Jon Niermann, *Chairman*Bobby Janecka, *Commissioner*Catarina R. Gonzales, *Commissioner*Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 26, 2024

Laurie Gharis Texas Commission on Environmental Quality Office of the Chief Clerk, MC-105 P.O. Box 13087 Austin, Texas 78711-3087

Re: Application by Schreiber Foods, Inc.

TLAP No. WQ003074000

TCEQ Docket No. 2024-0133-IWD

Dear Ms. Gharis:

I have enclosed the following copies of documents to be included in the Administrative Record for the above-referenced case as required by 30 Tex. Admin Code § 80.118. The documents included are as follows:

- Draft Permit No. WQ003074000
- The ED's Technical Memos (includes the ED's Preliminary decision and Compliance History Report)

Sincerely,

Allie Soileau Staff Attorney

Environmental Law Division



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

P.O. Box 13087 Austin, Texas 78711-3087 This major amendment replaces TCEQ Permit No. WQ0003074000 issued on, June 25, 2019.

PERMIT TO DISPOSE OF WASTES

under provisions of Chapter 26 of the Texas Water Code

I. NAME OF PERMITTEE

A. Name: Schreiber Foods, Inc.

B. Address: P.O. Box 19010

Green Bay, Wisconsin 54307

II. NATURE OF BUSINESS PRODUCING WASTE

A specialty dairy food products manufacturer (SIC 2022 and 2023)

III. GENERAL DESCRIPTION AND LOCATION OF WASTE DISPOSAL SYSTEM

Description:

Process wastewater, consisting of captured washwater along with milk minerals, organics, and cleaning compounds, is collected and routed through a monitoring station which includes a bar screen for solids removal. The process wastewater is then pumped to a dissolved air floatation tank for additional solids removal.

Domestic wastewater is treated by a chlorination system prior to being commingled with the process wastewater at the lift station. From the lift station, the effluent is pumped to a storage/treatment system consisting of a three-million-gallon aeration lagoon equipped with 200 horsepower (hp) of aeration equipment and two, three million-gallon aeration lagoons (Aerated Storage Basins No. 1 and 2) equipped with 60 hp of aeration equipment each. Effluent from the lagoons is routed to a center-pivot irrigation system consisting of a 61-acre tract for irrigating crops of Coastal Bermuda, soybean Hay, or Forage Sorghum (primary crops) and Ryegrass or Small Grains (supplemental cool-weather crops).

Location: The facility and land application site are located at 923 County Road 176, near the

City of Stephenville, Erath County, Texas 76401.

Drainage Basin: The facility and disposal site are located in the drainage area of Paluxy River/North

Paluxy River in Segment No. 1229 of the Brazos River Basin. No discharge of

pollutants into water in the state is authorized by this permit.

This permit shall expire at midnight ten years from	the date of permit issuance.
ISSUED DATE:	
	For the Commission

IV. CONDITIONS OF THE PERMIT

<u>Character:</u> Treated wastewater (process and domestic) from a specialty dairy foods

manufacturing facility.

<u>Volume:</u> Daily average flow not to exceed 192,000 gallons per day (gpd) of treated

wastewater from the facility to the effluent treatment/storage lagoons

Quality: Effluent routed from the effluent treatment/storage lagoons shall be monitored

for the following parameters:

D .	Daily Average,	Daily Maximum,	n	Sample
Parameter	mg/L	mg/L	Frequency	Type
Flow	192,000 gpd	Report, gpd	1/day	Flow Meter
Chloride	Record	N/A	1/6 months	Grab
Sodium	Record	N/A	1/6 months	Grab
Total Phosphorus	Record	N/A	1/6 months	Grab
Total Dissolved Solids	4000	N/A	1/6 months	Grab
Total Suspended Solids	650	N/A	1/6 months	Grab
Biochemical Oxygen Demand (5-day)	Record	N/A	1/week	Grab
Oil and Grease	N/A	15	1/week	Grab
Total Nitrogen	Record	N/A	1/week	Grab
pH, Standard Units (SU)	6.0 SU, min	9.0 SU	1/day	Grab

Wastewater quality samples shall be obtained during periods of irrigation from sample ports near the pump(s) which pump the treated wastewater into the irrigation system. Unless allowed by approved analytical method, the analysis of all pollutant parameters for compliance purposes shall be performed as a homogenous sample.

Results from the analyses must be retained on site for five years and available for inspection by authorized representatives of the Texas Commission on Environmental Quality (TCEQ). This data must be submitted to the TCEQ Enforcement Division (MC 224), Industrial Permits Team (MC 148), and Region 4 Office during the month of September of each calendar year.

<u>Application Rate:</u> The following application rates shell be calculated using readings from the

flow meter(s) for the irrigation systems:

Hydraulic Loading Rate: 3.53 acre-feet/acre/year

Nitrogen Loading Rate: 360 lbs/acre/year ²
Organic Loading Rate: 100 lbs/acre/day ³

¹ Flow shall be monitored after all wastewaters are commingled and prior to entering the effluent treatment/storage lagoons.

² Measured as total nitrogen. See Special Provision A.5.

³ Measured as biochemical oxygen demand, 5-day.

V. SPECIAL PROVISIONS:

- A. For the purpose of Part IV of this permit, the following definitions shall apply:
 - 1. Grab sample an individual sample collected in less than 15 minutes.
 - 2. Grab sample quality the quality determined by measuring the concentration in milligrams per liter, parts per million, or other appropriate units of measurement in a single grab sample of the defined waste.
 - 3. Daily average flow volume the arithmetic average of all determinations of the daily flow measurement within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily discharge, the determination shall be the arithmetic average of all instantaneous measurements taken during that month.
 - 4. Daily maximum flow the highest total flow for any 24-hour period in a calendar month.
 - 5. Total nitrogen shall mean the combination of analytical results for ammonia (as N), nitrate-nitrogen, and total organic nitrogen.
- B. The permittee shall provide a minimum irrigation field area of 61 acres, exclusive of buffer zones, roadways, ponds, and embankment areas, and other disposal area accessories. The permittee shall maintain a minimum buffer zone of 150 feet from any existing or proposed water supply wells located at or adjacent to this facility. Additional land may be added provided that the permittee submits a map which updates the location of the land tracts used for industrial waste irrigation and obtains approval from the Executive Director of the TCEQ prior to initiating irrigation of the added acreage.
- C. This permit does not authorize the discharge of any pollutant from the irrigation site. All wastewater generated at the facility shall be used for irrigation of fields on company owned or leased land as described in the application. The wastewater disposal system shall be designed and operated to prevent:
 - 1. Discharge from the irrigated property.
 - 2. Recharge of groundwater resources which supply or may potentially supply domestic raw water.
 - 3. The occurrence of nuisance conditions.
- D. This permit does not authorize the discharge or disposal of whey or any other cheese-manufacturing by-products. The disposal of untreated wastewater generated from the washing of tanker trucks, cheese tables, and any other clean-up operation is also prohibited.
- E. This permit does not authorize the discharge of domestic wastewater. All domestic wastewater must be disposed of in an approved manner, such as routing to an approved onsite septic tank and drainfield system or to an authorized third party for treatment and disposal.

In addition, this permit authorizes the disposal of treated domestic wastewater from the onsite domestic wastewater treatment system located at this facility, before commingling with the process wastewater for further treatment and final disposal on the facility's irrigation tract.

The sanitary solids separator effluent shall be chlorinated sufficiently to maintain a minimum of 1.0 mg/l chlorine residual after at least 20 minutes contact time prior to commingling with any other waste stream.

- F. The land utilized for wastewater irrigation shall be defined on appropriate maps and updated as necessary. The map(s) shall be available for inspection by authorized representatives of the TCEQ. The permittee shall maintain a permanent crop of Bermuda grass, soybean hay, or forage sorghum (primary crops) and Ryegrass or small grains (cool season) over the irrigated area. The irrigated fields shall be mowed at least twice each year, and all resulting hay shall be removed from the fields. Fertilizers shall be used if required to maintain healthy crops on the irrigated fields.
- G. By ownership or deed recorded easement, the permittee shall maintain a minimum buffer zone of 500 feet from lagoons with zones of anaerobic activity (e.g. facultative lagoons) and 50 feet from the perimeter of all irrigated land areas to the nearest property line. The easement must clearly establish the buffer zone boundaries and must set forth any specific activities which are restricted within the buffer zone.

H. POND REQUIREMENTS

A wastewater pond must comply with the following requirements. A wastewater pond (or lagoon) is an earthen structure used to evaporate, hold, store, or treat water that contains a *waste* or *pollutant* or that would cause *pollution* upon *discharge* as those terms are defined in Texas Water Code §26.001, but does not include a pond that contains only stormwater.

- 1. This subheading is intentionally left blank.
- 2. An **existing** wastewater pond must be maintained to meet or exceed the original approved design and liner requirements; or, in the absence of original approved requirements, must be maintained to prevent unauthorized discharges of wastewater into or adjacent to water in the state. The permittee shall maintain copies of all liner construction and testing documents at the facility or in a reasonably accessible location and make the information available to the executive director upon request.
- 3. A **new** wastewater pond constructed after the issuance date of this permit must be lined in compliance with one of the following requirements if it will contain <u>process wastewater</u> as defined in 40 CFR §122.2. The executive director will review ponds that will contain only <u>non-process wastewater</u> on a case-by-case basis to determine whether the pond must be lined. If a pond will contain only non-process wastewater, the owner shall notify the Industrial Permits Team (MC-148) to obtain a written determination at least 90 days before the pond is placed into service and copy the TCEQ Compliance Monitoring Team (MC-224). The permittee must submit all information about the proposed pond contents that is reasonably necessary for the executive director to make a determination. If the executive director determines that a pond does not need to be lined, then the pond is exempt from Items 3(a) through 3(c) and 4 through 7 of POND REQUIREMENTS.

A wastewater pond that <u>only contains domestic wastewater</u> must comply with the design requirements in 30 TAC Chapter 217 and 30 TAC §309.13(d) in lieu of Items 3(a) through 3(c) of this subparagraph.

a) <u>Soil liner</u>: The soil liner must contain clay-rich soil material (at least 30% of the liner material passing through a #200 mesh sieve, liquid limit greater than or equal to 30, and plasticity index greater than or equal to 15) that completely covers the sides and bottom of the pond. The liner must be at least 3.0 feet thick. The liner material must be compacted in lifts of no more than 8 inches to 95% standard proctor density at the optimum moisture content in accordance with ASTM D698 to achieve a permeability less than or equal to 1 × 10⁻⁷ (≤ 0.0000001) cm/sec. For in-situ soil material that meets the permeability requirement, the material must be scarified at least 8 inches deep and then re-compacted to finished grade.

- b) <u>Synthetic membrane</u>: The liner must be a synthetic membrane liner at least 40 mils in thickness that completely covers the sides and the bottom of the pond. The liner material used must be compatible with the wastewater and be resistant to degradation (e.g., from ultraviolet light, chemical reactions, wave action, erosion, etc.). The liner material must be installed and maintained in accordance with the manufacturer's guidelines. A wastewater pond with a synthetic membrane liner must include an underdrain with a leak detection and collection system.
- c) <u>Alternate liner</u>: The permittee shall submit plans signed and sealed by a Texaslicensed professional engineer for any other equivalently protective pond lining method to the Industrial Permits Team (MC-148) and copy the Compliance Monitoring Team (MC-224).
- 4. For a pond that must be lined according to Item 3 (including ponds with in-situ soil liners), the permittee shall provide certification, signed and sealed by a Texas-licensed professional engineer, stating that the completed pond lining and any required underdrain with leak detection and collection system for the pond meet the requirements in Items 3(a) 3(c) before using the pond. The certification shall include the following minimum details about the pond lining system:
 - a) pond liner type (in-situ soil, amended in-situ soil, imported soil, synthetic membrane, or alternative),
 - b) materials used,
 - c) thickness of materials, and
 - d) either permeability test results or a leak detection and collection system description, as applicable.

The certification must be provided to the TCEQ Water Quality Assessment Team (MC-150), Industrial Permits Team (MC-148), Compliance Monitoring Team (MC-224) and regional office. A copy of the liner certification and construction details (i.e., as-built drawings, construction QA/QC documentation, and post construction testing) must be kept on-site or in a reasonably accessible location (in either hardcopy or digital format) until the pond is closed.

- 5. Protection and maintenance requirements for a pond subject to subparagraph B or C (including ponds with in-situ soil liners).
 - a) The permittee shall maintain a liner to prevent the unauthorized discharge of wastewater into or adjacent to water in the state.
 - b) A liner must be protected from damage caused by animals. Fences or other protective devices or measures may be used to satisfy this requirement.
 - c) The permittee shall maintain the structural integrity of the liner and shall keep the liner and embankment free of woody vegetation, animal burrows, and excessive erosion.
 - d) The permittee shall inspect each pond liner and each leak detection system at least once per month. Evidence of damage or unauthorized discharge must be evaluated by a Texas-licensed professional engineer or Texas-licensed professional geoscientist within 30 days. The permittee is not required to drain an operating pond or to inspect below the waterline during these routine inspections.
 - i. A Texas-licensed professional engineer or Texas-licensed professional geoscientist must evaluate damage to a pond liner, including evidence of an unauthorized discharge without visible damage.

- ii. Pond liner damage must be repaired at the recommendation of a Texas-licensed professional engineer or Texas-licensed professional geoscientist. If the damage is significant or could result in an unauthorized discharge, then the repair must be documented and certified by a Texas-licensed professional engineer. Within 60 days after a repair is completed, the liner certification must be provided to the TCEQ Water Quality Assessment Team (MC-150), Compliance Monitoring Section (MC-224), and Regional office. A copy of the liner certification must be maintained at the facility or in a reasonably accessible location and made available to the executive director upon request.
- iii. A release determination and subsequent corrective action will be based on 40 CFR Part 257 or the Texas Risk Reduction Program (30 TAC Chapter 350), as applicable. If evidence indicates that an unauthorized discharge occurred, including evidence that the actual permeability exceeds the design permeability, the matter may also be referred to the TCEQ Enforcement Division to ensure the protection of the public and the environment.
- 6. For a pond subject to Items 2 or 3 (including ponds with in-situ soil liners), the permittee shall have a Texas-licensed professional engineer perform an evaluation of each pond that requires a liner at least once every five years. The evaluation must include:
 - a) a physical inspection of the pond liner to check for structural integrity, damage, and evidence of leaking;
 - b) a review of the liner documentation for the pond; and
 - c) a review of all documentation related to liner repair and maintenance performed since the last evaluation.

For the purposes of this evaluation, evidence of leaking also includes evidence that the actual permeability exceeds the design permeability. The permittee is not required to drain an operating pond or to inspect below the waterline during the evaluation. A copy of the engineer's evaluation report must be maintained at the facility or in a reasonably accessible location and made available to the executive director upon request.

- 7. For a pond subject to Items 2 or 3 (including ponds with in-situ soil liners), the permittee shall maintain at least 2.0 feet of freeboard in the pond except when:
 - a) the freeboard requirement temporarily cannot be maintained due to a large storm event that requires the additional retention capacity to be used for a limited period of time:
 - b) the freeboard requirement temporarily cannot be maintained due to upset plant conditions that require the additional retention capacity to be used for treatment for a limited period of time; or
 - c) the pond was not required to have at least 2.0 feet of freeboard according to the requirements at the time of construction.
- I. The permittee shall maintain an operating log which records the volume of wastewater used for irrigation each day, the hours the wastewater is applied each day, the actual surface area wetted each day, and the soil sampling results from the previous year. This data shall be tabulated on a monthly basis. Results from the analysis of biochemical oxygen demand (5-day) and total nitrogen required in Part IV shall be tabulated as a loading rate measured in pounds per acre on a monthly basis. The tabulated data shall be submitted to the TCEQ's Industrial Permits team (MC-148) and Region 4 Office during the month of September of each calendar year. Results from the analyses required in Part IV and the operating log shall be retained on site for five years and available for inspection by authorized representatives of the TCEQ.

- J. There shall be no overlapping land irrigated by each pivot of the center pivot irrigation system.
- K. The permittee shall determine on an annual basis the infiltration rates for representative soil zones of the irrigation tracts. These test results including the number of infiltration tests and their locations shall be submitted to the TCEQ's Industrial Permits Team (MC-148), Water Quality Assessment Team (MC-150), and Region 4 Office during the month of September of each calendar year.
- L. The permittee shall obtain representative soil samples from the root zones of the land-application area receiving wastewater. Composite sampling techniques shall be used. Each composite sample shall represent no more than 50 acres with no less than 15 subsamples representing each composite sample. Subsamples shall be composited by like sampling depth, type of crop, and soil type for analysis and reporting. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from 0 to 6 inches, 6 to 18 inches, and 18 to 30 inches below ground level. The permittee shall sample soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample collection.

The permittee shall provide annual soil sample analyses of the land application area according to the following table:

Parameter	Method	MAL 4	Reporting units
pН	2:1 (v/v) water to soil mixture		Reported to 0.1 pH units after calibration of pH meter
Electrical Conductivity	Obtained from the SAR water-saturated paste extract	0.01	dS/m (same as mmho/cm)
Nitrate- nitrogen, ammonium- nitrogen	From a 1 <u>N</u> KCl soil extract	1	mg/kg (dry weight basis)
Total Kjeldahl Nitrogen (TKN)	For determination of Organic plus Ammonium Nitrogen. Procedures that use Mercury (Hg) are not acceptable.	20	mg/kg (dry weight basis)
Total Nitrogen	= TKN plus Nitrate-nitrogen		mg/kg (dry weight basis)
Plant-available: Phosphorus	Mehlich III with inductively coupled plasma	1 (P)	mg/kg (dry weight basis)
Plant-available: Potassium (K) Calcium (Ca) Magnesium (Mg) Sodium (Na) Sulfur (S)	May be determined in the same Mehlich III extract with inductively coupled plasma	5 (K) 10 (Ca) 5 (Mg) 10 (Na) 1 (S)	mg/kg (dry weight basis)

⁴ Minimum analytical level.

Parameter	Method	MAL 4	Reporting units
Water-soluble:	Obtained from the		Water soluble
Sodium (Na)	SAR water saturated	1 (Na)	constituents are
Calcium (Ca)	paste extract	1 (Ca)	reported in mg/L
Magnesium (Mg)		1 (Mg)	
Sodium Adsorption Ratio (SAR)	$SAR = \frac{Na}{\sqrt{\frac{(Ca + Mg)}{2}}}$		Express concentrations of Na, Ca and Mg in the water-saturated paste extract in milliequivalents/liter (meq/L) to calculate the SAR. The SAR value is unit less. If the SAR is greater than 10, amendments (e.g., gypsum) shall be added to the soil to adjust the SAR to less
_			than 10.
Amendment			Report in short
addition, e.g.,			tons/acre in the year
gypsum			effected

A copy of this soil testing plan shall be provided to the analytical laboratory prior to sample analysis. The permittee shall submit the results of the annual soil sample analyses with copies of the laboratory reports and a map depicting the areas that have received wastewater within the permanent land application fields to the TCEQ's Region 4 Office, Water Quality Assessment Team (MC 150), and Enforcement Division (MC 224) no later than the end of September of each sampling year. If wastewater is not applied in a particular year, the permittee shall notify the same TCEQ offices and indicate that wastewater has not been applied on the approved land irrigation site(s) during that year.

- M. Irrigation practices shall be designed and managed to prevent contamination of ground or surface waters and to prevent the occurrence of nuisance conditions. Tail water control facilities shall be provided, where necessary, to prevent the discharge of any wastewater which might drain from irrigated lands to water in the state. Procedures and protocols to prevent unauthorized discharges should be set up by the permittee and should include the following.
 - Development of an inspection schedule for berms and other wastewater control structures. The schedule shall include the frequency of inspection and the methods or procedures of inspection;
 - 2. Maintenance of records of all information resulting from the monitoring of the berms or wastewater control structures and activities, including all records of inspection dates. These records shall be retained at the plant site and shall be available for inspection by personnel from the TCEQ Region 4 Office;
 - 3. Development of a cut-off device for the irrigation sprinkler system such that irrigation water is not sprayed unto unauthorized land areas;
 - 4. Rerouting of any runoff water collected in sumps, collection ponds or similar tailwater control facilities for reapplication on the irrigation site, as soon as possible following

- accumulation of the runoff water, or by rerouting the runoff water back to the wastewater treatment unit; and
- 5. Refraining from irrigating when the tailwater control facilities, including the berms, are not in working order. Irrigation may be resumed only after repairs have been completed.
- N. Storm water drainage shall be prevented from entering all ponds and from running onto the irrigation tract.
- O. No wastewater may be applied within twenty-four hours after a measured rainfall of 0.5 inches or greater, or to any zone containing standing water. A properly functioning rain gauge shall be maintained on site. Records of daily rainfall shall be maintained at the plant site for inspection by personnel from the TCEQ Region 4 Office.
- P. Adequate signs shall be erected stating that the irrigation water is from a non-potable water supply. Said signs shall consist of a red slash superimposed over the international symbol for drinking water accompanied by the message "Do not drink the water", in both English and Spanish.
- Q. The permittee shall provide adequate maintenance of the treatment and irrigation facilities to ensure that the facilities are in working condition. No treatment or irrigation facilities shall be removed from service without prior notification of the Executive Director of the TCEQ.
- R. On an annual basis, groundwater shall be sampled and analyzed from Site One (1): monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, and Site Two (2): monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5 to evaluate groundwater quality beneath the facility. The groundwater samples should be analyzed by an accredited laboratory for ammonia (measured as nitrogen), nitrate (measured as nitrogen), nitrite (measured as nitrogen), total kjeldahl nitrogen (TKN), and chloride. Prior to sampling, monitoring wells shall be evacuated of three well bore volumes to ensure a representative sample of groundwater. Static water levels shall be measured and recorded at the same time the monitoring wells are sampled.

The permittee shall submit the results, a potentiometric surface map, and a summary report to the TCEQ's Water Quality Assessment Team (MC-150), TCEQ Region 4 Office, and Compliance Monitoring Team (MC-224) no later than September 30th of each sampling year.

The groundwater monitoring requirements of this permit shall remain in effect until such time as written authorization from the executive director of the TCEQ to discontinue the required monitoring is obtained. Written authorization may be provided based on conclusions and recommendations provided by the TCEQ Water Quality Assessment Team's technical review of the submitted analytical results.

- S. The permittee shall implement measures or provide additional storage to store/dispose of a minimum of 89.35 acre-feet of wastewater. This shall be demonstrated by the following:
 - Construction of an additional irrigation holding pond(s) in compliance with Item H of Special Provisions; or
 - 2. Provision of adequate alternate source of storage/disposal of sufficient capacity; or
 - 3. The development of a contingency plan which identifies that the permittee is capable of managing an additional 18.80 acre-feet of effluent. The plan shall be put into effect when the irrigation holding pond exceeds storage capacity prior to an unauthorized discharge and may include, but is not limited to, the following:
 - a) Contracting a third party to haul the additional effluent offsite.
 - b) Connecting to a Publicly Owned Treatment Works (POTW).

- c) Modifying the facility processes or wastewater/stormwater management; or
- d) Implementing evaporation enhancing measures.
- 4. Any combination of S.1., S.2., and S.3.

The permittee shall submit a proposal, which demonstrates the capability to sufficiently satisfy the above requirements to the TCEQ's Industrial Permits Team (MC 148) and Compliance Monitoring Team (MC-224) within 180 days of permit issuance. Based upon this proposal this permit may be reopened to require additional effluent storage capacity or other conditions.

- T. The wastewater ponds and effluent application areas must be located a minimum of 150 feet away from any private well and a minimum of 500 feet away from any public water supply well and springs, per 30 TAC § 309.13(c).
- U. Wastewater shall not be land-applied on the permittee-owned properties located to the east of the railroad tracks and adjacent to the land application areas authorized by this permit.
- V. This permit does not authorize the discharge of any pollutant from the irrigation site. The wastewater disposal system shall be designed and operated to prevent:
 - 1. Discharge from the irrigated property;
 - 2. Recharge of groundwater resources which supply or may potentially supply domestic raw water; and
 - 3. The occurrence of nuisance conditions.

VI. STANDARD PERMIT CONDITIONS

This permit is granted in accordance with the Texas Water Code and the rules and other Orders of the Commission and the laws of the State of Texas.

DEFINITIONS

All definitions in Section (§) 26.001 of the Texas Water Code and Title 30 of the Texas Administrative Code (30 TAC) Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

1. Flow Measurements

- a. Daily average flow the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.
- b. Annual average flow the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder and limited to major domestic wastewater discharge facilities with a 1 million gallons per day or greater permitted flow.
- c. Instantaneous flow the measured flow during the minimum time required to interpret the flow measuring device.

2. Concentration Measurements

- a. Daily average concentration the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.
 - i. For domestic wastewater treatment plants When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.
 - ii. For all other wastewater treatment plants When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.
- b. 7-day average concentration the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.
- c. Daily maximum concentration the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.

3. Sample Type

a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9(a). For industrial wastewater, a composite sample is a sample made up of a

minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9(c).

- b. Grab sample an individual sample collected in less than 15 minutes.
- 4. Treatment Facility (facility) wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.
- 5. The term "sewage sludge" is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids which have not been classified as hazardous waste separated from wastewater by unit processes.
- 6. Bypass the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING REQUIREMENTS

1. Monitoring Requirements

Monitoring results shall be collected at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling in accordance with 30 TAC §§319.4 - 319.12.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Texas Water Code, Chapters 26, 27, and 28, and Texas Health and Safety Code, Chapter 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record or other document submitted or required to be maintained under this permit, including monitoring reports, records or reports of compliance or noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

2. Test Procedures

- a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§319.11 319.12. Measurements, tests and calculations shall be accurately accomplished in a representative manner.
- b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

- a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.
- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, and records of all data used to complete the application for this permit-shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample

measurement, report, or application. This period shall be extended at the request of the Executive Director.

- c. Records of monitoring activities shall include the following:
 - i. date, time and place of sample or measurement;
 - ii. identity of individual who collected the sample or made the measurement.
 - iii. date and time of analysis;
 - iv. identity of the individual and laboratory who performed the analysis;
 - v. the technique or method of analysis; and
 - vi. the results of the analysis or measurement and quality assurance/quality control records.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in determining compliance with permit requirements.

5. Calibration of Instruments

All automatic flow measuring or recording devices and all totalizing meters for measuring flows shall be accurately calibrated by a trained person at plant start-up and as often thereafter as necessary to ensure accuracy, but not less often than annually unless authorized by the Executive Director for a longer period. Such person shall verify in writing that the device is operating properly and giving accurate results. Copies of the verification shall be retained at the facility site and shall be readily available for review by a TCEQ representative for a period of three years.

6. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date to the Regional Office and the Enforcement Division (MC 224).

7. Noncompliance Notification

a. In accordance with 30 TAC §305.125(9), any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

- b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:
 - i. unauthorized discharges as defined in Permit Condition 2(g).
 - ii. any unanticipated bypass which exceeds any effluent limitation in the permit.
- c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.
- d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible.
- 8. In accordance with the procedures described in 30 TAC §§35.301 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.
- 9. Changes in Discharges of Toxic Substances
 - All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the Regional Office, orally or by facsimile transmission within 24 hours, and both the Regional Office and the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:
 - a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - i. one hundred micrograms per liter (100 μ g/L);
 - ii. two hundred micrograms per liter (200 μg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 μg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - iii. five (5) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. the level established by the TCEQ.
 - b. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - i. five hundred micrograms per liter (500 μ g/L);
 - ii. one milligram per liter (1 mg/L) for antimony;
 - iii. ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. the level established by the TCEQ.
- 10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC §305.128 (relating to Signatories to Reports).

PERMIT CONDITIONS

1. General

- a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.
- b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:
 - i. violation of any terms or conditions of this permit;
 - ii. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - iii. a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

- a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.
- b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment, revocation or suspension, or for denial of a permit renewal application or an application for a permit for another facility.
- c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation which has a reasonable likelihood of adversely affecting human health or the environment.
- e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.
- f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§305.62 and 305.66 and Texas Water Code Section 7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

- g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Special Provisions section of this permit.
- h. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§7.051 7.075 (relating to Administrative Penalties), 7.101 7.111 (relating to Civil Penalties), and 7.141 7.202 (relating to Criminal Offenses and Penalties).

3. Inspections and Entry

- a. Inspection and entry shall be allowed as prescribed in the Texas Water Code Chapters 26, 27, and 28, and Texas Health and Safety Code Chapter 361.
- b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in Texas Water Code Section 7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility. but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

4. Permit Amendment with or without Renewal

- a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:
 - i. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring Requirements No. 9;
 - ii. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

- b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.
- c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.
- d. Prior to accepting or generating wastes which are not described in the permit application or which would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.
- e. In accordance with the Texas Water Code §26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.

5. Permit Transfer

- a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.
- b. A permit may be transferred only according to the provisions of 30 TAC §305.64 (relating to Transfer of Permits) and 30 TAC §50.133 (relating to Executive Director Action on Application or WQMP update).
- 6. Relationship to Hazardous Waste Activities

This permit does not authorize any activity of hazardous waste storage, processing, or disposal which requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Property Rights

A permit does not convey any property rights of any sort, or any exclusive privilege.

8. Permit Enforceability

The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

9. Relationship to Permit Application

The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

- 10. Notice of Bankruptcy.
 - a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:
 - i. the permittee;
 - ii. an entity (as that term is defined in 11 USC, §101(15)) controlling the permittee or listing the permit or permittee as property of the estate; or
 - iii. an affiliate (as that term is defined in 11 USC, §101(2)) of the permittee.
 - b. This notification must indicate:
 - i. the name of the permittee;
 - ii. the permit number(s);
 - iii. the bankruptcy court in which the petition for bankruptcy was filed; and
 - iv. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

- 1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.
- 2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§319.21 319.29 concerning the discharge of certain hazardous metals.
- 3. Domestic wastewater treatment facilities shall comply with the following provisions:
 - a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.
 - b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment or other treatment unit regulated by this permit.
- 4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, or retention of inadequately treated wastewater.
- 5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.

6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under Texas Water Code §7.302(b)(6).

7. Documentation

For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information specified as not confidential in 30 TAC §1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted in the manner prescribed in the application form or by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCEQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.

- 8. Facilities which generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.
 - a. Whenever flow measurements for any domestic sewage treatment facility reach 75 percent of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion or upgrading of the domestic wastewater treatment or collection facilities. Whenever the flow reaches 90 percent of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75 percent of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

If in the judgment of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 149) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

- b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission, and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.
- c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to

be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.

- 9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.
- 10. Facilities which generate industrial solid waste as defined in 30 TAC §335.1 shall comply with these provisions:
 - a. Any solid waste, as defined in 30 TAC §335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.
 - b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.
 - c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC §335.8(b)(1), to the Environmental Cleanup Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.
 - d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC §335.5.
 - e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.
 - f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:
 - i. volume of waste and date(s) generated from treatment process;
 - iii. volume of waste disposed of on-site or shipped off-site;
 - iv. date(s) of disposal;
 - v. identity of hauler or transporter;
 - vi. location of disposal site; and
 - vii. method of final disposal.

The above records shall be maintained on a monthly basis. The records shall be retained at the facility site, or shall be readily available for review by authorized representatives of the TCEQ for at least five years.

11. For industrial facilities to which the requirements of 30 TAC Chapter 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with Chapter 361 of the Texas Health and Safety Code.

TCEQ Revision 06/2008

DESCRIPTION OF APPLICATION

Applicant: Schreiber Foods, Inc.; Permit No. WQ0003074000

Regulated Activity: Industrial Wastewater Permit

Type of Application: Major amendment with renewal

Request: Major amendment with renewal to authorize the increase of application

acres from 50 acres to 61 acres, increase the permitted daily average flow from 132,000 gallons per day (gpd) to 192,000 gpd, and update the organic loading rate measured as biochemical oxygen demand (5-day) and the nitrogen loading rate measured as total nitrogen. Soybean hay, forage sorghum, and small grain crops have been included as alternative

crops to the grasses (i.e., coastal Bermuda and ryegrass).

Authority: Texas Water Code § 26.027; 30 Texas Administrative Code (30 TAC)

Chapter 305, Subchapters C-F, Chapters 307, 309, and 319; Commission

policies; and Environmental Protection Agency (EPA) guidelines.

EXECUTIVE DIRECTOR RECOMMENDATION

The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The draft permit will expire at midnight, ten years from date of permit issuance, according to the requirements of 30 TAC §305.127(1)(C)(ii)(III).

REASON FOR PROJECT PROPOSED

The applicant has applied to the Texas Commission on Environmental Quality (TCEQ) for an amendment of its existing permit. The proposed amendment would authorize the increase of application acres from 50 acres to 61 acres, increase the permitted daily average flow from 132,000 gpd to 192,000 gpd, and update the organic loading rate measured as biochemical oxygen demand (5-day)and the nitrogen loading rate measured as total nitrogen. Soybean hay, forage sorghum, and small grain crops have been included as alternative crops to the grasses (i.e., coastal Bermuda and ryegrass).

All amendment requests are proposed to be granted. Special Provisions B and F have been updated based on the agronomy recommendation received from the Water Quality Assessment Team with interoffice memorandum dated June 20, 2023.

PROJECT DESCRIPTION AND LOCATION

The applicant currently operates Schreiber Foods, a specialty dairy food products manufacturer.

Raw milk is brought to the plant in tankers. In the process of converting milk into finished products (such as cream cheese) much of the water is extracted. This water (a.k.a. cow water) is captured and used, together with clean water, for truck and equipment washwater. Process wastewater, consisting of captured washwater along with milk minerals, organics, and cleaning compounds, is collected and routed through a monitoring station which includes bar screen for solids removal and is then pumped to a dissolved air floatation tank for additional solids removal. Domestic wastewater is treated by a chlorination system prior to being commingled with the process wastewater at the lift station. From the lift station, the commingled effluent is pumped to a storage/treatment system consisting of a 3 million-gallon (MG) aeration lagoon

equipped with 200 horsepower (hp) of aeration equipment and two 3 MG aeration lagoons (Aerated Storage Basins No. 1 and 2) equipped with 60 hp of aeration equipment each. Effluent from the lagoons is routed to a center-pivot irrigation system consisting of a 61-acre tract for irrigating crops consisting of Coastal Bermuda Grass, Soybean hay, forage sorghum (primary crops) and Ryegrass and small grain crops (supplemental cool-weather crops

The plant and land application site are located at 923 County Road 176, near the City of Stephenville, Erath County, Texas.

The facility and disposal site are located in the drainage area of Paluxy River/North Paluxy River in Segment No. 1229 of the Brazos River Basin. The designated uses for Segment No. 1229 are primary contact recreation, public water supply, and high aquatic life use. All determinations are preliminary and subject to additional review and revisions.

SUMMARY OF EFFLUENT DATA

The following is a quantitative description of the discharge described in the monthly effluent report data for the period August 2020 through August 2022. The "Avg of Daily Avg" values presented in the following table are the average of all daily average values for the reporting period for each parameter. The "Max of Daily Max" values presented in the following table are the individual maximum values for the reporting period for each parameter. Flows are expressed in gallons per day (gpd). All pH values are expressed in standard units (SU).

Effluent Characteristics:

	A	M
Parameter	Average of Daily Avg,	Maximum of Daily Max,
1 drameter	mg/L	mg/L
Flow	92,892 gpd	N/A
Chloride	800	N/A
Sodium	893	N/A
Sodium Adsorption Ratio (SAR)	21.95 meq/L	N/A
Total Phosphorus	6.3	N/A
Total Dissolved Solids (TDS)	2,858	N/A
Total Suspended Solids (TSS)	91.68	N/A
Biochemical Oxygen	00.0	NT / A
Demand, 5-day (BOD ₅)	33.3	N/A
Oil and Grease	N/A	1.04
Total Nitrogen	21.75	38.1
pH	8.08 SU (min.)	8.64 SU (max.)

No violations occurred during the report period reviewed.

DRAFT PERMIT CONDITIONS

The draft permit authorizes the disposal of treated wastewater (process and domestic) from a specialty dairy foods manufacturing facility at a daily average flow not to exceed 0.132 MGD via irrigation of 61 acres of Coastal Bermuda, Soybean hay, forage sorghum (primary crops) and Ryegrass and Small Grains (supplemental cool-weather crops).

Final effluent limitations are established in the draft permit as follows:

Pollutant	Daily Average, mg/L	Daily Maximum, mg/L
Flow	192,000 GPD	Report, GPD
Chloride	Record	N/A
Sodium	Record	N/A
Total Phosphorus	Record	N/A
TDS	4000	N/A
TSS	650	N/A
BOD_5	Record	N/A
Oil and Grease	N/A	15
Total Nitrogen	Record	N/A
pH	6.0 SU (min.)	9.0 SU (max.)

The permittee requested to increase the permitted daily average flow from 132,000 gallons per day to 192,000 gallons per day, which has been granted.

The existing daily average limits for total dissolved solids and total suspended solids, daily maximum limit for oil and grease, and minimum and maximum limits for pH are still protective and have been carried forward in the draft permit. The existing daily average monitoring and reporting requirements for chloride, sodium, total phosphorus, biochemical oxygen demand (5-day), and total nitrogen are still adequate and have been carried forward in the draft permit.

The hydraulic loading rate has been recalculated based on the major amendment request to increase the daily average flow. The recalculated limit has been included in the draft permit.

The existing organic loading rate was originally included to prevent the occurrence of anaerobic and/or nuisance conditions on the basis of BPJ. The existing rate is generally accepted for land application sites and is still adequate. The existing nitrogen loading rate was originally included based on crop requirements. The existing organic and nitrogen loading rates are still adequate and have been carried forward in the draft permit.

SUMMARY OF CHANGES FROM APPLICATION

No changes were made from the permit application.

SUMMARY OF CHANGES FROM EXISTING PERMIT

The permittee requested the following changes in their amendment request that the Executive Director has recommended granting:

- 1. Authorize the increase of land application area from 50 acres to 61 acres.
- 2. Authorize the increase of the permitted daily average flow from 132,000 gallons per day to 192,000 gallons per day.
- 3. Update the organic loading rate measured as biochemical oxygen demand (5-day) and the nitrogen loading rate measured as total nitrogen.
- 4. Include Soybean hay and forage sorghum (primary crops) and small grains (supplemental cool-weather crops) as additional crops.

The following additional changes have been made to the draft permit.

- 1. The facility description on the cover page of the draft permit was updated to reflect the request to increase the application acres from 50 to 60 acres.
- 2. The mailing address has been updated from 400 North Washington Street, Green Bay, Wisconsin 54301 to P.O. Box 19010, Green Bay, Wisconsin 54307, based on information submitted in the major amendment application dated February 6, 2023.
- 3. The facility and land application site address has been updated based on information submitted in the major amendment application received on February 6, 2023.
- 4. The hydraulic loading rate has been increased from 2.84 acre-feet/acre/year to 3.53 acre-feet/acre/year based on the recommendation received from the Water Quality Assessment Team with an interoffice memorandum dated June 20, 2023.
- 5. Special Provision B and F have been updated based on the recommendation provided in the agronomy recommendation received from the Water Quality Assessment Team with interoffice memorandum dated June 20, 2023.
- 6. Special Provision E has been revised to clarify the treated domestic wastewater authorization better.
- 7. Special Provision H.1. has been revised for clarification purposes.
- 8. Special Provision S has been updated based on the results of the water balance calculation.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

- 1. Application received on February 6, 2023 and additional information received on March 24, 2023 and March 30, 2023.
- 2. Existing permits: TCEO Permit No. WO0003074000 issued June 15, 2019.
- 3. TCEQ Rules.
- 4. Guidance Document for Establishing Monitoring Frequencies for Domestic and Industrial Wastewater Discharge Permits, TCEQ Document No. 98-001.000-OWR-WQ, May 1998.
- 5. TCEQ Groundwater Impact Evaluation dated March 27, 2023.
- 6. TCEQ Agronomy Evaluation dated June 20, 2023.
- 7. 30 TAC Chapter 309.
- 8. Consistency with the Coastal Management Plan: N/A
- 9. Bulletin 6019 Consumptive Use of Water By Major Crops in Texas, Texas Water Development Board, November 1960.

- 10. *Urban Hydrology for Small Watersheds Technical Release No. 55*, U.S. Department of Agriculture, January 1975.
- 11. SCS National Engineering Handbook, Section 4, Hydrology, Chapter 9, U.S. Department of Agriculture, August 1972.
- 12. Process Design Manual, Land Treatment of Municipal Wastewater, U.S. Environmental Protection Agency, EPA 625/1-81-013, October 1981.
- 13. Handbook of Land Treatment Systems for Industrial and Municipal Wastes, Reed and Crites, Noyes Publications, copyright 1984.

PROCEDURES FOR FINAL DECISION

When an application is declared administratively complete, the Chief Clerk sends a letter to the applicant advising the applicant to publish the Notice of Receipt of Application and Intent to Obtain Permit in the newspaper. In addition, the Chief Clerk instructs the applicant to place a copy of the application in a public place for reviewing and copying in the county where the facility is or will be located. This application will be in a public place throughout the comment period. The Chief Clerk also mails this notice to any interested persons and, if required, to landowners identified in the permit application. This notice informs the public about the application and provides that an interested person may file comments on the application or request a contested case hearing or a public meeting.

Once a draft permit is completed, it is sent, along with the Executive Director's preliminary decision, as contained in the technical summary or fact sheet, to the Chief Clerk. At that time, the Notice of Application and Preliminary Decision will be mailed to the same people and published in the same newspaper as the prior notice. This notice sets a deadline for making public comments. The applicant must place a copy of the Executive Director's preliminary decision and draft permit in the public place with the application. This notice sets a deadline for public comment.

Any interested person may request a public meeting on the application until the deadline for filing public comments. A public meeting is intended for the taking of public comment and is not a contested case proceeding.

After the public comment deadline, the Executive Director prepares a response to all significant public comments on the application or the draft permit raised during the public comment period. The Chief Clerk then mails the Executive Director's response to comments and final decision to people who have filed comments, requested a contested case hearing, or requested to be on the mailing list. This notice provides that if a person is not satisfied with the Executive Director's response and decision, they can request a contested case hearing or file a request to reconsider the Executive Director's decision within 30 days after the notice is mailed.

The Executive Director will issue the permit unless a written hearing request or request for reconsideration is filed within 30 days after the Executive Director's response to comments and final decision is mailed. If a hearing request or request for reconsideration is filed, the Executive Director will not issue the permit and will forward the application and request to the TCEQ Commissioners for their consideration at a scheduled Commission meeting. If a contested case hearing is held, it will be a legal proceeding similar to a civil trial in state district court.

If the Executive Director calls a public meeting or the Commission grants a contested case hearing as described above, the Commission will give notice of the date, time, and place of the meeting or hearing. If a hearing request or request for reconsideration is made, the Commission will consider all public comments in making its decision and shall either adopt the Executive Director's response to public comments or prepare its own response.

For additional information about this application, contact Alyssa Loveday at (512) 239-4524.

Alyssa Loveday

Alyssa Loveday

May 31, 2023

Date

Appendix A Water Balance Calculations

D	Cabacita	r Foods.	la a					TVDD D.			
Permittee:			inc.						ta Quadrang	jie:	
Permit No.:	#M0003	074000						51)9		
The water barea where calculated	irrigation i	s to occur.	The appli	icant's pro	posed app	lication ra	te must no	t must not			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9a)	(9Ь)	(10)	(11)
Month	Avg	Avg	Avg	Evapo-	Required	Total	Effluent	Raw	Reservoir	Effluent	Reservoir
	Rain	Runoff	Infilt	trans.	Leach	Water	Needed	Net	Net Evap.	Needed	Consumtion
			Rainfall			Needs	in	Evap.	(as inches	Based on	(as inches
							Root	from	on plot	Irrigation	on plot
							Zone	Reservoir	acres)	Efficiency	acres)
Units →	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches
January	1.59	0.12	1.46	1.50	0.11	1.61	0.15	0.93	0.08	0.18	0.25
February	1.87	0.22	1.65	2.70	3.33	6.03	4.37	0.81	0.07	5.15	5.21
March	2.75	0.62	2.13	6.80	14.86	21.66	19.53	1.40	0.11	22.97	23.09
April	2.66	0.57	2.09	8.50	20.40	28.90	26.82	2.54	0.21	31.55	31.76
May	4.10	1.46	2.64	6.50	12.29	18.79	16.16	1.24	0.10	19.01	19.11
June	3.53	1.08	2.45	5.90	10.99	16.89	14.44	3.44	0.28	16.99	17.27
July	1.96	0.25	1.71	8.70	22.25	30.95	29.24	6.01	0.49	34.40	34.89
August	2.22	0.36	1.86	5.70	12.21	17.91	16.05	5.55	0.46	18.88	19.34
September	2.89	0.70	2.19	1.40	0.00	1.40	0.00	3.00	0.25	0.00	0.25
October	3.13	0.83	2.29	1.40	0.00	1.40	0.00	1.79	0.15	0.00	0.15
November	1.92	0.23	1.69	1.50	0.00	1.50	0.00	1.44	0.12	0.00	0.12
December	1.38	0.07	1.31	1.10	0.00	1.10	0.00	1.09	0.09	0.00	0.09
Totals	29.99	6.52	23.47	51.70	96.45	148.15	126.76	29.24	2.40	149.13	151.52
Crop is	soybean &	small grain									
ΩV	71.00	dimension	Vess	Maximum	calculated a	application	rate =	12.43	ac-intactn	conth OR	ac-Atlactyear
Ce	5.25	mmhosto	77	Applicant's	s proposed	application	rate =	3.53	ac-intactn	conth OR	ac-Atlacityear
α	6.90	mmhosto	77	Maximum	rate from a	gronomic a	nalysis =	3.53	ac-intactn	conth OR	ac-Atlackyear
Pond area	5.00	acres									
Irrigation area	61.00	acres									
Irrigation Efficiency, &	0.85	dimension	viess	Reco	mmended	rate for	permit =	3.53	ac-intactn	oconth OR	ac-H/ac/year
Design Flow	0,192	AAGZ7				1 : :-:		CORP. L. ALC.	ell to choo		

Appendix A Water Balance Calculations

Permittee:	Schreibe	r Foods,	Inc.					TWDB Dat	a Quadrang	le:	
Permit No.:	¥00003							509			
The water b where irriga application	tion is to d	occur. The	applicant's	s propose	d applicatio	n rate mu:	st not mus				ne land area ulated
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9a)	(ЭЬ)	(10)	(11)
Month	Avg	Avg	Avg	Evapo-	Required	Total	Effluent	Raw	Reservoir	Effluent	Reservoir
	Rain	Runoff	Infilt	trans.	Leach	Water	Needed	Net	Net Evap.	Needed	Consumtion
			Rainfall			Needs	in	Evap.	(as inches	Based on	(as inches
							Root	from	on plot	Irrigation	on plot
							Zone	Reservoir	acres)	Efficiency	acres)
Units →	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches
January	1.59	0.12	1.46	1.50	0.11	1.61	0.15	0.93	0.08	0.18	0.25
February	1.87	0.22	1.65	2.70	3.33	6.03	4.37	0.81	0.07	5.15	5.21
March	2.75	0.62	2.13	6.80	14.86	21.66	19.53	1.40	0.11	22.97	23.09
April	2.66	0.57	2.03	8.50	20.40	28.90	26.82	2.54	0.21	31.55	31.76
May	4.10	1.46	2.64	6.50	12.29	18.79	16.16	1.24	0.10	19.01	19.11
June	3.53	1.08	2.45	7.60	16.40	24.00	21.55	3.44	0.28	25.35	25.63
July	1.96	0.25	1.71	9.10	23.52	32.62	30.91	6.01	0.49	36.37	36.86
August	2.22	0.36	1.86	5.00	9.99	14.99	13.12	5.55	0.46	15.44	15.90
September	2.89	0.70	2.19	0.00	0.00	0.00	0.00	3.00	0.25	0.00	0.25
October	3.13	0.83	2.23	1.40	0.00	1.40	0.00	1.79	0.15	0.00	0.15
November	1.92	0.23	1.69	1.50	0.00	1.50	0.00	1.44	0.12	0.00	0.12
December	1.38	0.07	1.31	1.10	0.00	1.10	0.00	1.09	0.09	0.00	0.09
Totals	29.99	6.52	23.47	51.70	100.90	152.60	132.61	29.24	2.40	156.01	158.41
Crop is	sorahum 8	small grain									
CN/	71.00	dimension	loss	Maximum	: :alculated ap	plication ra	te =	13.00	ac-in/ac/m	onth OR a	c-ft/ac/year
Co.	5.25	mmhos/cm			s proposed:			3.53			c-ft/ac/year
a	6.90	mmhos/cm			ate from agr			3.53			c-ft/ac/year
Pond area	5.00	acres					.,	3.22			.,
Irrigation area	61.00	acres									
Irrigation Efficiency, X	0.85	dimensioni	less	Reco	mmended	rate for	permit =	3.53	ac-in/ac/m	onth OR a	c-Maciyon
Design Flow	0.192	ANGO				Limiting	factor =	Click this o	ell to choos	e from list.	
-				Gross rate	. chack (f			2.52	OK		

Appendix A Water Balance Calculations

Permittee:	O	Foods, In	_					TWDD D.			
Permittee: Permit No.:	¥Q0003		ic.					TWDB Data Quadrangle:			
Permit IVO.:	# 60000	014000						31	10		
The water b where irrigal application	ion is to o	ccur. The a	pplicant's	proposed	application	rate must	not must r		_		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9a)	(9Ь)	(10)	(11)
Month	Avg	Avg	Avg	Evapo-	Required	Total	Effluent	Raw	Reservoir	Effluent	Reservoir
	Rain	Runoff	Infilt	trans.	Leach	Water	Needed	Net	Net Evap.	Needed	Consumtion
			Rainfall			Needs	in	Evap.	(as inches	Based on	(as inches
							Root	from	on plot	Irrigation	on plot
							Zone	Reservoir	acres)	Efficiency	acres)
Units →	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches
January	1.59	0.12	1.46	0.99	0.00	0.99	0.00	0.93	0.08	0.00	0.08
February	1.87	0.22	1.65	1.35	0.00	1.35	0.00	0.81	0.07	0.00	0.07
March	2.75	0.62	2.13	3.33	3.82	7.15	5.02	1.40	0.11	5.90	6.02
April	2.66	0.57	2.03	4.05	6.24	10.29	8.21	2.54	0.21	9.66	9.86
May	4.10	1.46	2.64	7.20	14.52	21.72	19.09	1.24	0.10	22.45	22.56
June	3.53	1.08	2.45	8.10	17.99	26.03	23.64	3.44	0.28	27.81	28.09
July	1.96	0.25	1.71	8.37	21.20	29.57	27.86	6.01	0.49	32.77	33.27
August	2.22	0.36	1.86	5.31	10.97	16.28	14.42	5.55	0.46	16.97	17.42
September	2.89	0.70	2.19	6.03	12.21	18.24	16.05	3.00	0.25	18.88	19.13
October	3.13	0.83	2.29	4.68	7.60	12.28	9.99	1.79	0.15	11.75	11.90
November	1.92	0.23	1.69	1.89	0.65	2.54	0.85	1.44	0.12	1.00	1.12
December	1.38	0.07	1.31	0.81	0.00	0.81	0.00	1.09	0.09	0.00	0.09
Totals	29.99	6.52	23.47	52.11	95.20	147.31	125.12	29.24	2.40	147.20	149.60
Crop is	Bermuda &										
C/OP IS	71.00	dimension	l	Maximum	alculated ap	nlication rat	·	12.27	ac-intactm	onth OR a	c-Machiner
Co	5.25	mmhos/cm			arculaced ap proposed a			3.53		onth OR a	
a	6.90	mmhos/cm			ate from agr			3.53		onth OR a	-
Pond area	5.00	acres		TYTAXIIII AIII T	ace monitagi	Ollollic aliai	y515 -	0.30	ac illiacilli	J	
Irrigation	61.00	acres									
Irrigation Efficiency,	0.85	dimensioni	less	Rec	ommended	rate for	permit =	3.53	ac-in/ac/m	onth OR a	c-Maciyosi
Design Flow	0.192	MGD				Limiting	factor =	Click this c	ell to choose	e from list.	
-				Gross rat	e check (f	ron flow	acres) =	3.53	OK		

Appendix B Storage Calculations

Dormitton	Cabraileas	loode les								
Permittee: Permit No.:	Schreiber F WQ000307									
Fermit No.:	W Q 0 0 0 3 0 7	4000								
storage										
calculatio										
ns are										
designed to										
co evaluate										
the										
arie .										
(12)	(13)	(14a)	(14b)	(15)	(16)	(17)	(18a)	(186)	(19)	(20)
Month	Effluent	Average	Rain	Field	Infiltrated	Avail	Average	Low Net	Effluent	Accum
1-12.11.11	Available	Rainfall	Worst	Runoff	Rain	Water	Net	Evap.	to Storage	Storage
	(as inches	Distrib.	Year	Worst			Evap.	from	(as inches	(as inches
	on plot	(%)		Year			Distrib.	Reservoir	on plot	on plot
	acres)						(%)	Surface	acres)	acres)
Units →	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches
January	3.53	5.29%	2.42	0.45	1.97	5.49	3.20%	0.01	3.52	17.58
February	3.53	6.24%	2.85	0.68	2.18	5.70	2.76%	0.01	-1.01	0
March	3.53	9.18%	4.20	1.53	2.67	6.19	4.79%	0.01	-18.82	0
April	3.53	8.87%	4.06	1.44	2.63	6.15	8.67%	0.02	-27.41	0
May	3.53	13.66%	6.25	3.10	3.15	6.68	4.24%	0.01	-14.89	0
June	3.53	11.77%	5.39	2.41	2.97	6.50	11.75%	0.02	-12.86	0
July	3.53	6.53%	2.99	0.75	2.23	5.76	20.54%	0.04	-30.29	0
August	3.53	7.41%	3.39	0.99	2.40	5.92	18.99%	0.04	-14.77	0
September	3.53	9.64%	4.41	1.68	2.73	6.25	10.27%	0.02	3.51	3.51
October	3.53	10.42%	4.77	1.94	2.83	6.35	6.12%	0.01	3.51	7.02
November	3.53	6.41%	2.93	0.72	2.21	5.74	4.93%	0.01	3.52	10.54
December	3.53	4.59%	2.10	0.31	1.79	5.32	3.74%	0.01	3.52	14.06
Totals	42.31	100%	45.77	16.02	29.75	72.06	100%	0.19	_	17.58
/orst (low) i		2.27	inches		Storage re	quired =		89.35		
Correspond	_		inches		Actual stor			70.55		
Worst-case	net year =	2007			Additional		uired =	18.80		
					Storage da	ays =		152	days	
13) Effluent av	ailable for irrig	gation (assur	nes design flo	ow is applied	to entire acer	age unless c	lifferent flow	values are jus	tified).	
					elopment Boa			ater Balance (Calculations (above)
					0/* maximum			//dooo! 01!	40000	
		-			/) - 10))) <u>]</u> ^2/((.	raintall worst	(xear + (0.8°	((10007277)-	10))))	
	ainfall = (rainf				trated rainfall (shoold				
					/ater Developi		see Quadrar	nale in Water I	Balance Calc	ulations abo
					oration/)"(ne					
19) Storage =					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				, , <u>, ,</u>	
	ater needs - ir	hiltrated rain	(all) < 0, (ell)	luent availab	le for land app	nlication - n	et lon enapo	ration from re:	servoir surfac	e);
lf: (<i>tota</i> /wa	ter needs - ini	filtrated rainf:	a#)≥0,							
Coffluent au	ailable for lan	d application	n-net low ev	aporation fro	m reservoir su	rface) "[(tota	al water need	ls - infiltrated	rainfall)/(irriga	ation efficien
20) Accumula	ated storage = <i>evaporation fi</i>									

Appendix B Storage Calculations

STORAGE	CALCUL	ATIONS.	all units i	in inches (unless ot	herwise s	pecified)			
Permittee:	Schreiber F									
Permittee:	WQ00030									
Permit IVO.:	w@00030	14000								
i iie										
storage										
calculatio										
ns are										
designed to										
co evaluate										
the										
(12)	(13)	(145)	(146)	(15)	(16)	(17)	(18a)	(186)	(19)	(20)
Month	Effluent	Average	Rain	Field	Infiltrated	Avail	Average	Low Net	Effluent	Accum
	Available	Rainfall	Worst	Runoff	Rain	Water	Net	Evap.	to Storage	Storage
	(as inches	Distrib.	Year	Worst			Evap.	from	(as inches	(as inches
	on plot	(%)		Year			Distrib.	Reservoir	on plot	on plot
	acres)	` ′					(%)	Surface	acres)	acres)
Libits →	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches
January	3.53	5.29%	2.42	0.45	1.97	5.49	3.20%	0.01	3.52	17.58
February	3.53	6.24%	2.85	0.68	2.18	5.70	2.76%	0.01	-1.01	0
March	3.53	9.18%	4.20	1.53	2.67	6.19	4.79%	0.01	-18.82	0
April	3.53	8.87%	4.06	1.44	2.63	6.15	8.67%	0.02	-27.41	0
May	3.53	13.66%	6.25	3.10	3.15	6.68	4.24%	0.01	-14.89	0
June	3.53	11.77%	5.39	2.41	2.97	6.50	11.75%	0.02	-21.23	0
July	3.53	6.53%	2.99	0.75	2.23	5.76	20.54%	0.04	-32.26	0
August	3.53	7.41%	3.39	0.99	2.40	5.92	18.99%	0.04	-11.32	0
September	3.53	9.64%	4.41	1.68	2.73	6.25	10.27%	0.02	3.51	3.51
October	3.53	10.42%	4.77	1.94	2.83	6.35	6.12%	0.01	3.51	7.02
November	3.53	6.41%	2.93	0.72	2.21	5.74	4.93%	0.01	3.52	10.54
December	3.53	4.59%	2.10	0.31	1.79	5.32	3.74%	0.01	3.52	14.06
Totals	42.31	100%	45.77	16.02	29.75	72.06	100%	0.19	_	17.58
	1=111		12111			1 - 1 - 1				
Worst (low)	net evap. =	2.27	inches		Storage re	auired =		89.35	ac-//	
Correspondi			inches		Actual stor			70.55		1
worst-case i	_	2007				storage rec	guired =		ac-11	
	,				Storage d				days	
3) Effluent au	ailable for irri	astion (secur	nas dasian fl	owis applied	to entire acer		: ifferent flow u	-		
14a) Average i										oue)
14b) Rainfall w								n Dalalice Ce	iliculations ab	ovej
15) Field runol								(10004751/1) =	10000	
16) Infiltrated r	-				, 10)) <u>[</u> 21((10000000000000000000000000000000000000		(10001 200)	10,,,,,	
17) Available v					ated rainfall of	nack)				
18a) Average							see Quadrano	le in Water R	alance Calcul	ations about
18b) Net Iow e										
19) Storage =	*aporation in	011111111111111111111111111111111111111	2411400 - [(i	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2020204) (32	172-30 1 3 232-200	01,500, 03,50)] [(#2002-20	to ji(wagowe	., .,,
	ster needs – ir	nkilte atanle aine	(علا) ما (علا) (علام) ما (علام)	فالمحانيجات المصرة	e for land appi	lination = ne	t knii piianne	dion kom rec	annir enrias	e li
•	ner neeus - in iter needs - in			CON OF BUILDING	- 720 70770 apgro	1.001.00 - //E	evapicoa			· Ji
•				anoration (co	m reservoir s	urkana) * fite-t	al mater secon	e _ infiltested	rainfallMissia.	tion officier
emuent av 20) Accumula			- neclowed	aporación rio	m reservoir S	urace) [(Ot	ai water need	s - minitrated	тантанутшида	adon emcien
	redistorage = evaporation f		r surkana + 4	storage < 0.0	1					
	evaporation h									
it: //et/ic/9/1	- satura anna u	C0001E2E28E0	SWIDLE + 3	araghe 10's	incer value					

Appendix B Storage Calculations

Permittee:	Screiber Fo	ods Inc								
Permit No.:	VQ000307									
r emilitrao.:	w Q000301	+000								
III e										
storage										
calculation										
sare										
designed										
o evaluate										
the storage										
capacity										
(12)	(13)	(14a)	(146)	(15)	(16)	(17)	(18a)	(18b)	(19)	(20)
Month	Effluent	Average	Rain	Field	Infiltrated	Avail	Average	Low Net	Effluent	Accum
1-121111	Available	Rainfall	Worst	Runoff	Rain	Water	Net	Evap.	to Storage	Storage
	(as inches	Distrib.	Year	Worst			Evap.	from	(as inches	(as inche
	on plot	(%)		Year			Distrib.	Reservoir	on plot	on plot
	acres)	` `					(%)	Surface	acres)	acres)
Units →	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches
January	3.53	5.29%	2.42	0.45	1.97	5.49	3.20%	0.01	3.52	10.17
February	3.53	6.24%	2.85	0.68	2.18	5.70	2.76%	0.01	3.52	13.69
March	3.53	9.18%	4.20	1.53	2.67	6.19	4.79%	0.01	-1.75	0
April	3.53	8.87%	4.06	1.44	2.63	6.15	8.67%	0.02	-5.51	0
May	3.53	13.66%	6.25	3.10	3.15	6.68	4.24%	0.01	-18.33	0
June	3.53	11.77%	5.39	2.41	2.97	6.50	11.75%	0.02	-23.69	0
July	3.53	6.53%	2.99	0.75	2.23	5.76	20.54%	0.04	-28.67	0
August	3.53	7.41%	3.39	0.99	2.40	5.92	18.99%	0.04	-12.85	0
September	3.53	9.64%	4.41	1.68	2.73	6.25	10.27%	0.02	-14.74	0
October	3.53	10.42%	4.77	1.94	2.83	6.35	6.12%	0.01	-7.61	0
November	3.53	6.41%	2.93	0.72	2.21	5.74	4.93%	0.01	3.13	3.13
December	3.53	4.59%	2.10	0.31	1.79	5.32	3.74%	0.01	3.52	6.65
Totals	42.31	100%	45.77	16.02	29.75	72.06	100%	0.19	_	13.69
					_					
vorst (low) n			inches		Storage red			69.59		
Correspondii	_		inches		Actual stor	-		70.55		
/orst-case n	net year =	2007				storage req	uired =	None	ac-H	
40) 5/4					Storage da	•			days	
13) Effluent av: 14a) Average r										-)
146) Rainfall w							igie in water t	Dalai ice Calci	alations above	=)
15) Field runoff							x + (0 8°((10)	107/24/1 = 1011	11	
16) Infiltrated ra					iojjja žittrair	man ironst yea	, . (0.0 ((100	301077 10))	"	
17) Available w					ed rainfall che	ok)				
18a) Average r							Quadrangle	in Water Balar	nce Calculatio	ons above)
18b) Net low ev	vaporation fror	n reservoir su	rface = [() んぃ	rneterapora	tion/)"(net lot	v ekaporatior	raigt dist)]"[(pondarea)li	(imigation are.	a)]
19) Storage =										
	ter needs - int			ent available f	or land applic.	ation - netilo	ni ekaporatio	n from reservo	nir surface);	
	er needs - infii									
:	ailable for land	application -	net low evap	oration from r	eservoir surfa	ce)	ater needs - i	ntiltrated rainf	all)/(irrigation e	etficiency)]
20) Accumulai										
	evaporation fro evaporation fro			_	ar ualua					
n. werzon e	rkaporanon mi	mmeserron s	andre + Sil	orge /U,eNt	ei value					1

TOXIC RATING WORKSHEET

Permittee:	Schreiber I	Schreiber Foods, Inc.			
Facility:		Schreiber Foods			
SIC Codes:	1. 2022	2. 2023			
40 CFR Section:	N/A				
Toxic Rating for	Facility: I (TLAP rat	ing)			
Permit Writer:	Alyssa Love	day	Date: May 12, 2023		
ALCULATE TOXI	C RATING FOR THE	FACILITY			
			ne total wastewater flow from		
chity and the toxi	c rating for the outfall	•			
UTFALL No.	% Contribution	Toxic Rating	Rating × Percent		
		_	<u> </u>		
Irrigation	100	1	100		
	_		-		
oxic Rating for Fa	cility = Total/100 =	1 (ro	ound to nearest whole #)		
oxic Rating for Fa	cility = Total/100 =		ound to nearest whole #)		
		_1 (ro	ound to nearest whole #)		
oxic Rating for Fa		<u>1</u> (ro	ound to nearest whole #)		
UTFALL NO.:	<u>-</u>		ound to nearest whole #) nd toxic rating for each waste		
UTFALL NO.: st waste streams	in order of percent co	ntribution to outfall a			

Total <u>100</u>

Toxic Rating for Outfall = Total/100 = ___

Total: ___-

(round to nearest whole #)

OUTFALL CONTAMINATION DETERMINATION

Permit	tee Nan	ne: Schreiber Foods, Inc.
Permit	tee Nun	nber: WQ0003074000
		heet to make a determination for each internal and external Outfall. Enter the (i.e., contaminated or uncontaminated) into the space provided for each outfall.
•		necked "YES", the outfall is classified as "CONTAMINATED" for billing and
PARIS If no b PARIS	oxes are	checked "YES", the outfall is classified as "UNCONTAMINATED" for billing and
Outfall	l No.:	<u>Irrigation</u>
Yes	No	
	\boxtimes	toxic rating is greater than or equal to three
	\boxtimes	discharge requires limits based on water quality factors of the receiving stream
	\boxtimes	discharge is greater than 10% (or more than 1 MGD) process wastewater
	\boxtimes	discharge requires monitoring and reporting or limits for radioactive materials
		other: (provide explanation)
Outfa	ll Dete	rmination: <u>Uncontaminated</u>

Texas Commission on Environmental Quality

INTEROFFICE MEMORANDIIM

DATE: May 12, 2023

Mike Lindner, Team Leader

TO:

Industrial Permits Team, Wastewater Permits Section								
From: Alyssa Love Industrial P					ater	Permits Section		
Subject:	Subject:							
Applicant:	Schi	reiber	Food	ds, Inc				
Plant Name:	Schi	reiber	Food	ds			,	T
\Box TPDES	\boxtimes	TCE	Q	WQo	003	074000	EPA ID. No.	N/A
Industrial:	\boxtimes	Min	or			ajor	,	
Toxic Rating:	1					Segment:	1229	1
Received:		ruary 6	_			lministrativel		March 21, 2023
Assigned:	Mar	ch 31,	202	3	To	Team Leader	?•	May 12, 2023
Tech Complete:								
ATTACHMENTS	:		Sta	te-Or	ıly			
New								
Renewal				\boxtimes				
Major Amendment				\boxtimes				
Minor Amendment	ţ							
Staff Initiated Ame	ndme	ent						
Fact Sheet								
SOB/Technical Summary			\boxtimes					
RATIONALE Use	ad to	Droft	Doz	oumit.				
☐ Federal Guid				N/A				
□ Waste Load				N/A N/A N/A WQ0003074000, issued June 25, 2019 N/A				
☐ TCEQ Rules:		autioi						
⊠ Existing Per								
☐ Other:								
Company's Rep: Mr. Corey Mullin Phone No.: (254) 485-3892 Fax No.: N/A								
Known Opposition: □ Yes ⊠ No If yes, briefly explain: <u>N/A</u>								
		=						
Comments:	comments:							

INDUSTRIAL EPA REVIEW CHECKLIST

Permittee Name:		Name:	Schreiber Foods, Inc.		
Per	mittee 1	Number:	WQ0003074000		_
PLEAS	SE CHEC	CK ALL THE	APPLICABLE BELOW:		
Draft	permit a	authorizes:			
Yes □ □	No ⊠ ⊠	discharge	to territorial seas (within 3 miles o or sewage sludge management ma For sewage sludge management, "n	y affect and	other state or the Republic of
	\boxtimes	boundary	her state or Mexico. For discharge with another state or Mexico. of uncontaminated cooling tower of MGD?	•	-
	\boxtimes	_	from a designated major facility? from a categorical industry as listent A)	ed in 40 CF	R Part 122, Appendix A? (see
		discharge Appendix discharge manufactu the produ	from source other than a categoric A with a permitted daily average for non-process wastewater? Non-processing or processing) does not come ction or use of any raw material, into the converse product.	low >0.5 M ocess wastev e into direct	GD, except for facilities that water is water that (during contact with, or results from
	\boxtimes	<i>v</i> 1	ility discharge to critical concern s	pecies wate	rsheds (see WQ Standards
		discharge	from a new or expanding facility to to discharge any pollutant which is ment?		
Per th	e screen		choose one: Y es, EPA review is requi	ired.	☑ No, EPA review is <u>not</u>
	a Love	day er's Nam	<u>e</u>	May 1 Date	2,2023

QuickSave Buttons

You can click the buttons below to automatically save your draft permit and its pieces (e.g., the caption) in the appropriate folders.

IMPORTANT NOTE:

If you have trouble emailing a permit document:

- save it as a .docx file and send the .docx file
- **or** send the ERC and Region Permits folder version (it will be in .docx format already).

Save as Tech Complete

Save Permit at ED Sub

TCEQ Interoffice Memorandum

To: Mike Lindner, Team Leader

Industrial Permits Team

From: Alan Barraza, Agronomist

Water Quality Assessment Team

Date: June 20, 2023

Subject: Agronomy Recommendations, Schreiber Foods, Inc., Major Amendment with

Renewal, WQ0003074000, Erath County

Based upon review of the permit application and an evaluation of soils and agronomy information, the WQA Team reviewing agronomist recommends the following:

1. Update general to include Coastal Bermuda grass, soybean hay, or forage sorghum (primary crop) and ryegrass or small grains (supplemental cool weather crop)

2. Application rates to the irrigated land shall not exceed 3.53 acre-feet/acre/year.

3. Update Special Provision B:

The permittee shall provide a minimum irrigation field area of 61 acres, exclusive of buffer zones, roadways, ponds, and embankment areas, and other disposal area accessories. The permittee shall maintain a minimum buffer zone of 150 feet from any existing or proposed water supply wells located at or adjacent to this facility. Additional land may be added provided that the permittee submits a map which updates the location of the land tracts used for industrial waste irrigation and obtains approval from the Executive Director of the TCEQ prior to initiating irrigation of the added acreage.

4. Update Special Provision F:

The land utilized for wastewater irrigation shall be defined on appropriate maps and updated as necessary. The map(s) shall be available for inspection by authorized representatives of the TCEQ. The permittee shall maintain a permanent crop of Bermuda grass, soybean hay, or forage sorghum (primary crop) and ryegrass or small grains (cool season) over the irrigated area. The irrigated fields shall be mowed at least twice each year, and all resulting hay shall be removed from the fields. Fertilizers shall be used if required to maintain healthy crops on the irrigated fields.

5. The applicant's request to amend the organic loading rate from lbs./acre/year to lbs./acre/day measured as biochemical oxygen demand (5-day) and amend the nitrogen loading rate from lbs./acre/year to lbs./acre/year measured as total nitrogen is not approved..

TCEQ Interoffice Memorandum

To: Mike Lindner, Team Leader, Industrial Permits Team

From: Andrew Gorton, P.G., Water Quality Assessment Team

Date: March 27, 2023

Subject: Geology Recommendations, Schreiber Foods, Inc., Major Amendment with

Renewal, Permit No. WQ0003074000, Erath County

Based upon the review of the permit application and an evaluation of geology and groundwater information, the WQA Team reviewing geologist has no additional geology or groundwater-related recommendations for the amended and renewed permit.



February 3, 2023

Texas Commission on Environmental Quality Executive Director Applications Review and Processing Team, MC-148 12100 Park 35 Circle Austin TX 78753

Re:

TCEQ Industrial Wastewater Application – Major Amendment of WQ0003074000 for Schreiber Foods, Inc.,

Erath County

Enclosed please find the TCEQ Major Amendment permit application for the above referenced facility. Should you have any questions please do not hesitate to contact me.

Respectfully Submitted,

CENTRAL TEXAS OFFICE 9855 FM 847

AMARILLO, TEXAS 79118

CORPORATE OFFICE 3404 AIRWAY BLVD

DUBLIN, TEXAS 76446

800.753.6525

800.753.6525

NEW MEXICO OFFICE 203 EAST MAIN STREET ARTESIA, NEW MEXICO 88210 800.753.6525

www.enviroag.com

Jourdan Mullin

Enviro-Ag Engineering, Inc.

Enclosures

cc:

Schreiber Foods, Inc.

EAE file

INDUSTRIAL WASTEWATER PERMIT MAJOR AMENDMENT APPLICATION

Permit No. WQ0003074000

Prepared For:

Schreiber Foods, Inc.

923 County Road 176

Stephenville, TX 76401



January 11, 2023

Conducted By:



Table of Contents

LIST OF	F FIGURES	iii
ATTAC	CHMENT A - APPLICATION FEE	1
ATTAC	CHMENT B – CORE DATA FORM	2
	CHMENT C – 7.5-MINUTE USGS MAPS	
C.1	Stephenville and Knob Hill, Texas Quadrangles	3
ATTAC	CHMENT D – ADJACENT LANDOWNERS	4
D.1	Adjacent Landowners List	4
D.2	Adjacent Landowners Map	4
ATTAC	CHMENT E – PHOTOGRAPHS	7
E.1	Photograph Location Map	7
E.2	Photographs	
ATTAC	CHMENT 1 — FACILITY/SITE INFORMATION AND MAPS	11
1.1	Process Flow Diagram	11
1.2	Vicinity Map	11
1.3	7.5 Minute USGS Map	11
1.4	Site Map	11
ATTAC	CHMENT 2 – FLOODPLAIN INFORMATION	16
2.1	FEMA Floodplain Map	
2.2	Protective Measures	16
ATTAC	HMENT 3 - IMPOUNDMENT FACILITY & LINER/GEOLOGY INFORMATION	18
ATTAC	HMENT 4 – SAFETY DATA SHEETS	19
ATTAC	HMENT 5 – ANNUAL CROPPING PLAN	20
5.1	Annual Cropping Plan	20
	HMENT 6 – WATER WELL INFORMATION	
6.1	Water Well Map	
6.2	Water Well Information	
6.3	Monitoring Well Map	
6.4	Monitor Well Information	
ATTAC	HMENT 7 – SOILS INFORMATION	
7.1	Soil Features	

ATTAC	HMENT 8 – POLLUTANT ANALYSIS DATA	26
ATTAC	HMENT 9 – ENGINEERING REPORT	27
9.1	Purpose	27
9.2	Background	27
9.3	Impoundment Facility	27
9.4	Water Balance Calculations	27
9.5	Storage Calculations	27
ATTAC	HMENT 10 – STORAGE LAGOON CONTINGENCY PLAN	30
ATTAC	HMENT 11 – PUBLIC INVOLVEMENT PLAN	31

LIST OF FIGURES

Figure D.1: Adjacent Landowners Map	6
Figure E.1: Photograph Location Map	8
Figure E.2a: Photographs	9
Figure E.2b: Photographs	
Figure 1.1: Process Flow Diagram	
Figure 1.2: Vicinity Map	
Figure 1.3: 7.5-Min USGS Map	
Figure 1.4: Site Map	
Figure 2.1: FEMA Floodplain Map	
Figure 5.1: Annual Cropping Plan	
Figure 6.1: Water Well Map	23
Figure 6.2: Monitoring Well Map	
Figure 9.1: Water Balance Calculations	
Figure 9.2: Storage Calculations	

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

TCEQ INDUSTRIAL WASTEWATER PERMIT APPLICATION

INDUSTRIAL ADMINISTRATIVE REPORT 1.0

This report is required for all applications for TPDES permits and TLAPs. Contact the Applications Review and Processing Team at 512-239-4671 with any questions about completing this report

Item 1. Application Information and Fees (Instructions, Page 26)

a.	Complete each field with the requested information, if applicable. Applicant Name: Schreiber Foods, Inc. EPA ID No.: TX000068221 Permit No.: WQ0003074000 Expiration Date: 6/25/2029				
b.	Check the box next to the ap	ck the box next to the appropriate authorization type.			
	🗵 Industrial Wastewater (wa	stewater and	stormwater)		
	☐ Industrial Stormwater (sto	ormwater onl	y)		
c.	Check the box next to the ap	propriate fac	cility status.		
	⊠ Active □	Inactive			
d.	Check the box next to the ap	propriate pe	rmit type.		
	\square TPDES Permit	TLAP			
e.	Check the box next to the ap	propriate ap	plication type.		
	□ New				
	\square Renewal with changes		□ Renewal wi	thout changes	
	☑ Major amendment with renewal ☐ Major amendment without renewal				enewal
	☐ Minor amendment withou	t renewal	☐ Minor mod	ification without i	renewal
f.	acres from 50 acres to 61 acres, increasing the average daily flow from 132,000 gallons per day to 192,000 gallons per day, amending the organic loading rate from lbs./acre/year to lbs./acre/day measured as biochemical oxygen demand (5-day) and amending the nitrogen loading rate from lbs./acre/year to lbs./acre/year measured as total nitrogen.				
	EPA Classification	New	Major Amend. (with or without renewal)	Renewal (with or without changes)	Minor Amend. / Minor Mod. (without renewal)
	Minor facility not subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	□ \$350	⊠ \$350	□ \$315	□ \$150
	Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	□ \$1,250	□ \$1,250	□ \$1,215	□ \$150
	Major facility	N/A ¹	□ \$2,050	□ \$2,015	□ \$450

¹ All facilities are designated as minors until formally classified as a major by EPA.

Seg	TCEQ Use Only ment NumberCounty piration DateRegion mit Number
h.	Payment Information Mailed Check or money order No.: Click to enter text. Check or money order amt.: Click to enter text. Named printed on check or money order: Click to enter text. Epay Voucher number: 600355 & 600356 Copy of voucher attachment: Attachment A
Ite	em 2. Applicant Information (Instructions, Pages 26)
a.	Customer Number, if applicant is an existing customer: <u>CN602630972</u> Note: Locate the customer number using the <u>TCEQ's Central Registry Customer Search</u> ² . Legal name of the entity (applicant) applying for this permit: <u>Schreiber Foods, Inc.</u>
D.	Note: The owner of the facility must apply for the permit. The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.
c.	Name and title of the person signing the application. (Note: The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.) ☑ Mr. ☐ Ms. First/Last Name: <u>Paul Batkins</u> Title: <u>Plant Manager</u> Credential: <u>Click to enter text.</u>
d.	Will the applicant have overall financial responsibility for the facility? \boxtimes Yes \square No Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.
Ite	m 3. Co-applicant Information (Instructions, Page 27)
	Check this box if there is no co-applicant.; otherwise, complete the below questions.
a.	Legal name of the entity (co-applicant) applying for this permit: <u>Click to enter text.</u> Note: The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.
b.	Customer Number (if applicant is an existing customer): <u>CNClick to enter text.</u> Note: Locate the customer number using the TCEQ's Central Registry Customer Search.
с.	Name and title of the person signing the application. (Note: The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.) □ Mr. □ Ms. First/Last Name: Click to enter text. Title: Click to enter text. Credential: Click to enter text.

 $^{^2\ \}underline{https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch}$

d.	Will the co-applicant have overall financial responsibility for the facility? ☐ Yes ☐ No Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.
Ite	em 4. Core Data Form (Instructions, Pages 27)
a.	Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and coapplicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: \underline{B}
Ite	em 5. Application Contact Information (Instructions, Page 27)
Pro	ovide names of two individuals who can be contact for additional information about this application dicate if the individual can be contact about administrative or technical information, or both.
a. b.	 ☑ Administrative Contact ☑ Mr. ☐ Ms. Full Name (First and Last): Paul Bytheway Title: Environmental Engineer
	 ☑ Mr. ☐ Ms. Full Name (First and Last): Corey Mullin Title: Consultant Credential: Click to enter text. Organization Name: Enviro-Ag Engineering Mailing Address: 9855 FM 847 City: Dublin State: TX Zip Code: 76446 Phone No: 254/485-3892 Fax No: 254/965-8000 Email: cmullin@enviroag.com Attachment: Click to enter text.
Ite	em 6. Permit Contact Information (Instructions, Pages 28)
Pro	ovide two names of individuals that can be contacted throughout the permit term.
a.	 ☑ Mr. ☐ Ms. Full Name (First and Last): Paul Bytheway Title: Environmental Engineer Credential: Click to enter text. Organization Name: Schreiber Foods, Inc. Mailing Address: 400 N Washington Street City: Green Bay State: WI Zip Code: 54301
	Phone No: 920/445-6109 Fax No: 920/445-2200 Email: Paul.Bytheway@schreiberfoods.com
b.	☑ Mr. ☐ Ms. Full Name (First and Last): <u>Corey Mullin</u>

Title: Consultant Credential: Click to enter text.

Organization Name: Enviro-Ag Engineering

Mailing Address: 9855 FM 847

City: <u>Dublin</u> State: <u>TX</u> Zip Code: <u>76446</u>

Phone No: <u>254/485-3892</u> Fax No: <u>254/965-8000</u> Email: <u>cmullin@enviroag.com</u>

Attachment: Click to enter text.

Item 7. Billing Contact Information (Instructions, Page 28)

The permittee is responsible for paying the annual fee. The annual fee will be assessed for permits in **effect on September 1 of each year**. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (form TCEQ-20029).

Provide the complete mailing address where the annual fee invoice should be mailed and the name and phone number of the permittee's representative responsible for payment of the invoice.

☑ Mr. ☐ Ms. Full Name (First and Last): Gary McCaffity

Organization Name: Schreiber Foods, Inc.

Mailing Address: 923 CR 176

City: <u>Stephenville</u> State: <u>TX</u> Zip Code: <u>7640</u>1

Phone No: <u>254/552-7717</u> Fax No: <u>254/55</u>2-7896 Email:

Gary.McCaffity@schreiberfoods.com

Item 8. DMR/MER Contact Information (Instructions, Page 28)

Provide the name and mailing address of the person delegated to receive and submit DMRs or MERs. **Note:** DMR data must be submitted through the NetDMR system. An electronic reporting account can be established once the facility has obtained the permit number.

☑ Mr. ☐ Ms. Full Name (First and Last): Gary McCaffity

Title: Environmental Health & Safety Manager, Operations Credential: Click to enter text.

Organization Name: Schreiber Foods, Inc.

Mailing Address: 923 CR 176

City: <u>Stephenville</u> State: <u>TX</u> Zip Code: <u>76401</u>

Phone No: 254/552-7717 Fax No: 254/552-7896 Email:

Gary.McCaffity@schreiberfoods.com

Item 9. NOTICE INFORMATION (Instructions, Pages 28

a. Individual Publishing the Notices

☐ Mr. ☑ Ms. Full Name (First and Last): Jourdan Mullin

Title: Consultant Credential: Click to enter text.

Organization Name: Enviro-Ag Engineering

Mailing Address: 9855 FM 847

City: <u>Dublin</u> State: <u>TX</u> Zip Code: 76446

Phone No: 806/679-5570 Fax No: 254/965-8000 Email: jmullin@enviroag.com

b. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package (only

for NORI, NAPD will be sent via regular mail)

□ E-mail: jmullin@enviroag.com

☐ Fax: Click to enter text.

⊠ Regular Mail (USPS)

Mailing Address: 9855 FM 847

City: <u>Dublin</u> State: <u>TX</u> Zip Code: <u>76446</u>

	\boxtimes	Mr. □ Ms Full Name (First and Last): <u>Paul Bytheway</u>
	Tit	ele: <u>Environmental Engineer</u> Credential: <u>Click to enter text.</u>
	Or	ganization Name: <u>Schreiber Foods, Inc.</u>
	-	one No: <u>920/455-6109</u> Fax No: <u>920/455-2200</u> Email: ul.Bytheway@schreiberfoods.com
d.	Pu	blic Viewing Location Information
	No eac	ote: If the facility or outfall is located in more than one county, provide a public viewing place for ch county.
	Pu Ext	blic building name: <u>Erath County Courthouse</u> Location within the building: <u>Erath County tension Office</u>
	Ph	ysical Address of Building: <u>100 Washington St. Room 206</u>
	Cit	y: <u>Stephenville</u> County: <u>Erath</u>
e.	Bil	ingual Notice Requirements
	Th rec	is information is required for new, major amendment, and renewal applications. It is not quired for minor amendment or minor modification applications.
	ne	is section of the application is only used to determine if alternative language notices will be eded. Complete instructions on publishing the alternative language notices will be in your public tice package.
	Ple the	ase call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain e following information to determine whether an alternative language notices are required.
	1.	Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?
		oxtimes Yes $oxtimes$ No $oxtimes$ N/A (Minor amendment or modification)
		If no, publication of an alternative language notice is not required; skip to Item 8 (Regulated Entity and Permitted Site Information.)
	2.	Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?
		\boxtimes Yes \square No \square N/A (Minor amendment or modification)
	3.	Do the students at these schools attend a bilingual education program at another location?
		\square Yes \boxtimes No \square N/A (Minor amendment or modification)
	4.	Would the school be required to provide a bilingual education program, but the school has waived out of this requirement under 19 TAC §89.1205(g)?
		\square Yes \boxtimes No \square N/A (Minor amendment or modification)
	5.	If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? <u>Spanish</u>
f.	Pla app	in Language Summary Template - Complete the Plain Language Summary at the end of this olication.
Ite	m	10. Regulated Entity and Permitted Site Information (Instructions Pages 29-

a. TCEQ issued Regulated Entity Number (RN), if available: RN102780665

c. Contact in the Notice

30)

b. Name of project or site (the name known by the community where located): Schreiber Foods c. Is the location address of the facility in the existing permit the same? \boxtimes Yes \square No \square N/A (new permit) Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required. d. Owner of treatment facility: \square Mr. \square Ms. Full Name (First and Last): Click to enter text. or Organization Name: Schreiber Foods, Inc. Mailing Address: 400 N. Washington Street City: Green Bay State: WI Zip Code: 54301 Phone No: 920/455-6109 Fax No: 920/455-2200 Email: Paul.Bytheway@schreiberfoods.com e. Ownership of facility: ☐ Public ☑ Private □ Both ☐ Federal f. Owner of land where treatment facility is or will be: Click to enter text. \square Mr. \square Ms. Full Name (First and Last): Click to enter text. or Organization Name: Schreiber Foods, Inc. Mailing Address: 400 N. Washington Street City: Green Bay State: WI Zip Code: 54301 Phone No: 920/455-6109 Fax No: 920/455-2200 Email: Paul.Bytheway@schreiberfoods.com Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years (In some cases, a lease may not suffice - see instructions). Attachment: Click to enter text. g. Owner of effluent TLAP disposal site (if applicable): Click to enter text. ☐ Mr. ☐ Ms. Full Name (First and Last): Click to enter text. or Organization Name: Schreiber Foods, Inc. Mailing Address: 400 N. Washington Street City: Green Bay State: TX Zip Code: 54301 Phone No: 920/455-6109 Fax No: 920/455-2200 Email: Paul.Bytheway@schreiberfoods.com Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: Click to enter text. h. Owner of sewage sludge disposal site (if applicable): \square Mr. \square Ms. Full Name (First and Last): Click to enter text. or Organization Name: Click to enter text. Mailing Address: Click to enter text. State: Click to enter text. City: Click to enter text. Zip Code: Click to enter text. Phone No: Click to enter text. Fax No: Click to enter text. Email: Click to enter text. TCEQ-10411 (05/20/2022) Industrial Wastewater Application Administrative Report Page 7 of 21

Central Registry to determine the RN or to see if the larger site may already be registered as a

Regulated Entity. If the site is found, provide the assigned RN.

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: <u>Click to enter text.</u>

Item 11. TDPES Discharge/TLAP Disposal Information (Instructions, Pages 31-32)

a.	Is the facility located on or does the treated effluent cross Native American Land?			
	□ Yes ⊠ No			
b. Attach an original full size USGS Topographic Map (or an 8.5"×11" reproduced portion for or amendment applications) with all required information. Check the box next to each iter to confirm it has been included on the map.				
	⊠ One-mile radius	☑ Three-miles downstream information		
	⊠ Applicant's property boundaries	☑ Treatment facility boundaries		
	\square Labeled point(s) of discharge	☐ Highlighted discharge route(s)		
	oxtimes Effluent disposal site boundaries	⊠ All wastewater ponds		
	\square Sewage sludge disposal site	☐ New and future construction		
	Attachment: <u>C</u>			
c.	Is the location of the sewage sludge disposal si \square Yes \boxtimes No or New Permit	te in the existing permit accurate?		
	If no, or a new application, provide an accurate	location description: $\underline{N/A}$		
d.	. Are the point(s) of discharge in the existing permit correct? ☐ Yes ☑ No or New Permit			
	If no, or a new application, provide an accurate	location description: <u>N/A</u>		
e. Are the discharge route(s) in the existing permit correct?				
	☐ Yes ☒ No or New Permit			
	If no, or a new permit, provide an accurate desc	cription of the discharge route: N/A		
f.	City nearest the outfall(s): N/A			
g.	County in which the outfalls(s) is/are located: N/A			
h.	Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?			
	□ Yes ⊠ No			
	If yes, indicate by a check mark if: \square Authorization	tion granted \Box Authorization pending		
	For new and amendment applications, attach coprovide the approval letter upon receipt. Attach	opies of letters that show proof of contact and nment: <u>Click to enter text.</u>		
	For all applications involving an average daily call counties located within 100 statute miles do text.	lischarge of 5 MGD or more, provide the names of wnstream of the point(s) of discharge: <u>Click to enter</u>		
i.	For TLAPs, is the location of the effluent dispos	sal site in the existing permit accurate?		
	$oxtimes$ Yes \odots No or New Permit			
	If no, or a new application, provide an accurate location description: Click to enter text.			

	☑ Yes ☐ No or New Permit
	If no, or a new application, provide an accurate location description: Click to enter text.
j.	City nearest the disposal site: <u>Stephenville</u>
k.	County in which the disposal site is located: <u>Erath</u>
1.	Disposal Site Latitude: 32D 16' 10" Longitude: 98D 11' 27"
m.	For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site: Effluent from the treatment facility is pumped through an underground pipeline to the waste disposal areas.
n.	For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: <u>Unnamed tributary to the South Paluxy River.</u>
Ite	m 12. MISCELLANEOUS INFORMATION (Instructions, Page 33)
a.	Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application? \Box Yes \boxtimes No
	If yes, list each person: Click to enter text.
b.	Do you owe any fees to the TCEQ? $\hfill ext{TCEQ} ext{ Yes } ext{\boxtimes No} ext{ .}$ If yes, provide the account no.: Click to enter text. and total amount due: Click to enter text.
C.	Do you owe any penalties to the TCEQ? ☐ Yes ☒ No If yes, provide the enforcement order no.: Click to enter text. and amount due: Click to enter text.

Item 13. SIGNATURE PAGE (Instructions, Pages 33-34)

Permit No: WQ0003074000

Applicant Name: Schreiber Foods, Inc.

Certification: I, <u>Paul Batkins</u>, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Paul Batkins

Signatory title: Plant Manager

Signature:		Date: 2/3/	23
(Use blue ink)			
Subscribed and Sworn to before me by the said _	Paul	Bothins	
on this	day of	Februry	,2023
My commission expires on the	day of	October	, 2024.
Notary Public		COREY LYNI ID #1266 My Commissi October 06	N MULLIN 09838

Note: If co-applicants are necessary, each entity must submit an original, separate signature page.

INDUSTRIAL ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Item 1. AFFECTED LANDOWNER INFORMATION (Instructions, Pages 35-36)

a.	confirm it has been provided.
	☑ The applicant's property boundaries.
	oxtimes The facility site boundaries within the applicant's property boundaries.
	☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone.
	☑ The property boundaries of all landowners surrounding the applicant's property. (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
	\Box The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream.
	☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge.
	\Box The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides.
	☑ The boundaries of the effluent disposal site (e.g., irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property.
	☑ The property boundaries of all landowners surrounding the applicant's property boundaries where the effluent disposal site is located.
	☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners within one-quarter mile of the applicant's property boundaries where the sewage sludge land application site is located.
	☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (e.g., sludge surface disposal site or sludge monofil) is located.
	Attachment: <u>D</u>
b.	Check the box next to the format of the landowners list:
	☑ Readable/Writeable CD ☐ Four sets of labels
	Attachment: <u>D</u>
d.	Provide the source of the landowners' names and mailing addresses: <u>Erath County Appraisal District</u>
e.	As required by Texas Water Code § 5.115, is any permanent school fund land affected by this application?
	□ Yes ⋈ No
	If yes, provide the location and foreseeable impacts and effects this application has on the land(s): Click to enter text.

Item 2. ORIGINAL PHOTOGRAPHS (Instructions, Page 37)

Provide original ground level photographs. Check the box next to each of the following items to indicate it is included.

At least one original photograph of the new or expanded treatment unit location.

At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.

At least one photograph of the existing/proposed effluent disposal site.

A plot plan or map showing the location and direction of each photograph.

Attachment: E

Plain Language Summary Forms

Individual Industrial Wastewater Application

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Schreiber Foods, Inc (CN602630972) operates Schreiber Foods (RN102780665), a manufacturing/processing plant of cheese products. The facility is located at 923 County Road 176, near the city of Stephenville, Erath County, Texas 76401.

This application is for a major amendment with renewal to increasing the application acres from 50 acres to 61 acres, increasing the average daily flow from 132,000 gallons per day to 192,000 gallons per day, amending the organic loading rate from lbs./acre/year to lbs./acre/day measured as biochemical oxygen demand (5-day) and amending the nitrogen loading rate from lbs./acre/year to lbs./acre/year measured as total nitrogen.

Raw milk is brought to the plant in tankers. In the process of converting this milk into finished products (Cream Cheese) much of the water is extracted. This water, which is known by the industry as "cow water" is captured and used for cleaning purposes along with fresh water. This wash is then captured along with milk minerals, organics, and cleaning compounds and directed to the wastewater treatment facility. All domestic sewage is collected and treated by a chlorination system prior to being commingled with the process wastewater from the plant operations at the lift station.

Process water is collected and routed through monitoring stations which include a bar screen for solids removal and a dissolved air flotation tank for solids removal. Domestic wastewater is treated by a chlorination system prior to being commingled with process wastewater at the lift station. From the lift station, the commingled effluent is pumped to a storage/treatment system consisting of one 3-million-gallon aeration lagoon equipped with 200 hp. of aeration pump, two aeration lagoons (Aerated Storage Basin No. 1 & 2) both with 3 million gallons of storage capacity and 60 hp. of aeration equipment, and one 13.9-million-gallon storage lagoon. Effluent from the lagoons is routed to a center pivot irrigation system that includes a 61-acre tract for irrigation crops consisting of coastal Bermuda grass as a primary crop and ryegrass as a supplemental cool-weather crop.

Schreiber Foods, Inc (CN602630972) opera Schreiber Foods (RN102780665), una planta de fabricación/procesamiento de productos de queso. La instalación está ubicada en 923 County Road 176, cerca de la ciudad de Stephenville, Condado de Erath, Texas 76401.

Esta solicitud es para una modificación principal con renovación para aumentar los acres de aplicación de 50 acres a 61 acres, aumentar el flujo promedio diario de 132,000 galones por día a 192,000 galones por día, modificar la tasa de carga orgánica de lbs./acre/año a lbs./acre/día medida como demanda bioquímica de oxígeno (5 días) y modificando la tasa de carga de nitrógeno de lbs./acre/año a lbs./acre/año medida como nitrógeno total.

La leche cruda se lleva a la planta en camiones cisterna. En el proceso de convertir esta leche en productos terminados (Queso Crema) se extrae gran parte del agua. Esta agua, que la industria conoce como "agua de vaca", es captada y utilizada con fines de limpieza junto con el agua dulce. Luego, este lavado se captura junto con los minerales de la leche, los compuestos orgánicos y los compuestos de limpieza y se dirige a la planta de tratamiento de aguas residuales. Todas las aguas residuales domésticas son recolectadas y tratadas por un sistema de cloración antes de mezclarse con las aguas residuales del proceso de las operaciones de la planta en la estación de bombeo.

El agua de proceso se recolecta y se enruta a través de estaciones de monitoreo que incluyen una pantalla de barra para la eliminación de sólidos y un tanque de flotación de aire disuelto para la eliminación de sólidos. Las aguas residuales domésticas se tratan mediante un sistema de cloración antes de mezclarse con las aguas residuales del proceso en la estación de bombeo. Desde la estación de bombeo, el efluente mezclado se bombea a un sistema de almacenamiento/tratamiento que consta de una laguna de aireación de 3 millones de galones equipada con 200 hp. de bomba de aireación, dos lagunas de aireación (Cuenca de Almacenamiento Aireada No. 1 y 2) ambas con 3 millones de galones de capacidad de almacenamiento y 60 hp. de equipo de aireación y una laguna de almacenamiento de 13.9 millones de galones. El efluente de las lagunas se dirige a un sistema de riego de pivote central que incluye un tramo de 61 acres para cultivos de riego que consisten en pasto Bermuda costero como cultivo principal y raigrás como cultivo complementario de clima frío.

TECHNICAL REPORT 1.0 INDUSTRIAL

The following information **is required** for all applications for a TLAP or an individual TPDES discharge permit.

For additional information or clarification on the requested information, refer to the <u>Instructions for Completing the Industrial Wastewater Permit Application</u>¹ available on the TCEQ website.

If more than one outfall is included in the application, provide applicable information for each individual outfall. **If an item does not apply to the facility, enter N/A** to indicate that the item has been considered. Include separate reports or additional sheets as **clearly cross-referenced attachments** and provide the attachment number in the space provided for the item the attachment addresses.

NOTE: This application is for an industrial wastewater permit only. Additional authorizations from the TCEQ Waste Permits Division or the TCEQ Air Permits Division may be needed.

1. FACILITY/SITE INFORMATION (Instructions, Pages 39-40)

a.	Describe the general nature of the business and type(s) of industrial and commercial activities. Includ
	all applicable SIC codes (up to 4).

Schreiber Foods, Inc. is a specialty dairy food manufacturer, producing a variety of cheeses. Primary SIC Code = 2022, Secondary SIC Code = 2023, Primary NAICS Code = 311513, Secondary NAICS Code = 31514.

b. Describe all wastewater-generating processes at the facility.

Raw milk is brought to the plant in tankers. In the process of converting this milk into finished products (Cream Cheese) much of the water is extracted. This water, which is known by the industry as "cow water" is captured and used for cleaning purposes along with fresh water. This wash is then captured along with milk minerals, organics, and cleaning compounds and directed to the wastewater treatment facility.

All domestic sewage is collected and treated by a chlorination system prior to being commingled with the process wastewater from the plant operations at the lift station.

https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES industrial wastewater steps.html

c. Provide a list of raw materials, major intermediates, and final products handled at the facility.

Materials List

Raw Materials	Intermediate Products	Final Products
Raw Milk	Whey	Cream Cheese
Block Cheese		Chunk, Sliced and Shredded Cheese

					_						
			_								
	Atta	achment	t: Clic	k to enter	text.						
d.	Atta	ch a facil	ity ma	ıp (drawn	o so	cale) with	h the followi	ng information	n:		
	 Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures. 							ıter			
	• [The locati mpound	on of ments	each unit o , outfalls, a	of th and	ne WWT] samplin	P including t g points, if s	the location of ignificantly dif	wastewater co ferent from ou	llection sumps tfall locations.	,
	Atta	chment	: <u>1</u>								
e.	Is th	is a new j	permi	t applicati	on fo	or an exi	sting facility	7?			
		Yes	\boxtimes	No							
	If ye	s , provid	le bac	kground d	scus	ssion: Cl	ick to enter	text.			
f.	Is/w	rill the tre	atme	nt facility/	disp	osal site	be located a	above the 100-	year frequency	flood level.	
	\boxtimes	Yes		No							
	List	source(s)	used	to determ	ne 1	100-year	frequency f	lood plain: <u>FE</u>	MA Flood Map	ID: 4802180	08B
	If no , provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposed to prevent flooding (including tail water and rainfall run-on controls) of the treatment facility and disposal area: Click to enter text.						s) of				
	Atta	chment	: <u>2</u>								
g.	For a	new or n harge of f	najor ill ma	amendn terial into	ent a wa	t permit ater in th	applications ne state?	s, will any cons	truction opera	tions result in	a
		Yes	\boxtimes	No		N/A (r	enewal only	·)			
h.	If ye	s to Item	1.g, h	as the app	lica	nt applie	ed for a USA	CE CWA Chap	ter 404 Dredge	e and Fill perm	it?
		Yes		No						-	
	If ye	s , provid	e the	permit nuı	nbe	r: Click t	o enter text.				
	If no	, provide	an aj	proximat	e da	te of app	lication sub	mittal to the U	SACE: Click to	enter text.	

2. TREATMENT SYSTEM (Instructions, Page 40)

a. List any physical, chemical, or biological treatment process(es) used/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

Process water is collected and routed through monitoring stations which include a bar screen for solids removal and a dissolved air flotation tank for solids removal. Domestic wastewater is treated by a chlorination system prior to being commingled with process wastewater at the lift station. From the lift station, the commingled effluent is pumped to a storage/treatment system consisting of one 3 million gallon aeration lagoon equipped with 200 hp. of aeration pump, two aeration lagoons (Aerated Storage Basin No. 1 & 2) both with 3 million gallons of storage capacity and 60 hp. of aeration equipment, and one 13.9 million gallon storage lagoon. Effluent from the lagoons is routed to a center pivot irrigation system that includes a 61-acre tract for irrigation crops consisting of coastal Bermuda grass as a primary crop and ryegrass as a supplemental cool-weather crop.

b. Attach a flow schematic **with a water balance** showing all sources of water and wastewater flow into the facility, wastewater flow into and from each treatment unit, and wastewater flow to each outfall/point of disposal.

Attachment: 1

3. IMPOUNDMENTS (Instructions, Pages 40-42)

Does the facility use or plan to	use any wastewater impoundmen	ats (e.g., lagoons or ponds?)
· 1	,p	ito (o.g., ragoons or ponas.

⊠ Yes □ No

If **no**, proceed to Item 4. If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a - 3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a - 3.e.

a. Complete the table with the following information for each existing, new, or proposed impoundment:

Use Designation: Indicate the use designation for each impoundment as Treatment (**T**), Disposal (**D**), Containment (**C**), or Evaporation (**E**).

Associated Outfall Number: Provide an outfall number if a discharge occurs or will occur.

Liner Type: Indicate the liner type as Compacted clay liner (**C**), In-situ clay liner (**I**), Synthetic/plastic/rubber liner (**S**), or Alternate liner (**A**). **NOTE:** See instructions for further detail on liner specifications. If an alternate liner (A) is selected, include an attachment that provides a description of the alternate liner and any additional technical information necessary for an evaluation.

Leak Detection System: If any leak detection systems are in place/planned, enter \mathbf{Y} for yes. Otherwise, enter \mathbf{N} for no.

Groundwater Monitoring Wells and Data: If groundwater monitoring wells are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no. Attach any existing groundwater monitoring data.

Dimensions: Provide the dimensions, freeboard, surface area, storage capacity of the impoundments, and the maximum depth (not including freeboard). For impoundments with irregular shapes, submit surface area instead of length and width.

Compliance with 40 CFR Part 257, Subpart D: If the impoundment is required to be in compliance with 40 CFR Part 257, Subpart D, enter **Y** for yes. Otherwise, enter **N** for no.

Date of Construction: Enter the date construction of the impoundment commenced (mm/dd/yy).

Impoundment Information

Parameter	Pond #1	Pond #2	Pond #3	Pond #4
Use Designation: (T) (D) (C) or (E)	Т	Т	Т	Т
Associated Outfall Number	001	001	001	001
Liner Type (C) (I) (S) or (A)	С	С	С	С
Alt. Liner Attachment Reference				
Leak Detection System, Y/N	N	N	N	N
Groundwater Monitoring Wells, Y/N	Y	Y	Y	Y
Groundwater Monitoring Data Attachment	Y	Y	Y	Y
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	Y	Y	Y	Y
Length (ft)	355	340	340	576
Width (ft)	140	140	140	385
Max Depth From Water Surface (ft), Not Including Freeboard	10	10	10	13.3
Freeboard (ft)	2	2	2	2
Surface Area (acres)	1.14	1.09	1.09	4.68
Storage Capacity (gallons)	3,000,000	3,000,000	3,000,000	13,900,000
40 CFR Part 257, Subpart D, Y/N	No	No	No	No
Date of Construction				11/23/2020

Impoundment Information

Parameter	Pond #	Pond #	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)				
Associated Outfall Number				
Liner Type (C) (I) (S) or (A)				
Alt. Liner Attachment Reference				
Leak Detection System, Y/N				
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N				
Length (ft)				
Width (ft)				
Max Depth From Water Surface (ft), not including freeboard				
Freeboard (ft)				
Surface Area (acres)				
Storage Capacity (gallons)				
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

Attachment: 3

The following information (Items 3.b - 3.e) is required only for **new or proposed** impoundments. b. For new or proposed impoundments, attach any available information on the following items. If attached, check yes in the appropriate box. Otherwise, check no or not yet designed. Liner data Yes No Not yet designed ii. Leak detection system or groundwater monitoring data Yes No Not yet designed iii. Groundwater impacts Yes No Not yet designed **NOTE:** Item b.iii is required if the bottom of the pond is not above the seasonal high-water table in the shallowest water-bearing zone. Attachment: Click to enter text For TLAP applications: Items 3.c - 3.e are not required, continue to Item 4. Attach a USGS map or a color copy of original quality and scale which accurately locates and identifies all known water supply wells and monitor wells within ½-mile of the impoundments. Attachment: Click to enter text. d. Attach copies of State Water Well Reports (e.g., driller's logs, completion data, etc.), and data on depths to groundwater for all known water supply wells including a description of how the depths to groundwater were obtained. Attachment: Click to enter text. e. Attach information pertaining to the groundwater, soils, geology, pond liner, etc. used to assess the potential for migration of wastes from the impoundments or the potential for contamination of groundwater or surface water. Attachment: Click to entertext. **OUTFALL/DISPOSAL METHOD INFORMATION (Instructions,** 4. Pages 42-43)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge operations, and for each point of disposal for TLAP operations.

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/or numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area I, evaporation pond E, or subsurface drainage system S by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall** number (e.g. E1 for evaporation pond 1, I2 for irrigation area No. 2, etc.).

Outfall Latitude and Longitude

Outfall Number	Latitude-decimal degrees	Longitude-decimal degrees
I1	32°16'17.30"N	98°11'16.41"W
I2	32°15′59.05″N	98°11′18.32″W

Outfall Location Description

Number	Location Description
I1	Located north of Schreiber Foods plant and north of pond #4.
12	Located north of Schreiber Foods plant and south of pond #4

Description of Sampling Points (if different from Outfall location)

Outfall Number	Description of Sampling Point	

Outfall Flow Information - Permitted and Proposed

Outfall Number	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
I1 & I2	0.132	*	0.192	*	9/1/2023
	*No daily Max Flow				

Outfall Discharge - Method and Measurement

Outfall Number	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
I1	Y	N	Flow Meter
I2	Y	N	Flow Meter

Outfall Discharge – Flow Characteristics

Outfall Number	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)	
I1	Y	Y	Y	24	30	12	
I2	Y	Y	Y	24	30	12	
					_		

Wastestream Contributions

Outfall No.: T-1

Contributing Wastestreams	Volume (MGD)	% of Total Flow
Process	0.189800	98.85
Sanitary	0.0022	1.15

Outfall No.: <u>C-2 & C-3</u>

Contributing Wastestreams	Volume (MGD)	% of Total Flow	
Aeration Basins	0.192	100	

Outfall No.: <u>S-4</u>

Contributing Wastestreams	Volume (MGD)	% of Total Flow
Storage	0.192	100

Attachment: Click to enter text.

5. BLOWDOWN AND ONCE-THROUGH COOLING WATER DISCHARGES (Instructions, Page 44)

a.	Does	s the facil estreams	ity use to the	e/propose to use any cooling towers which discharge blowdown or other e outfall(s)?		
	\boxtimes	Yes		No		
	NOT	Γ Ε: If the	facili	ty uses or plans to use cooling towers, Item 12 is required.		
b.	b. Does the facility use or plan to use any boilers that discharge blowdown or other wastestreams to outfall(s)?					
	\boxtimes	Yes		No		
c.	Does	s or will th	ne fac	ility discharge once-through cooling water to the outfall(s)?		
		Yes	\boxtimes	No		
	NOT	Γ Ε: If the	facili	ty uses or plans to use once-through cooling water, Item 12 is required.		
d.	If ye addi	s to Item tive.	s 5.a,	5.b, or 5.c, attach the SDS with the following information for each chemical		
	• N	//////////////////////////////////////	irers :	Product Identification Number		
				g., biocide, fungicide, corrosion inhibitor, etc.)		
				osition including CASRN for each ingredient		
				t as non-persistent, persistent, or bioaccumulative		
				re ingredient half-life		
				roduct use (e.g., 2 hours/day once every two weeks)		
				data specific to fish and aquatic invertebrate organisms		
				of whole product or active ingredient, as appropriate, in wastestream.		
	Attac waste	ch a sumr estream a	nary o	of this information in addition to the submittal of the SDS for each specific e associated chemical additives and specify which outfalls are affected.		
	Atta	chment	: 4			

e. Cooling Towers and Boilers

If **yes** to either Item 5.a **or** 5.b, complete the following table.

Cooling Towers and Boilers

Type of Unit	Number of Units	Dly Avg Blowdown (gallons/day)	Dly Max Blowdown (gallons/day)
Cooling Towers	4	3,000	5,200
Boilers	2	212	300

6. STORMWATER MANAGEMENT (Instructions, Page 44)

Are there any existing/proposed outfalls which discharge stormwater associated with industrial activit	ties.
as defined at 40 CFR § 122.26(b)(14), commingled with any other wastestream?	

□ Yes ⊠ No

If **yes**, briefly describe the industrial processes and activities that occur outdoors or in some manner which may result in exposure of the activities or materials to stormwater: Click to enter text.

7. DOMESTIC SEWAGE, SEWAGE SLUDGE, AND SEPTAGE MANAGEMENT AND DISPOSAL (Instructions, Page 45)

Domestic Sewage - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

	Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.							
	☐ Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b .							
	□ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.							
	Domestic and industrial treatment sludge ARE commingled prior to use or disposal.							
 □ Industrial wastewater and domestic sewage are treated separately, and the respective sludge commingled prior to sludge use or disposal. Complete Worksheet 5.o. □ Facility is a POTW. Complete Worksheet 5.o. 								
	☐ Other (e.g., portable toilets), specify and Complete Item 7.b :	Click to enter text.						
b.	Provide the name and TCEQ, NPDES, or TPDES Permit No. of the receives the domestic sewage/septage. If hauled by motorized vehicles Registration No. of the hauler.	waste-disposal facility which cle, provide the name and TCEQ						
	Domestic Sewage Plant/Hauler Name							
	Plant/Hauler Name	Permit/Registration No.						
	Cowboy Septic	21102						
0								
8.	REQUIREMENTS (Instructions, Page 45)	RCEMENT						
a.								
	REQUIREMENTS (Instructions, Page 45) Is the permittee currently required to meet any implementation so							
	REQUIREMENTS (Instructions, Page 45) Is the permittee currently required to meet any implementation so enforcement? □ Yes □ No	hedule for compliance or						
a.	REQUIREMENTS (Instructions, Page 45) Is the permittee currently required to meet any implementation so enforcement? ☐ Yes ☐ No	hedule for compliance or						
a.	REQUIREMENTS (Instructions, Page 45) Is the permittee currently required to meet any implementation so enforcement? □ Yes □ No Has the permittee completed or planned for any improvements or	hedule for compliance or construction projects?						
a. b.	REQUIREMENTS (Instructions, Page 45) Is the permittee currently required to meet any implementation so enforcement? Yes No Has the permittee completed or planned for any improvements or Yes No If yes to either 8.a or 8.b, provide a brief summary of the requirementaries.	hedule for compliance or construction projects? ments and a status update: Click to						
а. b. с.	REQUIREMENTS (Instructions, Page 45) Is the permittee currently required to meet any implementation so enforcement? Yes No Has the permittee completed or planned for any improvements or Yes No If yes to either 8.a or 8.b, provide a brief summary of the requirementary text.	hedule for compliance or construction projects? ments and a status update: Click to						
а. b. с.	REQUIREMENTS (Instructions, Page 45) Is the permittee currently required to meet any implementation so enforcement? Yes No Has the permittee completed or planned for any improvements or Yes No If yes to either 8.a or 8.b, provide a brief summary of the requirementary text. TOXICITY TESTING (Instructions, Page 45) ave any biological tests for acute or chronic toxicity been made on any	hedule for compliance or construction projects? ments and a status update: Click to						
a. b. c. 9. Hawa	REQUIREMENTS (Instructions, Page 45) Is the permittee currently required to meet any implementation so enforcement? Yes No Has the permittee completed or planned for any improvements or Yes No If yes to either 8.a or 8.b, provide a brief summary of the requirementary text. TOXICITY TESTING (Instructions, Page 45) ave any biological tests for acute or chronic toxicity been made on an acter in relation to the discharge within the last three years?	hedule for compliance or construction projects? ments and a status update: Click to any of the discharges or on a receiving						

Attachment: Click to enter text.

10. OFF-SITE/THIRD PARTY WASTES (Instructions, Page 45)

a.	Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?							
		Yes	\boxtimes	No				
	If yo	es, provid	le resp	onses to Items 10.b through 10.d below.				
	If no	o, proceed	d to It	em 11.				
b.	Atta	ich the fol	lowing	g information to the application:				
	•]	Identify tl Descriptio	he sou on of t	eceived (including volumes, characterization, a rces of wastes received (including the legal na he relationship of waste source(s) with the fac	me and addresses of the generators).			
	Atta	achment	: Click	k to enter text.				
C.	Is or facil	r will was lity's wast Yes	tewate ewate	er from another TCEQ, NPDES, or TPDES per r after final treatment and prior to discharge v No	mitted facility commingled with this ria the final outfall/point of disposal?			
	If y e facil	es, provid ity and a	le the r	name, address, and TCEQ, NPDES, or TPDES of any agreements or contracts relating to this	permit number of the contributing activity.			
	Atta	achment	: Clic!	t to enter text:				
d.	Is th	nis facility e an appro	a POT	TW that accepts/will accept process wastewate retreatment program under the NPDES/TPD	er from any SIU and has/is required to ES program?			
		Yes		No				
	If ye	es, Work	sheet	t 6.0 of this application is required .				
11	. R	ADIO	ACTI	VE MATERIALS (Instructions,	Pages 46)			
				e materials be mined, used, stored, or processe				
		Yes	\boxtimes	No				
	If y e mate	es, use the erials that	e follo t may l	wing table to provide the results of one analyst be present. Provide results in pCi/L.	is of the effluent for all radioactive			
Radioactive Materials Mined, Used, Stored, or Processed								
	Ra	dioactive	Mate	rial	Concentration (pCi/L)			
	_							
	-							

D.	materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?								
		Yes	⊠ No						
	res	iterials that sponse to Ite	may be p em 11.a.	resent	to provide the re . Provide results in the Dischar	n pCi/L. Do not i	sis of the effluent fonction	or all radioactive provided in	
Radioactive Material Concentration (pCi/L)									
							(p = 1/2)	
12	2. (COOLIN	G WAT	FER	(Instruction	ıs, Pages 46	-47)		
a.	Do	es the facilit	v use or 1	oropos	e to use water for	cooling purposes	32		
			No						
	If 1	o, stop her	e. If yes ,	compl	ete Items 12.b th	ru 12.f.			
o.	Co	oling water i	is/will be	obtair	and from a group	dwater source (e.ş	r on site well)		
٠.				Obtain	ied from a ground	awater source (e.ş	g., on-site weil).		
	_	v es , stop hei		contin	110				
		_		contin	uc.				
3.	Co	oling Water							
	i.	Provide the for cooling	name of	the ov	vner(s) and opera	itor(s) for the CW	IS that supplies or	will supply water	
					v	r(s) and Operator	r(c)		
		CWIS ID				(s) una operato			
		Owner							
		Operator							
	ii.	Cooling wa	ter is/wil	l be ob	tained from a Pu	blic Water Suppli	er (PWS)		
		□ Yes		No		one water suppir	CI (1 (10)		
					vide the PWS Re	gistration No. and	l stop here: <u>PWS N</u>	o. Click to enter	
			, , , , , , , , , , , , , , , , , , , ,						
	111.				tained from a rec	laimed water sou	rce?		
		☐ Yes		No	.1 .1 -				
		If no , conti	nue. If y	es, pro	vide the Reuse A	uthorization No. a	and stop here: Click	to enter text.	

NOTE: Item 13 is required only for existing permitted facilities.

13. PERMIT CHANGE REQUESTS (Instructions, Pages 49-50)

a.	Is the facility requesting a major amendment of an existing permit?					
	⊠ Yes □ No					
	If yes , list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request. Attach any supplemental information or additional data to support each request.					
	Increasing the application acres from 50 acres to 61 acres, increasing the average daily flow from 132,000 gallons per day to 192,000 gallons per day, amending the organic loading rate from lbs./acre/year to lbs./acre/day measured as biochemical oxygen demand (5-day) and amending the nitrogen loading rate from lbs./acre/year to lbs./acre/year measured as total nitrogen.					
b.	Is the facility requesting any minor amendments to the permit?					
	□ Yes ⊠ No					
	If yes , list and discuss the requested changes.					
	Click to enter text.					
c.	Is the facility requesting any minor modifications to the permit?					
	□ Yes ⊠ No					
	If yes , list and discuss the requested changes.					
	Click to enter text.					

WORKSHEET 3.0 LAND APPLICATION OF EFFLUENT

This worksheet is required for all applications for a permit to dispose of wastewater by land application.

TYPE OF DISPOSAL SYSTEM (Instructions, Page 70) 1.

Che	ck the box next to the type of land disposal requeste	ed by t	his application:
		od by th	application.
\boxtimes	Irrigation		Subsurface application
	Evaporation		Subsurface soils absorption
	Evapotranspiration beds		Surface application
	Drip irrigation system		Other, specify: Click to enter text.
2.	LAND APPLICATION AREA (Inst.	moti	one Dogo To)

Land Application Area Information

Effluent Application (gallons/day)	Irrigation Acreage (acres)	Describe land use & indicate type(s) of crop(s)	Public Access? (Y/N)
192,000	61	Coastal Bermudagrass is the primary crop and ryegrass as the cool weather crop.	N

ANNUAL CROPPING PLAN (Instructions, Page 70)

Attach the required cropping plan that includes each of the following:

- Cool and warm season plant species
- Breakdown of acreage and percent of total acreage for each crop
- Crop growing season
- Harvesting method/number of harvests
- Minimum/maximum harvest height
- Crop yield goals
- Soils map
- Nitrogen requirements per crop
- Additional fertilizer requirements
- Supplemental watering requirements
- Crop salt tolerances
- Justification for not removing existing vegetation to be irrigated

Attachment: 5

4. WELL AND MAP INFORMATION (Instructions, Page 71)

- a. Check each box to confirm the required information is shown and labeled on the attached USGS map:
 - ☐ The exact boundaries of the land application area

 - Waste-disposal or treatment facilities

 - Buffer zones
 - All surface waters in the state onsite and within 500 feet of the property boundaries
 - All water wells within ½-mile of the disposal site, wastewater ponds, or property boundaries
 - ☐ All springs and seeps onsite and within 500 feet of the property boundaries

Attachment: 6

b. List and cross reference all water wells located on or within 500 feet of the disposal site, wastewater ponds, or property boundaries in the following table. Attach additional pages as necessary to include all of the wells.

Well and Map Information Table

Well ID	Well Use	Producing? Y/N/U	Open, cased, capped, or plugged?	Proposed Best Management Practice
2 (State Well #3147802)	Public	Y	Cased	500-ft Buffer
4 (District ID #27625)	Domestic	Y	Cased	500-ft Buffer
7 (Plugging Report #28143)	Domestic	N	Plugged	N/A
8 (State Well #605326)	Public	Y	Cased	500-ft Buffer
14 (State Well #598116)	Domestic	Y	Cased	500-ft Buffer
17 (State Well #598115)	Domestic	Y	Cased	500-ft Buffer
21 (District ID #6371)	Domestic	Y	Cased	500-ft Buffer
35 (District ID #125643)	Public	Y	Cased	500-ft Buffer

Attachment: 6

c.	Groundwater monitoring wells or lysimeters are/will be installed around the land application site or
	wastewater ponds.

⊠ Yes □ No

If **yes**, provide the existing/proposed location of the monitoring wells or lysimeters on the site map attached for Item 4.a. Additionally, attach information on the depth of the wells or lysimeters, sampling schedule, and monitoring parameters for TCEQ review, possible modification, and approval.

Attachment: 6

d. Attach a short groundwater technical report using 30 TAC § 309.20(a)(4) as guidance.

Attachment: 6

5. SOIL MAP AND SOIL INFORMATION (Instructions, Page 72)

Check each box to confirm that the following information is attached:

- a. 🗵 USDA NRCS Soil Survey Map depicting the area to be used for land application with the locations identified by fields and crops
- b.

 Breakdown of acreage and percent of total acreage for each soil type
- c.

 Copies of laboratory soil analyses

Attachment: 7

6. LABORATORY ACCREDITATION CERTIFICATION (Instructions, Page 73)

Effective July 1, 2008, all laboratory tests performed must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification with the following general exemptions:

- a. The laboratory is an in-house laboratory and is:
 - i. periodically inspected by the TCEQ; or
 - ii. located in another state and is accredited or inspected by that state; or
 - iii. performing work for another company with a unit located in the same site; or
 - iv. performing pro bono work for a governmental agency or charitable organization.
- b. The laboratory is accredited under federal law.
- c. The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- d. The laboratory supplies data for which the TCEQ does not offer accreditation.

Review *30 TAC Chapter 25* for specific requirements. The following certification statement shall be signed and submitted with every application. See Instructions, Page 32, for a list of approved signatories.

I, Click to enter text, certify that all laboratory tests submitted with this application meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

Zel Bith

(Signature)

7. EFFLUENT MONITORING DATA (Instructions, Page 73)

Completion of Table 14 **is required** for all **renewal** and **major amendment** applications. Complete the table with monitoring data for the previous two years for all parameters regulated in the current permit. An additional table has been provided with blank headers for parameters regulated in the current permit which are not listed in Table 14.

Table 14 for Site No.: 1

Samples are (check one): \Box Composites \boxtimes Grabs

Date	Daily Avg	BOD_5	TSS	Nitrogen	Conductivity	Total	Hydraulic
(mo/yr)	Flow (gpd)	(mg/L)	(mg/L)	(mg/L)	(mmhos/cm)	acres irrigated	Application rate (acre-feet/month)
August 2022	106,500	21.1	N/A	26.2	N/A	50	5.76
July 2022	105,077	31.7	N/A	34.4	N/A	50	7.22
June 2022	106,607	33.6	N/A	38.1	N/A	50	8.80
May 2022	100,872	25.6	N/A	29.4	N/A	50	1.63
April 2022	99,889	45.1	134	20.2	N/A	50	8.84
March 2022	96,694	48.2	N/A	24.2	N/A	50	9.18
February 2022	94,359	49.7	N/A	12.9	N/A	50	4.79
January 2022	98,726	43.6	N/A	14.8	N/A	50	8.45
December 2021	96,242	41.3	N/A	13.6	N/A	50	7.21
November 2021	94,233	33.2	N/A	16.1	N/A	50	8.55
October 2021	86,655	33.3	N/A	24.8	N/A	50	5.17
September 2021	102,274	32.2	63.9	33.9	N/A	50	17.94
August 2021	101,472	34.7	N/A	34.3	N/A	50	6.08
July 2021	94,852	29.8	N/A	28.4	N/A	50	6.43
June 2021	88,043	23.8	N/A	28.6	N/A	50	6.82
May 2021	80,248	42.1	N/A	15.7	N/A	50	5.30
April 2021	81,008	42.2	51.8	14.4	N/A	50	7.90
March 2021	65,222	34.4	N/A	15.7	N/A	50	10.81
February 2021	100,240	32.6	N/A	15.3	N/A	50	1.51
January 2021	98,285	34.3	N/A	16.2	N/A	50	3.93
December 2020	86,615	39.8	N/A	16.4	N/A	50	2.83
November 2020	87,682	18.3	N/A	10.5	N/A	50	0.76

Date (mo/yr)	Daily Avg Flow (gpd)	BOD ₅ (mg/L)	TSS (mg/L)	Nitrogen (mg/L)	Conductivity (mmhos/cm)	Total acres irrigated	Hydraulic Application rate (acre-feet/month)
October 2020	83,504	20.5	117	13.2	N/A	50	4.61
September 2020	83,955	22.9	N/A	32.7	N/A	50	7.89
August 2020	83,040	17.8	N/A	13.8	N/A	50	6.68

Attach an explanation of all persistent excursions to permitted parameters and corrective actions taken.

Attachment: Click to enter text.

Use this table to provide effluent analysis for parameters regulated in the current permit which are not listed in Table 14.

Additional Parameter Effluent Analysis

Date (mo/yr)	Chloride (mg/L)	Sodium (mg/L)	Total Phosphorus (mg/L)	TDS (mg/L)	Oil & Grease (mg/L)	pH (SU)	
August 2022	N/A	N/A	N/A	N/A	0.0	8.20	
July 2022	N/A	N/A	N/A	N/A	0.0	8.2	
June 2022	N/A	N/A	N/A	N/A	5.7	8.3	
May 2022	N/A	N/A	N/A	N/A	0.0	8.28	
April 2022	999	813	15.2	2910	6.9	8.24	
March 2022	N/A	N/A	N/A	N/A	7.1	8.39	
February 2022	N/A	N/A	N/A	N/A	0.0	8.38	
January 2022	N/A	N/A	N/A	N/A	1.3	8.38	
December 2021	N/A	N/A	N/A	N/A	3.2	8.08	
November 2021	N/A	N/A	N/A	N/A	0.0	8.49	
October 2021	N/A	N/A	N/A	N/A	0.0	N/A	
September 2021	1500	949	4.9	3,500	0.0	8.46	
August 2021	N/A	N/A	N/A	N/A	0.0	8.29	
July 2021	N/A	N/A	N/A	N/A	0.0	8.37	
June 2021	N/A	N/A	N/A	N/A	0.0	8.24	
May 2021	N/A	N/A	N/A	N/A	0.0	8.28	
April 2021	N/A	842	1.3	2,540	0.0	8.44	
March 2021	N/A	N/A	N/A	N/A	0.0	8.50	
February 2021	N/A	N/A	N/A	N/A	0.0	8.64	
January 2021	N/A	N/A	N/A	N/A	1.68	8.64	
December 2020	N/A	N/A	N/A	N/A	0.0	8.62	
November 2020	N/A	N/A	N/A	N/A	0.0	8.57	
October 2020	N/A	968	3.8	2,480	0.0	8.16	
September 2020	N/A	N/A	N/A	N/A	0.0	8.16	
August 2020	N/A	N/A	N/A	N/A	0.0	8.21	

Attach an explanation of all persistent excursions to permitted parameters and corrective actions taken.

Attachment: Click to enter text.

POLLUTANT ANALYSIS (Instructions, Page 73)

- a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): 10/27/2022, 11/2/2022, 12/1/2022, 12/6/2022
- b. ⊠ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Completion of Tables 15 and 16 is required for all applications for the authorization of land application.

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	ND	31.6	31	25.6
CBOD (5-day)	ND	26.1	46.6	65.1
Chemical oxygen demand	140	669	672	713
Total organic carbon	52.5	67.2	117	64.9
Ammonia nitrogen	3.73	3.29	8.02	5.05
Total suspended solids	730	1280	750	753
Nitrate nitrogen	ND	1.94	0.587	0.578
Total organic nitrogen	9.57	26.4	8.38	7.85
Total phosphorus	10.4	9.61	12.1	12.0
Oil and grease	7.4	10.1	11.2	6.02
Total residual chlorine	0.921	0.930	ND	0.823
Total dissolved solids	4020	3810	3780	3000
Sulfate	191	181	131	123
Chloride	1280	1320	1050	1050
Fluoride	ND	ND	ND	ND
Fecal Coliform (cfu/100 mL)	1900	800	300	500
Specific conductance (mmhos/cm)	5410	5560	5080	4950
pH (standard units; min/max)	8.68	9.04	8.52	8.4
Soluble sodium	1110	1000	980	1020
Soluble calcium	63.6	55-4	59.3	61.9
Soluble magnesium	42.9	37.5	37.9	38.3
SAR (unitless)	22.6	23.4	20.2	21.6

Table 16: for Site No.: 1; Samples are (check one):

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (μg/L)
Aluminum, total	3.80	4.18	4.03	4.31	2.5
Antimony, total	ND	ND	ND	ND	5
Arsenic, total	ND	ND	ND	ND	0.5
Barium, total	0.0775	0.0785	0.0847	0.0835	3
Beryllium, total	ND	ND	ND	ND	0.5
Boron, total	ND	ND	ND	ND	20
Cadmium, total	ND	ND	ND	ND	1
Chromium, total	ND	ND	ND	ND	3

Composites ⊠ Grabs

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (μg/L)
Chromium, hexavalent	ND	ND	ND	ND	3
Chromium, trivalent	ND	0.00350	ND	ND	N/A
Copper, total	ND	ND	ND	ND	2
Cyanide	ND	ND	ND	ND	2/10
Lead, total	ND	ND	ND	ND	0.5
Mercury, total	ND	ND	ND	ND	0.005/0.0005
Nickel, total	ND	ND	0.0146	0.0115	2
Selenium, total	ND	ND	ND	ND	5
Silver, total	ND	ND	ND	ND	0.5
Thallium, total	ND	ND	ND	ND	0.5
Zinc, total	0.117	0.119	0.173	0.154	5.0

WORKSHEET 3.1 SURFACE LAND APPLICATION AND EVAPORATION

This worksheet is required for all applications for a permit to dispose of wastewater by surface land application or evaporation.

EDWARDS AQUIFER (Instructions, Page 74)

a. Is the facility subject to 30 TAC Chapter 213, Edwards Aquifer Rules?						
	□ Yes ⊠ No					
	If no , proceed to Item 2. If yes , complete Items 1.b and 1.c.					
b.	Check the box next to the subchapter applicable to the facility.					
	\square 30 TAC Chapter 213, Subchapter A					
	\square 30 TAC Chapter 213, Subchapter B					
c.	If 30 TAC Chapter 213, Subchapter A applies, attach either : 1) a Geologic Assessment (if conducted in accordance with 30 TAC § 213.5) or 2) a report that contains the following information:					

- § 213.5) **or** 2) a report that contains the following information:
 - A description of the surface geological units within the proposed land application site and wastewater pond area.
 - The location and extent of any sensitive recharge features in the land application site and wastewater pond area
 - A list of any proposed BMPs to protect the recharge features.

Attachment: Click to enter text.

SURFACE SPRAY/IRRIGATION (Instructions, Pages 74-75) 2.

a. Provide the following information on the irrigation operations:

Area under irrigation (acres): 61

Design application rate (acre-ft/acre/yr): 3.53

Design application frequency (hours/day): 24

Design application frequency (days/week): 7

Design total nitrogen loading rate (lbs nitrogen/acre/year): 340

Average slope of the application area (percent): 2.1

Maximum slope of the application area (percent): 3.0

Irrigation efficiency (percent): 85

Effluent conductivity (mmhos/cm): 5410

Soil conductivity (mmhos/cm): see attachment 7

Curve number: 71

Describe the application method and equipment: Center Pivot Systems

b. Attach a detailed engineering report which includes a water balance, storage volume calculations, and a nitrogen balance.

Attachment: 9

3. EVAPORATION PONDS (Instructions, Page 75)

- a. Daily average effluent flow into ponds: N/A gallons per day
- b. Attach a separate engineering report of evaporation calculations for average long-term and worst-case critical conditions.

Attachment: Chek to enter text.

4. EVAPOTRANSPIRATION BEDS (Instructions, Page 75)

a. Provide the following information on the evapotranspiration beds:

Number of beds: N/A

Area of bed(s) (acres): Click to enter text.

Depth of bed(s) (feet): Click to enter test.

Void ratio of soil in the beds: Click to enter text.

Storage volume within the beds (include units): Chek to enter text.

Description of any lining to protect groundwater: Click to enter text.

b. Attach a certification by a licensed Texas professional engineer that the liner meets TCEQ requirements.

Attachment: Click to enter text.

c. Attach a separate engineering report with water balance, storage volume calculations, and description of the liner.

Attachment: Click to enter text.

5. OVERLAND FLOW (Instructions, Page 75)

a. Provide the following information on the overland flow:

Area used for application (acres): N/A

Slopes for application area (percent): Click to enter text.

Design application rate (gpm/foot of slope width): Click to enter text.

Slope length (feet): Click to enter text.

Design BOD₅ loading rate (lbs BOD₅/acre/day): Click to enter text.

Design application frequency (hours/day): Click to enter text.

Design application frequency (days/week): Click to enter text.

b. Attach a separate engineering report with the method of application and design requirements according to 30 TAC \S 217.212.

Attachment: Click to enter text.

ATTACHMENT A - APPLICATION FEE

Shopping Cart

Sulect Fee

Search Transactions

Sign Out

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

Transaction Information-

Trace Number: 582EA000512353

Date: 11/07/2022 12:28 PM

Payment Method: CC - Authorization 000005031G

ePay Actor: COREY MULLIN Actor Email: cmullin@enviroag.com

IP: 108.161.11.143

TCEQ Amount: \$350.00 Texas.gov Price: \$358.13*

Payment Contact Information

Name: COREY MULLIN

Company: ENVIRO-AG ENGINEERING Address: 9855 FM 847, DUBLIN, TX 76446

Phone: 254-485-3892

Cart Items

Click on the voucher number to see the voucher details

Ш.		and the state of the vocation details.		
	Voucher	Fee Description	AR Number	Amount
	600355	WW PERMIT - MINOR FACILITY NOT SUBJECT TO 40 CFR 400-471 - MAJOR AMENDMENT		\$300.00
	600356	30 TAC 305.53B WQ NOTIFICATION FEE		\$50.00
			TCEQ Amount:	\$350.00

ePay Again Exit ePay

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

Site Help | Disclaimer | Web Policies | Accessibility | Our Compact with Texans | TCEQ Homeland Security | Contact Us Statewide Links: Texas.gov | Texas Homeland Security | TRAIL Statewide Archive | Texas Veterans Portal

© 2002-2022 Texas Commission on Environmental Quality

^{*} This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

ATTACHMENT B - CORE DATA FORM



TCEQ Use Only

TCEQ Core Data Form

		nstructions regardi neral Inform		n of this	form, pleas	e read	the Core I	Data	Form Instructions	or call 512-	239-5175.	
		ssion (If other is o					•					
☐ New Per	rmit, Reg	istration or Authori	zation (<i>Core</i> i	Data Fo	rm should b	e subn	nitted with	the p	program applicatio	n.)		
Renewal (Core Data Form should be submitted with the renewal form)						m)	Other Major Amendment with Permit Renewal					
2. Customer	Referen	ce Number <i>(if is</i> s	ued)	Follow	this link to s	earch	3. Regu	3. Regulated Entity Reference Number (if issued)				
CN 602630972				for CN or RN numbers in Central Registry**			RN 102780665					
SECTION	II: Cı	ustomer Info	<u>ormation</u>									
4. General C	ustomer	Information	5. Effective	Date fo	or Custome	er Info	mation U	pdat	es (mm/dd/yyyy)	01/11	/2023	
☐ New Cust☐ Change in		ame (Verifiable wit			to Custome y of State o			ller of		Regulated I	Entity Ownership	
										rrent and	active with the	
		of State (SOS)										
		ame (If an individua							stomer, enter previ	ous Custom	er below:	
Schreiber	Foods,	Inc.										
7. TX SOS/CF	PA Filing	Number	8. TX State	e Tax ID (11 digits)			9. F	9. Federal Tax ID (9 digits)			10. DUNS Number (if applicable)	
000514770	06		3000582	5481				No.				
11. Type of C	ustomer	r: 🛛 Corporati	on		☐ Individual Partners			rtnership: 🔲 Gener	ership: General Limited			
Government:	☐ City ☐	County Tederal] State ☐ Other	г	☐ Sole	Proprie	torship	rship Other:				
12. Number o	of Emplo 21-100		251-500	☐ 13. Independently Owned and Operated? ☐ 501 and higher ☐ Yes ☐ No				ted?				
14. Custome	r Role (P	roposed or Actual) -	as it relates to	the Reg	ulated Entity	listed o	n this form.	Pleas	se check one of the	following		
Owner Occupation	nal Licens	☐ Operat see ☐ Respo	or nsible Party		⊠ Owner □ □ Volunta	•	ator ınup Appli	cant	Other:			
	P.O. I	3ox 19010										
15. Mailing Address:												
	City	Green Bay		St	ate W		ZIP 5	543()7	ZIP + 4	9010	
16. Country Mailing Information (if outside USA)					"	17. E	-Mail Ad	-Mail Address (if applicable)				
18. Telephone Number				19. Extension or Code			20. Fax Number			r (if applicable)		
(920) 455-6109									(920) 455-2200			
SECTION	III: R	egulated En	tity Info	rmati	on							
						elected	d below th	is for	m should be accor	mpanied by	a permit application)	
☐ New Regu			to Regulated		-				Entity Information		, pp. cansny	
The Regula	ated En	tity Name sub endings such	mitted may	be up	odated in	orde	to mee	t TC	EQ Agency Da	ata Stand	lards (removal	

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)

r													
Schreiber Food	ds												
23. Street Address	. of	923 CR	176										
the Regulated Ent													
(No PO Boxes)		City	Stephe	nville	State	TX		ZIP	76401		ZIP + 4		
24. County		Erath	30018674.0	000 7000	10	1 111			70101				
		Er	nter Physic	cal Loca	ation Descript	ion if no s	tree	t address	is provid	led.			
25. Description to Physical Location	:			===									
26. Nearest City									State		Ne	arest ZIP Code	
Stephenville						- 7.			TX		76	5401	
27. Latitude (N) In	Decima	I:				28.	Lon	gitude (V	V) In Deci	mal:			
Degrees		Minutes		Sec	onds	Deg	rees		Mir	nutes		Seconds	
32		1	.5		46.07			98		1	1	18.21	
29. Primary SIC Co	ode (4 dig	pits) 30. S	Secondary	SIC Co	de (4 digits)	31. Primary NAICS (5 or 6 digits)			ode	32. Secondary NAICS Code (5 or 6 digits)		VICS Code	
2022		202				31151	3			3151	4		
33. What is the Pri					not repeat the SIC	or NAICS de	escrip	tion.)		·			
Manufacture/P	rocess	ing of C	heese P	roduct	S								
34. Mailing	-					9	23 C	R 176					
Address:					VI								
		City Stephenville		nville	State TX			ZIP	76	401	ZIP + 4		
35. E-Mail Add	dress:				Р	aul.Bythev	way@	@schreib	erfoods.c	om			
36. Te	elephon	e Number			37. Extension	on or Code	е		38.	Fax Nur	nber <i>(if app</i>	licable)	
9)	920) 45	5-6109								(92	0) 455-2200		
9. TCEQ Programs a orm. See the Core Data	and ID N Form ins	lumbers C tructions for	heck all Pro	grams an uidance.	d write in the pe	ermits/registr	ration	numbers	that will be	affected	by the updates	s submitted on this	
☐ Dam Safety		☐ Districts) 		☐ Edwards Aqu	uifer] [Emissic	ns Inventor	y Air	☐ Industria	al Hazardous Waste	
☐ Municipal Solid Wa	ste	☐ New Source Review Air ☐ OSSF]	Petrole	ım Storage	Tank	☐ PWS				
Sludge		Storm V	Water Title V Air			Tires				Used Oil			
☐ Voluntary Cleanup		Waste V	Water			A ariaultura	ioulturo Diebto				D Other		
voluntary cleanup		WQ00036			Agriculture	☐ Water Rights				Other:			
SECTION IV:	Prop			ion					=				
40.	ттер	arer III	<u> 101 mai</u>	1011				A					
Name: Corey M	ne: Corey Mullin 41. Title: Consultant												
42. Telephone Numl	ber 43	Ext./Code	e 44	. Fax Nı	umber	45. E-N	Viail .	Address					
(254) 485-3892			(2	254) 9	65-8000	cmul	lin(@envir	oag.com	l			
ECTION V:	Auth	orized S	Signatu	re									
6. By my signature b gnature authority to s lentified in field 39.	elow, I	certify, to t	he best of r	—— ny knov	vledge, that the specified in S	e informatio Section II, F	on pr Field	rovided in 6 and/or	this form as require	is true a	and complete updates to the	, and that I have he ID numbers	
Company:	Schreibe	r Foods In	IC.			Job Titl	۵.	Plant	Plant Manager				
Schreiber Foods, Inc.					JOD TIL		Plant Manager						

Name (In Print):	Paul Batkins	Phone:	(254) 552- 7717
Signature:	2-l Boten	Date:	2/3/23

ATTACHMENT C - 7.5-MINUTE USGS MAPS

C.1 Stephenville and Knob Hill, Texas Quadrangles

The 7.5-minute quadrangle maps show the plant site, irrigation sites and a 1-mile radius.

ATTACHMENT D - ADJACENT LANDOWNERS

D.1 Adjacent Landowners List

Table D.1 lists the adjacent landowners names and addresses corresponding to the map in Figure D.1.

D.2 Adjacent Landowners Map

Figure D.1, Adjacent Landowners Map, shows the properties adjacent to the facility property boundary, as obtained from the Erath County Appraisal District (CAD).

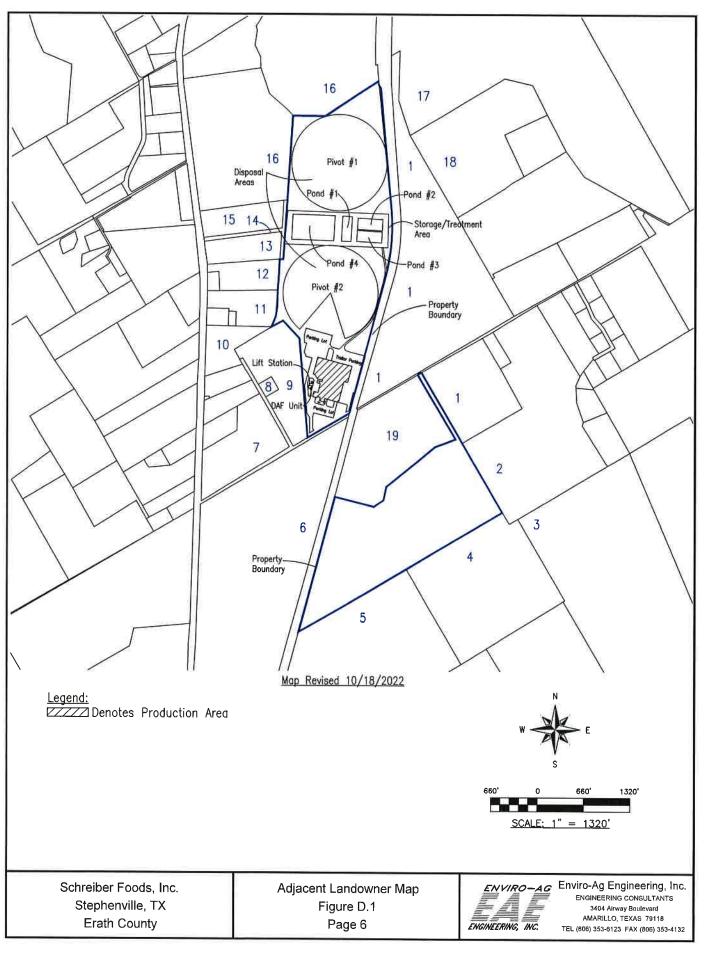
TABLE D.1 ADJACENT LANDOWNERS LIST

Name Will Collaboration of the Market State of the State	
Name: Nell Gordon Properties LLC, Marcia Series	Name: <u>Jacob & Kayla Vanden Berge</u>
Number on Map 1	Number on Map 2
Address: Marcia Lynn Griffin	Address: <u>2345 CR 177</u>
Address: 114 Byron Nelson St.	Address: Stephenville, TX 76401
Address: Stephenville, TX 76401	
Name <u>Jack E & Ellen Vanden Berge</u>	Name: Rose Tina Reese
Number on Map 3	Number on Map 4
Address: 404 Morgan Mill Rd	Address: 9600 Divot Dr.
Address: Stephenville, TX 76401	Address: Granbury, TX 76049
Name: Curtis Bolling Allen Trust & Richard Bolling	Name: Board of Regents of the TX A&M
Number on Map 5	University System
Address: Gary Bolling Trustee	Number on Map 6
Address: 1530 Bates	Address ATTN: System Real Estate
Address: Stephenville, TX 76401	Address 301 Tarrow Street 6th Floor
	Address College Station, TX 77840-7896
Name: Bachus Brothers Trust	Name: Brazos Electric Power Coop Inc.
Number on Map 7	Number on Map 8
Address: PO Box 552	Address: PO Box 2585
Address: Stephenville, TX 76401	Address: Waco, TX 76702-2585
<u>=====================================</u>	Maco, 17/0/02-2505
Name: Top Dog Realty, LLC	Name: Zeb R & Sharon M Cummins
Number on Map 9	Number on Map <u>10</u>
Address: PO Box 590	Address: 176 Brock Springs Ln.
Address: Cabool, MO 65689	Address: Weatherford, TX 76087-4073
Name: Poukhovski Dmitri & Angelique Denneman	Name: Rodney W Rutledge
Number on Map 11	Number on Map 12
Address: 4250 N US Hwy 281	Address: 4324 N US Hwy 281
Address: Stephenville, TX 76401-9272	Address: Stephenville, TX 76401-9786
Name: Sowle Tyler & Kaitlin Sowle	Name: Collier & Son Inc
Number on Map 13	Number on Map 14
Address: 4552 N US Hwy 281	Address: 2240 Overhill Rd.
Address: Stephenville, TX 76401	Address: Stephenville, TX 76401
Name: Manuel & Tandi Remy	Name: Lawrence Dean & Gloria Taylor
Number on Map 15	Number on Map 16
Address: 4630 N US Hwy 281	Address: PO Box 137
Address: Stephenville, TX 76401	Address: Stephenville, TX 76401-0000
Name: Frazier Paradox Ranch, LLC	Name: John R & Sharon A Nicholson
Number on Map 17	Number on Map 18
Address: 3493 CR 176	Address: 1509 Southwood Blvd
Address: Stephenville, TX 76401	Address: Arlington, TX 76013-5005
Name: CDS STXDC 2021 LLC	
Number on Map 19	
Address: 125 Camelot Dr Address: Fond Du Lac, WI 54935	
Addmong Familia I. Latter and	IV.

Please identify where you obtained the landowner information:

Erath County Appraisal District; October 2022

Facility Name: Schreiber Foods, Inc.



ATTACHMENT E - PHOTOGRAPHS

E.1 Photograph Location Map

Figure E.1, Photograph Location Map, shows the location of each photograph and the direction the camera was facing when the photograph was taken.

E.2 Photographs

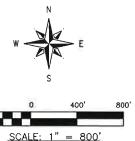
Figures E.2a-b, Photographs, are original photographs of the effluent disposal sites and production area.



Map Generated 11/8/2022

Legend:

Denotes Photograph Location



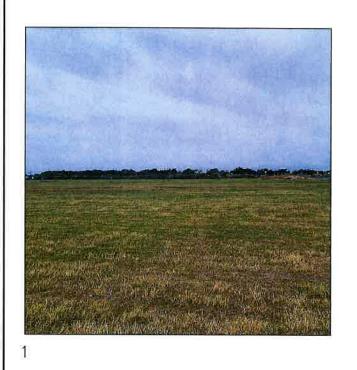
Source: USDA-NRCS. Geospatial Data Gateway. Available at: http://datagateway.nrcs.usda.gov/. Digital Raster Graphic County Mosaic by NRCS — Accessed November 2017.

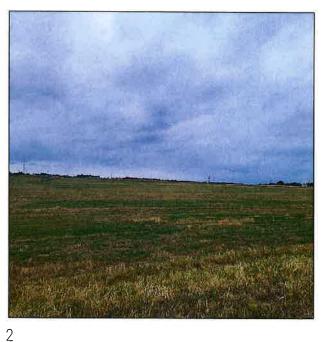
Schreiber Foods, Inc. Stephenville, TX **Erath County**

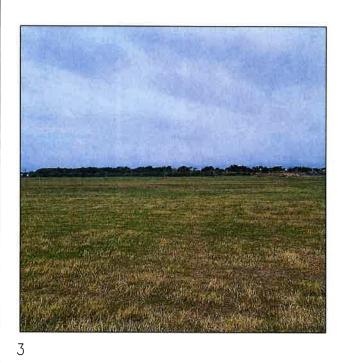
Photograph Location Map Figure E.1 Page 8

ENGINEERING, INC.

ENVIRO – AG Enviro-Ag Engineering, Inc. ENGINEERING CONSULTANTS 3404 Airway Boulevard AMARILLO, TEXAS 79118 TEL (806) 353-6123 FAX (806) 353-4132









Schreiber Foods, Inc. Stephenville, Texas Erath County

Photographs Figure E.2a Page 9

ENGINEERING, INC.

ENVIRO—AG Enviro-Ag Engineering, Inc.

ENGINEERING CONSULTANTS

3404 Airway Boulevard

AMARILLO, TEXAS 79118

TEL (806) 353-6123 FAX (806) 353-4132





Schreiber Foods, Inc. Stephenville, Texas Erath County Photographs Figure E.2b Page 10



Enviro-Ag Engineering, Inc.
ENGINEERING CONSULTANTS
3404 Airway Boulevard
AMARILLO, TEXAS 79118
TEL (806) 353-6123 FAX (806) 353-4132

ATTACHMENT 1 - FACILITY/SITE INFORMATION AND MAPS

1.1 Process Flow Diagram

Figure 1.1, Process Flow Diagram, provides an overall schematic of the plant processes at the site.

1.2 Vicinity Map

Figure 1.2, Vicinity Map, is a general highway map generated in AutoCAD using Tiger Primary and Secondary roads data from geospatial Data Gateway at http://datagateway.nrcs.usda.gov/ (retrieved 2022). The location of the facility is depicted on the map.

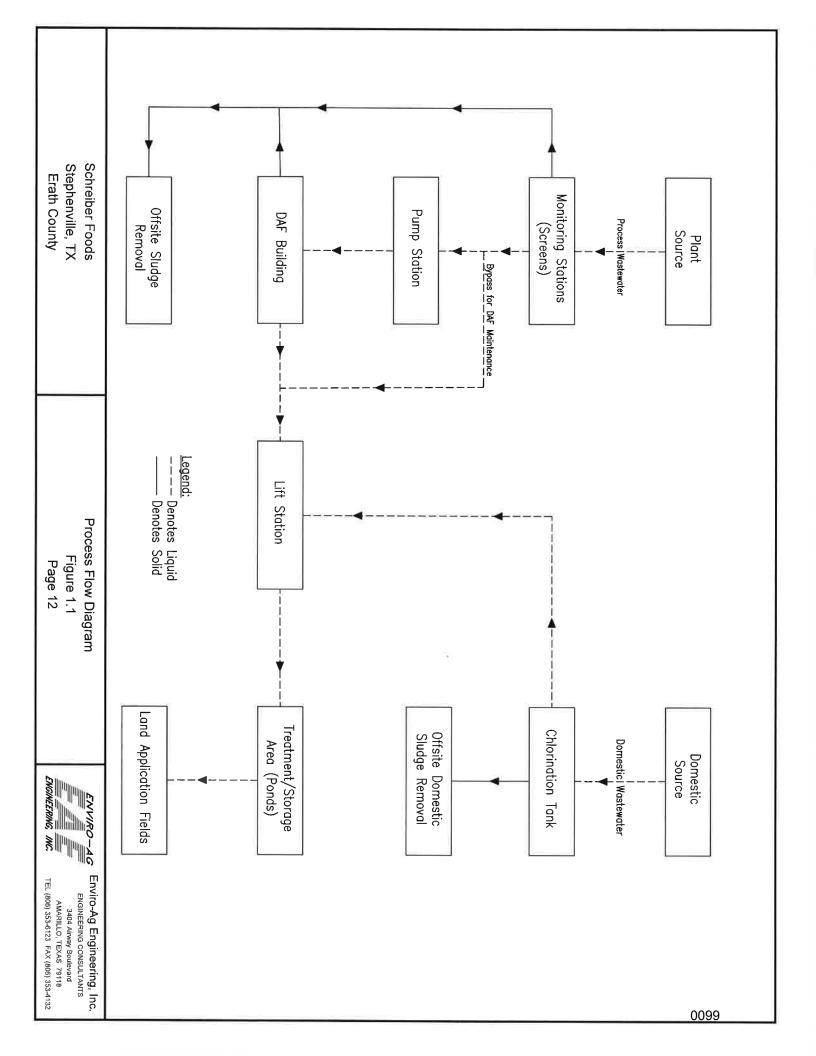
1.3 7.5 Minute USGS Map

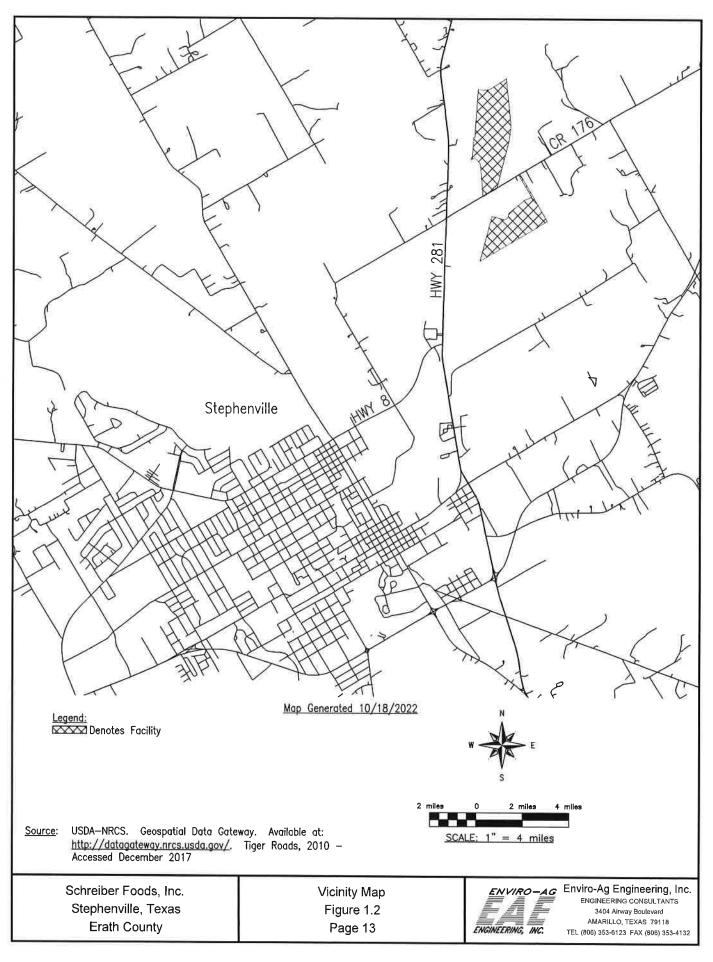
Figure 1.3, entitled 7.5 Minute USGS Map, is a seamless, high-quality copy of the 7.5-Minute USGS quadrangle map (Stephenville and Knob Hill, TX quadrangle) that shows the boundary of the land owned, operated, or controlled by the facility and used as part of the application; and all springs, lakes, or ponds located on-site and within 1 mile of the property boundary.

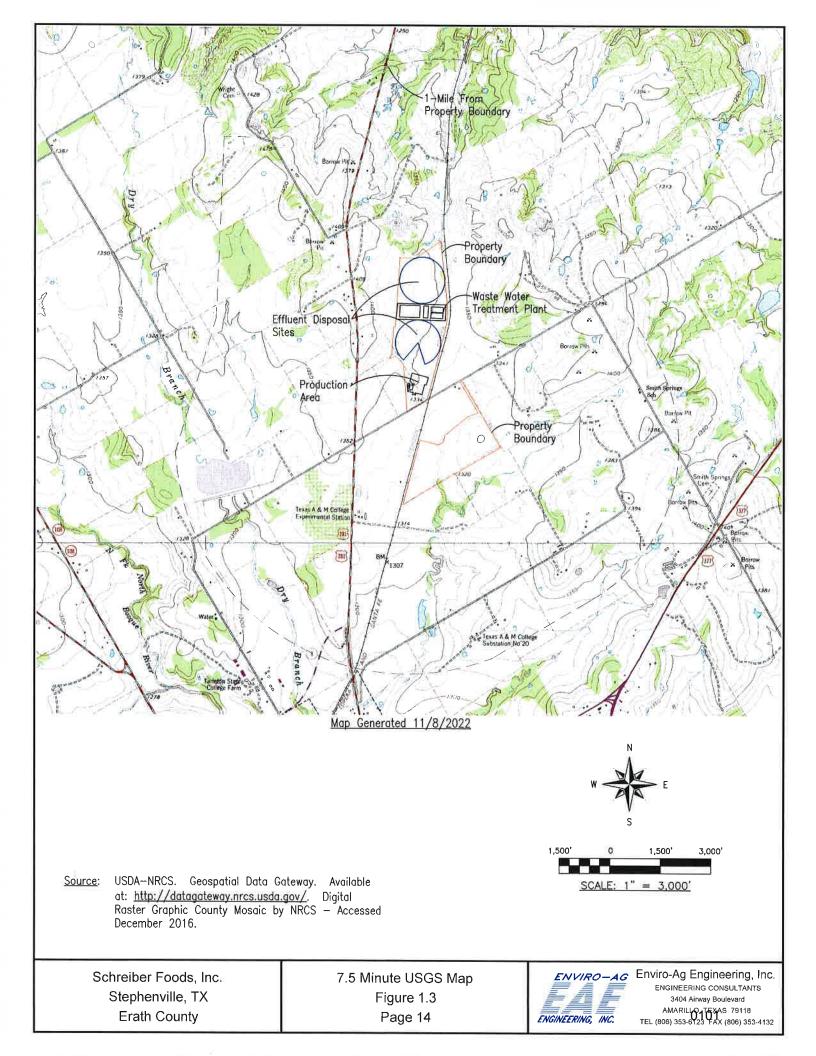
1.4 Site Map

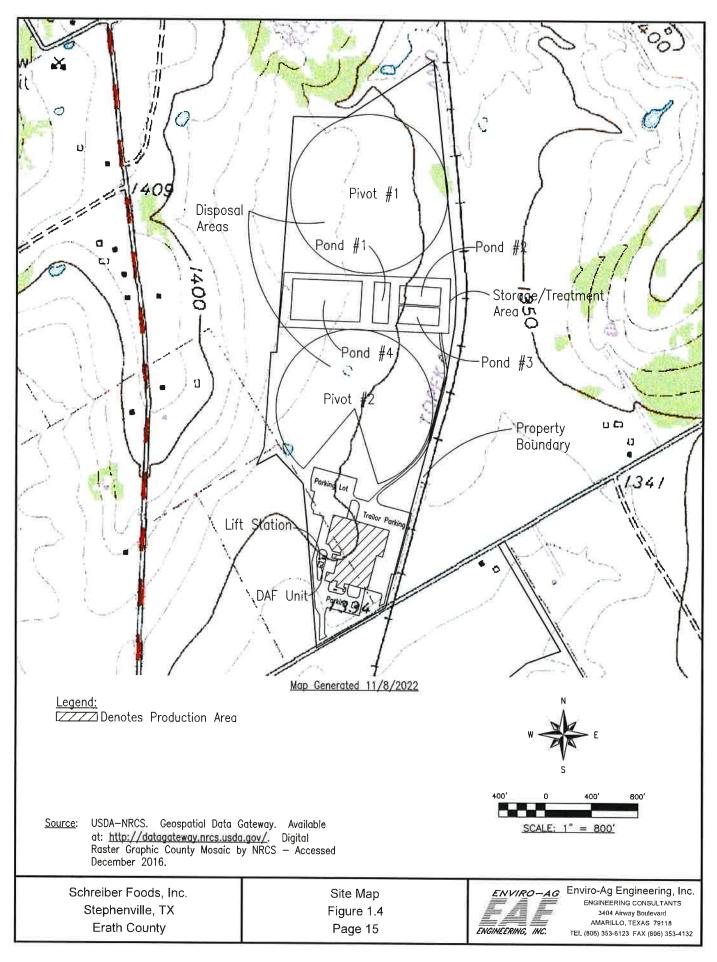
Figure 1.4, Site Map, is a scaled drawing of the entire property to be permitted showing the locations of the following:

- Production Area
- Storage/Treatment Area
- Waste Disposal Areas









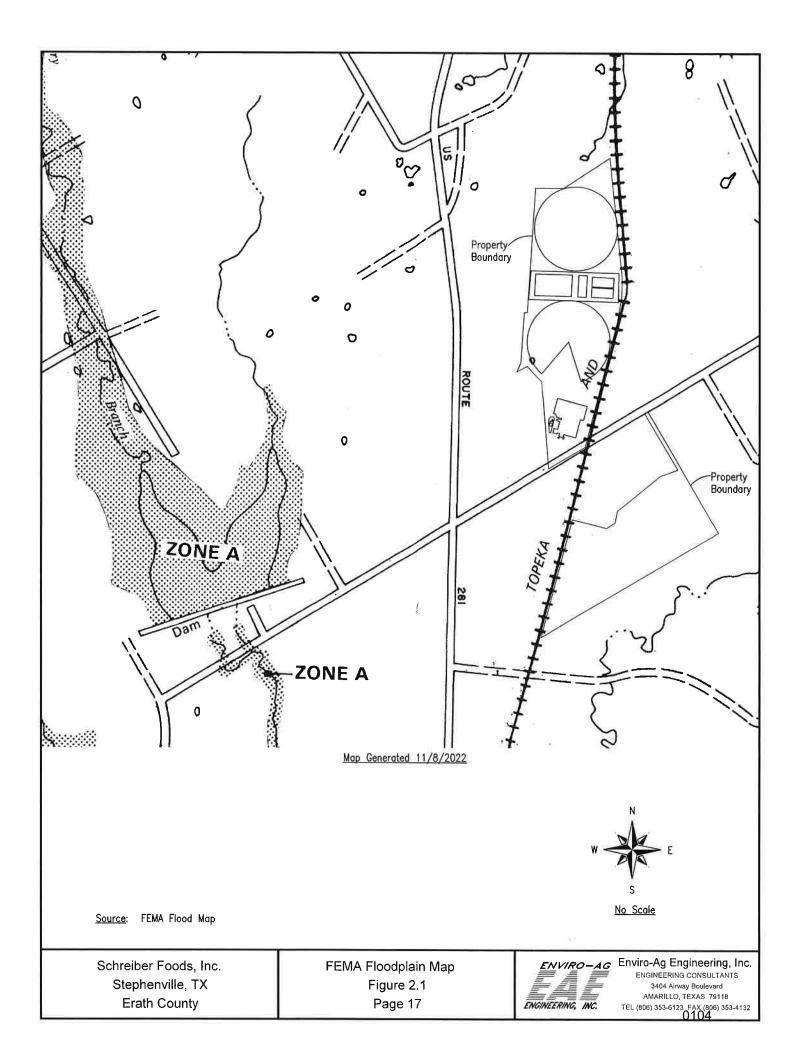
ATTACHMENT 2 - FLOODPLAIN INFORMATION

2.1 FEMA Floodplain Map

Figure 2.1, FEMA Floodplain Map, shows the production area and waste disposal areas overlain on a copy of the FEMA map panels for this area of Erath County.

2.2 Protective Measures

According to the FEMA Floodplain map for Erath County, the production area and waste disposal areas are not located in a 100-year floodplain area.



ATTACHMENT 3 - IMPOUNDMENT FACILITY & LINER/GEOLOGY INFORMATION

Documentation on the existing facility impoundments was taken from onsite facility files and previous TCEQ applications. The documentation is included as an attachment to this section.

Schreiber Foods, Inc.

Exhibit XVII

North and South Pond Data

BOUTHWESTERN LABOR TORIES

AMPI - Stephenville, TX

st Location	North	South	Minimum Requiremen
il Description			
Color	Yellow & Gray	Yellow & Gray	
Texture	Sandy Lean Clay	Sandy Lean Clay	
Juified Classification	CL	CL	
nple Depth, Inches	24	24	24
terberg Limits			
Liquid Limit, %	33	32	30
Plastic Limit, %	14	14	
Plasticity Index	19	18	15
ssing No. 200 Sieve, %	89.6	81.1	30
instant Head Permeability, cm/sec.	1.2×10 ⁻⁸	2.3×10^{-8}	1.0x1.07
Molded Density, pcf	113.7	110.2	
Molded Moisture, %	18.5	19.4	

Report No. 901604

Schreiber Foods, Inc.

Exhibit XVI

Pond #3 Data

John Hall. Chairman

Pam Reed, Commissioner

Peggy Garner, Commissioner

Anthony Grigsby, Executive Director



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

September 5, 1994

Mr. Kenneth L. Petersen, Jr. Small, Craig, & Werkenthin 100 Congress Ave., Suite 1100 Austin, Texas 78701-4099

RE: AMPI Stephenville Facility (Permit No. 03074) Liner Plan Approval

Dear Mr. Petersen:

We have received the engineering drawings and technical specifications for the liner requirements for the new wastewater lagoon to be constructed at the Stephenville Facility submitted with your letter dated 9/2/94 and a letter from Mr. Cliff Lutz, P.E. dated 9/1/94. These materials were submitted to satisfy the requirements of Special Provision 9.F of Permit No. 03074.

Review of these materials indicates that the proposed liner is in accordance with the provisions of the permit as stated below:

(i) The soil liner shall contain at least 3 feet of clay-rich (liquid limit greater than or equal to 30 and plasticity index greater than or equal to 15) soil material along the sides and bottom of the pond, lagoon or impoundment compacted in lifts of no more than 9 inches, to 95% standard proctor density at the optimum moisture content to achieve a permeability equal to or less than 1 x 10.7 cm/sec.

Upon that basis, the pond liner plans are approved. Within 60 days of completion of construction of the new lagoon, the engineer must provide written certification to the Permitting Section of the Watershed Management Division that the pond liner meets these specifications.

Sincerely.

Karen D. Cleveland, P.E.

Permitting Section

KDC

cc: Cliff Lutz, P.E. - AMPI Frank Kelly - AMPI

P.O. Box 13087 - Austin, Texas 78711-3087 - 512/239-1000



ASSOCIATED MILK PRODUCERS, INC. Southern Region

December 29, 1994

Karen Cleveland
Texas Natural Resource Conservation Commission
Industrial Permits Section
Watershed Management Division
Room 286, Building F
12015 North IH-35
Austin, TX 78753

Reference:

AMPI Stephenville Facility

TNRCC Permit Number 03074

Dear Ms. Cleveland:

The Associated Milk Producers, Incorporation (AMPI) are pleased to submit certification required by our amended wastewater permit.

The certification is that our new lagoon liner complies with TNRCC specifications. Certification is required by VI Special Provisions, Item 9.A. of the permit.

Please find enclosed results of testing.

Sincerely,

ASSOCIATED MILK PRODUCERS, INC.

Frank Kelly

Environmental Engineer

FK/cs

enclosure

cc: Paul Walter, AMPI Ned French, AMPI Thomas Rack, AMPI Gary Christian, AMPI

Huntingdon/SWL

December 23, 1994

Number of the Control of the Control

Texas Natural Resource Conservation Commission Room 286, Building "F" 12015 North IH-35 Austin, Texas 78753

Attn: Ms. Karen Cleveland

Industrial Permits Section Watershed Management Division

Re: Associated Milk Froducers, Inc. Erath County, Texas

Dear Ms. Cleveland:

Huntingdon/SWL has completed sampling and testing of the soils exposed in a wastewater retention ponds at the Associated Milk Producers, Inc.; Erath County. The test results including sample thickness, Atterberg limits, percent passing the number 200 sieve in-place density and permeability, are tabulated on the attached report. Our findings indicate the soils meet the criteria established by the Texas Water Commission.

Very truly yours,

HUNTINGDON/SWL

Kemp E. Akeman, P.E. No. 19 Operations Manager, Fort

tm

Submitted by: Associated Milk Producers, Inc.

Signed by:

Date:

Huntingdon/SwL Report No. 406948

۵

ASSOCIATED MILK PRODUCERS, INC.
POND NUMBER 3

	1					
TEST LOCATION	HOTO #2	HOLG #2	Hole #2		No. 5-Dam	No. 5-Dam Minimum
soil Description	•	0.	NO.	Northelde	Northside	Requirements
Color	Reddish Brown	Reddish Brown	Reddish Brown	Reddish Brown	Reddish Brown	
Texture	Clay	Clay	Clay	Clay	Clay	
Unified Classification	Fine	Fine	Fine	Fine	Fine	
Sample Depth	0-1'	1'-2'	2'-3'	0'-2'	2'-3'	36"
Atterberg Limits						
Liquid Limit, (%)	39	40	38	48	47	30
Plastic Limit, (%) Plasticity Index	19 20	20	18 20	19 29	21 26	15
Passing No. 200 Sieve, (%)	74.1	69.0	72.0	77.0	76.0	30
Permeability (cm/sec.)	3.2x10 ⁻⁸	3.2x10 ⁻⁸ 3.2x10 ⁻⁸ 3.2x10 ⁻⁸ 3.2x10 ⁻⁸	3.2x10 ⁻⁸		3.2x10 ⁻⁶	1.0x10 ⁻⁷

Huntingdon/SwL Report No. 406948

ASSOCIATED MILK PRODUCERS, INC.
POND NUMBER 3

Permeability (cm/sec.)	Passing No. 200 Sieve, (%)	Liquid Limit, (%) Plastic Limit, (%) Plasticity Index	Atterberg Limits	Sample Depth	Unified Classification	Texture	Color	TEST LOCATION Soll Description
3.2x10 ⁻⁸	79.2	51 22 29		0-1'	Fine	Clay	Reddish Brown	Hole #1
3.2x10 ⁻⁸ 3.2x10 ⁻⁸ 3.2x10 ⁻⁸	83.2	32 17 15		1'-2'	Fine	Clay	Reddish Brown	Hole #1
	72.0	37 18 19		2'-3'	Fine	Clay	Reddish Brown	Hole #1
3.2x10 ⁻⁸	69.0	43 22 21		0'-2'	Fine	Clay	Reddish Brown	Hole #1 No. 4-Dam No. 3 Southside
3.2x10 ⁻⁸	71.0	47 23 24		2'-3'	Fine	Clay	Reddish Brown	
1.0×10-7	30	30		36"				No. 5-Dam Minimum Southside Requirements

Huntingdon/SWL Report No. 406948



Corporate Office: 3404 Airway Blvd. Amarillo TX 79118

Central Texas: 9855 FM 847 Dublin TX 76446 New Mexico: 203 East Main Street Artesia NM 88210

November 23, 2020

TCEQ Industrial Permits Team, MC-148 P.O. Box 13087 Austin, TX 78711-3087

Re:

As-Built Drawing and Certifications of Additional Holding Pond (Pond #4) to Satisfy Item S of the Special Provisions of Permit No. WQ0003074000 for Schreiber Foods, Inc., Erath, Texas

Dear Sir or Madam.

Attached you will find the as-built capacity certification and soil liner certification for a new irrigation holding pond (Pond #4) meeting the requirements of Item S of the Special Provisions of Permit No. WQ0003074000. The pond was constructed in accordance with the approved plans/specifications per the attached TCEQ letter dated December 11, 2019 and in compliance with Item H of the Special Provisions in the permit. Please accept the attached documentation and pond certifications to satisfy the requirement of Item S of the Special Provisions of the permit.

If you have any questions, please do not hesitate to contact me at 806-350-5458 or by email at eemerine@enviroag.com.

Respectfully Submitted,

Erick Emerine, P.E.

Enviro-Ag Engineering, Inc.

Encl: Pond #4 As-Built Capacity Certification and Soil Liner Certification w/ Support Docs

Cc: TCEQ Compliance Monitoring Team

Schreiber Foods, Inc.

EAE file

PHONE: 800-753-6525

www.enviroag.com



Corporate Office: 3404 Airway Blvd. Amarillo TX 79118

Central Texas: 9855 FM 847 Dublin TX 76446 New Mexico: 203 East Main Street Artesia NM 88210

November 23, 2020

TCEQ Compliance Monitoring Team, MC-224 P.O. Box 13087 Austin, TX 78711-3087

Re:

As-Built Drawing and Certifications of Additional Holding Pond (Pond #4) to Satisfy Item S of the Special Provisions of Permit No. WQ0003074000 for Schreiber Foods, Inc., Erath, Texas

Dear Sir or Madam,

Attached you will find the as-built capacity certification and soil liner certification for a new irrigation holding pond (Pond #4) meeting the requirements of Item S of the Special Provisions of Permit No. WQ0003074000. The pond was constructed in accordance with the approved plans/specifications per the attached TCEQ letter dated December 11, 2019 and in compliance with Item H of the Special Provisions in the permit. Please accept the attached documentation and pond certifications to satisfy the requirement of Item S of the Special Provisions of the permit.

If you have any questions, please do not hesitate to contact me at 806-350-5458 or by email at eemerine@enviroag.com.

Respectfully Submitted.

Erick Emerine, P.E.

Enviro-Ag Engineering, Inc.:

Encl: Pond #4 As-Built Capacity Certification and Soil Liner Certification w/ Support Docs

Cc: TCEQ Industrial Permits Team

Schreiber Foods, Inc.

EAE file

PHONE: 800-753-6525

www.enviroag.com

Jon Niermann, Chairman Emily Lindley, Commissioner Bobby Janecka, Commissioner Toby Baker, Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 11, 2019

Mr. Erick Emerine, P.E., Enviro-Ag Engineering, Inc. 3404 Airway Boulevard Amarillo, Texas 79118

Re:

Construction Plan of Additional Holding Pond to Satisfy Item S of the Special Provision of Permit No. WQ0003074000 for Schreiber Foods, Inc., Erath, Texas

Mr. Emerine:

The Texas Commission on Environmental Quality Water Quality Division received your letter with plans dated December 3, 2019 and additional material provided on December 11, 2019. We agree with your determination that the construction plans meet the requirements for Special Provisions H and S of permit No. WQ0003074000 for a new irrigation holding pond to provide the required additional capacity. The information you provided will be added to the permit file (WQ0003074000).

As agreed, on December 11, 2019 by email, ensure the monitor well located at the northwest side of the construction site is protected during construction.

If you have any questions, please contact me by telephone at (512) 239-4570 or Thomas.Starr@tceq.texas.gov.

Sincerely

Thomas Starr, P.E.

Wastewater Permitting Section (MC-148)

Water Quality Division

TES/kb



Corporate Office: 3404 Airway Blvd. Amarillo TX 79118

Central Texas: 9855 FM 847 Dublin TX 76446 New Mexico: 203 East Main Street Artesia NM 88210

CAPACITY CERTIFICATION

Schreiber Foods, Inc. Stephenville, Erath County, TX

Capacity Certification - Pond #4 (Industrial Wastewater Storage/Irrigation Pond)

An as-built survey was conducted on 10/09/2020 by Enviro-Ag Engineering, Inc., to determine the total capacity of Pond #4. The capacity with two feet of dry freeboard was calculated to be:

Structure Capacity

Pond #4 42,93 acre-feet

Attached with this certification includes the as-built capacity drawing plan/profile and a pond marker schematic with stage/storage volumes.

Respectfully submitted,

Erick Emerine, P.E. - License No. 103494

Enviro-Ag Engineering, Inc. - Engineering Firm No. 2507

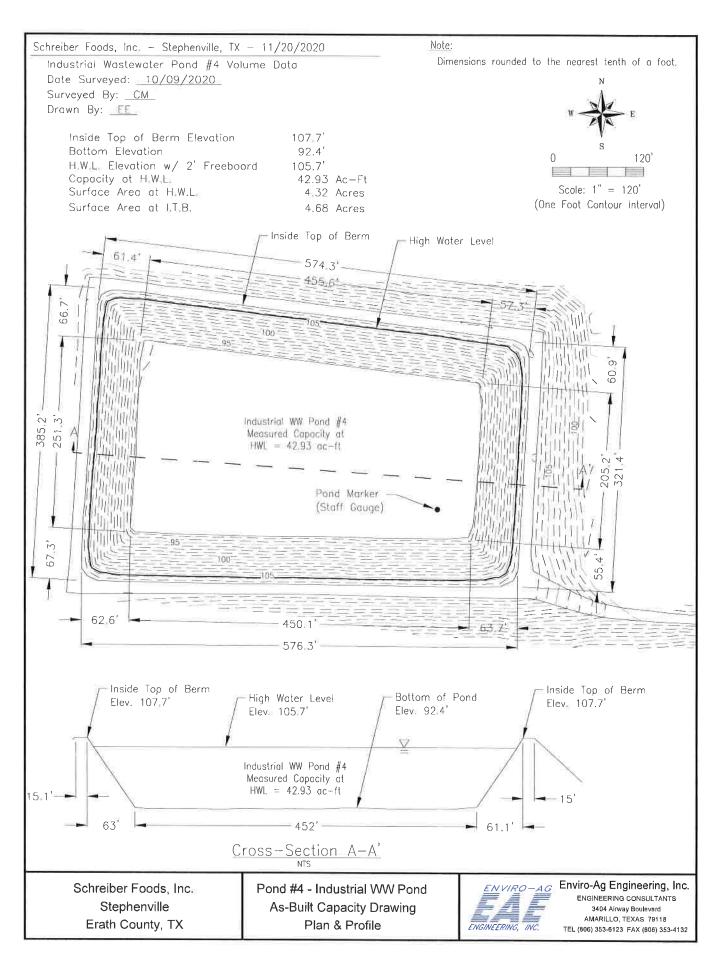
Attachments: As-Built Capacity Drawing Plan & Profile

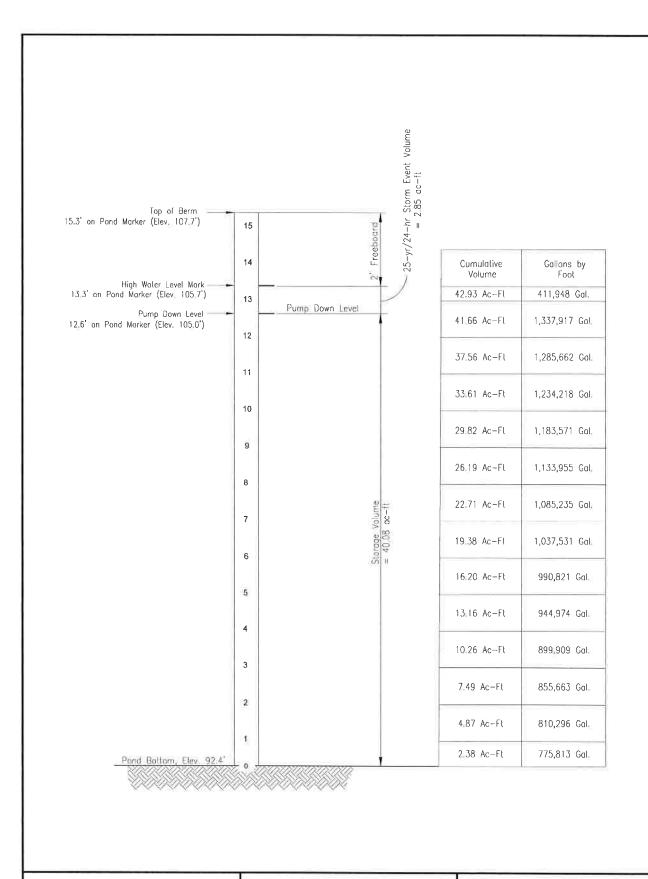
Pond Marker Schematic

PHONE: 800-753-6525

www.enviroag.com

-23-2020





Schreiber Foods, Inc. Stephenville Erath County, TX Pond #4 - Industrial WW Pond As-Built Capacity Drawing Pond Marker Schematic



Enviro-Ag Engineering, Inc.
ENGINEERING CONSULTANTS
3404 Airway Boulevard
AMARILLO, TEXAS 79118
TEL (806) 353-6123 FAX (806) 353-4132



Corporate Office: 3404 Airway Blvd. Amarillo TX 79118

Central Texas: 9855 FM 847 Dublin TX 76446 New Mexico: 203 East Main Street Artesia NM 88210

SOIL LINER CERTIFICATION

Schreiber Foods, Inc. Stephenville, Erath County, TX

Soil Liner Certification – Pond #4 (Industrial Wastewater Storage/Irrigation Pond)

Six 3-inch Shelby tube core samples were collected from Pond #4 to document that the liner meets the requirements of the TCEQ for soil liner. The liner thickness was documented to be at least 36 inches.

The hydraulic conductivity of the clay soil liner is documented as follows:

•	Pond #4 - Sample 1	(West Bottom, Lab #5473)	6.2 x 10 ⁻⁸ cm/sec
•	Pond #4 – Sample 2	(East Bottom, Lab #5474)	4.1 x 10 ⁻⁸ cm/sec
•	Pond #4 – Sample 3	(East Sidewall, Lab #5475)	4.6 x 10 ⁻⁸ cm/sec
•	Pond #4 – Sample 4	(South Sidewall, Lab #5476)	4.6 x 10 ⁻⁸ cm/sec
•	Pond #4 – Sample 5	(West Sidewall, Lab #5477)	3.8 x 10 ⁻⁸ cm/sec
•	Pond #4 – Sample 6	(North Sidewall, Lab #5478)	3.1 x 10 ⁻⁸ cm/sec

Based on the above documentation, the liner in Pond #4 is determined to be in accordance with TCEQ requirements for soil liners. The test locations were backfilled with bentonite chips. The test results meet the requirements of the TCEQ for hydraulic conductivity considered protective of ground and surface water sources. The pond was constructed in accordance with the approved plans and specifications. Attached with this certification includes the soil liner seepage rate calculations, permeability test results, pond embankment construction moisture/density tests and soil liner construction moisture density tests.

Respectfully submitted,

Erick Emerine, P.E. – License No. 103494 Enviro-Ag Engineering, Inc. – Firm No. 2507

Attachments: Seepage Calculations

EAE Permeability Lab Reports

GSS Laboratories & Specialty Testing Moisture Density Testing Reports

PHONE: 806-353-6123

www.enviroag.com

-23-2020

CALCULATION OF SPECIFIC DISCHARGE

SITE: Schreiber Foods, Inc.

LOCATION: Stephenville, Erath County, TX

STRUCTURE

Pond #4 (Industrial WW Storage/Irrigation Pond)

This worksheet calculates the specific discharge through a soil finer based on the measured thickness of the installed clay liner and the results of the permeability testing. The maximum allowable specific discharge of the installed liner is 1.1 x E-06 cm/sec or 0.0374 in/day.

				Hydraulic Con	Hydraulic Conductivity Results of Core Samples	of Core Samples	
Laboratory Sample 1.D.	5473	5474	5475	5476	5477	5478	
I. Water Depth, feet	13.3	13.3	13.3	13.3	13.3	13.3	
2. Liner Thickness, inches	36.0	36.0	36.0	36.0	36.0	36.0	
3. Hydraulic Conductivity, cm/sec	6.20E-08	4.10E-08	4.60E-08	4.60E-08	3.80E-08	3 10E-08	
4. Calculated specific discharge, v							
Seepage Rate, inches/day	0.0115	0.0076	0.0085	0.0085	0.0070	0.0057	
Maximum Seepage Rate, inches/day	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374	

NOTES:

- (1) Water depth of the pond in feet
- (2) Soil liner thickness in inches.(3) Hydaulic conductivity of the co
- (3) Hydaulic conductivity of the core sample(s) as determined by flexible wall permeameter in cm/sec (Ref. ASTM D 5084).

The following equation is used:

 $\mathbf{v}' = \mathbf{k} (\mathbf{H} + \mathbf{d}) / \mathbf{d}$

here: v' = Specific Discharge of area representative of core sample, inches/day

d = Measure Liner Thickness at core sample location, feet

k = Hydaulic Conductivity of liner based on core sample testing, inches/day

H = Maximum Water Depth, feet

(4) Maximum Allowable Seepage Rate of 1.1 E-06 cm/sec (0.0374 in/day).

Erick Emerine, PE Enviro-Ag Engineering, Inc. TX Firm No. 2507



ENGINEER: E.Emerine
DATE: 11/20/2020

(a) 1000/4, (a)	Project Engineer: The K Emesine Sampled by: Date Sampled: 10/9/107 Date to Lab: 10/19/107 Received: Authority	TRIAXIAL PERMEABILITY CHAIN of CUSTODY
	302 Morgan M Bldg C Stephenville, TX (254) 965-3	STRUCTURE #1 #2 #4 #5 #6
	EAC Morgan Mill Road Bldg C Stephenville, TX 76401 (254) 965-3500 Fax: (254) 965-8000	PERM REPORT I.D.
		LAB LOG 5473 5473 5477 5478

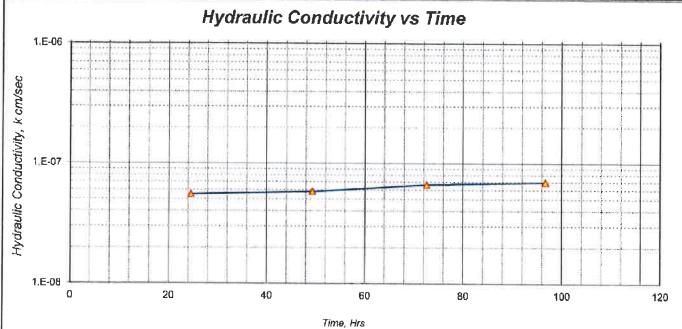
3404 Airway Blvd., Amarillo, TX 79118 (806) 353-6123

LABORATORY SERVICES



REPORT ASTM D-5084, Method C

Schreiber Lagoon Lab Sample Number 20/05/10 5473 Sample ID. Report Date November 2, 2020



SPECIMEN DATA

SAMPLE ID:	1	
DESCRIPTION:	#1	
	INITIAL	FINAL
HEIGHT, in.	2.7	2.8
DIAMETER, in.	2.9	2.9
WATER CONTENT, %	10.9	14.3
DRY DENSITY, pcf	124	122
SATURATION, %	81	100
(Specific Gravily assumed as 2.7)		
SAMPLE COLOR	Light Brown	
SAMPLE CONSISTENCY	Clay/Sand	

COMMENTS:

Tap water used as permeant.

TEST DATA

		ASTM D-5084,	Method C	
	EFFEC	TIVE STRESS;	5 psi	
	GRADII	ENT RANGE:	2 - 3	
	IN/OU	T RATIO:	1.00	
			HYDRAULIC	
	TRIAL	TIME	CONDUCTIVITY	
	nos.	hrs.	cm / sec	
	1	24.5	5.5E-08	
	2	49.3	5.8E-08	
	3	72.7	6.7E-08	
l	4	96.8	7.0E-08	

AVERAGE LAST 4:

6.2E-08

These results apply only to the above listed samples. The data and information are proprietary and connot be released without authorization of Enviro-Ag Engineering Inc. By accepting the data and results represented on this page, client agrees to limit the liability of Enviro-Ag Engineering, Inc. from Client and all other parties claims arising out of the use of this data to the cost for the respective test(s) represented here, and Client agrees to indemnify and hold harmless Enviro-Ag from and against all liability in grocess of the aforementioned limit

Z ; Soils Lab\Perms \1920 \ 20/05/10 \ 5473

Print Date:

11/02/20

Miceh Mullin

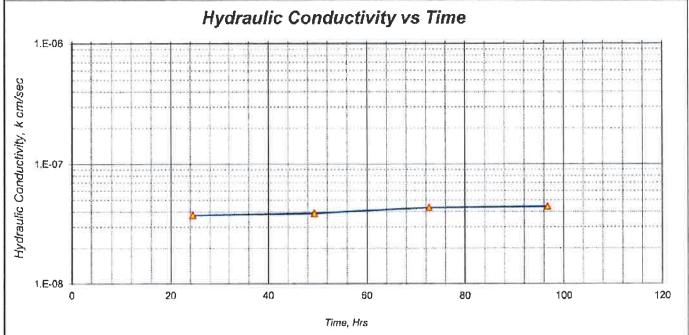
Reviewed By:

3404 Airway Blvd , Amarillo, TX 79118 (806) 353-8123 LABORATORY SERVICES



REPORT ASTM D-5084, Method C

Client / Project Name Lab Sample Number Protect No. 20/05/10 5474 Schreiber Lagoon Report Date: #2 November 2, 2020



SPECIMEN DATA

	SAMPLE ID:	2	
	DESCRIPTION:	#2	
Γ		INITIAL	FINAL
l			
	HEIGHT, in.	2.7	2.7
l	DIAMETER, in.	2.9	2.9
	WATER CONTENT, %	10.8	16.0
ı	DRY DENSITY, pcf	120	117
L	SATURATION, %	71	99
ı	(Specific Gravity assumed as 2.7)		
1	SAMPLE COLOR	Light Brown	
l	SAMPLE CONSISTENCY	Clay/Caliche	

COMMENTS:

Tap water used as permeant.

TEST DATA

	ASTM D-5084,	Method C
EFFECT	TIVE STRESS:	5 psi
GRADIE	NT RANGE:	2 - 3
IN/OU	TRATIO:	1.00
		HYDRAULIC
TRIAL	TIME	CONDUCTIVITY
nos.	<u>hrs.</u>	cm/sec
1	24.5	3.8E-08
2	49.3	3.9E-08
3	72.7	4.4E-08
	96.8	4.4E-08

AVERAGE LAST 4:

4.1E-08

Those results apply only to the above listed samples. The data and information are proprietary and can not be released without authorization of Enviro-Ag Engineering Inc. By accepting the data and results represented on this page, offent agrees to limit the liability of Enviro-Ag Engineering, inc. from Clioni and all other parties claims arising out of the use of this data to the cost for the respective tast(s) represented here, and Client agrees to Indemnify and hold harmless Enviro-Ag from and against all liability in excess of the aforementioned limit

Z : Solis Lab\Perms \1920 \ 20/05/10 \ 5474

11/02/20

Micah Mullin

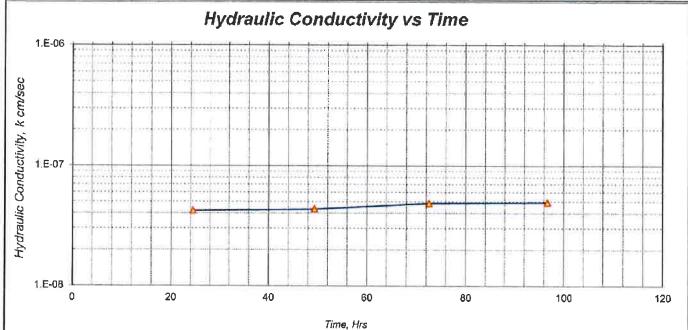
LSN:

3404 Alrway Bivd., Amarillo, TX 79118 (806) 353-6123 LABORATORY SERVICES



REPORT ASTM D-5084, Method C

Client / Project Nama Lab Sample Number. 20/05/10 Schreiber Lagoon 5475 Sample ID Report Date: #3 November 2, 2020



SPECIMEN DATA

SAMPLE ID:	3	
DESCRIPTION:	#3	
	INITIAL	FINAL
HEIGHT, in.	3.0	3.0
DIAMETER, in.	2.9	2.9
WATER CONTENT, %	10.5	16.1
DRY DENSITY, pcf	119	118
SATURATION, %	68	100
(Specific Gravity assumed as 2.7)		
SAMPLE COLOR	Light Brown	
1		
SAMPLE CONSISTENCY	Clay/Caliche	

COMMENTS:

Tap water used as permeant.

TEST DATA

	ASTM D-5084,	Method C
EFFEC?	TIVE STRESS:	5 psi
GRADIE	ENT RANGE:	2 - 3
IN/OU	T RATIO:	1.00
		HYDRAULIC
TRIAL	TIME	CONDUCTIVITY
nos.	hrs.	cm/sec
1	24.5	4.2E-08
2	49.3	4.3E-08
3	72.7	4.8E-08
	96.8	4.9E-08

These results apply only to the above listed samples. The data and information are proprietary and can not be released without authorization of Enviro-Ag Engineering Inc. By eccepting the data and results represented on this page, client agrees to limit the liability of Enviro-Ag Engineering, Inc. from Cilent and all other parties claims arising out of the use of this date to the cost for the respective test(s) represented here, and Client agrees to indemnify and hold harmless Enviro-Ag from and against all habitity in excess of the aforementioned (imit

Soils Lab\Perms \1920 \ 20/05/10 \ 5475

Print Date:

11/02/20

Micah Mullin

AVERAGE LAST 4:

Jul 0125

4.6E-08

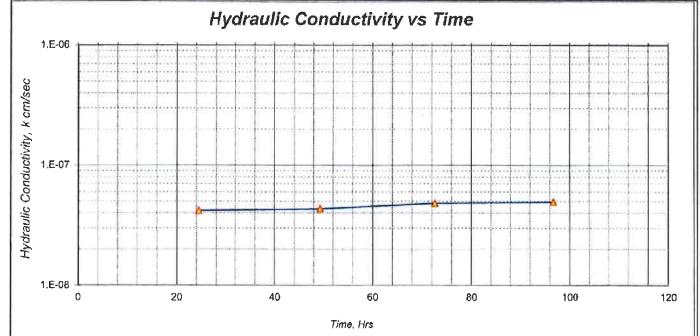
3404 Airway Bivd., Amarillo, TX 79118 (806) 353-6123

LABORATORY SERVICES



REPORT ASTM D-5084, Method C

Client / Project Name: Schreiber Lagoon Lab Sample Number: 20/05/10 5476 Report Date: November 2, 2020



SPECIMEN DATA

SAMPLE ID:	4	
DESCRIPTION:	#4	
	<u>INITIAL</u>	FINAL
HEIGHT, in.	3.0	3.0
DIAMETER, in.	2.9	2.9
WATER CONTENT, %	11.4	16.6
DRY DENSITY, pcf	118	116
SATURATION, %	73	100
(Specific Gravity assumed as 2.7)		
SAMPLE COLOR	Light Brown	
SAMPLE CONSISTENCY	Clay/Caliche	

COMMENTS:

Tap water used as permeant.

TEST DATA

	7231 L	AIA
	ASTM D-5084,	Method C
EFFECT	TIVE STRESS:	5 psi
GRADIE	NT RANGE:	2 - 3
IN/OUT	TRATIO:	1.00
		HYDRAULIC
TRIAL	TIME	CONDUCTIVITY
nos	<u>hrs</u>	cm / sec
1	24.5	4.2E-08
2	49.3	4.3E-08
3	72.7	4.8E-08
4	96.8	4.9E-08
-4	90.0	4,96-00

AVERAGE LAST 4:

4.6E-08

These results apply only to the above listed samples. The data and information are proprietary and can not be released without authorization of Enviro-Ag Engineering Inc. By accepting the data and results represented on this page, client agrees to limit the liability of Enviro-Ag Engineering, Inc. from Client and all other parties claims orising out of the use of this date to the cost for the respective (est(s) represented here, and Ctient agrees to indemnify and hold harmines Enviro Ag from and against all flability in excess of the aforementioned limit.

Z : Soils Lab\Perms \1920 \ 20/05/10 \ 5476

Print Date:

11/02/20

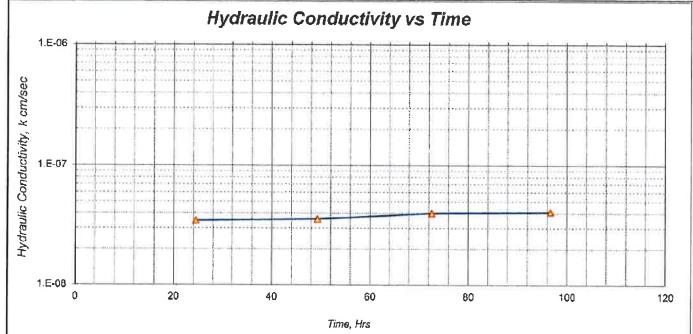
Reviewed By:

3404 Airway Bivo., Amerillo, TX 79118 (806) 353-6123 LABORATORY SERVICES



REPORT ASTM D-5084, Method C

Client / Project Name Lab Sample Number Project No. 20/05/10 Schreiber Lagoon 5477 Fleport Date: #5 November 2, 2020



SPECIMEN DATA

SAMPLE ID:	5	
DESCRIPTION:	#5	
	INITIAL	FINAL
1		
HEIGHT, in.	2.5	2.5
DIAMETER, in.	2.9	2.9
WATER CONTENT, %	10.2	15.2
DRY DENSITY, pcf	120	119
SATURATION, %	69	100
(Specific Gravity assumed as 2.7)		
SAMPLE COLOR	Brown	
SAMPLE CONSISTENCY	Clay/Caliche	

COMMENTS:

Tap water used as permeant.

TEST DATA

200		
	ASTM D-5084,	Method C
EFFECT	TIVE STRESS:	5 psi
GRADIE	GRADIENT RANGE:	
IN/OU	T RATIO:	1.00
		HYDRAULIC
TRIAL	TIME	CONDUCTIVITY
nos.	<u>hrs.</u>	cm / sec
1	24.5	3.5E-08
2	49.3	3.6E-08
3	72.7	4.0E-08
4	96,8	4.1E-08

These results apply only to the above listed samples. The dats and information are proprietary and can not be released without authorization of Enviro-Ag Engineering Inc. By accepting the date and results represented on this page, client agrees to limit the liability of Enviro-Ag Engineering, Inc. from Client and all other parties claims arising out of the use of this data to the cost for the respective (est(s) represented here, and Client agrees to indemnify and hold harmless Enviro-Ag from and against all tiability in access of the aforementioned limit

Z : Soils Lab\Perms \1920 \ 20/05/10 \ 5477

Print Date:

11/02/20

Micah Mullin

AVERAGE LAST 4:

Reviewed By:

3.8E-08

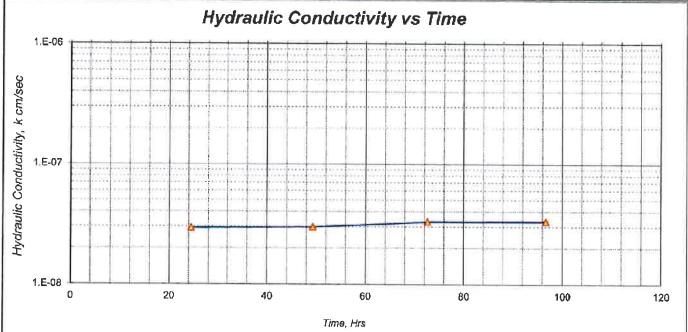
3404 Airway Blvd., Amarillo, TX 79118 (806) 353-6123

LABORATORY SERVICES



REPORT ASIM D-5084, Method C

Client / Project Name Lab Sample Number Schreiber Lagoon 20/05/10 5478 Report Date. #6 November 2, 2020



SPECIMEN DATA

SAM	PLE ID:	6	
DESCR	IPTION:	#6	
		INITIAL	FINAL
HEIGH	T, in.	2.8	2.8
DIAME	TER, in.	2.9	2.9
WATER	R CONTENT, %	9.6	16.2
DRY D	ENSITY, pcf	119	117 🙃
SATUR	ATION, %	62	98
(Specific	Gravity essumed as 2.7)		
SAMPL	E COLOR	Brown	
SAMPL	E CONSISTENCY	Clay/Caliche	

COMMENTS:

Tap water used as permeant.

TEST DATA

	ASTM D-5084,	Method C					
EFFEC.	TIVE STRESS:	5 psi					
GRADIE	ENT RANGE:	2 - 3					
IN/OU	T RATIO:	1.00					
		HYDRAULIC					
TRIAL	TIME	CONDUCTIVITY					
nos.	<u>hrs.</u>	cm/sec					
1	24.5	2.9E-08					
2	49.3	3.0E-08					
3	72.7	3.3E-08					
4	96.8	3.3E-08					

AVERAGE LAST 4:

3.1E-08

These results apply only to the above listed samples. The data and information are proprietary and can not be released without authorization of Enviro-Ag Engineering Inc. By accepting the date and results represented on this page, client agrees to limit the liability of Enviro-Ag Engineering, Inc. from Client and all other parties claims arising out of the use of this data to the cost for the respective test(s) represented here, and Client agrees to indemnify and hold harmless Enviro-Ag from and against all hability in excess of the aforementioned limit.

Z : Soils Lab\Perms \1920 \ 20/05/10 \ 5478

Print Date:

11/02/20

Reviewed By Micah Mullin

Wityall 0128

EMBANKMENTS



IN-PLACE DENSITY TEST SERVICE ORDER

CLIENT: Big I	ron			CLIEN	T NO:		
	D Box 69, Blanket, Tx, 76432		2)		RT NO: 20051	1	
Project: Schri			0		8-31-2020		
AUTH: Jeff ieber JOBSITE INFORMATION			24	PAGE	1 of 1		
		TEST		METH	OD	RI	EQUIREMENTS
Contr: Big Iron		DENSITY			D 2922		95
JOBSITE: Jef		MOISTUR	E "		D 3017	-	-1 to +3
TIME:		GAUGE N		3430		_	
REMARKS:							
		OISTURE / DE	NSITY REL	AOITA.			
M/D NO.	TEST OF	MATERI DESCRIP			OPTIMUM MOISTURI		MAXIMUM DENSITY
7	Emb	Lt Br Silty L	oam		15.3		113.2
2	Emb	Purple & Gre			17.4		105.4
-	91	IN-PLACE DEI	NSITY TES	TS			
TEST	TEST	M/D	MOIS		DENS	ITY	PERCENT
NO.	LOCATION	NO.	CON.		pc		COMPACTION
				lbs	- F-	wet	
E Bern	#1	2	17.3	%	106.1	dry	100.7
			-	lbs		wet	
S Berm	n#2	2	18.4	%	105.0	dry	99.6
				lbs	-	wet	
N Bern	1#3	2	16.8	₩	105.1	dry	99.7
				lbs		wet	
S Bern	#4	1	16.8	%	113.2	dry	100.0
				lbs		wet	
E Berm	1#5	1	16.8	₩	113.1	dry	99.9
				lbs		wet	400.0
N Bern	1#6	1	16.9	%		dry	100.2
			-10.4	lbs		wet	400.0
N Bern	0#7	1	16.4	₩	113.3	dry	100.0
		4	46.4	lbs %	112.9	wet	00.7
S Berm	1#8		16.4	lbs	112.9	dry wet	99.7
E Berm	#0	ï	16.0	%	113.7	dry	100.4
E Delli	1 # 5	 -	10.0	lbs	110.1	wet	
				%		dry	
TECHNICIAN:	J. Slone		OFF	DIV	TEST	UNITS	
TIME: START							
CLIENT REP:			Time		1 Day		
			Trip				
CONTRACTO	R NOTIFIED OF RESULTS (Y	/N)	Total				

TECHNICIAN: C



CLIENT: B	ig Iron			CLIENT	NO:		
ADDRESS: PO Box 69, Blanket, Tx, 76432 Project: SchrieberFood AUTH: Jeff leber					TNO: 200514	-A	
				DATE: 9			
				PAGE:	1 of 2		
				ETUO	0	D	EQUIREMENTS
	NFORMATION	TEST		METHO		R	
Contr: Big		DENSITY	_	ASTM D		_	95
JOBSITE:		MOISTUR		ASTM D	3017	-	-1 to +3
TIME: 10		GAUGE N	0.	3430		_	
REMARKS:							
	M	OISTURE / DEN	ISITY RE	LATIONS			
M/D	TEST	MATERIA	AL		OPTIMUM		MAXIMUM
NO.	OF	DESCRIPT	TION		MOISTURE		DENSITY
1	Embankment	Lt Br Silty C	Clay		15.3		113.2
2	Embankment	Purple & Grey	y Clay		17.4		105.4
3	Embankment	Green & Grey	Clay	. –	15.2		114.4
		IN-PLACE DEN	ISITY TES	RTS			
TEST	TEST	M/D		TURE	DENSI	TY	PERCENT
NO.	LOCATION	Linee		TENT	pcf	• •	COMPACTION
140.	EGGATION	Lines	-0011	lbs	рог	wet	00111171011011
#10	N Berm	2	18.1	%	106.0	dry	100.6
#10	14 Collin		10.1	lbs	100.0	wet	
#11	S berm	2	17.1	%	106.1	dry	100.6
	D WOTTH			lbs		wet	
#12	E Berm	1	18.1	%	109.7	dry	97.0
	· ·)		lbs		wet	
#13	E Berm	2	16.9		104.8	dry	99.4
		-		lbs		wet	
# 14	S Berm	1	16.9	%	112.9	dry	99.7
				lbs		wet	
#15	N Berm	1	15.9	%	111.9	dry	98.9
				lbs		wet	
#16	S Berm	1	15.3	%	113,5	dry	100.3
				lbs		wet	
#17	E Berm	11	16.1	%	114.9	dry	101.5
				lbs		wet	
#18	N Berm	3	16.0	%	113.1	dry	98.9
				lbs		wet	
#19	E Berm	3	15.9	%	113.4	dry	99.1
TECHNICIA	AN: J. Slone		OFF	DIV	TEST	UNITS	
TIME: STA							
CLIENT RE			Time				
			Trip				
CONTRAC	TOR NOTIFIED OF RESULTS (Y	/N)	Total				

TECHNICIAN:

0130



CLIENT: E	Rig Iron			CLIENT			
	: PO Box 69, Blanket, Tx, 76432	2			T NO: 200514-	-B	
Project: So	chrieberFood			DATE: 9	-1-2020		
AUTH: Jef				PAGE:	2 of 2		
ieber JOBSITE INFORMATION		TEST		METHO	D	F	REQUIREMENTS
Contr: Big	Iron	DENSITY		ASTM D	the state of the s		95
JOBSITE:		MOISTUR	E	ASTM D			-1 to +3
TIME: 1		GAUGE N	О.	3430		_	
REMARKS							
		MOISTURE / DEI		LATIONS			
M/D	TEST	MATERI			OPTIMUM		MAXIMUM
NO.	OF	DESCRIPT	TION		MOISTURE		DENSITY
1	Embankment	Lt Br Slity (Clay		15.3		113.2
2	Embankment	Purple & Gre	y Clay	_	17.4		105.4
3	Embankment	Green & Gre	y Clay	_	15.2		114.4
		IN-PLACE DEP	NSITY TE	BTS			
TEST	TEST	M/D	MOIS	TURE	DENSI	TY	PERCENT
NO.	LOCATION	Linee	CON	TENT	pcf		COMPACTION
		-		lbs		wet	
#20	N Berm	33	15.0	%	113.0	dry	98.8
				lbs	E-1	wet	
#21	S Berm	3	16.1		112.9	dry	98.7
				lbs		wet	
		-		₩		dry	(
				lbs		wet	
		2 111-1-1-1 2		%		dry	
				lbs	-	wet	
				%		dry	
				lbs		wet	
				%	-	dry	
				lbs		wet	
			-	%		dry	
				ibs		wet	
				%	-	dry	
				lbs		wet	
			_	%		dry	
				lbs %	-	wet dry	
TEOUNIOU	AAL A Class		LARE		TENT I		
	AN: J. Slone		OFF	DIV	TEST	UNITS	2
TIME: STAI			77				-
CLIENT RE	:r		Time				
CONTRAC	TOR NOTIFIED OF RESULTS	/V/NI\	Trip Total				
CUNTRAC	エンス かい ハドにこい しき べきみしにしる !	LTZ(ND	LIOTA	1 1			

TECHNICIAN: C



CLIENT: Big Iron			CLIENT	NO:		
ADDRESS: PO Box 69, Blanket, Tx, 764	32		REPOR	T NO: 200515	5	
Project: SchrieberFood			DATE: 8	-8-2020		
AUTH: Jeff			PAGE:	1 of 2		
leber JOBSITE INFORMATION	TEST		METHO	D	F	REQUIREMENTS
Contr: Big Iron	DENSITY		ASTM D	2922		95
JOBSITE: Jeff	MOISTUR		ASTM D		-	-1 to +3
TIME: 1 Day	GAUGE N		3430	-	-	
REMARKS:	_					
	MOISTURE / DE		_ATIONS			
M/D TEST NO. OF	MATERI DESCRIP			OPTIMUM MOISTURE		MAXIMUM DENSITY
1 Embankment	Lt Br Silty			15.3		113.2
2 Embankment	Purple & Gre			17.4		105.4
3 Embankment	Green & Gre		-	15.2		114.4
				177		
TEST TEST	IN-PLACE DEI	MOIS		DENSI	TV	DEDCEME
NO. LOCATION	Linee	CON			1 7	PERCENT
NO. EOCATION	Lillee	CON	ibs	pcf	wet	COMPACTION
#22 E Embankment Berm	3	16.7	%	117.2	dry	98.0
		10.1	lbs	117.25	wet	
#23 N Berm	3	17.0	%	113.1	dry	98.9
			lbs	•	wet	
#24 S Berm	3	15.9	%	110.2	dry	96.3
			ibs		wet	
#25 E Berm	3	14.4	%	114.0	dry	99.7
			lbs		wet	
#26 N Berm	3	16.8	%	109.9	dry	96.0
#07 O D			lbs	-1112	wet	
#27 S Berm		14.8	%	111.2	dry	98.1
#20 N Daves	•	440	lbs	4400	wet	00.0
#28 N Berm	3	14.2	%	110.6	dry	96.6
#29 S berm	3	14.4	lbs %	114.2	dry	99.8
#28 G DGIIII		- 14.4	lbs	114.2	wet	
#30 E Berm	1	15.9	%	110.4	dry	97.5
Head to bottom		10.0	lbs	110.4	wet	
#31 E Berm	3	16.1	%	113.1	dry	98.9
TECHNICIAN: J. Slone		OFF	DIV	TEST	UNITS	
TIME: START Stop						1
CLIENT REP:		Time				
·		Trip		-		
CONTRACTOR NOTIFIED OF RESULT	S (Y/N)	Total				

TECHNICIAN:

0132



CLIENT: E				CLIENT			
ADDRESS	: PO Box 69, Blanket, Tx, 76432			REPOR	T NO: 200515	3	
Project: SchrieberFood					3-8-2020		
AUTH: Jet				PAGE:	2 of 2		
IODOITE	ieber NFORMATION	TEST		METMO			FOUNDEMENTS
		TEST		METHO			EQUIREMENTS
Contr. Big JOBSITE:		DENSITY		ASTM C		-	95
TIME:	Јеп	MOISTUR		ASTM D	3017	_	-1 to +3
COLUMN TWO IS NOT THE OWNER.		GAUGE N	IO.	3430		-	
REMARKS	: Dorrected Copy						
		DISTURE / DE		ATIONS			
M/D	TEST	MATERI	AL.		OPTIMUM		MAXIMUM
NO.	OF	DESCRIP	TION		MOISTURE		DENSITY
1	Embankment	LI Br Silty	Clay		15.3		113.2
3	Embankment	Purple & Gre	y Clay	_	17.4		105.4
3	Embankment	Green & Gre			15.2		114.4
		IN-PLACE DEI	NSITY TES	STS			
TEST	TEST	M/D	MOIS	TURE	DENSI	TY	PERCENT
NO.	LOCATION	Linee	CON	_	pcf	•	COMPACTION
		0		lbs		wet	
#32	S Emb Berm	3	15.5	%	109.9	dry	96.1
			-	lbs		wet	
#33	N Emb Berm	3	14.7	%	113.1	dry	98.9
		S T S		lbs		wet	-
#34	E Emb Berm	3	15.3	%	111.1	dry	97.1
				lbs	and a little la	wet	
#35	N Berm	3	14.6	%	112.4	dry	98.3
				lbs		wet	
#36	S Berm	3	14.9	%	113.6	dry	99,3
	-			lbs		wet	
				%	-	dry	
				lbs		wet	
				%		dry	
				lbs		wet	
				%		dry	
				lbs		wet	
				%		dry	
				lbs		wet	
			16.1	%		dry	
TECHNICIA	AN: J. Slone		OFF	DIV	TEST	UNITS	
TIME: STAI							
CLIENT RE	P:		Time				
			Trip				
CONTRACT	TOR NOTIFIED OF RESULTS (Y/	N)	Total				

TECHNICIAN:

c/S



CLIE	NT: Big Iron			CLIENT	NO.		
ADDRESS: PO Box 69, Blanket, Tx, 76432				REPORT NO: 200516-A			
Project: SchrieberFood					9-14-2020	071	
	1: Jeff			PAGE:			·
leber JOBSITE INFORMATION		TEST		METHO	ıD.	P	EQUIREMENTS
	: Big Iron	DENSITY		ASTM			95
	SITE: Jeff	MOISTUR		ASTM C		_	-1 to +3
	: 1 Day	GAUGE N		3430		-	7 10 -0
	ARKS:						
	MC	DISTURE / DE	NSITY RE	LATIONS	3		
MD NO.	TEST	MATERI			OPTIMUM		MAXIMUM
1 1		DESCRIP			MOISTURE		DENSITY
2	Embankment Berm Embankment Berm	Lt Br Silty			15.3		113.2
3	Embankment Berm	Purple & Gre	A company of the comp	•):	17.4		105.4
3	Embankment berm	Green & Gre	y Clay	·	15.2		114.4
		N-PLACE DE	and the second	and the same of the same			
TEST		M/D		TURE	DENS		PERCENT
NO.	LOCATION	Linee	CON	TENT	pcf		COMPACTION
	#37 E Berm	4	440	lbs %	440.4	wet	00.0
-	#S7 E Bellii	1	14.9	lbs	112.4	dry	99.2
	#38 S Berm	1	15.0		110.6	dry	97.8
	1100 0 001111		10.0	lbs	110.0	wet	
	#39 N Berm	2	16.7	%	104.8	dry	99.4
				lbs		wet	
	#40 S Berm	3	15.2	26	113.6	dry	99.3
			•	lbs		wet	
	#41 N Berm	3	16.1	%	110.4	dry	95.9
				lba		wet	
	#42 E Berm	3	15.0	%	110.9	dry	96.9
				lbs		wet	
	#43 N Berm	3	14.4	₩	113.1	dry	98.9
	didd I' Dawn	•	44.0	lbs	400.7	wet	07.0
	#44 E Berm	3	14.8	%	109.7	dry	95.9
	#45 S Berm	3	16.0	lbs %	111.1	dry	07.4
	#-3 O Delili		10.0	lbs	111.1	wet	97.1
	#46 S Berm	3	14.7	%	113.1	dry	98.9
TECH	NICIAN: J. Slone		OFF	DIV	TEST	UNITS	
	START Stop		-			5,111.0	
	IT REP:		Time	1	Day		
	1		Trip				
CONT	RACTOR NOTIFIED OF RESULTS (Y/I	V)	Total				

TECHNICIAN:



CLIENT: BIG				CLIENT			
ADDRESS: PO Box 69, Blanket, Tx, 76432 Project: SchrieberFood AUTH: Jeff ieber JOBSITE INFORMATION					FNO: 200516	3-B	
					-14-2020		
				PAGE: 3	2 of 2		
		TEST		METHO	D	F	REQUIREMENTS
Contr: Big Iro	on	DENSITY		ASTM D	2922		95
JOBSITE: Je	H	MOISTUR	E	ASTM D	3017		-1 to +3
TIME:		GAUGE N	Ю.	3430		_	
REMARKS:							
W.		IOISTURE / DE	NSITY RE	LATIONS			
M/D	TEST	MATERI			OPTIMUM		MUMIXAM
NO.	OF	DESCRIP			MOISTURE	_	DENSITY
1	Emb	Lt Br Silty	Clay		15.3		113.2
2	Emb	Purple & Gre	y Clay	_	17.4		105.4
3	Emb	Green & Gre	y Clay	_	15.2		114.4
W		IN-PLACE DE	NSITY TES	тв			
TEST	TEST	M/D	MOIS	TURE	DENSI	TY	PERCENT
NO.	LOCATION	Linee	CON	TENT	pcf		COMPACTION
				bs		wet	
#47 E	Berm	3	15.9	%	113.2	dry	99.0
				lbs		wet	
#48 N	Berm	3	14.3	₩	114.0	dry	99.7
				lbs		wet	
#49 E	Berm	11	15.1	%	110.9	dry	96.9
				lbs		wet	
#50 S	Berm	3	14.7	%	112.4	dry	98.3
				lbs		wet	
#51 N	Berm	3	16.0		110.3	dry	96.4
				lbs		wet	·
				%		dry	
				lbs		wet	
		-		%		dry	/
				lbs		wet	(
				₩		dry	
				lbs		wet	
				%		dry	
				lbs		wet	
		***		%		dry	
TECHNICIAN			OFF	DIV	TEST	UNITE	3
TIME: START							
CLIENT REP:			Time				
			Trìp				
CONTRACTO	R NOTIFIED OF RESULTS (Y	/N1	Total				

TECHNICIAN:



	NT: Big Iron			CLIENT	NO:		
ADD	RESS: PO Box 69, Blanket, Tx, 76432			REPOR	T NO: 200517	-A	
Proje	ct: SchrieberFood			DATE: 9	-14-2020		
AUTH	l: Jeff			PAGE:	1 of 3		
JOBS	leber BITE INFORMATION	TEST		METHO	D	F	REQUIREMENTS
Contr	: Big Iron	DENSITY		ASTM D	2922		95
	SITE: Jeff	MOISTUR	RE	ASTM D	3017	_	-1 to +3
TIME	: 1 Day	GAUGE N	IO.	3430		_	
REMA	ARKS:						
	M	OISTURE / DE	NSITY RE	LATIONS			
M/D	TEST	MATERI			OPTIMUM		MAXIMUM
NO.	OF	DESCRIP			MOISTURE		DENSITY
1	Embankment Berm	Lt Br Silty			15.3		113.2
2	Embankment Berm	Purple & Gre	The second second		17.4		105.4
3	Embankment Berm	Green & Gre	y Clay	_	16.2		114.4
		IN-PLACE DEI	NSITY TES	STS			
TEST		M/D	MOIS	TURE	DENSI	ΓY	PERCENT
NO.	LOCATION	Linee	CON	TENT	pcf		COMPACTION
				bs		wet	
	#52 S Berm	2	18.1		105.4	dry	100.0
	HEO E D			lbs	100 1	wet	
	#53 E Berm	3	14.6		102.1	dry	96.9
	#54 N Berm	2	18.1	lbs %	109.1	wet	95.4
-	WOA IA DOLLI		10.1	Ibs	108.1	dry	90.4
	#55 E Berm	2	17.9		103.6	dry	98.3
	NOO L DOM		11.0	lbs	100.0	wet	- 50,0
	#56 S Berm	3	14.5		109.7	dry	95.9
		-	- 11.0	lbs	100.1	wet	
	##57 N Berm	3	15.8		113.0	dry	98.8
			-	lbs	-	wet	
	#58 S Berm	3	18.5		111.6	dry	97.6
				lbs		wet	-
	#59 N Berm	3	17.8		112.4	dry	98.3
				lbs		wet	
	#60 E Berm	3	16.2		110.9	dry	96.9
	1104 N. D.		41.5	lbs	444.6	wet	07.0
	#61 N Berm	3	14.5	%	111.6	dry	97.6
	INICIAN: J. Slone		OFF	DIV	TEST	UNITS	3
	START Stop	-			_		
CLIEN	NT REP:		Time	1	Day		
^~			Trip				
CONT	TRACTOR NOTIFIED OF RESULTS (Y	/TV.)	Total	1 1	- 1		1

TECHNICIAN: C



CLIEN	NT: Big Iron			CLIENT	NO:		
	RESS: PO Box 69, Blanket, Tx, 76432			REPORT	NO: 200517	7-B	
	ct: SchrieberFood			DATE: 9	-15-2020		
AUTH	l: Jeff			PAGE: 2	2 of 3		
JOBS	ieber SITE INFORMATION	TEST		METHO	D	R	QUIREMENTS
	: Big Iron	DENSITY		ASTM D			95
	ITE: Jeff	MOISTUR	E	ASTM D			-1 to +3
TIME:		GAUGE N	Ю.	3430		-	
REMA	ARKS:						
	W	OISTURE / DEI	NSITY REI	LATIONS			
M/D	TEST	MATERI			OPTIMUM		MAXIMUM
NO.	OF	DESCRIP			MOISTURE		DENSITY
1	Embankment Berm	Lt Br Silty		e -	15.3		113.2
3	Embankment Berm	Purple & Gre		7 Table	17.4		105.4
3	Embankment Berm	Green & Gre	y Clay	_	15.2		114.4
		IN-PLACE DE					
TEST		M/D		TURE	DENSI	TY	PERCENT
NO.	LOCATION	Linee	CON	TENT	pcf		COMPACTION
	#62 S Berm	3	15.0	lbs %	109.7	dry	95.9
	#02 O Dellii	-3	15.0	lbs	109.7	wet	
	#63 E Berm	3	15.4	%	110.1	dry	96.7
	WOO E BOITH		10.7	lbs	110.1	wet	50.1
	#64 S Berm	3	15.0	%	113.6	dry	99.3
		(lbs		wet	
	#65 N Berm	3	16.1	%	114.1	dry	99.7
				lbs		wet	
	#66 E Berm	3	16.6	9/6	110.2	dry	96.3
				lbs		wet	
	#67 N Berm	3	15.8		111.1	dry	97.1
	1100 E P		45.5	lbs	440.4	wet	00.0
	#68 E Berm	3	15.9	%	113.1	dry	98.9
	#89 S Berm	3	15.6	lbs %	114.1	dry	99.7
	MOS O Dellill		10.0	lbs	114.1	wet	99.7
	#70 S Berm	3	14.5	%	109.5	dry	95.8
	WIO C Delli		14.0	lbs	100.0	wet	
	#71 N Berm	3	16.0	4	110.4	dry	96.5
TECH	INICIAN: J. Slone		OFF	DIV	TEST	UNITS	1
	START Stop						100
	IT REP:		Time				_
			Trip				
CONT	RACTOR NOTIFIED OF RESULTS (Y	7N)	Total				

TECHNICIAN: C



	NT: Big Iron			CLIENT	NO:		
ADDF	RESS: PO Box 69, Blanket, Tx, 76432				T NO: 200517	7-C	
	ct: SchrieberFood			DATE: 9	-15-2020		
AUTH	l: Jeff			PAGE:	3 of 3		
JOBS	ieber SITE INFORMATION	TEST		METHO	D	R	EQUIREMENTS
Contr	: Big Iron	DENSITY		ASTM D			95
JOBS	SITE: Jeff	MOISTUR	RE '	ASTM D	3017	-	-1 to +3
TIME		GAUGE N	10.	3430		-	
REMA	ARKS:						
		SISTURE / DE		LATIONS			
M/D	TEST	MATERI			OPTIMUM		MAXIMUM
NO.	OF	DESCRIP			MOISTURE		DENSITY
1	Embankment Berm	Lt Br Silty		_	15.3		113.2
2	Embankment Berm	Purple & Gre			17.4		105.4
3	Embankment Berm	Green & Gre	y Clay	_	15.2		114.4
		N-PLACE DE					
TEST		M/D		TURE	DENSI	TY	PERCENT
NO.	LOCATION	Linee	CON.		pcf		COMPACTION
	470 E 6	_		lbs		wet	
	#72 E Berm	3	15.6		113.6	dry	99.3
	#73 E Berb	•	45.0	lba	-116.1	wet	00.5
	#/3 E Defu	3	15.3	%	110.4	dry	96.5
	#74 N Berm	3	15.0	lbs %	112.2	wet	98.1
	W1414 DOM		13.0	Ibs	112.2	dry	80.1
	#75 S Berm	2	18.1	26	106.0	dry	100.6
			10.1	lbs	100.0	wet	100.0
	#76 N Berm	2	17.8	%	102.6	dry	97.3
			-	lbs	- 102.0	wet	
	#77 S Berm	2	18.0		103.0	dry	97.7
				lbs		wet	
	#78 E Berm	3	15.6	%	114.4	dry	100.0
				lbs		wet	
				%		dry	
				lbs		wet	
				%		dry	
				lbs		wet	
				%		dry	
	NICIAN: J. Stone		OFF	DIV	TEST	UNITS	
	START Stop						
CLIEN	IT REP:		Time				
^^-	DAGTOR MOTERER OF DECK # 55 5		Trip				
CONT	RACTOR NOTIFIED OF RESULTS (Y/N	(1)	Total				E E

TECHNICIAN:



CLIENT: Big Iron			CLIENT			
ADDRESS: PO Box 69, Blanket, Tx, 76432	2			T NO: 20051		
Project SchrieberFood AUTH: Jeff			DATE: 9-16 & 17-2020			
leber			PAGE:	2 of 2		
JOBSITE INFORMATION	TEST		METHO	מ		REQUIREMENT
Contr: Big Iron	DENSITY		ASTM D			95
JOBSITE: Jeff	MOISTUR		ASTM D		974	-1 to +3
TIME:	GAUGE N	10.	3430			
REMARKS: East Berm Liner						
	MOISTURE / DE	NSITY RE	LATIONS			
M/D TEST NO. OF	MATER			OPTIMUM		MAXIMUM
	DESCRIP			MOISTURE		DENSITY
2 Liner 3 Liner	Purple C			21,1		103.4
4 Liner	Purple & Gre		_	17.4		105.4
Litter	Green & Gre	y Clay	-	15.2		114.4
	IN-PLACE DE					
TEST TEST	M/D		TURE	DENSI	TY	PERCENT
NO. LOCATION	Linea	CON	TENT	pcf		COMPACTIO
E Berm Liner 0 - 6" 9/16/20	•		lbs		wet	
E Berm Liner 0 - 6" 9/16/20		21.2		102.1	dry	98.7
E Berm Liner 6" - 12" 9/16//20	2	20.4	lbs %	101.6	dry	98.3
		20.4	lbs	101.0	wet	
E Berm Liner 12" - 18" 9/16/20	3	18.0		102.7	dry	97.4
			lbs		wet	
E Berm Liner 18" - 24" 9/18/20	3	17.0		104.4	dry	99.1
F Down Lines 0411 0011 0140100			ibs		wet	
E Berm Liner 24" - 30" 9/16/20	3	18.4		103.5	dry	98.2
E Berm Liner 30" - 36" 9/17/20	3	18.1	lbs %	105.2	dry	99.8
	-	10.1	lbs	103.2	wet	33.0
			%		dry	
		0	edl	-	wet	
			%		dry	
			lbs		wet	
			%		dry	
		-	lbs %	-	wet	
	1		***		dry	(
TECHNICIAN: J. Slone	-	OFF	DIV	TEST	UNIT	S
TIME: START Stop		100				
CLIENT REP:		Time				
CONTRACTOR NOTIFIED OF RESULTS (VAN	Trip				
SOUTHWOLDIVING HELED OF MESOF12 (1/14/	Total				

TECHNICIAN:



	: Big Iron			CLIENT			
	SS: PO Box 69, Blanket, Tx, 76432			REPOR	T NO: 200519		
	SchrieberFood				-17 & 21-2020		
AUTH:		_		PAGE:	2 of 2		
JOBSIT	leber TE INFORMATION	TEST		METHO	D	R	EQUIREMENTS
Contr:	Big Iron	DENSITY		ASTM D	2922		95
JOBSIT	E: Jeff	MOISTUR	RE	ASTM D	3017	_	-1 to +3
TIME:		GAUGE N	Ю.	3430		_	
REMAR	RKS: North Berm Liner						
		STURE / DE		ATIONS	and the same of th		
M/D	TEST	MATERI			OPTIMUM		MAXIMUM
NO.	OF	DESCRIP			MOISTURE		DENSITY
2	Liner	Purple Cl			21.1		103.4
3		Purple & Gre		0 000	17.4		105.4
4	Liner	Green & Gre	y Clay	_	15.2		114.4
		-PLACE DEI	NSITY TES	TS			
TEST	TEST	M/D	MOIS		DENSI	Ϋ́	PERCENT
NO.	LOCATION	Linee	CON.		pcf		COMPACTION
				lbs		wet	
	N Berm Liner 0 - 6" 9/17/20	3	18.4	%	105.4	dry	100.0
_				ibs		wet	
	N Berm Liner 6" * 12" 9/17/20	4	16.0	%	111.1	dry	97.1
	U.D 1 1 40H 40H 0147100		10.0	lbs		wet	
	N Berm Liner 12" - 18" 9/17/20	3	16.9	%	105.4	dry	100.0
	1 Demolies 409 241 04700		40.0	Ibs	440.0	wet	
	N Berm Liner 18" - 24" 9/17/20	4	16.0	%	110.6	dry	96.7
	J Borm Lines 24" 20" 0(49/00	. 4	40.4	lbs %	444.4	wet	400.0
	N Berm Liner 24" - 30" 9/18/20	4	16.4	lbs	114.4	dry	100.0
	N Berm Liner 30" - 36" 9/18/20	3	16.8		103.6	dry	98.3
	T Delitt Line: 30 - 30 av 10/20		10.0	lbs	103.0	wet	
				%		dry	
				lbs		wet	
			-	%	1	dry	
				lbs	-	wet	
				%	(dry	
				lbs	-	wet	
				2/6		dry	
	ICIAN: J. Slone		OFF	DIV	TEST	UNITS	
TIME: S		_					
CLIENT	REP:	_	Time				_
			Trip				
CONTR	ACTOR NOTIFIED OF RESULTS (Y/N)		Total	1			

TECHNICIAN:

2/1



CLIENT: Big			CLIENT NO;					
	PO Box 69, Blanket, Tx, 76432	_		REPORT NO: 200900				
Project: Sch					9-24 &25-2020	V.		
AUTH: Jeff				PAGE: 2 of 2				
JOBSITE IN	ieber FORMATION	TEST		METHO	D	R	EQUIREMENTS	
Contr. Big Ir		DENSITY		ASTM D			95	
JOBSITE: J	eff	MOISTURE		ASTM L		_	-1 to +3	
TIME:		GAUGE N		3430		-		
REMARKS:	South Berm Liner							
		STURE / DE	A MAIL COMMANDER OF THE PARTY O	ATIONS				
M/D	TEST	MATERI	AL		OPTIMUM		MAXIMUM	
NO.	OF	DESCRIP	TION		MOISTURI	1	DENSITY	
2	Liner	Purple Cl	ay		21.1		103.4	
3	Liner	Purple & Gre	y Clay	_	17.4		105.4	
4	Liner	Dk Br Cla	ay	_	17.3		104.9	
	IN	I-PLACE DEI	NSITY TES	тэ				
TEST	TEST	M/D	MOIS	TURE	DENS	ITY	PERCENT	
NO.	LOCATION	Linee	CONT	TENT	pc		COMPACTION	
-		-	-	lbs	-	wet	-	
S Bei	rm Liner 0-6"	4	17.7	%	104.1	dry	99.2	
				lbs	-	wet		
S ber	m Liner 6"-12"	4	17.3	%	105.3	dry	100.4	
				lbs		wet		
S Be	rm Liner 12"-18"	4	17.3	₩	102.9	dry	96.1	
				ibs		wet		
S Be	rm Liner 18"-24"	4	17.7	%	103.1	dry	98.3	
				lbs	-	wet		
S Be	rm Liner 24"-30"	4	17.0	%	104.0	dry	99.1	
				lbs	-	wet		
S Be	rm Liner 30"-36"	4	18.3	%	103.1	dry	98.3	
				lbs		wet		
		-	-	%	-	dry		
				lbs %		wet		
				lbs		dry wet		
				- 10S	-	dry		
				lbs		wet	A	
				%	No.	dry		
TECHNICIA	N: J. Slone		OFF	DIV	TEST	UNITS		
TIME: STAR			-					
CLIENT REF);		Time					
			Trip					
CONTRACT	OR NOTIFIED OF RESULTS (Y/N	}	Total				1	
		<i></i>						

TECHNICIAN:

2



	NT: Big Iron			CLIENT				
	RESS: PO Box 69, Blanket, Tx, 76432				TNO: 20090			
Projec	ct: SchrieberFood				-30, 10-1, 10-	2, 10-5-20	20	
AUTH	l: Jeff			PAGE: 2 of 2				
JOBS	ieber OBSITE INFORMATION CONT. Big Iron OBSITE: Jeff IME: EMARKS: Bottom Liner E 1/3 NO TEST O. OF Liner Liner Liner	TEST		METHO	D	Ri	REQUIREMENTS	
Contr	: Big Iron	DENSITY		ASTM D	2922		95	
		MOISTURI	E	ASTM D	3017	_	-1 to +3	
TIME:		GAUGE N	O.	3430		-		
REMA	ARKS: Bottom Liner E 1/3							
		OISTURE / DEN		LATIONS				
M/D NO.		MATERI/ DESCRIPT			OPTIMUM MOISTURE		MAXIMUM DENSITY	
2		Purple Cla			21.1		103.4	
3		Purple & Grey		-	17.4		105.4	
4		Dk Br Cla		=	17.3		104.9	
	· · · · · · · · · · · · · · · · · · ·	IN-PLACE DEN	ISITY TES	STS				
TEST	TEST	M/D		TURE	DENS	ITY	PERCENT	
NO.	LOCATION	Linee		TENT	pcf		COMPACTION	
				lbs	-	wet		
	Bottom Liner E 1/3 0-6" 9/30	3	17.4	%	105.3	dry	99.9	
		-		lbs		wet		
	Bottom Liner E 1/3 6"-12" 9/30	3	17.0		102.7	dry	97.4	
				lbs	-	wet		
	Bottom Liner E 1/3 12"-18" 10/1	3	18.1	%	102.2	dry	97.0	
	T			lbs		wet		
	Bottom Liner E 1/3 18"-24" 10/1	2	20.6		102.9	dry	99.5	
	D. M I I E 4/0 0 48 DOU 40/D		00.7	lbs	400.7	wet	00.0	
	Bottom Liner E 1/3 24*-30" 10/2	2	20.7	% lbs	102.7	dry	99.3	
	Bottom Liner E 1/3 30"-36" 10/5	2	22.0		102.8	dry	99.4	
	DOCUMENTE IN SU -SU TWO		22.0	lbs	102.0	wet		
				%		dry		
		-		lbs	-	wet		
				%	-	dry		
		-		lbs		wet		
			-	%		dry		
				lbs		wet		
		-		%		dry		
TECH	NICIAN: J. Slone		OFF	DIV	TEST	UNITS		
	START Stop							
CLIEN	IT REP:		Time					
			Trip					
CONT	RACTOR NOTIFIED OF RESULTS (Y.	/N)	Total	1			1 1	

TECHNICIAN:



CLIENT: Big Iron			CLIENT	NO:			
ADDRESS: PO Box 69, Blanket, Tx, 76432			REPORT NO: 200904				
Project: SchrieberFood			DATE: 10-1, 10-2, 10-5 -2020				
AUTH: Jeff			PAGE:	2 of 2			
ieber JOBSITE INFORMATION	TEST		METHO	D	R	EQUIREMENTS	
Contr: Big Iron	DENSITY		ASTM D	The state of the s		95	
JOBSITE: Jeff	MOISTUR	lE	ASTM D		_	~1 to +3	
TIME:	GAUGE N		3430		-		
REMARKS: Bottom Liner W 1/3		X					
	MOISTURE / DE	NSITY REI	LATIONS				
M/D TEST NO, OF	MATERI. DESCRIP			OPTIMUM MOISTURE		MAXIMUM DENSITY	
2 Liner	Purple Cl			21.1		103.4	
3 Liner	Purple & Gre	and the second second second	_	17.4		105.4	
4 Liner	Dk Br Cla		-	17.3		104.9	
	IN-PLACE DE	NSITY TES	TS				
TEST TEST	M/D		TURE	DENSI	TY	PERCENT	
NO LOCATION	Linee		TENT	pcf	•	COMPACTION	
			lbs		wet		
Bottom Liner W 1/3 0-6" 10/1	3	16.9		102.0	dry	96.8	
			lbs		wet		
Bottom Liner W 1/3 6"-12" 10/1	3	18.0	%-	105.0	dry	99.6	
Dallam Linau 181 A /2 A OU 40N 40/4	0	17.7	ibs	103.0	wet	A** **	
Bottom Liner W 1/3 12"-18" 10/1	3		% lbs	103.0	dry	97.7	
Bottom Liner W 1/3 18"-24" 10/1	2	21.1	%	104.2	dry	100.8	
BOROTT EITHER VV 173 10 -24 10/1		41.1	lbs	104.2	wet	100.0	
Bottom Liner W 1/3 24"-30" 10/2	3	16.9	%	105.3	dry	99.9	
Detail and IV 170 2-1 00 10/2		10.0	lbs	100.0	wet		
Bottom Liner W 1/3 30"-36" 10/5	2	20.8		104.1	dry	100.7	
	-		ľbs		wet		
			%		dry		
			lbs	S.	wet		
			%		dry		
			lbs		wet		
	-		%		dry		
			lbs	-	wet		
)	-	***	%		dry		
TECHNICIAN: J. Sione	******	OFF	DIV	TEST	UNITS		
TIME: START Stop							
CLIENT REP:		Time					
ACTUAL OTOR MOTERIA APPROXICE	7 M D	Trip					
CONTRACTOR NOTIFIED OF RESULTS (Y/N)	Total					

TECHNICIAN: C



IN-PLACE DENSITY TEST SERVICE ORDER

CLIENT	; Big Iron			CLIENT			
	SS: PO Box 69, Blanket, Tx, 76432				T NO: 20090		
	SchrieberFood				0-1, 10-2, 10-	5 -2020	
AUTH:				PAGE:	1 of 1		
JOBSIT	ieber E INFORMATION	TEST		METHO	D	R	EQUIREMENTS
Contr: E		DENSITY		ASTM D	2922		95
JOBSIT		MOISTURE		ASTM D		-	-1 to +3
TIME:	EL EST.	GAUGE NO		3430		-	
REMAR	KS: Bottom Liner Center 1/3						
	M	OISTURE / DEN	SITY REL	ATIONS			
M/D	TEST	MATERIA	T		OPTIMUM		MAXIMUM
NO.	OF	DESCRIPT	ION		MOISTURE	E	DENSITY
2	Liner	Purple Cla	y		21.1		103.4
3	Liner	Purple & Grey	Clay		17.4		105.4
4	Liner	Dk Br Cla	у	_	17.3		104.9
		IN-PLACE DEN	SITY TES	TS			
TEST	TEST	M/D	MOIS	TURE.	DENS	SITY	PERCENT
NO.	LOCATION	Linee	CONT	TENT	pc		COMPACTION
				lbs		wet	
8	3ottom Liner Cen 1/3 0-6" 10/1	3	17.1	₩	103.1	dry	97.8
			-1	lbs		wet	
В	Bottom Liner Cen 1/3 6"-12" 10/1	3	18.1	%	102.9	dry	97.6
				lbs		wet	
	Bottom Liner Cen 1/3 12"-18" 10/1	2	21.8	₩	106.0	dry	102.5
				lbs		wet	
8	Bottom Liner Cen 1/3 18"-24" 10/1		21.7	%	105.1	dry	101.9
				lbs		wet	
B	Bottom Liner Cen 1/3 24*-30" 10/2	2	21.8	%	101.8	dry	98.5
				lbs		wet	
	Bottom Liner Cen 1/3 30"-36" 10/5	3	18.0	%	102.4	dry	97.6
				lbs		wet	
				4		dry	
				lbs %		dry	
			-	lbs		-	
				- W	-	dry	
		-		lbs		wet	
				%		dry	
TECHNI	ICIAN: J. Slone		OFF	DIV	TEST	UNITS	
TIME: S			OF P	DIV	7201	OHITC	-
CLIENT			Time				
OLICN!	NET.		Trip	-			
CONTR	ACTOR NOTIFIED OF RESULTS (Y	/N1	Total	_			

TECHNICIAN: C



IN-PLACE DENSITY TEST SERVICE ORDER

CLIEN	T: Big Iran			CLIENT	NO:		
ADDR	ESS: PO Box 69, Blanket, Tx, 76432	_			T NO: 20090		
Projec	t: SchrieberFood				0-1, 10-2, 10-	5 -2020	
AUTH:		 -		PAGE:	1 of 1		
JOBSI	leber	TEST		METHO	D	RI	EQUIREMENTS
Contr:	Big Iron	DENSITY		ASTM D	2922		95
	TE: Jeff	MOISTUR	E	ASTM D		::	-1 to +3
TIME:		GAUGE N		3430		0	
REMA			1				
	MOIS	STURE / DEI		_ATIONS	The second secon		
M/D	TEST	MATERL			OPTIMUM		MAXIMUM
NO.	OF	DESCRIPT			MOISTURE		DENSITY
2	Liner	Purple Cl		_	21.1		103.4
3		Purple & Gre		_	17.4		105.4
4	Liner	Dk Br Cle	ay .	-	17.3		104.9
		PLACE DE				25110	
TEST	TEST	M/D	MOIS		DENS		PERCENT
NO.	LOCATION	Linee	CON		pcf		COMPACTION
		•		lbs	105.4	wet	404.0
	W Berm Liner 0-6" 10/1	2	21.8		105.1	dry	101.6
	IN Describer OF ADV. 4014	0		lbs %	404.7	wet	404.3
	W Berm Liner 6"-12" 10/1	2	20.3		104.7	dry	101.3
	10/ Dame himme doll doll 40/4	•	20.4	lbs %	103.6	dry	100.2
	W Berm Liner 12"-18" 10/1		20.4	Ibs	103.0	wet	100.2
	W BermLiner 18"-24" 10/2	2	20.6	<u>%</u>	102.1	dry	98.7
	VV Deliticater 10 -24 10/2		20.0	lbs	102.1	wet	
	W Berm Liner 24"-30" 10/2	2	21.0	%	103.0	dry	99.6
	VV DOMIN LINE 24 -00 TO/2		21.0	lbs	100.0	wet	
	W Berm Liner 30"-38" 10/5	2	20.6		102.0	dry	98.6
	Tr Bollin Enter Co Co Toro			lbs	2	wet	(4):
			-	%	0	dry	
				lbs		wet	
				%		dry	
				lbs	************	wet	
				%		dry	
				lbs		wet	
				%		dry	
TECHI	NICIAN: J. Slone	_	OFF	DIV	TEST	UNITS	
	STARTStop	_					
CLIEN	T REP:		Time				+-
			Trip				
CONT	RACTOR NOTIFIED OF RESULTS (Y/N)		Total	n 1	- 1		1 1

TECHNICIAN: C

ATTACHMENT 4 – SAFETY DATA SHEETS

SDS Summary Table

Manufactures Product Identification Number ALGARITE 800 AQUA AMMONIA 26 DGE BE BWT - 20	Product Use Biocide, Fungicide & Algaecide Cleansing Agent Scavenger	Chemical Composition -Water - 7732-18-5 -Glutaraldehyde - 111-30-8 -Water - 7732-18-5 -Aqua Ammonia - 1336-21-6 -Water - 7732-18-5 -Sodium Hydroxide - 1310-73-2	Product Classification Non- Persistent Non- Persistent Non- Persistent	Product or active ingredient half-life 4 hrs. 3 hrs. 3.5 hrs.	Frequency of product use Daily Daily Daily	-Algae Acute: EC50 2.64 mg/l 72 HrsDaphnia Acute: EC50 2.65 mg/l 24 HrsDaphnia Acute: EC50 17 to 25 mg/l 24 HrsDaphnia Acute: LC50 0.11 mg/l 48 HrsDaphnia Acute: LC50 0.69 mg/l 48 HrsDaphnia Acute: LC50 10.8 mg/l 96 HrsDaphnia Acute: LC50 10.8 mg/l 96 HrsAcute toxicity to invertebrates: LC50 2.94 mg un-ionized NH3L 96 HrsBluegill: LC50 9 mg/l 48 HrsBluegill: LC50 9 mg/l 48 HrsMosquitofish: LC50 11 mg/l 96 Hrs.	Concentration of whole product in waste stream <0.1% <0.1%	ation seam
AQUA AMMONIA 26 DGE BE	Cleansing Agent	-Water – 7732-18-5 -Aqua Ammonia – 1336-21-6	Non- Persistent	3 hrs.	Daily	-Acute toxicity to invertebrates: I mg un-ionized NH3-N/L 48 I -Acute toxicity to Fish: LC50= 0.09 un-iconized NH3L 96 Hrs	.C50 2.94 Hrs)-3.51 mg	C50 2.94 <0.1% Hrs }-3.51 mg
BWT - 20	Boiler Oxygen Scavenger	-Water – 7732-18-5 -Sodium Hydroxide – 1310-73-2	Non- Persistent	3.5 hrs.	Daily	-Bluegill: LC50 9 mg/l 48 Hr -Mosquitofish: LC50 11 mg/l 90	S: 5 Hrs.	s. <0.1% 5 Hrs.
BTW - 90	Boiler Scale Inhibitor	-Water – 7732-18-5 -Sodium Hydroxide – 1310-73-2	Non- Persistent	3.5 hrs.	Daily	-Bluegill: LC50 4 mg/1 48 Hrs. -Mosquitofish: LC50 5 mg/1 96 Hrs.	irs. 6 Hrs.	lrs. <0.1% 6 Hrs.
Sulfuric Acid 93%	PH Adjuster	-Water – 7732-18-5 -Sulfuric Acid 93% - 7664-93-9	Non- Persistent	1 min.	Daily	-Bluegill (Sunfish): LC50; 48 Hrs.: 49 mg/l (Tap water, 20 deg C) -Flounder: LC50; 48 Hrs.: 100-330 mg/l (Aerated water)	::: 49 mg/l 330 mg/l	:: 49 mg/l <0.1% 330 mg/l
BROMMAX 7.1	Water Treatment Anti-Microbial	-Sulfamic Acid, N-Bromo, Sodium Salt — 1004542-84-0 -Sodium Hydroxide — 1310-73-2	Non- Persistent	30 min.	Two times weekly	No Information Available	ē	le <0.1%
CTI-MOL	Closed Loop Inhibitor	-Molybdic Acid Disodium Salt – 10102-40-6 -Disodium Tetra borate Decahydrate – 001303-96-4 -Potassium Hydroxide = 1310-58-3	Non- Persistent	30 min.	Once per month	-Bluegill: LC50 1 mg/l 48 Hrs. -Mosquitofish: LC50 1.25 mg/l 96 Hrs.	17s.	17s. <0.1%
CWT-1100M	Scale Inhibitor	-Water – 7732-18-5 -Sodium Hydroxide – 1310-73-2	Non- Persistent	3.5 hrs.	Daily	-Bluegill: LC50 16 mg/l 48 Hrs. -Mosquitofish: LC50 21 mg/l 96 Hrs.	Hrs. 96 Hrs.	Hrs. <0.1% 96 Hrs.

I/6 ALGARITE 800

SAFETY DATA SHEET

PRODUCT IDENTITY: ALGARITE 800 COMPANY IDENTITY: CCI

SDS DATE: 10/23/2014 REPLACES: 06/09/2012

Chemical Safety Cards of the Global Harmonizing System.
THIS SDS COMPLIES WITH GFR 1910.1200 (HAZARD COMMUNICATIONS STANDARD) This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International

IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)
CANUTEC: 1-613-996-6666 (CANADA) COMPANY IDENTITY: COMPANY ADRESS: COMPANY PHONE: PRODUCT IDENTITY: ALGARITE 800 SDS NUMBER: CR4414 : CCI CHEMICAL 3540 EAST 26TH STREET, VERNON, CALIFORNIA 90058 800-767-9112



SECTION 2. HAZARDS IDENTIFICATION

HAZARD STATEMENTS:

H100s = General, H200s = Physical, H300 = Health, H400s = Environmental H301+H302 H317 H320 H335 Harmful if swallowed. Toxic if swallowed. May cause an allergic skin reaction.

Causes eye irritation.

May cause respiratory irritation.

PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal P262

Do not get in eyes, on skin, or on slothing.

Wear protective gloves/protective clothing/eye protection/face protection.
P305+331+338 IF IN EYES: Ringe cautiously with water for several minutes. Remove contact lenses if present & easy to do - Continue rinsing

P405+102 Store locked up. Keep out of reach of children If exposed or you feel unwell: Call a POISON CENTER or doctor/physician

SECTION 3. COMPOSITIONANFORMATION ON INGREDIENTS

ATERIAL	CAS#	FINECS#	WL %
Water	7732-18-5	231-791-2	50
Glutaraldehyde	111-30-8		50

2/6 ALGARITE 800

Trace components: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential excitogents, reproductive toxins, respiratory treat mutagents, and sensitizers). None of the trace ingredients contribute significant Additional hexards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

If this product enters the eyes, open eyes while under gently numing water. Use sufficient force to open eyelids, Roll eyes to expose more surface. <u>Minimum</u> flushing is for 15 minutes. Seek immediate medical stimbon.

SKIN CONTACT:

If the product contaminates the skin, immediately begin decontamination with running water. <u>Miniment fushing is</u> for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes, if skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard

INHALATION:

Move person to fresh air, if effects occur, consult a physician

SWALLOWING:

If swallowed, CALL PHYSIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink, DO NOT INDUCE VOMITING, Never induce vomiting or give liquids to semeone who is unconscious, having convulsions, or unable to swallow, Seek

NOTES TO PHYSICIAN: clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesticated the induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis

Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of the label and SDS to physician or health professional with victim

SECTION 5. FIRE FIGHTING MEASURES

FIRE & EXPLOSIONS PREVENTIVE MEASURES.

EXTINGUISHING MEDIA:

Water, Water spray, foam, carbon dioxide (CO2). Dry powder

SPECIAL FIRE FIGHTING PROCEDURES

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

3/6 ALGARITE \$70

FLASH POINT: >100°C (212°F)

AUTOIGNITION TEMPERATURE: N/A

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:

Uncontrolled releases should be responded to by mained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

PERSONAL PRECAUTIONS:

Spilled material may cause a slipping hazard. Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment.

ENVIRONMENTAL PRECAUTIONS:

Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to provent spreading of the material. Close or tap valves unifor block or plug hole in leaking comminer and transfer to another container, keep from entering stom source distillate which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

CONTAINMENT AND CLEAN-UP MEASURES.

Absorb spilled liquid with poly pads or other suitable absorbent materials. Clean up with non-combustible absorbent (such as: sent, soft, and so orn). Shovel up and place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable have and regulations and product characteristics at time of disposal (see Section 13- Disposal Considerations).

SECTION 7. HANDLING AND STORAGE

HANDLING:

Product shipped/handled hot can cause thermal burns. Avoid conact with skin, eyes and clothing. Wash thoroughly after handling.

Freezing will affect the physical condition and may damage the material. Keep in a dry cool place (0-30°C). Keep away from heat and sources of ignition.

SECTION &. EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL Water Glutaraldehyde	CAS# 7732-18-5 111-30-8	TWA (OSHA) None Known Not Established	None Known 0.2 mg/m3
Water Glutaraldehyde	7732-18-5 111-30-8	None Known Not Established	0.2 mg/m3
MATERIAL Glutaraldehyde	CAS# 111-30-8	CEILING STEL (C	CEILING STEL (OSHA/ACGIH) HAP NA NA None Known No

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

4/6 ALGARITE 800

RESPIRATORY EXPOSURE CONTROLS:

A respiratory protective program that meets OSHA CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILATION:

SPECIAL: LOCAL EXHAUST: Recommended MECHANICAL (General): Recommended

None OTHER:

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

PERSONAL PROTECTION:

Wear OSHA Standard full face shield. Consult Safety Equipment Supplier, Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers. Wash at the end of each work shift & before earing, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES:

N/A None Not Available	VISCOSITY (mPas): AUTO IGNITION TEMPERATURE: DECOMPOSITION TEMPERAURE:
9.09I Complete	POUNDS/GALLON: WATER SOLUBILITY:
1_08-1_10	SPECIFIC GRAVITY (Water = 1):
Not Available	VAPOR DENSITY (air = 1):
0.2	VAPOR PRESSURE (mm of Hg)@20 C:
Not Available	UPPER FLAMMABLE LIMIT IN AIR (% by vol):
Not Applicable	LOWER FLAMMABLE LIMIT IN AIR (% by vol):
Non-Combustible	FLAMMABILITY CLASSIFICATION:
Not Applicable	EVAPORATION RATE (n-BUTYL ACETATE=1):
None	FLASH POINT (TEST METHOD):
>100°C (212°F)	BOILING RANGE (IBP,50%, Dry Point):
-20°C	MELTING POINT/FREEZING POINT:
3.8 (Acidic)	Ph (Neutrality):
Not Available	ODOR THRESHOLD:
Sharp, fruity, medicinal	ODOR:
Yellow clear liquid	APPEARANCE:

SECTION 10. STABILITY & REACTIVITY

Stable under most conditions

CONDITIONS TO AVOID: Isolate from extreme heat, and open flame.

S/6 ALGARITE 800

MATERIALS TO AVOID: Strong acids, strong oxidants.

HAZARDOUS POLYMERIZATION:

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

SECTION 11. TOXICOLOGIGAL INFORMATION

LD50 Oral: 320 mg/kg Rat
LD50 Dermal >2000 mg/kg Rabbit
LC50 inhalation 0.28 mg/L (4 hours) Rat

CONDITIONS AGGRAVATED:

None Known.

CHRONIC HAZARDS

CHRONIC TOXICITY:

In animals, effects have been reported on the following organs after ingestions: Gastrointestinal tract, heart, and kidney. Does levels producing theses effects were many time a strong association between elevated blood pressure and prolonged dietary overuse. Related effects could occur in the kidneys.

CARCINOGENICITY:

This product is not classified as a carcinogen by NTP, IARC or OSHA.

MUTAGENIC DATA:

In vitro genectic toxicity studies were negative.

DEVELOPMENTAL TOXICITY:

Did not cause birth defects or any other fetal effects in laboratory animals.

SECTION 12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and water sheds.

48-Hour LC50 in Invertebrates:

Daphnia manga: 10-100 mg/L

96-Hour EC50/LC50 in Invertebrates:

Crassostrea virginita (oyster) 0.75 mg/L Mvsid shrimp 5.5 mg/L 96-Hour LC50 in Fish:

> Gloden orfe Trout/Sunfish/Sheepshead minnow 10-39 mg/L 10-100 mg/L

Avian Dietary LC50:

Mallard ducks Bobwhite quail >5000 ppm >5000 ppm

Avian Acute Oral LDS0:

Mallard ducks

0.73 ml/kg

Acute Toxicity in Plants, 72-hr EC50:

Algae

0.1-1.0 mg/L

SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate agencies.

SECTION 14. TRANSPORT INFORMATION
DOITHIO SHIP NAME: UN2922, Cornosive Liquid, Toxic, N.O.S. (Gluzaraldehyde), 8, (6.1), PG, III.
DRUM LABEL: (CORROSIVE)(TOXIC)
IATA / ICAO: UN2922, Cornosive Liquid, Toxic, N.O.S. (Gluzaraldehyde), 8, (6.1), PG, III.
IMO / IMDG: UN2922, Cornosive Liquid, Toxic, N.O.S. (Gluzaraldehyde), 8, (6.1), PG, III.
EMBERGENCY RESPONSE GUIDEBOOK NUMBER 154



6/S ALGARITE 800

7/6 AUGARITE 800

SECTION 15. REGULATORY INFORMATION

SARA (Superfund Amendments and Reauthorization Act)
SARA 302 Extremely Hazardous Substances List, No components of this product are listed.

SARA 312 Hazard Category Immediate (Acute) Health Hazzard, Delayed (Chronic) Health Hazzard

SARA 313 Toxic Chemical List

No components of this product are present above the de minimus levels

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) No components of this product are present above the de minimus levels.

RCRA (Resource Conversation and Recovery Act) Listed Hazardous Waste No components of this product are listed.

CWA (Clean Water Act) Listed Substances
No component of this product is listed.

FDA (Food and Drug Administration)

This product is approved under the following FDA (21CFR) sections: 173.220, 175.105, 176.170, 176.180, 176.500 Limitations 176.170, 176.180. For use only as an animicrobial secent in pigment and filler situries used in the manufacture of paper and paperboard at levels not to exceed 500 parts per million by weight of the situry solids. For 173.320: For use as a single additive for beet-sugar mills not more than 230 ppm.

TSCA (Toxic Substances Control Act) Applicability
All components are listed on the TSCA Inventory. Registered pesticides are exempt from the requirements of

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)
This product is a registered pesticide. EPA Reg. No. 1448-354-65517

HAZARD RATINGS:
HEALTH (NFPA); 3. HEALTH (HMIS): 3. FLAMMABILITY: 1, PHYSICAL HAZARD: 0
(Personal Protection Rating to be supplied by user based on use conditions.)
This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating system.

\$16 ALGARITE 800

NOTICE

C.C.I. makes no warranty, representation or guaranty as to the accuracy, sufficiency or of use by others of this product. warranty, express or implied is made by C.C.I. as to the effects of such use, the results to be completeness of the material set forth herein. It is the user's responsibility to determine the safety. obtained or the safety and toxicity of the product nor does C.C.I. assume any liability arising out literature may be available upon request. Since actual use by others is beyond our control, no toxicity and suitability of his own use, handling and disposal of the product. Additional product based upon data obtained from the manufacturer and/or recognized technical sources; however, All information, recommendations, and suggestions appearing herein concerning this product are

Fion Product v: 25768 Name: AQUA AMMONIA 26 DEG (29.4%) Desc: (DOT-\$P11836) BRENNIAG SOFT HWEST NO <u>ئ</u> Thursday, September 11, 2014

BRINATAG SOUTHWEST PRODUCT IDENTITY: AQUA AMMONIA 26 DEG EE PRODUCT IDENTITY: AQUA AMMONIA 26 DEG EE MSDS 4: 987987 NEW MSDS DATE: 03/21/2011 DATE: 03/31/11 PAGE 1 OF S

This Material Sidery Data Shart contours to the requirements of ANET 2400.1 This MEDIC CONTLINE WITH 18 CTR 1910.1200 (MALAUM COMMUNICATION STRANDSD) THIS MEDIC CONTENTS WITH 18 CTR 1910 (MALAUM COMMUNICATION FRANCIST) THIS MEDICAL CONTENTS A USERN Of this product. Page this information on to employees, customers, a usern of this product. MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY:
COMPANY IDENTITY:
COMPANY ADDRESS.
COMPANY PROME:
CHEMINEC PHONE: 2: AOUR AMMONTA 26 DEG BE BESUMTAG SOUTHMEST 610 FISHER ROAD LONGVIEW.TX 75804 1-903-759-7151 1 800-424 9300

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/FREPARATION AND COMPANY

SECTION 2. COMPOSITION/INFORMATION ON INCREDIENTS

CONTAINS: (S) 75% WATER (7732 18 5), 20-30% AQUA AMMONTA (1336-21-6)

SECTION 3. HAZARDS IDENTIFICATION

561 934 937 826 536/37/39 Irricating to the respiratory system.

Series Text PRESSES:

10 case of contract with eye, rince immediately with

11 case of contract with eye, rince immediately with

12 case of contract in the sea section immediately in the season in case of accident or in you see promise.

13 case of accident or in you see promise.

14 case of accident or in you see promise.

15 case of accident or in your season medical advice in medicately. (Show in your season medicately). (Show in your season medicately of the season medicat RISK STATEMENTS: Causes burns SECTION 4. FIRST AID MEASURES

FOR CONFACT:

FOR CYCL, flush with plenty of water for 15 minutes & get medical attention.

FOR CYCL, flush with skin immediately remove contaminated clothing.

In case of contact with skin immediately remove contaminated clothing before reservants thereognity with soap & water. Mash contaminated clothing before reservants.

INVALITY ON:

INVALITY ON

IMP WEANT. Whe Broming believes the information contained heren to be accurate. Breming makes no representation or warranty express or supplied reporting, and passance to subsety for, the accuracy or completeness of the information. The Beyest assente all responsibility for the accurate and accurate the accurate and accurate the foreign and accurate accurate and accurate accurate and accurate and accurate and accurate and accurate accurate and accurate and accurate accurate and accurate accurate accurate and accurate a

From BRENNTAG SOUTHWEST INC. Product = 25768 Name: AQUA AMMONIA 26 DEG (29.4%) Desc: (DOT-SPI1886) Τo Thursday September 11 2014

BREWNIAG SOUTHWEST FRODUCT IDENTITY: MS-DS 4: 947987 AÇUA AHMONIA 26 DEG BE NEW MSDS DATE: 03/31/2011 DATE: 03/31/11 FAGE 2 OF 5

SECTION 5. FIRE FIGHTING MEASURES

ExTREGUTSFIRE MEDIA RFPA Class B extinguishers (Carbon Dioxide or foam) for Class III9 liquid fires

SPECIAL TIRE FIGHTING PROCESURES

Morer spary may be ineffective on fire but can protect fire-lighters

A cool closed containers. Use fog nozales if water is used,

Do not enter contained fire-space without full banker goar.

(Melmet with face shield, banker coosts aloves 6 rabber boots).

Use NIOSH approved positive-pressure self-contained breathing apparatus UNUSUAL EXPLOSION AND FIRE PROCEDURES

ICHTLY COMBUSIZALE!

Keep container tightly closed
Tsolate from oxidizers, Acids best, & open flame.
Closed containers may oxplode if exposed to extreme heat.
Applying to be: surfaces requires special precautions.
Continue all label precontains: SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEANAID PROCESSES:

Restrailize with weak sold & dilute with plenty of water. Pump aphiled liquid a put contaminated soldin boy approved contaminers for disposa; lake; a put contaminated soldin boy approved contaminers for disposa; lake; lake; a contaminer with absorbert meterials. Het down with planty of water is remarked; mendiately. STOP SPILL BE SOUTCE I Dike area & coccain

SECTION 7 HANDLING AND STORAGE

STORAGE Men using, loosen bung slowly to relieve pressure. When using, loosen bung alouly to relieve pressure. Bo not score above 38 C/100 F. Store large amounts in structures made only Class III Judy16s (Resp contains rightly classe for prevent lankage; the property lyne not in use to prevent lankage; the property type not in use to prevent lankage; the property of the property Totalte from existeers, estat heet, is open flame.

Use only from existeers astat heet, is open flame.

Use only from existeers bit no colophing and the form of t reuse.
Avoid free fall of liquid. Ground containers when transferring. Do not flame out, braze, or weld Contains all label precentions: 9 101

(APCR/RAPT While Bending beleves the information contained herein to be accurate. Betting makes no expresentation or warranty express or impled, regarding, and assumes no kelling for, the accurate or completeness of the information. The Boyer assumes all exponently for handling, using another resulting the Product in accordance with the applicable federal, state, and local law. This MSISS had not in any way thut or preclude the operation and effect of any of the provisions of Brenning's terms and conditions of sale.

From Product =: 25768 Name: AQUA AMMONIA 26 DEG (29.4%) Desc: (DOT-SP11886) BRENNIAG SOLTHWEST NO 항 Thursday, Septomber II. 2014

APPENENCE

APPENENCE STABLITY

STABLE

CONDITIONS TO AVOID

CONDITIONS TO AVOID

CONDITIONS TO AVOID

ISOLATE From oxidiaters such as pr
MYTEPIALS TO AVOIT

ISOLATE From strong oxidiaters such as pr
MYTEPIALS TO AVOIT

MYTEPIALS TO AVOIT

MYTEPIALS TO AVOIT

MYTEPIALS TO AVOID

MYTEPIALS TO AVOIT

MYTEPIAL VENTILATION
LOCAL ECHANIST
MECHANICAL IGENERAL:
SPECIAL
GTHER EXPOSURE CONTROLS
Ventilate to Keep vapors of this material below 15 ppm.
Ventilate to Keep vapors of this material below 15 ppm.
If over TIV is accordance with 59 CFR 1910.134.

use NIOSH approved positive-pressure self-contained breathing apparatus,
Consult Safety Equipment Supplier Use explosion-proof equipment. work a MYGIBNIC PRACTICES:

Provide readily accessible eye wash stations a safety showers:

Nach at end of each workshift a before esting, amount or using the toilet,

Roompily remove clothing that becomes contaminated. Destroy contaminated

resther articles launder or discard contaminated clothing PERSONAL PROTECTIONS: Wheat OSEA Standard full face shield. Consult Safety Equipment Supplier_ Wear glover, apron & footwaar impervious to this material. Wash clothing before reuse. BREWNIAG SOUTHWEST PRODUCT IDENTITY: AQUA AMMONIA 26 DEG ME PRODUCT IDENTITY: AQUA AMMONIA AMMONIA 26 DEG ME PRODUCT IDENTITY: AQUA AMMONIA AMMO SECTION A EXPOSURS CONTROLS/PERSONAL PROTECTION SECTION SECTION 9 PHYSICAL DATA 10. STABILITY permangamates chromates * peroxides open Elamo. & REACTIVITY H. U6E 1000 1255/Gol 1 000 1255/Gol

(Afth R FAVT—Who determine believes the information dentined hereen to be accurated. Browning makes no representation or warranty express or impleed, regarding and assumes no ability for, the accuracy or completiones of the information. The Suyer assumes all responsibility for braiding, using and/or receiting the Product in accordance with the applicable federal, state, and heal law. The MSES did not in any way, bind or proclude the operation and effect of any, of the provisions of Browning's terms and conditions of sale.

Product =: 25768 BRENNTAG SOUTHWEST NO Name: AQUA AMMONIA 26 DEG (29.4%) Thursday, September II, 2014 Desc: (DOT-\$911336)

From

Recyrle / dispose of observing national, regional, state, bealth, safety & pollution laws, the spropriete agencies of questions east, contact the appropriete agencies.	SECTION 13 DISPO	AGUNTIC ANTIGAL INFORMATION: The most sensitive known equatic group to any componed bapain ablast 2.4 ppm or mp/L (48 hour exposeure). Tweep out of sewers and neturel water supplies. Twostarry This matecial is a mobile liquid. Decanomentarrow Decanomentarrow Acquantarrow Acquantarrow This product the completely biodept adable. This product these not accumulate or biomegnify in the	HAMPALIAN DEORGATION: MATERIAL Aqua Ammonia 1 Aqua Ammonia 1	SECTION 12. ECOLO	HATBILU O: Lecal 1: Redallowe: CONDITIONS ACREWATED CONDITIONS ACREWATED Rections with severe skin, lives or kidney problems should rections with severe skin, lives or kidney problems should rections with severe skin, lives or kidney problems should rections of the condition of	INDALATION: Sover respiratory tract irritation may occur. Vapor harminication can cause Allereic respiratory or estimative reaction. SOLLOWING: 1-1 (fertilare)	CONTACT: y to skin, defate c may cause aller y to eyes redness cause Severe skin	ACOTE HEALTH		MATERIAL 7 Mater 7 Aqua Ammonia 1	SECTION 11 TOXICO	SARDATAS SOUTHWAST PRODUCT IDENTITY: AGUA ANHONIA 26 DEG EE NSINS 9: 987987 NEW MSLE DATE: 01/31/2011
regional, state, provincial and local ste apprecies	SECTION 13 DISPOSAL CONSIDERATIONS	up to any component of this product is: supplies. able.	CAS 4 LOWEST ENGNEY LETHAL LOSE OATA LOWEST ENGNEY LOSE (ORAL) 1)36-21-0 LOWEST ENGNEY LOSE (ORAL) LOWEST ENGNEY LOSE (ORAC) LOWEST ENGNEY LOSE (ORAC) 1345-21-5 10000 ppm (rice)	SECTION 12. ECONOMICAL EXECUTATION	TIONS ACCREMATED problems should avoid use AMDS: or equal to 0.18.	occur. Vapor harmiul. -like reaction,	tis. Tried vision. Wash trospughly after handling.		CEILING STEL	CAS » Twa (OSHA) TLV (ACCTH) EAP 7732-18-5 9399 ppm 9999 ppm No 1336-21-6 50 ppm 25 ppm ko	TUXICOLOGICAL INFORMATION	DATE: 03/31/11 E PAGE 4 OF 5

IMPARTANT. While Brenthag behaves the information contained herem to be accurate. Brenthag makes no representation or warrantly express or impôcid, regarding, and assumes no fability for, the accuracy or completiones of the information. The Buyer assumes all responsibility for manding, tongs reduce resetting the Product in accordance with the applicable federal, sails, and beal laws. The MSISS sail not in any way, limit or preclude the operation and effect of any of the provisions of Brenthag's terms and conditions of sale.

Product =: 25768 Name: AQUA AMMONIA 26 DEG (29.4%) Desc: (DQT-SP11836) BRENNING SOFT HWEST NO 뒥 Thursday, Septomber 11, 2014

DOT SHIPPING NAME: Aumonia Solutions, 8, UNIET2. RO-111
-PQ; -uniet by Fut before chapping made if in a container of over
EQUIVABEL:
[CONTACTOR | CONTACTOR |
DOTHUGBUT AGGREGATE |
DURING NAME |
[CONTACTOR |
[CONTA BREWITH SOUTHWEST ROUN AMEGUNIA 26 DEG BE RODHET TOEMFITT: AGUN AMEGUNIA 26 DEG BE MEDS DATE: 03/31/2011 EPA RECULATION: SARA SECTION 311/312 MAZARDS: Acute Mealth IF > 3400 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE 'NO' OF AGEN AMMONIA IS EXCEEDED. SARA TITLE III INGREDIENTS All compensate of this product are on the TSCA list. This material contains he known products restricted under SARA Title III. Section 313 in ordunts greater or equal to 19. STATE REGULATIONS: Product is not subject to California Prop SECTION 15. REGULATORY INFORMATION SECTION 14. TRANSPORT INFORMATION SECTION 16. OTHER ENFORMATION CAS1 1336-21-6 WT. % (REG. SECTION) 27 (311.312) 3400 PACE 5 OF 5 pounds 1000

FAZARD RATINGS:
HEALTH (NFPA): 3
HEALTH (MMIS): 3
FLAMMABILITY: 1
REACTIVITY: 0

this information is intended solely for the use of individuals trained in the NFPA t PMS hazard rating systems.

EMPLOYEE TRAINED by made sware of all bazards of this macerial (as stated made stated in this High) before building it.

The supplies disclaims all expressed on inplied warrantice of nearchantability at filment for a specific use; with respect to the product on the information of the information of the information of provided herein expecting herein is based upon data extension from manufacturers and or response scenical manufacturers and the information is believed to be secured to the information of use at a symptom out contacts while the information is believed to be secured to the information of use at a symptom out contact on a discrete uses are expensible for verifying the data under their own operating conditions to describe until the product is all table to their positions and they assume the information of the data use handling and disposal of the product lesses and they assume all table in regards to the publication of use of outlands upon the information contained herein.

This information contained herein.

This information contained herein.

This information contained herein.

IMPARITANT. White Breumag behaves the information contained herein to be accutate, Breuniag malescin expression or warrainty express or implied, regarding and assumes no shaday for, the accutance or implied, regarding and assumes no shaday for, the accutance with the applicable (down) searce, and local be "The MASIS shall not in for the major and or code lage, the Product on accordance, with the applicable (down) searce, and local be "The MASIS shall not in any way, lend or preclade the operation and effort of any of the provisions of Bigonniago's terms and conductors of sale any way, lend or preclade the operation and effort of any of the provisions of Bigonniago's terms and conductors of sale

SAFETY DATA SHEET

1/9 BWT-20

COMPANY IDENTITY: CCI PRODUCT IDENTITY: BWT-20 SDS DATE: 08/24/2017 REPLACES: 01/22/2014

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System. THIS SDS COMPLIES WITH CFR 1910.1200 (HAZARD COMMUNICATIONS STANDARD)

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Pass this information on to employees, customers, & users of this product. IMPORTANT: Read this SDS before handling & disposing of this product.

COMPANY IDENTITY: CCI CHEMICAL
COMPANY ADRESS: 3540 EAST 26TH STREET, VERNON, CALIFORNIA 90058
COMPANY PHONE: 800-767-9112 PRODUCT IDENTITY: BWT-20 SDS NUMBER: CR52

EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA) CANUTEC: 1-613-996-6666 (CANADA)

SECTION 2. HAZARDS IDENTIFICATION









EXPOSURE PREVENTION:

HAZARD STATEMENTS:

H100s = General, H200s = Physical, H300 = Health, H400s = Environmental H314 H290 Causes severe skin burns and eye damage. May be corrosive to metals.

PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal
P262
Do not get in eyes, on skin, or on clothing.
P280
Wear protective gloves/potenties to clothing/eye protection/face protection.
P305+351+338 JF JN EYES; Rinse cambously with water for several mirrates. Remove contact lenses if present &

easy to do - Continue rinsing.

If exposed or you feel unwell: Call a POISON CENTER or doctor/physician

P309+311 Store locked up. Keep out of reach of children.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

ATERIAL	CAS#	EINECS#
Sodium Hydroxide	1310-73-2	215-185-5
Water	7732-18-5	231-791-2

reproductive toxins, respiratory read managers, and sensitizers). None of the trace ingredients contribute significant Additional bearards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (28 CFR 1910.1200.) U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4). Trace components: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential cardinogens

SECTION 4. FIRST AID MEASURES

If this product enters the cyes, open eyes while under gently numing water. Use sufficient force to open eyelids. Roll eyes to expose more surface. <u>Minimum</u> flushing is for 15 minutes. Seek immediate medical attention.

SKIN CONTACT

If the product consuminates the stin, immediately begin deconsumination with rumning water. Minimum flushing is for 15 minutes, Remove consuminate clothing, taking care not to contaminate cyes, if skin becomes tritisted and irritation persists, medical attention may be necessary. Wath contaminated electing before rouse, discard contaminated shoes.

for 48 hours a coller, tie, but or weighband. If the hear has stopped, trained presented should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention, in case of inhabition of decomposition difficult, give oxygen. If breathing has suppred, trained personnel should immediately begin artificial respiration. It may be dangerous to the person providing sid to give mouth-to-mouth respectation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as After high vapor exposure, remove to fresh air. If it is suspected that the funes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest, breathing is products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance

SWALLOWING

If swallowed, CALL PHYSIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink, DO NOT INDUCE VONITING, Never induce ventiling or give fiquids to semeone who is unionscious, having convulsions, or unable to swallow. Seek immediate medical attention.

NOTES TO PHYSICIAN:

clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis Should be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stemach contents, this should be done by meant least likely to cause aspiration (such as: Oastric lavage after endotrached There is no specific antidote. Treatment of overexposure should be directed in the central of symptoms and the

Victims of chemical exposure must be taken for modical anemion. Rescuers should be taken for modical attention, if necessary. Take a copy of the label and SDS to physician or health professional with victim.

SECTION 5. FIRE FIGHTING MEASURES

FIRE & EXPLOSIONS PREVENTIVE MEASURES

Isolate from extreme heat and open flame.

EXTINGUISHING MEDIA:

In case of fire in surroundings, all exchiguishing agents allowed. Contact with acids gives off hydrogen sulfide, a toxic and flammable gas that may form explosive mixtures in air.

SPECIAL FIRE FIGHTING PROCEDURES: 3/9 BWT-20

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure selfcontained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES:

Noncombustible

Applying to hot surfaces requires special precautions. Closed containers may explode if exposed to extreme heat.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS: protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper

PERSONAL PROTECTIVE EQUIPMENT:
The proper protective equipment for incidental releases (such as: 1 Litter of the product released in a wellvernilated areal, use impermeable giowes (ripie-gloves, rutiter gloves and nitric gloves, over latex gloves), goggles, face shield, and appropriate body protection. In the event of a large release, use impormeable gloves, specific for the neutral hardless, chemically registant suit and boots, and hard tat. Self-Contained Breathing specific for the neutral hardless, chemically registant suit and boots, and hard tat. Self-Contained Breathing airborne concentrations in accordance with lawst OSHA and/or ANSI recommendations. Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, solect NIOSH/MSHA approved based on actual or potential

ENVIRONMENTAL PRECAUTIONS:

Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer to another container, keep from entering sourns evers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

CONTAINMENT AND CLEAN-UP MEASURES.

buffering material. (acid with sods ach or base with phosphoric acid), and test area with litmas paper to confirm neutralization. Clean up with non-combustible absorbent (such as; samd, soil, and so on). Shovel up and place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 15. Disposal Absorb spilled liquid with poly pads or other suitable absorbent materials. If necessary, neutralize using suitable

SECTION 7. HANDLING AND STORAGE

Use only with adequate ventilation. Do not get in eyes, on skin or clothing. Wear OSHA Standard full face shield. Consult Safety Equipment Supplier, Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

4/9 BWT-20

Keep separated from strong oxidants, strong acids, metals, food & feedstuffs. Keep dry.

Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage.

Wear full face shield, gloves & full protective clothing when opening or handling. When empty, drain completely, replace bungs securely.

NONBULK: CONTAINERS:
Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is Store containers away from incompatible chemicals (see section 10, Stability and Reactivity). Post warning and "NO SMOKING" signs in storage and use areas, as appropriate. Empty containers should be handle with care. Never store food, feed. Or drinking water in containers which held this product. possible. Material should be stored in a secondary containers or in a diked area, as appropriate

BULK CONTAINERS:

pipelines which contain this product. Report all leaks immediately to the proper personnel. All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or

TANK CAR SHIPMENTS:

Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturers Recommendations and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all fines. Tank cars must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be in the correct positions, before starting transfer operations.

A sample (if required) must be taken and verified prior to starting transfer operations. All lines must be blowndown and purged before disconnecting them from the tank car vessel.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

Follow practices indicated in section 6 (Accidental Release Measures). Make sure certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilations is provided. Collect all rinsares and dispose of according to applicable Federal, State, Provincial, or local procedures.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

7732-18-15 231-791-2 CAS# EIENECS# CEIL	MATERIAL CASE EINECS# TWA (OSHA) Sodium hydroxide 1310-73-2 215-185-5 None Known	
---	--	--

This product contains no EPA Hazardous Air Pollutants (HAP) in arnounts > 0.1%.

RESPIRATORY EXPOSURE CONTROLS:

A respiratory protective program that meets OSHA CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILATION:
LOCAL EXHAUST: Necessary MECHANICAL (General): Necessary

5/9 BWT-23

SPECIAL: None OTHER: None None Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent

PERSONAL PROTECTION:

edition, for details.

apron & footwear impervious to material. Wash clothing before reuse. Wear OSHA Standard full face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers. Wash at the end of each work shift & before eating, smoking or using the toiler. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or diseard contaminated clothing.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES:

DECOMPOSITION TEMPERAURE:	AUTO IGNITION TEMPERATURE:	PARTITION COEFFICIENT (n-Octanc/Water):	WATER SOLUBILITY:	POUNDS/GALLON:	SPECIFIC GRAVITY (Water = 1):	GRAVITY @ 68/68F / 20/20C:	VAPOR DENSITY (air = 1):	VAPOR PRESSURE (mm of Hg)@20 C:	UPPER FLAMMABLE LIMIT IN AIR (% by vol):	LOWER FLAMMABLE LIMIT IN AIR (% by vol):	FLAMMABILITY CLASSIFICATION:	EVAPORATION RATE (n-BUTYL ACETATE=1):	FLASH POINT (TEST METHOD):	BOILING RANGE (IBP, 50%, Dry Point):	MELTING POINT/FREEZING POINT:	pH (1% Solution):	ODOR THRESHOLD:	ODOR:	AFFEARANCE
Not Available	Not Applicable	Not Available	Complete	10_42-10.67	1.25-1.28		N/A	N/A	Not Available	Not Applicable	Non-Combustible	Not Applicable	Not Applicable	Not Applicable	Not Available	10-12	Not Available	Mild odor	Water clear liquid

SECTION 10. STABILITY & REACTIVITY

STABILITY:

Stable under most conditions

CONDITIONS TO AVOID: Isolate from extreme heat, and open flame

MATERIALS TO AVOID:

The substance is a strong base, reacts violently with acids and is corrosive. Reacts violently with strong acids.

5/9 BWT-20

HAZARDOUS DECOMPOSITION PRODUCTS:

HAZARDOUS POLYMERIZATION

SECTION 11. TOXICOLOGIGAL INFORMATION

EYE & SKIN CONTACT:

ACUTE HAZARDS

Severe burns to skin, defatting, dermatitis

Severe burns to eyes, redness, tearing, and blurred vision. Liquid can cause severe skin & eye burns. Wash thoroughly after handling.

Severe respiratory tract inflution may occur. Vapor harmful.

The applicable occupational exposure limit value should not be exceeded during any part of working exposure.

SWALLOWING:

Harmful or fatal if swallowed.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED:
None Known.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:
This product has no carribogens listed by IARC, NTP, NICKH, OSHA or ACGIH, as of this date

Greater or equal to 0.1%.

IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue

SENSITIZATION TO THE PRODUCT: No component of this product is known to be a sensitizer.

MUTAGENICITY: This product is not reported to produce mutagenic effects in humans.

EMBRYOTOXICITY: This product is not reported to produce embryotoxic effects in humans.

REPRODUCTIVE TOXICITY: This product is not reported to cause reproductive effects in humans.

TERATOGENICITY: This product is not reported to produce teratogenic effects in humans

A multigen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryoscalin is a chemical which causes damage to developing embryo (such as within the eight weeks of programes) in humans), but the damage does not programe cares; generational lines. A <u>seculoscal</u> is a chemical which causes damage to a developing forus, but the damage does not propagate across generational lines. A regressiance which interferes in any way with the reproductive toxin is any substance which interferes in any way with the reproductive

MAMMALIAN TOXICITY INFORMATION

7/9 BWT-20

TOXICITY DATA: Toxicology information for components > 1% concentration is given below: SODIUM HYDROXIDE:

Eye irritancy (monkey): Eye irritancy (rabbit): 500 ml, 24 hours (severe) 1% solution (severe) 1%, 24 hours (severe)

Eye irritancy (rabbit): Eye irritancy (rabbit): 1 mg, 24 hours (severe)

LDLO (oral, rabbit): Cytogenic analysis system LD50 (interperoneal, mouse): (grasshopper parenteral): 20 mg 40 mg/kg 500 mg/kg

LD50 ~ Dose that is lethal to 50% of a given species by a given route of exposure.

LC50 — Air concentration that is lethal to 50% of a given species in a given period of time.

LDLO—Lowest lethal dose in a given species by a given route of exposure.

SECTION 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION

EFFECT OF MATERIAL ON PLANTS AND ANIMALS!

This product may be harmful or fatal to plant and animal life if released into the environment.

Refer to section 11 (Taxicalogical Information) for further data on the effects of this product's components on test

EFFECT OF MATERIAL ON AQUATIC LIFE:

SODIUM HYDROXIDE:

TLm (bluegill): LC100 (Cyprimus carpio): TLm (mosquito fish): 180 ppm/24 hours 25 C 125 ppm/96 hour (fresh water) 99 mg/L/48 hour (tap water)

MOBILITY IN SOIL:

Mobility of this material has not been determined.

DEGRADABILITY:

This product is completely biodegradable

ACCUMULATION:

Bioaccumulation of this product has not been determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate

SECTION 14. TRANSPORT INFORMATION

DOTATDG SHIP NAME: UN1824, Sodium hydroxide solution, 8, PG-II

DRUM LABEL: (CORROSIVE)
LATLA /ICAO: UN1824, Sodium hydroxide solution, 8, PG-II
JMO/JMDG: UN1824, Sodium hydroxide solution, 8, PG-II
EMERGENCY RESPONSE GUIDEBOOK NUMBER 154





SECTION 15. REGULATORY INFORMATION

EPA REGULATIONS: SARA SECTION 311/312 HAZARDS: Acute Health

ALL components of this product are on the TSCA list

This product contains the indicated < *> toxic elemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFS 572.

This information must be included in all MSDSs that are copied and distributed for this material. SARA Title III Section 313 Supplier Notification

SARA TITLE III INGREDIENTS CAS# Sodium Hydroxide 1310-73-1310-73-2 EINECS# 215-185-5 (REG-SECTION) RQ (LBS) (311,312) 1000

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

INTERNATIONAL REGULATIONS:

The components of this product are listed on the chemical inventories of the following countries: Australia (AICS), Canada (DSL,NDSL), China (IECSC), Europe (EINECS,ELINCS), Japan (METI/CSCL, AUSTRAL), South Korea (KECI), New Zealand (NZIOC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NZIOC), Philippines (PICCS), Switzerland (SWISS), PICCS), PICCS, PICCS

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) D2B: lrritating to skin / eyes.
E: Corrosive Material.

SECTION 16, OTHER INFORMATION

S/9 B/VT-20

HAZARD RATINGS:
HEALTH (NTPA): 2, HEALTH (HMIS): 2, FLAMMABILITY: 0, PHYSICAL HAZARD: 1
(Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating system.

EMPLOYEE TRAINING:

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazzards of this material (as stated in this SDS) before bandling it.

warranty, express or implied is made by C.C.L as to the effects of such use, the results to be obtained or the safety and toxicity of the product nor does C.C.L assume any liability arising out All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, of use by others of this product. literature may be available upon request. Since actual use by others is beyond our control, no toxicity and suitability of his own use, handling and disposal of the product. Additional product completeness of the material set forth herein. It is the user's responsibility to determine the safety C.C.I. makes no warranty, representation or guaranty as to the accuracy, sufficiency or

0158

9/9 BWT-20

143 BM-1-90

SAFETY DATA SHEET

PRODUCT IDENTITY: BWT-90 COMPANY IDENTITY: CCI

SDS DATE: 01/22/2014 REPLACES: 11/07/2011

Chemical Safety Cards of the Global Harmonizing System. This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International

IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product. THIS SDS COMPLIES WITH CER 1910.1200 (HAZARD COMMUNICATIONS STANDARD)

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

SDS NUMBER:

PRODUCT IDENTITY: BWT-90

COMPANY IDENTITY: CCI CHEMICAL
COMPANY ADRESS: 3540 EAST 26TH STREET, VERNON, CALIFORNIA 90058
COMPANY PHONE: 800-767-9112

EMERGENCY PHONES: CHEMTREC: 1-300-424-9300 (USA)
CANUTEC: 1-613-996-6666 (CANADA)

SECTION 2. HAZARDS IDENTIFICATION





EXPOSURE PREVENTION: AVOID ALL CONTACT

DANGER!!

H100s = General, H200s = Physical, H300 = Health, H400s = Environmental H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. HAZARD STATEMENTS:

PRECAUTIONARY STATEMENTS:
P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal P262 Do not get in eyes, on skin, or on clothing

Wear protective gloves/protective clothing/eye protection/face protection.

P380 +338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact leases if present &

easy to do - Continue ransing.

If exposed or you feel unwell: Call a POISON CENTER or doctor/physician Store locked up. Keep out of reach of children.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Sodium Hydroxide 1310-73-2 7732-18-5 EINECS# 215-185-5 231-791-2

2/9 BWT-91

Trace components: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory trace mulagens, and sensitizers). None of the rate ingredients contribute significant Additional learneds at the concentrations that may be present in this product. All periment learned inchanged the concentrations has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200). U.S. State equivalents, and Canadian Hazardeus Materials Identification System Standard (CPR 4).

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

If this product enters the cycs, open eyes while under gently running water. Use sufficient force to open cyclids. Roll eyes to expose more surface, <u>Minitaum</u> flushing is for 15 minutes. Seek immediate medical anemion.

SKIN CONTACT:

If the product contaminates the skin, immediately begin decontamination with numing water. <u>Minimum</u> flushing is for 15 minutes. Remove comminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard contaminated shoes.

THALATION:

a collar, fie, belt or waistband. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention, in case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillano for 48 hours. It may be dangerous to the pursun providing site to give mouth-to-mosth resuscitation. If unconscious, place in recovery position and get motiful anemion immediately. Maintain an open airway. Loosen tight clothing such as difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. west an appropriate mask or self-contained breathing apparatus. Keep person were and at rest, dreathing is After high vapor exposure, remove to fresh air. If it is suspected that the fames are still present, the rescuer should

SWALLOWING:

If swallowed, CALL PHYSIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce verniting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate modical attention.

NOTES TO PHYSICIAN:

There is no specific attriduce. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may exact lung injury. Therefore, emests Should be induced mechanically or pharmacologically. If it is considered necessary to ovacuate the stornach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal

attention, if necessary. Take a copy of the label and SDS to physician or health professional with victim. Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical

SECTION 5. FIRE FIGHTING MEASURES

FIRE & EXPLOSIONS PREVENTIVE MEASURES:

isolate from extreme heat and open flame.

EXTINGUISHING MEDIA:

In case of fire in surroundings, all extinguishing agents allowed. Contact with acids gives off hydrogen sulfide, a toxic and flammable gas that may form explosive mixtures in air.

3/9 BW1-90

SPECIAL FIRE FIGHTING PROCEDURES:

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog notzles if water is used. Do not enter confined fire-space without full burker gear. [Heimer with face sheld, bunker coats, gloves & rubber boots]. Use NIOSH approved positive-pressure selfcontained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES: Noncombustible

Isolate from acids

Applying to hot surfaces requires special precautions. Closed containers may explode if exposed to extreme heat.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS: trained personnel. Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper projective equipment should be used. In case of a spill, clear the affected area, proced people, and respond with

PERSONAL PROTECTIVE EQUIPMENT:

Apparator of respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/NSHA approved based on actual or potential goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant and boots, and hard hat Self-Consisted Breathing. airborne concentrations in accordance with latest OSHA and/or ANSI recommendations The proper protective equipment for incidental releases (such as: 1 Lines of the product released in a well-ventifiated area), use impermeable gloves (triple-gloves, rubber gloves and nittle gloves, over latex gloves).

ENVIRONMENTAL PRECAUTIONS: Sop spill at source. Construct temporary dikes of dift, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking comainer and transfer to another comainer, keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emorgency assistance.

CONTAINMENT AND CLEAN-LP MEASURES:

buffuring material, (acid with sods ash or hase with phosphoric acid), and test sees with litmus paper to confirm neutralization. Clean up with non-combactible absorbent (such as: sand, soil, and so on). Showel up and place all spill residue in suriable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 13+ Disposal Absorb spilled liquid with poly pads or other suitable absorbert materials. If necessary, neutralize using suitable

SECTION 7. HANDLING AND STORAGE

Lise only with adequate ventification. Do not get in eyes, on skin or clothing. Wear OSHA. Standard till face shield. Conselt Safety Equipment Supplier. Wear goggles, face shield, gloves, zeron & footwear impervious to material. Wear clothing before reuse. NEVER pour vester into this substance. When dissolving or diluting, always add it slowly to the water.

4/9 BWT-93

STORAGE:

Keep separated from strong oxidants, strong acids, metals, food & feedstuffs, Keep dry.

Do not store above 49 C/120 F. Keep comainer fightly closed & upright when not in use to prevent leakage.

Wear full face shield, gloves & full protective clothing when opening or handling. When empty, drain completely, replace bungs securely.

NONBULK: CONTAINERS:

Never store food, feed. Or drinking water in containers which held this product. "NO SMOKING" signs in storage and use areas, as appropriate. Empty containers should be handle with care. possible. Meterial should be stored in a secondary containers or in a diked area, as appropriate.

Store containers away from incompatible chemicals (see section 10, Stability and Reactivity). Post warning and Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is

BULK CONTAINERS:

All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel,

TANK CAR SHIPMENTS:

Tank wars earrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's Recommendations and all established on-site seffery procedures. Appropriate personal protective equipment must be used (see Section 8. Engineering Contacts and Personal Protective Equipment). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times, down and purged before disconnecting them from the tank car vessel. transfer operations. Hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified prior to starting transfer operations. All lines must be blown-Tank cars must be verified to be correct for receiving this product and be properly prepared, prior to starting the

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

locked and tagged-out safely. Always use this product in areas where adequate ventilations is provided. Collect all rinsates and dispose of according to applicable Federal, State, Provincial, or local procedures. Follow practices indicated in section 6 (Accidental Release Measures). Make sure certain application equipment is

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL Sodium Hydroxide	MATERIAL Sodium hydroxide Water
CAS# 1310-73-2	CAS# 1310-73-2 7732-18-15
EIENECS#	EINECS# 215-185-5 231-791-2
CEILING STEL (OSHA) 2 ppm None Known	TWA (OSHA) None Known None Known
STEL (OSHA/ACGIH) HAP None Known No	TLV (ACGIB) None Known None Known

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

RESPIRATORY EXPOSURE CONTROLS:

A respiratory protective program that meets OSHA CFR 1910.124 and ANS) Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILATION:

LOCAL EXHAUST: Necessary MECHANICAL (General): Necessar OTHER: None

S/9 BWT-90

Please refer to ACGIH document, "Industrial Ventilation, A Mantal of Recommended Practices", most recent

PERSONAL PROTECTION:

West OSHA Sundard full face shield. Consult Safety Equipment Supplier. West goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

WORK & HYGIENIC PRACTICES:

leather articles. Launder or discard contaminated clothing. Provide readily accessible eye wash stations & safety showers. Wash at the end of each work shift & before eating, smoking or using the toilet. Promptly remove clothing that becomes comminated. Destroy contaminated

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES:

FLASH POINT (TEST METHOD):
EVAPORATION RATE (n-BUTYL ACETATE=1):
FLAMMABILITY CLASSIFICATION: GRAVITY @ 68/68F / 20/20C: SPECIFIC GRAVITY (Water = 1): VAPOR DENSITY (air = 1): VAPOR PRESSURE (mm of Hg)@20 C: BOILING RANGE (IBP_50%,Dry Point): MELTING POINT/FREEZING POINT: ODOR THRESHOLD: APPEARANCE: POUNDS/GALLON: UPPER FLAMMABLE LIMIT IN AIR (% by vol): LOWER FLAMMABLE LIMIT IN AIR (% by vol): Not Available
Not Applicable
Not Applicable
Not Applicable
Non-Combustible
Not Applicable
Not Applicable N/A A/N Not Available 12-13 Water clear liquid Mild odor

WATER SOLUBILITY:
PARTITION COEFFICIENT (n-Octaner/Water):
AUTO IGNITION TEMPERATURE: 1.31 10.9254 Not Available

SECTION 10. STABILITY & REACTIVITY

DECOMPOSITION TEMPERAURE:

Not Applicable Not Available

Stable under most conditions

CONDITIONS TO AVOID:

Isolate from extreme heat, and open flame.

MATERIALS TO AVOID:

The subtannet is a troops base, seasest violently with acids and it corrosive.

The subtannet is a troops base, seasest violently with acids and it corrosive.

Reacts violently with stroop and, causing fire & explosion bazard. Attacks many plastics, cubbus, coatings, many metals, such at aluminum, sink tin, & tead, forming flammable explosive gas (hydrogen).

Reacts with ammonium sales to produce ammoniu & causing fire bazard. Rapidly absorbs carbon dioxide & water from the air.

Contact with moister will generate heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen Sulfide.

HAZARDOUS POLYMERIZATION

SECTION 11. TOXICOLOGIGAL INFORMATION

ACUTE HAZARDS

EYE & SKIN CONTACT

Severe burns to skin, defatting, dermatitis, Severe burns to eyes, redness, tearing, blurred vision.

INHALATION:

Liquid can cause severe skin & eye burns. Wash thoroughly after handling

Severe respiratory tract irritation may occur. Vapor harmful. The applicable occupational exposure limit value should not be exceeded during any part of working exposure.

SWALLOWING: Harmful or fatal if swallowed.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED None Known

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no careinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date Greater or equal to 0.1%.

IRRITANCY OF PRODUCT: This product is initiating to contaminated tissue

MUTAGENICITY: This product is not reported to produce mutagenic effects in humans. SENSIT)ZATION TO THE PRODUCT: No component of this product is known to be a sensitizer.

EMBRYOTOXICITY: This product is not reported to produce embryotoxic effects in humans

TERATOGENICITY: This product is not reported to produce teratogenic effects in humans.

REPRODUCTIVE TOXICITY: This product is not reported to cause reproductive effects in humans.

A <u>mutagen</u> is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An <u>embryoloxin</u> is a chemical which causes damage to developing embryo (such as within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A <u>tetatogen</u> is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A <u>reproductive toxin</u> is any substance which interferes in any way with the reproductive

0161

6-9 BWT-90

MAMMALIAN TOXICITY INFORMATION

06-LASE 6/2

8/9 5WT-90

FOXICITY DATA: Toxicology information for components > 1% concentration is given below: SODIUM HYDROXIDE:

Cytogenic analysis system LD50 (interperoneal, mouse): LDLO (oral, rabbit): Eye irritancy (rabbit): Eye imitancy (rabbit): Eye irritancy (rabbit): Eye irritancy (monkey): (grasshopper parenteral): 20 mg 40 mg/kg 500 mg/kg 1 mg, 24 hours (severe) 1% solution (severe) 500 ml, 24 hours (severe) 1%, 24 hours (severe)

LD50 – Dose that is lethal to 50% of a given species by a given route of exposure, LC50 – Air concentration that is lethal to 50% of a given species in a given period of time.

LDLO -Lowest lethal dose in a given species by a given route of exposure. SECTION 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

EFFECT OF MATERIAL ON PLANTS AND ANIMALS:

This product may be harmful or fatal to plant and animal life if released into the environment.

Refer to section 11 (Toxicological Information) for further data on the effects of this product's components on test

EFFECT OF MATERIAL ON AQUATIC LIFE: SODIUM HYDROXIDE:

LC100 (Cyprimus carpio):

TLm (mosquito fish): TLm (bluegill):

180 ppm/24 hours 25 C 125 ppm/96 hour (fresh water) 99 mg/L/48 hour (tap water)

MOBILITY IN SOIL:

Mobility of this material has not been determined.

This product is completely biodegradable

ACCUMULATION:

Bioaccumulation of this product has not been determined

SECTION 13. DISPOSAL CONSIDERATIONS

national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate Processing, use or contamination may change the waste management options. Recycle / dispose of observing

SECTION 14. TRANSPORT INFORMATION

IATA / ICAO: IMO / IMDG: DOT/TDG SHIP NAME: UN1760, Corrosive Liquid, N.O.S. (Contains Sodium hydroxide), 8, PG-III DRUM LABEL: UN1760, Corrosive Liquid, N.O.S. (Contains Sodium hydroxide), 8, PG-III UN1760, Corrosive Liquid, N.O.S. (Contains Sodium hydroxide), 8, PG-III (CORROSIVE)

EMERGENCY RESPONSE GUIDEBOOK NUMBER 154

SECTION 15. REGULATORY INFORMATION



ALL components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification
This product contains the indicated < * > lock otherwisels subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372.

This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE HI INGREDIENTS CAS#
Sodium Hydroxide 1310-73-2 1310-73-2 EJNECS# 215-185-5

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties, State & local regulations may be more restrictive than federal regulations. (REG.SECTION) RQ (LBS) (311,312) 1000

STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

INTERNATIONAL REGULATIONS:

The components of this product are listed on the chemical inventories of the following countries: Australia (AICS), Canada (DSL,NDSL), China (IECSC), Europe (EINECS,ELINCS), Japan (METI/CSCL, MHLW(ISHL), South Korea (KEG)), New Zealand (NZIOC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) D2B: Irritating to skin / eyes

Corrosive Material

SECTION 16. OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA): 3, HEALTH (HMIS): 3, FLAMMABILITY: 0, PHYSICAL HAZARD: 2 (Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating system.

EMPLOYEE TRAINING:

stated in this SDS) before handling it. See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as

9/9 BWT-90

NOTICE

All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, C.C.I. makes no warranty, representation or guaranty as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety of use by others of this product. obtained or the safety and toxicity of the product nor does C.C.l. assume any liability arising out warranty, express or implied is made by C.C.l. as to the effects of such use, the results to be toxicity and suitability of his own use, handling and disposal of the product. Additional product literature may be available upon request. Since actual use by others is beyond our control, no

1/9 Sulfaric Acad 93%

SAFETY DATA SHEET

COMPANY IDENTITY: CCI
PRODUCT IDENTITY: SULFURIC ACID 93%

SDS DATE: 06/20/2013 REPLACES: 03/05/2012

Chemical Safety Cards of the Global Harmonizing System.
THIS SDS COMPLIES WITH CFR 1910.1200 (HAZARD COMMUNICATIONS STANDARD)
IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product. This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: SULFURIC ACID 93% SDS NUMBER: CR1900

SDS NUMBER:

CR1900

COMPANY IDENTITY: CCI CHEMICAL

COMPANY ADRESS: 3500 EAST 26TH STREET, VERNON, CALIFORNIA 90058

COMPANY PHONE: 800-767-9112

EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)

CANUTEC: 1-613-996-6666 (CANADA)

SECTION 2. HAZARDS IDENTIFICATION





EXPOSURE PREVENTION: AVOID ALL CONTACT!

HAZARD STATEMENTS:

H100s = General, H200s = Physical, H300 = Health, H400s = Environmental H290 May be corrosive to metals. H304 May be faul fix-mallowed. H314 Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal
P262 Do not get in eyes, on sidn, or no clothing.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305 +351 +338 IF IN EYES: Ringe cautiously with water for several minutes. Remove contact lenses if present &

If exposed or you feel unwell: Call a POISON CENTER or doctor/physician easy to do - Continue rinsing.

P309+311 P405+102 Store locked up. Keep out of reach of children.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Water	Sulfuric Acid 93%	MATERIAL
7732-18-5	7664-93-9	CAS#
231-791-2	231-639-5	EINECS#
5-7	93-94	% TW

29 Solfunic Acid 93%

reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredierns contribute significant Additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910, 1200), U.S. State equivalents, and Canadian Hizzardous Materials Identification System Trace companents: Trace ingredients (if any) are present in < 1% concentration. (< 0.1% for potential extrinogen

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

if this product enters the cytes, open eyes while under yearly running water, Use sufficient force to open eyelids. Roll eyes to expose more variace. Minimum flushing is for 15 minutes. Seek immediate medical attention.

SKIN CONTACT:

If the product concerninates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, diseased contaminated shoes

NEALATION:

for 48 hours. a collar, tie, belt of waistband, If the heart has scopped, trained personnel should immediately begin eardrapulmonary resuscitation (CPR). Seek immediate medical anention, in case of inhalation of decomposition recovery position and get medical attention immediately. Maintain an open airway, Loosen tight clothing such as difficult, give exogen. If treathing has stopped, trained personnel should immediately begin striffeial respiration it may be dergenous to the person providing aid to give mouth-to-mouth resustantion. If unconscious, place in After high vapor exposure, remove to fresh air. If it is suspected that the furnes are still present, the rescuer should wear an appropriate mask or Salf-contained breathing apparatus. Keep person warm and at rest, breathing is products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance

SWALLOWING.

If swallowed, CALL PHYSIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION, If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING, Never induce vomiting or give liquids to sameone who is unconscleus, having convultions, or unable to swallow. Seek immediate medical attention.

NOTES TO PHYSICIAN:

There is no specific artidate. Treatment of averexposure should be discreted at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis Should be induced mechanically or pharmacologically. If it is considered necessary to execute the stomach contents; this should be done by means least likely to cause aspiration (such as; Gastric lavage after entitraches)

attention, if necessary. Take a copy of the label and SDS to physician or health professional with victim Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical

SECTION 5. FIRE FIGHTING MEASURES

FIRE & EXPLOSIONS PREVENTIVE MEASURES

Isolate from extreme heat and open flame. Release of sulfur dioxide at extremely high temporatures

3/9 Sulfuri: Acid 93%

EXTINGUISHING MEDIA:

Use media appropriate for surrounding material. Use water spray to cool container exposed to fire; DO NOT get

SPECIAL FIRE FIGHTING PROCEDURES:

Water sprzy may be ineffective on fire but can protect fire-fighters & cool closed containers, Use fog nozzles if water is used. Do not enter confined fire-space without full bunker geat: (Helmet with face shield, bunker coats, gloves & nubber boots). Use NIOSH approved positive-pressure selfcontained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES:

Risk of explosion when acid combined with water organic materials or base solutions in enclosed spaces (Vacuum trucks, ranks). Follow appropriate National Fire Protection Association (NFPA) codes. Reacts with most metals, especially when dilute: Hydrogen gas release (Extremely flammable, explosive)

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:

protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper

PERSONAL PROTECTIVE EQUIPMENT:

specific for the material handled, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential The proper protective equipment for incidental releases (such as: 1 Litter of the product released in a well-ventilated area), use impermeable gloves (triple-gloves, rubber gloves and nitrile gloves, over latex gloves). airborne concentrations in accordance with latest OSHA and/or ANSI recommendations. goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves,

ENVIRONMENTAL PRECAUTIONS:

Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer the local fire or police department for immediate emergency assistance. to another container, keep from entering storm sewers and ditches which lead to waterways, and if necessary, call

CONTAINMENT AND CLEAN-UP MEASURES:

Absorb spilled liquid with poly pads or other suitable absorbent materials. If necessary, neutralize using suitable buffering material, (cautiously dilute and neutralize with lime or soda ash), and test area with litmus paper to place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to ourrent applicable laws and regulations and product characteristics at time of disposal (see Section 13 - Disposal confirm neutralization. Clean up with non-combustible absorbent (such as: sand, soil, and so on). Shovel up and

SECTION 7. HANDLING AND STORAGE

Use only with adequate ventilation. Do not get in eyes, on skin or clothing. Wear OSHA. Standard full face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse. NEVER, pour water into this substance.

4/9 Sytheric Acid 93%

DO NOT add water or other products to contents in containers as violent reactions will result with resulting high heat, pressure and/or generation of hazardous and mists. Keep containers away from heat, sparks, and flame. All closed containers must be safely vented before each opening. Sulfuric Acid must be stored in containers or tanks that have been specially designed for use with Sulfuric Acid

NONBULK: CONTAINERS: Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Asserval should be stored in a secondary continens or in a fiked area, as appropriate. Store containers sway from incompatible chemicals (see section 10. Stability and Recurioty). Fost warning and 'NOI SMOKING' signs in storage and use areas, as appropriate. Empty containers should be handle with care. Never store food, feed. Or drinking water in containers which held this product.

pipelines which contain this product. Report all leaks immediately to the proper personnel All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or

TANK CAR SHIPMENTS:

Recommendations and all established on-site safety procedures. Appropriate personal protective equipment must be used t see Section 8. Engineering Controls and Personal Protective Equipment). All folialing and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be seemed at all times. Tank cars must be verified to be correct for nearthing this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car vessel. Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in section 6 (Accidental Release Measures). Make sure certain application equipment is locked and lagged-out safely. Always use this product in areas where adequate ventilations is provided. Collect all rinsates and dispose of according to applicable Federal, State, Provincial, or local procedures

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL Sufforic Acid Water WATERIAL	CAS# 7664-93-9 7732-18-15	EIRECS# 231-639-5 231-791-2 EIERECS#	CEIL	TWA (OSHA) 1 mg/m3 None Known .ING STEL (OSHA/A)	ILV (ACGIH) 1 mg/m3 None Known
MATERIAL Sulfuric Acid	CAS# 7664-93-9	EIENECS#	CEILING None Known	STEL (OSHA/ACGIH) HAP 3 mg/m3 No	(HID)

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

RESPIRATORY EXPOSURE CONTROLS:

A respiratory protective program that meets OSHA CFR 1910.134 and ANSI 2862 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

See Subtable Acted 95%

VENTILATION:
LOCAL EXHAUST: Necessary

PERSONAL PROTECTION:

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent

OTHER:

MECHANICAL (General): Necessary

WORK & HYGIENIC PRACTICES:

Wear OSHA Standard full face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES:

leather articles, Launder or discard contaminated clothing.

Provide readily accessible eye wash stations & safety showers. Wash at the end of each work shift & before eating, smoking or using the tollet. Promptly remove clothing that becomes contaminated. Destroy contaminated

WATER SOLUBILITY:
PARTITION COEFFICIENT (n-Octane/Water):
AUTO IGNITION TEMPERATURE: GRAVITY @ 68/68F / 20/20C: SPECIFIC GRAVITY (Water = 1): UPPER FLAMMABLE LIMIT IN AIR (% by vol): VAPOR PRESSURE (mm of Hg)@20 C: EVAPORATION RATE (n-BUTYL ACETATE=1): FLAMMABILITY CLASSIFICATION: MELTING POINT/FREEZING POINT: BOILING RANGE DECOMPOSITION TEMPERAURE: POUNDS/GALLON: VAPOR DENSITY (air = 1): FLASH POINT (TEST METHOD): ODOR THRESHOLD: APPEARANCE: LOWER FLAMMABLE LIMIT IN AIR (% by vol) Not Applicable Not Available 1,84 15.345 Not Applicable
Not Applicable
Non-Combustible -10 C 290 – 338 deg C Not Applicable
Not Available
< 0.001 mm Hg @ 20 deg C Not Available 3.38 0.3 (1 N solution @ 25 C (75 F) Not Available Liquid, oily- clear colorless to yellow

SECTION 10. STABILITY & REACTIVITY

STABILITY:

Stable under most conditions.

CONDITIONS TO AVOID:

oxides SO2 SO3) Isolate from extreme heat, and open flame. Possibility of decomposition. Release of dangerous gasses (Sulfur

6/9 Sulfuric Acid 93%

MATERIALS TO AVOID:

und permanganates: causes fires and possible explosions. Allyl compounds and aldehydes: undergoes polymetrization, possibly violent. Alkalies, amines, water, hydrated safe, carboxylic acid athydrides, nitries, elefinic organits, glycols, aqueous acids: causes strong exothermic reactions. Carbonates, cyanides, sulfides, sulfiles, metals such as copper: yields toxic gas. A void temperatures greater than 300C: Yields suffor trioxide gas, which is toxic, correstive, and so oxidizer. Nitro compounds, carbides, dienes, alcohols (when heated); cause explosions. Oxidizing agents, such as chiorates

HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur trioxide gas.

HAZARDOUS POLYMERIZATION

Will not occur.

ACUTE HAZARDS

SECTION 11. TOXICOLOGICAL INFORMATION

EYE & SKIN CONTACT:

Severe burns to skin, defatting, dermatins.
Severe burns to eyes, redness, tearing, blurred vision.

Liquid can cause severe skin & eye burns. Wash thoroughly after handling.

Severe respiratory tract irritation may occur. Vapor harmful.

The applicable occupational exposure limit value should not be exceeded during any part of working exposure.

SWALLOWING

PUHALATION:

Hamful or fatal if swallowed.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED: None Known

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date Greater or equal to 0.1%.

JRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: No component of this product is known to be a sensitizer.

MUTAGENICITY: This product is not reported to produce mutagenic effects in humans.

EMBRYOTOXICITY: This product is not reported to produce embryotoxic effects in humans

TERATOGENICITY: This product is not reported to produce teratogenic effects in humans

7/9 Sulfaric Acid 93%

REPRODUCTIVE TOXICITY: This product is not reported to cause reproductive effects in humans.

A <u>mutagen</u> is a chemical which causes permanent changes to generic material (DNA) such that the changes will propagate through generational lines. An embryocogin is a chemical which causes damage to developing embryo (such as: within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A <u>testione</u> is a chemical which causes damage to a developing fatus, but the damage does not propagate across generational lines. A <u>responductive toxin</u> is any substance which interferes in any way with the reproductive

MAMMALIAN TOXICITY INFORMATION

TOXICITY DATA: Toxicology information for components > 1% concentration is given below: SULFURIC ACID:

Eye irritancy (rzbbit):

Inhalation (mouse):
Inhalation (rat):
Oral (rat): Draize test: 250 ug (severe) LC50 = 320 mg/m3/2H; LC50 = 510 mg/m3

2140 mg/kg;

LDLO—Lowest lethal dose in a given species by a given route of exposure LD50 – Dose that is lethal to 50% of a given species by a given route of exposure. LC50 – Air concentration that is lethal to 50% of a given species in a given period of time.

SECTION 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION

EFFECT OF MATERIAL ON PLANTS AND ANIMALS:

This product may be harmful or fatal to plant and animal life if released into the environmen

Refer to section 11 (Toxicological Information) for further data on the effects of this product's components on test

EFFECT OF MATERIAL ON AQUATIC LIFE: SULFURIC ACID:

Flounder: Bluegill (Sunfish): LC50; 48 hours: 49 mg/L (Tzp water, 20 deg C) LC50; 48 hours: 100-330 mg/L (Aerated water)

MOBILITY IN SOIL:

Mobility of this material has not been determined

DEGRADABILITY: This product is completely biodegradable

ACCUMULATION:

Bioaccumulation of this product has not been determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate

8/9 Sulfaine Acrid 93%

SECTION 14. TRANSPORT INFORMATION

DOT/TIDG SHIP NAME: UN1830, SULFURIC ACID, 8, PG-JI
DRUM LABEL: (CORROSIVE)
LATA / ICAO: UN1830, SULFURIC ACID, 8, PG-JI

IATA / ICAO: ÚN:836, SULFURIC ACID, 8, PG-II IMO / IMDG: UN:1830, SULFURIC ACID, 8, PG-II EMERGENCY RESPONSE GUIDEBOOK NUMBER 137





SECTION 15. REGULATORY INFORMATION

EPA REGULATIONS:

SARA SECTION 313 HAZARDS: This product contains a chemical of chemicals which are subject to the reporting requirements of the Act and Talls 40n of the code of Federal Regulations. Part 372:

ALL components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated < * > toxic charmoals subject to the trapeting requirements of Section 313 of the Emergency Planning & Community Right-Ta-Know Act of 1986 & of 40 CFR 372.

This information must be included in all MSDSs that are copied and distributed for this material.

Regulations (U.S.A):

SARA TITLE III INGREDIENTS CAS#

CAS# EINECS# 7664-93-9 231-639-5

WT% 93-94

(REG.SECTION) RQ (LBS) (103,502,313) 1000

SULFURIC ACID

CERCLA Section 103 Hazardous substances (40 CFR 302.4); SARA Section 302 Extremely Hazardous Substance (40 CFR 355); Yes : SARA Section 313. Toxic Chemicals (40 CFR 372.65); US: TSCA Inventory : Listed : Sulfacte (Acid) (Final RQ) : 1000 pounds (454 kg)

STATE REGULATIONS:
CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):
This product contains no chemicals known to the State of California to cause cancer of reproductive toxicity.

INTERNATIONAL REGULATIONS:

The components of this product are listed on the chemical inventories of the following countries: Australia (AIOS), Canada (DSL,NDSL), China (IECSC), Europe (EINECS ELINGS), Japan (NETI/CSCL, MHLWISHL), South Korea (KECI), New Zealand (NZIOC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

D2B: Irritating to skin / eyes.

Corrosive Material

SECTION 16. OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA); 3. HEALTH (HMIS); 3. FLAMMABILITY; 0, PHYSICAL HAZARD; 2
(Personal Protection Rating to be supplied by user based on use conditions.)
This information is intended selely for the use of individuals trained in the NFPA & HMIS hazard rating system.

EMPLOYEE TRAINING: See Section I for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as

stated in this SDS) before handling it.

9.9 Sulfuric Acid 93%

literature may be available upon request. Since actual use by others is beyond our control, no completeness of the material set forth herein. It is the user's responsibility to determine the safety C.C.I. makes no warranty, representation or guaranty as to the accuracy, sufficiency or of use by others of this product. obtained or the safety and toxicity of the product nor does C.C.L assume any liability arising out warranty, express or implied is made by C.C.I. as to the effects of such use, the results to be toxicity and suitability of his own use, handling and disposal of the product. Additional product based upon data obtained from the manufacturer and/or recognized technical sources; however, All information, recommendations, and suggestions appearing herein concerning this product are NOTICE

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier:

BROMMAX 7 1

Product Code:

28

Chemical Family: Water Treatment Antimicrobial Solution

500 Winmoore Way Modesto, CA 95358 (209) 581-9576 (7 AM to 5 PM, PST, Monday to Friday) Enviro Tech Chemical Services, Inc.

24 Hr. Emergency Tel.#: 800-424-9300

SECTION 2-HAZARDS IDENTIFICATION

This chemical is a pasiloide product registared by the Environmental Protection Agency and is subject to certain labeling requirements unter the Federal Insecticide, Functicide and Rodenicide Act (FIRRA). These requirements differ from the classification price and hazard information required for safety data of sects of non-pasticide chemicals. Please see Section 13 for FIFRA labeling

Classification of the Substance or Mixture:

Skin Imitation - Category 2

Acute Toxicity - Inhalation Category 4
Acute Toxicity - Dermal Category 5 Compsive to Metals - Category : Senous Eye Damaga - Calegory 1



Signal Word: DANGER

Hazard Statements;

Causes serious eye damage May be corrosive to metals May be narmful if inhaled May be harmful in contact with skin

Precautionary Statements:

Wear protective glaves(protective doth rig/eye protection face protection fresent and casy to do Continue rinsing. IF IN EYES: Ringe cautiously with valer for several mitutes. Remove contact tenses if present and casy to do Continue rinsing.

IF ON SKIN (or halr): Remove/Take off immedialely all confaminated clothing. Rinse skin with waler/shower Keep away from heal/sparks/open flames/hot surfaces - No smoking.

Keep/Store away from cothing/, loombustible materials

mixing with combustibles

Take any precaution to avoid in Keep only in original comainer.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS LEAMIC ACID, N-BROMO, redient SODIUM SALT CAS Number

SECTION 4 - FIRST-AID MEASURES

ion if you fee! unwell or are concerned

Skin Contact: Take of gamamirated dothing, shoes and leather goods (e.g., watchbards, bett). Wash with plenty of lukewarm, genty flowing water with a flushing puration of 15-20 minutes. It skin imitation or rash occurs: Get medical polytection on Wash contaminated dothing before

Eye Contact: Romove source of exposure or move person to hesh air. Rinse eyes taudicisty with tubewarm, gerity flawing water for sowned --mixtes, while holding the eyesist open. Rethove postall bress, if present and easy to Co. Communicating for 30 minutes. Take care not be force contaminated water from the numbersall beyon find the facts. Investablety call a POSION CENTERWOOD.

Ingestion: Ringe mouth, Do NOT induce vornting immediately eath a POSION CENTERWOOD.

recovery problem.

Mad leportant Symptoms and Effects, both Acute and Delayed: Clauses infalionburns that may result in pormanent impairment of vision, acute brindiness. Contact with skin can cause imitation. May be harmful if a wallower.

BROMMAX 71

Enviro Tech Chemical Services, Inc. 500 Winmoore Way Modesto.

SAFETY DATA SHEET

Indication of any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Use water spray, powder, foam, carbon dioxide

Special hazards arising from the substance or mixture: Non combustible. May give off irritating or toxic furnes (or gases) in a fire

Hazardous Combustion Products: May cause fire and explosions when in contact with incompatible materials Flammability classification (OSHA 29 CFR 1910,108) (Hazcom 2012): Non flammable

Special protective equipment and precautions for firefighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

SECTION 5 - ACCIDENTAL RELEASE MEASURES

Personal prezuitions, protective equipment and emorgeous procedures: Venilate area of leak or spil (Wear appropriate personal protective sequence is specified in Section 6, Isolate hazard area. Keep unimensurary and unimproved personnel from entering methods and materials for containment and cleaning per SMALL SPILLS (less than 1 gallon). Dike small spils with inext material (sand, earth, etc.). Collect in plastic containers only. Mach area and let dry. LARGE SPILL Should be diked with sand ahead of spill. Collect in plastic containers only. Excellent adequate Georgiamination of tools and equipment following clean up.

Special spill response procedures: Collect spills in plastic containers only. Prevent from entering sewers, waterways, or low areas.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Wear at heast chemical resistant gloves and eye protection, face shield, and chemical resistant germents when handling, moving or using this product. Co had contaminate variar, food, or feed by storage or disposal.

Conditions for Safe Storage: Store in a cool, dry, well vertilated place away from direct sunlight. Keep container desect when not in use Incompatible trateries: Avoid ottong reducing agents, soft metals, heat and acids.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation and engineering measures: Forced air, local exhaust, or open air is adequate

Respiratory Protection: Not a respiratory imitant unless cealing with a mist form, then wear appropriate MIOSH respirato

Skin Protection: Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-uss

EyerFace Protection: Wear chemical goggles; also wear a face shield if splashing hazard exists

Other Protective Equipment: Eye wash facility and emergency shower should be in close proximity.

General Hygiene Conditions: Do not eat, drink or smoke when using this product. Wash thoroughly after handling Remove and wash contaminated dolbting before re-use. Handle in accordance with good industry hygiene and safety pradice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Bright orange l'quid

Odor: Mild chlorine like odor

pH: 12 J-13 0 (1:100)

Molting/Freezing point: < -1°C / 30°F

Initial boiling point and boiling range: No information available

Specific gravity: 1.5 - 1,35 g/mL Flammability (solid, gas): Non flammable

Flash Points Not applicable

Concentration 15-25%

Solubility in water. Complete

Decomposition temperature: No information available Viscosity: 15-25 cSt at 20°C / 68°F

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Reactive with oxidizing agents, reducing agents, organic materials, metals, acids and alkalis Chemical Stability: Stable for up to 1 year when stared under normal conditions

Possibility of Hazardous Reactions: May read; with incompatible materials Conditions to Avoid: Avoid contact with strong acids and avoidizes; incompatible materials and cool temperatures (neon-positive Naturalists, Avoid strong esducing agonts, soft metals Feat and acids incomposible Naturalists, Avoid strong esducing agonts, soft metals Feat and acids Naturalists (Naturalists).

Page 2 of 4

SAFETY DATA SHEET

ntormation on lively rodes of processes

SECTION 11-TOXICOLOGICAL INFORMATION

Routes of entry - skin & eye: YES Roules of entry - inhalation: YES

Routes of entry - ingestion: YES

Routes of entry - skin absorption: NO

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:

Inhalation: May cause initation to respiratory system in mist/vapor form

ingestion: Conceye Swallowing causes severe burns of mouth, throat, and apprech. Severe scanning of secure commissing permanent hissue destruction and pagaminaly result. Symptoms may include severe pain, request, verning, distribut, harmonisping and/or tall in blood pressure. Damage may appear days after exposure

Skin: Corrosive! Contact with skin causes miztion or severe burns and scarning with greater exposures

Eye: Corrosive! Causes intation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even

Potential Chronic Health Effects:

Cardinogenicity: Not expected to be a cardinogen or tumorigen សារជេញenicity: May have ការវេជ្ញenic and ឯកាលកំពុខពរ៉េន effects with long term exposure,

Reproductive effects: May cause reproductive effects

Sensitization to material: Not a known sensitizer in humans or animals

Specific target organ effects: No information available

Medical conditions aggravated by overexposure: No information available

Toxicological data: The calculated ATE values for this mixture are:

ATE derma! = > 2000 mg/kg ATE oral = > 5000 mg/kg

ATE inhatation (mist) = 2.65 mg/L

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxibity: May be hermful to aquatic free Persistence and degradability: No information available Bioaccumulation potential: No information available

Mobility In soil: No information available

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for disposant boing contaminate water, food, or feed by storage and/or deposal. When handling refer to prosedive measures: Istad in sections 7 and 8. Empty residue from containes, interportation well, Method of disposati Depose of in accordance with all applicable technal, state, provincial and local regulations. Contact your local, state, provincial or decide antiriormental agency for specific rules.

ROFA: If product becomes a waste, it does meet the orieria of a hazardous waste as defined by the US EPA, because of Cordavity D002.

SECTION 14 - TRANSPORTATION INFORMATION

Catah shipting modes or pacage sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standarts are NOT identical and therefore can have varying classifications

US 49 CERUPOTRATAIMDG Information:

UN Proper Shipping Name: Corrosive Liquid, n.c.s. (bromide salts)

Transportation hazard class(es): 6

BROMMAX 7 1

Environ Fech Chemical Services, Inc. 500 Winterior Way

SAFETY DATA SHEET

Packing Group: III

ereat hazards: Not a Manne Policiant

SECTION 15 - REGULATORY INFORMATION

FIFRA Classification Typical Hazard Labeling, as outlined in EPA Label Review Manual

ei I	ĭ
2	zard
ž	Oata

Signal Word	DANGER
Acute Toway, oral	Note Charactes (NC)
Actie Toricky, demnal	Note Consideration (NO)
Aguse Towicity, inhulation	Not cossifed (NC)
San intelovacioni	Category I: Corrosive Causes ship bottos
Senous eye damage	Canochy I Carosive, Causes in eversible eye damage
Servicialien	Not Classified (NC)
Environmental (aquatic) toxicity	This pesting is toxic to fish and other aquatic organisms

<u>uliS. Federal Information:</u>
TSGA information: All components are listed on the TSGA invortory
US CERCLA reportable quantity (RQ); Nor. Regulated Mayeria!
SARA Title III; Apolfe Health Hazaro

SECTION 15 - OTHER INFORMATION

SARA: The Superfund Amendments and Reauthorization Acr

TSCA: Toxic Substances Control Act RCRA: Resource Conservation and Recovery AG

CFR: Code of Federal Regulations

DOT: Department of Transportation

ATE: Acure Toxicity Estimate

Preparation date: 6/09/2014

Page 4 of 4

TOK-PLD 9/1

SAFETY DATA SHEET

PRODUCT IDENTITY: CLI-MOL SDS DATE: 02/25/2015 REPLACES 02/07/2010

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cauds of the Global Harmonizing System.

THIS SDS COMPLIES WITH CFR 1910.1200 (HAZARD COMMUNICATIONS STANDARD)

IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

SDS NUMBER: CR3563
COMPANY IDENTITY: CCI CHEMICAL
COMPANY ADRESS: 3540 EAST 26TH STREET, VERNON, CALIFORNIA 90058
COMPANY PHONE: 800-767-9112 EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)
CANUTEC: 1-613-996-6666 (CANADA) PRODUCT IDENTITY: CLI-MOL

SECTION 2. HAZARDS IDENTIFICATION

HAZARD STATEMENTS:

H100s = General, H200s = Physical, H300 = Health, H400s = Environmental H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.

PRECAUTIONARY STATEMENTS: Causes eye irritation

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal P262

Do not get in eyes, on skin, or on clothing. P305+351+338 IF IN EYES, Ringe cautiously with water for several minutes. Remove contact lenses if present &

P309+311 easy to do - Combnoe ringing.
If exposed or you feel unwell: Call a POISON CENTER or doctor/physician

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

ATERIAL	CAS#	WT. %
olybdic Acid Disodium Salt	10102-40-6	5-10
sodium Tetra borate Decahydrate	001303-96-4	5-10
tassium Hydroxide	1310-58-3	3.5

Mo Mo

2/6 CCT-MOT

Trace components: Trace ingredients (if any) are present in < 1% concentration. (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract muragens, and stratifizars). None of the race ingredients countrients significant Additional hazards at the concentration that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Statey and Health Administration Standard (29 GFR, 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

If this product enters the cyes, open eyes while under gently running water. Use sufficient force to open cyclids, Roll eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

SKIN CONTACT:

If the product contaminates the skin, immediately begin decontamination with running water. <u>Minimum</u> flushing is for 15 minutes, Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, diseard contaminated shoes.

JUHALA TION:

Move person to fresh air, if effects occur, consult a physician

SWALLOWING:

If swallowed, CALL PHYSIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING, Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

NOTES TO PHYSICIAN: There is no specific antidote. Treatment of oversexposure should be directed at the control of symptoms and the Chinical condition of the patient. Any material aspirated during voting may cause lung injury. Therefore, enesis Should be induced mechanically or phermacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endorancheal

Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of the label and SDS to physician or health professional with victim.

SECTION 5. FIRE FIGHTING MEASURES

FIRE & EXPLOSIONS PREVENTIVE MEASURES: Isolate from extreme heat and open flame.

EXTINGUISHING MEDIA: Water, Water spray, foam, carbon dioxide (CO2), Dry powder

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus and full body protective clothing.

3% CTI-WOL

UNUSUAL EXPLOSION AND FIRE PROCEDURES:

FLASH POINT: NONE

AUTOIGNITION TEMPERATURE: N/A

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

PERSONAL PRECAUTIONS: Spilled material may cause a slipping hazard. Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment.

ENVIRONMENTAL, PRECAUTIONS:

Stop spill at fource. Construct temporary dikes of dirt, sand, or any appropriate readily swallable material to present spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer to another container, keep from entering storm sewers and disches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

CONTAINMENT AND CLEAN-UP MEASURES: Absorb spilled liquid with poly pasts or other suitable absorbent materials. Clean up with non-combustible absorbent (such as sand, soil, and so on). Showel up and place all spill residue in suitable containers. Dispose of at an appropriate warre disposal facility according to current applicable laws and regulations and product that afteriorists at time of disposal (see Section 13- Disposal Considerations).

SECTION 7. HANDLING AND STORAGE

HANDLING

Product shipped/handled hot can cause thermal burns. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Freezing will affect the physical condition and may damage the material. Keep in a dry cool place (0-30°C), Keep away from heat and sources of ignition.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS# EINECS# 1310-58-3 231-791-2

TWA (OSHA)
None Known

None Known TLY (ACGIH)

Potassium Hydroxide

Material Potassium Hydroxide	
CAS# 1310-58-3	
EIENECS# 231-791-2	
CEILING 2 ppm	
STEL (OSHA/ACGIH) None Known	
No No	

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%

4/6 CTT-MOL

RESPIRATORY EXPOSURE CONTROLS:

A respiratory protective program that meets OSHA CFR 1910,134 and ANSI Z86,2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILATION:

LOCAL EXHAUST: Recommended MECHANICAL (General): Recommended

SPECIAL: None OTHER: None None Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

PERSONAL PROTECTION:

Wear OSHA Standard full face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

WORK & HYGIENIC PRACTICES: Provide readily accessible eye wash stations & safety showers. Wash at the end of each work shift & before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES:

WATER SOLUBILITY: Com VISCOSITY (mPas): N/A AUTO IGNITION TEMPERATURE: N/A DECOMPOSITION TEMPERATURE: Not.	1);	VAPOR PRESSURE (mm of Hg)@20 C: Not. VAPOR DENSITY (air = 1): GRAVITY @ 68/68F / 20/20C:	(% by vol):			G POINT/FREEZING POINT:	ODOR THRESHOLD: Not. Ph (1%): 9-10	APPEARANCE: Pale ODOR: Mile
Complete N/A N/A Not Available	9.09 1.08-1.10	Not Available Not Available	Not Applicable Not Available	Not Applicable Non-Combustible	ne C		Not Available 9-10	Pale yellow/straw clear liquid Mild odor

SECTION 10. STABILITY & REACTIVITY

STABILITY:

Stable under most conditions.

CONDITIONS TO AVOID:

Isolate from extreme heat, and open flame.

2/6 CTHWOL

MATERIALS TO AVOID:

Oxidizing agents may cause exothermic reactions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and dioxide

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11. TOXICOLOGIGAL INFORMATION
Toxicology information for components > 1% concentration is given below.

NONE KNOWN

CONDITIONS AGGRAVATED:
None Known.

CHRONIC HAZARDS

CHRONIC TOXICITY:
In authors, effects have reported on the following organs after ingestions: Gastrointestinal tract, heart, and his authors. Deal events producing traces affects were many time a strong association between circated blood pressure and prolonged dictary overset. Related effects could occur in the kidneys.

CARCINOGENICITY:

This product is not classified as a carcinogen by NTP, IARC or OSHA.

MUTAGENIC DATA:

In vitro genectic toxicity studies were negztive.

DEVELOPMENTAL TOXICITY:

Did not cause birth defects or any other fetal effects in laboratory animals

SECTION 12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

FRESH FISH TOXCITY: N/A

ALGAE TONICITY:

Algal inhibbion test are not appropriate. The flocculating characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test.

6/6 CIT-WOT

BIOACCUMULATION:
Does not bioaccumulate.

SECTION 13. DISPOSAL CONSIDERATIONS

agencies. Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate

SECTION 14. TRANSPORT INFORMATION

UNINA: N/A

Classification: NON-HAZARDOUS

Proper Shipping Name: INDUSTRIAL WATER TREATMENT COMPOUND, NON D.O.T REGULATED D.O.T Hazard Name (49/CFR 172.101): NONE D.O.T. ID Number (49/CFR 172.101): NONE D.O.T. ID Number (49/CFR 172.101): NONE D.O.T. I. Hazard Class (49/CFR 172.101): NONE R.CRA Hazard Class (49/CFR 172.101): NONE R.CRA Hazard Class (40/CFR 172.501): NONE

HAZARD RATINGS:

HEALTH (NFA): 1, HEALTH (HMIS): 1, FLAMMABILITY: 0, PHYSICAL HAZARD: 1

(Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating system.

7/6 CLI-MOL

obtained or the safety and toxicity of the product nor does C.C.I. assume any liability arising out completeness of the material set forth herein. It is the user's responsibility to determine the safety. based upon data obtained from the manufacturer and/or recognized technical sources; however, All information, recommendations, and suggestions appearing herein concerning this product are of use by others of this product. warranty, express or implied is made by C.C.I. as to the effects of such use, the results to be literature may be available upon request. Since actual use by others is beyond our control, no taxisity and suitability of his own use, handling and disposal of the product. Additional product C.C.I. makes no warranty, representation or guaranty as to the accuracy, sufficiency or

1/5 CWT-1100M

SAFETY DATA SHEET

COMPANY IDENTITY: CCI
PRODUCT IDENTITY: CWT-1100M

SDS DATE: 01/22/2014 REPLACES: 02/07/2010

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System.

THIS SDS COMPLIES WITH CFR 1910.1200 (HAZARD COMMUNICATIONS STANDARD) Pass this information on to employees, customers, & users of this product. IMPORTANT: Read this SDS before handling & disposing of this product

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

COMPANY IDENTITY: CCI CHEMICAL
COMPANY ADRESS: 3540 EAST 26TH STREET, VERNON, CALIFORNIA 90058
COMPANY PHONE: 800-767-9112 PRODUCT IDENTITY: CWT-1100M SDS NUMBER: CR4049 EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA) CANUTEC: 1-613-996-6666 (CANADA)

SECTION 1. HAZARDS IDENTIFICATION

HAZARD STATEMENTS:

H100s = General, H200s = Physical, H300 = Realth, R400s = Environmental

H317 H320 H303 May cause allergic skin reaction.
Causes eye irritation.

PRECAUTIONARY STATEMENTS: P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal P262 Do not get in eyes, on skin, or on clothing.

May be harmful if swallowed.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do – Continue rinsing.
If exposed or you feel unwell: Call a POISON CENTER or doctor/physician. Wear protective gloves/protective clothing/eye protection/face protection.

P309+311

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL Sodium Hydroxide CAS# 7732-18-5 1310-73-2 EINECS# 231-791-2

reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant Additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4). Trace components: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens

2/6 C&/T-1100M

SECTION 4. FIRST AID MEASURES

If this graduct enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. Roll eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

SKIN CONTACT:

If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes, Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes initiated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard contaminated shoes

INHALATION:

Move person to fresh air, if effects occur, consult a physician

SWALLOWING

If swallowed, CALL PHYSIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vamiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek

NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the pastern. Any material aspirated during verning may cause lang injury. Desettore, enests Should be induced mechanically or pharmacologically. If it is considered necessary to execute the someth contents, this should be done by means least likely to cause aspiration (such as: Gaśtric lavage after endotracheal

Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of the label and SDS to physician or health professional with victim.

SECTION 5. FIRE FIGHTING MEASURES

FIRE & EXPLOSIONS PREVENTIVE MEASURES: Isolate from extreme heat and open flame

EXTINGUISHING MEDIA:
Water, Water spray, foam, carbon dioxide (CO2). Dry powder.

SPECIAL FIRE FIGHTING PROCEDURES None.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

AUTOIGNITION TEMPERATURE: N/A

3/6 CWT-1100M

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:

trained personnel. Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with

PERSONAL PRECAUTIONS:

Spilled material may cause a slipping hazard. Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment.

ENVIRONMENTAL PRECAUTIONS:

Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer to another container, keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

CONTAINMENT AND CLEAN-UP MEASURES:

Absorb spilled liquid with poly pads or other suitable absorbent materials. Clean up with non-combustible absorbent (such as: sand, soil, and so on). Shovel up and place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 13- Disposal Considerations).

SECTION 7. HANDLING AND STORAGE

HANDLING:

thoroughly after handling. Product shipped/handled hot can cause thermal burns. Avoid contact with skin, eyes and clothing, Wash

STORAGE:

Freezing will affect the physical condition and may damage the material, Keep in a dry cool place (0-30°C). Keep away from heat and sources of ignition.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL Sodium Hydroxide	MATERIAL Water SodiumHydroxide
CAS# 1310-73-2	CAS# 7732-18-15 1310-73-2
EIENECS#	EINECS# 231-791-2
CEILING STEL (OSHA/ACGIH) None Known	TWA (OSHA) TL None Known No None Known No
(H) HAP	TLV (ACGIH) None Known None Known

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

RESPIRATORY EXPOSURE CONTROLS:

A respiratory protective program that meets OSHA CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use,

4/6 CWT-1 100M

VENTILATION: SPECIAL: None OTHER: None OTHER: None Please refer to ACGIH document, "Industrial Ventilation , A Manual of Recommended Practices", most recent LOCAL EXHAUST: Necessary MECHANICAL (General): Necessary

PERSONAL PROTECTION:

Wear OSHA Standard full face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers. Wash at the end of each work shift & before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contamin leather articles, Launder or discard contaminated clothing.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES:

Ph (Neutrality):
MELTING POINT/FREEZING POINT: AUTO IGNITION TEMPERATURE: DECOMPOSITION TEMPERAURE: WATER SOLUBILITY: GRAVITY @ 63/68F / 20/20C: SPECIFIC GRAVITY (Water = 1): VAPOR DENSITY (air = 1): VAPOR PRESSURE (mm of Hg)@20 C: LOWER FLAMMABLE LIMIT IN AIR (% by vol): UPPER FLAMMABLE LIMIT IN AIR (% by vol): FLAMMABILITY CLASSIFICATION: FLASH POINT (TEST METHOD):
EVAPORATION RATE (n-BUTYL ACETATE=1): ODOR THRESHOLD: APPEARANCE: VISCOSITY (mPas): POUNDS/GALLON: BOILING RANGE (IBP,50%,Dry Point): 1.26 10.5084 Z Complete Not Available Not Applicable
Non-Combustible
Not Applicable
Not Available
Not Available
Not Available Not Applicable N/A Negligible Not Available 11-12 Clear Amber Liquid

SECTION 10. STABILITY & REACTIVITY

STABILITY: Stable under most conditions

CONDITIONS TO AVOID:

Isolate from extreme heat, and open flame.

MATERIALS TO AVOID:

Reactive metals and strong acids.

5/6 CWT-1100M

HAZARDOUS POLYMERIZATION:

HAZARDOUS DECOMPOSITION PRODUCTS:

Elevated temperatures may produce Phosphines, Nox, Carbon Monoxide, and Carbon Dioxide.

SECTION 11. TOXICOLOGIGAL INFORMATION

LD50 Oral: LD50/oral/rat > 2000 mg/kg (estimated) LD50/oral/rat > 2000 mg/kg (estimated)

LD50 Dermal LD50 Inhalation The product is not expected to be toxic by inhalation.

CONDITIONS AGGRAVATED:
None Known.

CHRONIC HAZARDS

CHRONIC TOXICITY:

In animals, effects have been reported on the following organs after ingestions: Gastroinestinal tract, heart, and kidney. Does levels producing theses effects were many time a strong association between elevated blood pressure and prolonged dietary overuse. Related effects could occur in the kidneys.

CARCINOGENICITY:

This product is not classified as a carcinogen by NTP, IARC or OSHA.

MUTAGENIC DATA:

In vitro genectic toxicity studies were negative.

DEVELOPMENTAL TOXICITY: Did not cause birth defects or any other fetal effects in laboratory animals

SECTION 12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:

The effects of this product on aquatic organisms are rapidly and significantly mitigated by the presence of

dissolved organic carbon in the aquatic environment

FRESH FISH TOXCITY:

LC50, Danio rerio/96 hr > 10 mg/1 (OECD 203)

ALGAE TOXICITY:

medium preventing homogenous distribution which invalidates the test Algal inhibition test are not appropriate. The flocculating characteristics of the product interfere directly in the test

EC50/Daphnia magna/48 hr > 10 mg1 (OECD 202)

8/8 CAL-1100W

BIOACCUMULATION:

Does not bioaccumulate.

SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate

SECTION 14. TRANSPORT INFORMATION

UNNA: N/A

Classification: NON D.O.T REGULATED
Poper Shipping Name: INDUSTRIAL WATER TREATMENT COMPOUND, NON D.O.T. REGULATED
D.O.T. HEAZIA WAME (49CFR 172.101); NONE
D.O.T. ID Number (49CFR 172.101); NONE
D.O.T. HEAZIA CLASS (49CFR 172.101); NONE
R.CRA HEAZIA CLASS (49CFR 172.101); NONE
R.CRA HEAZIA CLASS (49CFR 172.101); NONE

HAZARD RATINGS:

HEALTH (NFPA): 2, HEALTH (HMIS): 2, FLAMMABILITY: 0, PHYSICAL HAZARD: 1

(Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating system,

NOTICE

coxicity and suitability of his own use, handling and disposal of the product. Additional product literature may be available upon request. Since actual use by others is beyond our control, no warranty, express or implied is made by C.C.L. as to the effects of such use, the results to be obtained or the safety and toxicity of the product nor does C.C.L. assume any liability arising out of use by others of this product. All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, C.C.I. makes no warranty, representation or guaranty as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety.

2/6 CMT-1100M

ATTACHMENT 5 - ANNUAL CROPPING PLAN

5.1 Annual Cropping Plan

Figure 5.1 is the annual cropping plan for the facility. The annual cropping plan will be updated annually to assist the facility in the management of land application practices to ensure that wastewater and associated nutrients are applied at agronomic rates. The facility is permitted to land apply effluent to approximately 61 acres of improved grasses.

Schreiber Foods, Inc. Annual Cropping Plan Figure 5.1 ENVIRO-AG ENGINEERING, INC. Crop N 0-6" Soil N Crop N	
Soil N	
Cropy	
	Work
Adjusted Plant	
Adjusted Adjusted Ac-In/Ac of	

- (1) Expected yields based on historical data from facility Crops will be harvested at a maximum height of 12" to 15" and a minimum of 4" from the ground.
 (2) Taken from 30 TAC 309.20(b)(3)(B) Table 3.
 (3) From USDA-NRCS Code 590/633 "S Crops" database.
 (4) Taken from annual soil test results from April 4, 2022. It is assumed that residual N will be utilized with the first crop rotation.
 (5) Remainder N required to meet crop demands (crop requirement residual N).
 (6) Taken from the October 19, 2022 weekly irrigation wastewater sample at Schreiber Foods, Inc., Erath County.
 (7) Availability of N is calculated utilizing 30 TAC 309C.
 (8) Acre inch of wastewater to be applied based lb/ac-n available N (remainder crop N divided by adjusted plant N). No additional fertilizer is required at this rate.
 (9) Total Gallons/Ac to be applied (Ac-In/Ac of wastewater x 27154 = gallons).

Schreiber Foods Inc.

Sample Delivery Group: Project Number Samples Received: 10/19/2022 L1548022

Weekly Irrigation

Description:

Report To:

Gary McCaffity

Stephenville, TX 76401 823 CR 176

Entire Report Reviewed By: Ranger Anna

on di a vingoret is autumet auter. Teolori inspet soll noche al of seudandory Where applicate, sempleng certicolet by Pace what di jubinitary without operating procedure. EM-CZ-MT, EM, EM, Indi-to; the displace, results utilité to the accuraç of the aformation private di thy the displaces, results utilité to the accuraç of the aformation private di

Reagan Johnson Project Manager

S,

Oc: Quality Control Summary

EFF L1548022-06 INF L1548022-05

Wet Chemistry by Method 3512 Wet Chemistry by Method 1664A

Wet Chemistry by Method 353.2

Wet Chemistry by Method SM5210B

5

S.

Sr. Sample Results Cn: Case Narrative Ss: Sample Summary

IRRIGATION WATER GRAB L1548022-01

To Table of Contents Cp: Cover Pag=

TABLE OF CONTENTS

Ū,

Gl: Glossary of Terms

Sc. Sample Chain of Custody All Accreditations & Locations

0

r. 5 SS





12065 Lebenon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com PROJECT

Pace Analytical National

SDG L1548022

ACCOUNT, Schreiber Foods Inc

DATE/TIME: 11/01/22 11:38

Tof 21

ACCOUNT Satisfied Foods Inc.

PROJECT

DATE/TIME IVCV221138

PAGE 2 of 21

50G L1548022

SAMPLE SUMMARY

			Collects diffy.	Collected date/fime Received date/time	Received dates	HUN
IRRIGATION WATER GRAB L1548022-01 WW			Judes Groti	10/18/22 10:40	10/19/22 10:00	
Method	Batch	Dilution	Preparation	Analysis	Anulyst	Location
			date/lime	date/lime		
Calculated Results	WG1949373	**	10/29/22 23 10	10/29/22 23:10	CAT	Allen, TX
Wet Chemistry by Method 1664A	WG1950352	-	10/31/22 11:03	10/31/22 15:30	긎	Allen, TX
Wet Chemistry by Method 351 2	WG1949505	υī	10/28/22 19 07	10/29/22 23:10	CAT	Mt Juliet TN
Wet Chemistry by Method 353-2	WG1949873		10/27/22 15 52	10/27/22 15/52	BG	Allen TX
Wet Cheminlry by Method SM5210B	WG1945317	14	10/19/22 14 56	10/24/22 11:12	RJP	Allen, TX
			Colorated by	Callected date/time Received date/time	Received date/	line
NF L1548022-05 WW			190 - G 23	10/18/22 11 15	10/15/22 10 00	
Method	Balch	Domes	Preparation date/time	Analysis date/time	drulyd	Location
Wel Chemistry by Method 5M5210B	WG1946024	2	10/20/22 10 53	10/25/22 10:18	0	Allen, TX
EFF L1548022-06 WW			Collection by	Collected disfeltime Received distributions 10/18/22 ITTS 10/19/22 10:00	Received dates 10/19/22 10:00	lime
Method	Batch	Dilater	Preparation date/time	Analysis date/lime	Analyst	Lecifica
Wel Chemistry by Method SM52108	WG1946024	-	10/20/22 10 57	10/25/22 10:20	RUP	Allian TX

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOD) values reported for environmental samples have been corrected for the diultion factor used in the analysis. All Method and Batch Quality Control are within established criterie except where addresseed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the ibotratory as having the potential to affect the quality of the data have been identified by the aboratory, and no information or data have been knowlingly withheld that would affect the quality of the data

Reagan Johnson Project Manager













ACCOUNT Schreiber Foods Inc

PROJECT

50G L'548022

DATE/TIME: 1001/22 11 38

PAGE 3 of 21

ACCOUNT Schools Foods Inc

PROJECT

SDG L1549022

DATE/TIME WOV22 11.13

	WG1945317	10/24/2022 11 12	14	5 00		15 0	800
		date / time		ng/		mg/l	Analyte
	Batch	Analysis	Dilution	RDL	Qualifier	Result	
					ЭВ	Nethod SM521	Wet Chemistry by Method SM5210B
Sc	W61949B73	10/27/2022 15 52		0.0500		0.726	Notice Notice
AI	Batch	Analysis duly/smp	Dutten	RDL	Qualifier	Result mg/l	Analyte
G						/lethod 353.2	Wet Chemistry by Method 353.2
][WG1949505	10/29/2022 23:10	v,	1.25		29.4	Kjeldahi Nitrogen, TKN
		date / time		mg/l		mg/	Analyte
	Batch	Analysis	Dilution	RDL	Qualifier	Result	
Sr						Nethod 351.2	Wet Chemistry by Method 351,2
2	WG1950352	10/31/2022 15:30	-	5 00		So	Oll & Grease (Hexane Extr)
)	Batch	Analysis date / hme	Dilution	RDL mg/l	Qualifier	Result	Analyte
SS						Method 1664A	Wet Chemistry by Method 1664A
Tc	WG1949873	10/29/2022 23 10	اد	0 0500		30,1	Nitrogen
6	Batch	Analysis date / time	Dilution	RDL RDL	Qualifier	Result	Analyte
							Calculated Results
		SAMPLE RESULTS - 01	LE RESU	SAME		TER GRAB	IRRIGATION WATER GRAB collected date/lime: 10/18/22 10:40

ACCOUNT Schreiber Foods Inc

PROJECT:

SDG: L1548022

DATE/TIME: 150722 1138

PAGE: 5 of 21

ACCOUNT: Schreiber Foods Inc

PROJECT

SDG L1548022

DATE/TIME: 1V0V22 H 38

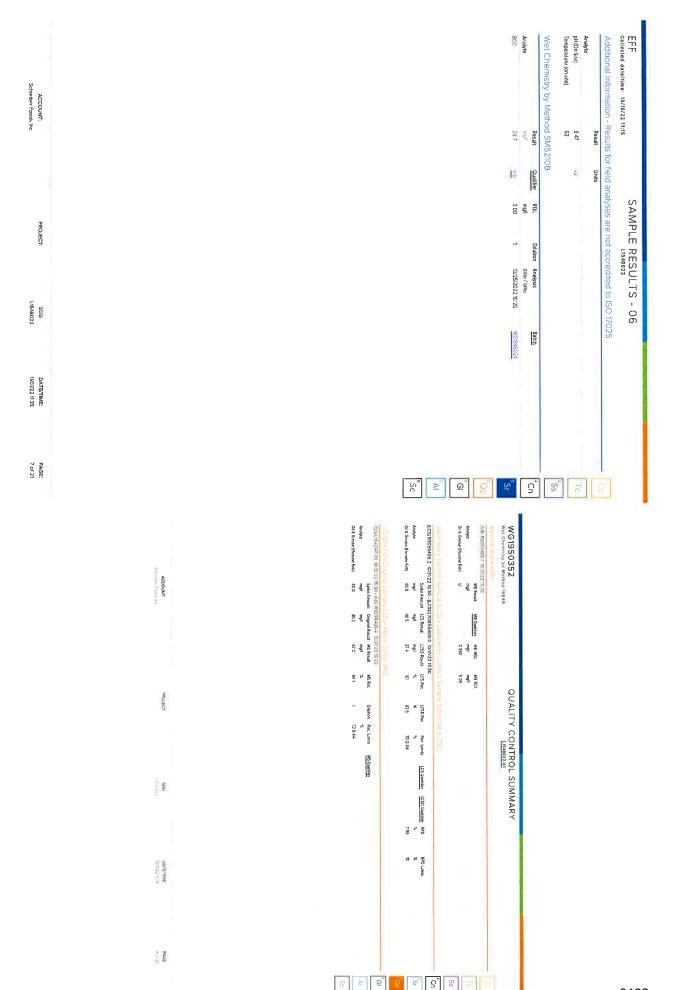
PAGE: 6 of 21

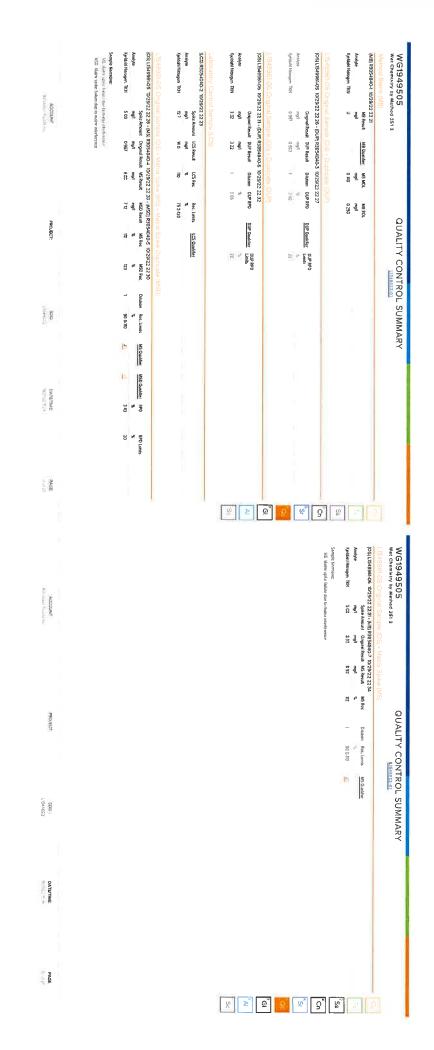


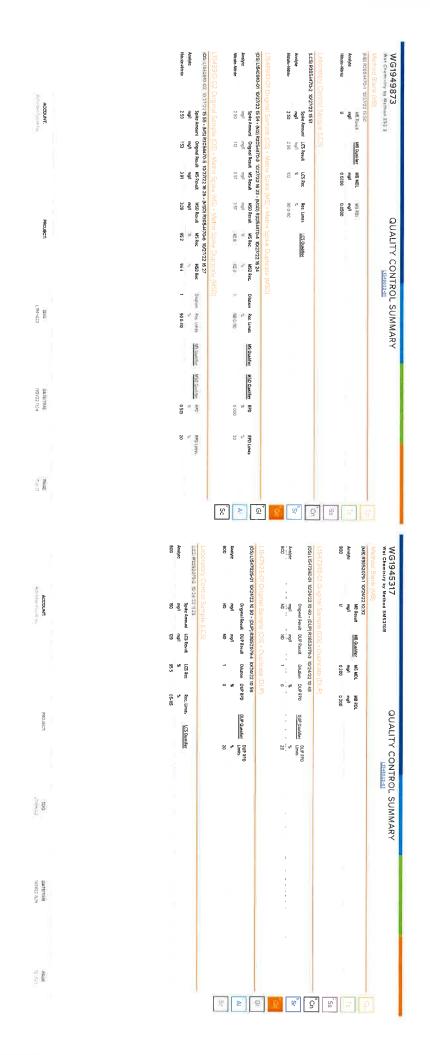
S S S

ਰੱ

≥ 0







(J)
0
_
S
S
\triangleright
\leq
\mathcal{Z}
\prec
,
\sim
\circ
_
П
Ä
Ä
Ä
Ä
TERM
Ä
TERM
TERM

Guide to Reading and Understanding Your Laboratory Report

The information below is dissigned to batter explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Oxidinar - Information that may be provided by the customer, and combined within this report, include Permit Limits, Project Name.
Sampler ID. Sampler Matrix, Sampler Sezeration, Field Barrixs, Field Spikes, Field Dupitzates, On-Site Sampling Collection Datas/Times, and
Sampling Location Results refer to the necturity of this information provided, and is the samples are necessary.

SS

5, W.

ADDIGNATIO	ADDIEVISIONS AND DEMINIONS
MDL	Method Detection Limit
S	Not detected at the Reporting Limit (or MDL where applicable)
RDL	Reparted Defection Limit
Rec	Recovery
RPD	Relative Percent Difference
SDG	Sample Delivery Group

	Construction of the contract o
RDL	Reported Defection Limit
Rec	Recovery
RPD	Relative Percent Difference
SDG	Sample Delivery Group
C	Not detected at the Reporting Limit (or MDL where applicable)
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported
Dilution	If the sample matrix contains an inerfering material, the sample preparation volume or vegict volues offer from the standard, or it concentrations of anotybes in the sample are higher than the highest limit of concentration that the laboration can accurately report, the sample may be diduced for analysis. If a value of liferent than it is used in this field, this resolution can accurately report, the sample may be diduced for analysis. If a value of liferent than it is used in this field, this resolution can be considered to the controlled of the

(NB) P3852587-1 10/25/22 1C 04
MB Result
Analyte mg/l
BCD U

MB Quolifier

M6 MDL mg/l

MB 9DL mg/l 0.200

WG1946024
Wet Chemistry by Method SM52108

QUALITY CONTROL SUMMARY

(OS) (1547999-01 10)25/22 10 12 - IDUP) R3852507-3 10:25/22 10 39 Organal Result DUP Result Dilution DUP RPD

N mg

P mg

DUP Qualifier Limits %

(05) L1540107-01 10/25/22 1116 (DUP) R3052507-4 10/25/22 10 40

Organi Result OUP Result mg/l mg/l mg/l 5 62 2 44

Diluton DUP RPD <u>DUP Quartice</u> Limits
%
1 791

These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful OC Sample analysis will larget all analytes recovered or duplicated within these ranges.

Ω

SS.

δί_ω Ç,

Limits

<u>Q</u>

Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column povides, a letter neufor number designation that corresponds to additional information concerning the result reported if a Qualifier is present, a definition per Qualifier is provided within the Glossery and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrabbe if applicable.
	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state. "NO" (Not Detected) or "BDL"

Uncertainty (Radiochemistry)	Result
Confidence level of 2 sigmn	The actual analytical final result (corrected for any sample specific throaters lots) reported for your sample. If these was no measurable invalid refund for a specific analyte, the issuit in this column may state "ND" (Not Detected) or "BDI" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDI. (Method Detection Limit) or RDI. Resporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.

[N

Sample Chain of date of collection, the parson collecting the samples, and the analyses that the abboratory is requested to perform This Custody (Sc) Custo
This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collection the samples and the analyses that the laboratory is conjusted to perform. This

100

192 U C# 194 A = 11411 192

(CS Result mg/l

26.2 22 TC2 Bev

\$1 tm

(S Sunfe)

Sample Summary (Ss)	Sample Results (Sr) t
This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis	This section of your report (will provide the results of all lesting performed nyour samples. These results are provided by sample ID and are separated by the analyses mitterned on each sample. The header line of each analysis section for each sample will provide the name and method rumber for the analysis reported.

21	89	J5	Qualifier
RPD value not applicable for sample concentrations less than 5 times the reporting limit	Test replicates show more than 30% difference between high and low values	The sample matrix interfered with the ability to make any accurate determination spike value is high	Description

PR0/ECT

2 8

DATEMIN

1 M

Schreiber Foods Inc	ACCOUNT	
	PROJECT	
LI548022	SDG	
11/01/22 11 38	DATE/TIME	
14 of 21	PAGE	

8727	Oklahoma	408	owa
T104704232-22-37		EG/TING	Florida
E10300		CC-0647	as
	400 W. Bethany Drive Suite 190 Allen, TX 75013		Pace Analytical Services, LLC -Dallas
		TN00003	EPACrypto
P330-15-00234	USDA	1461 01	Canada
1461 01	D00 1	1451 02	AZLA - ISO 17025 5
100709	AIHA-LAP LLC EMILAP	1461 01	A2LA - ISO 17025
AZLA		CERTDO06	Montana
990093910	Wisconsin	340	Missouri
233		TN00003	Mississippi
CD47	Washington	047-999-395	Minnesola
110033	Virginia	9950	Michigan
VTZ006	Vermoni	M-TN003	Massachusetts
TN000032021-11	Utah	324	Maryland
LAB0152	Texas ⁵	TN00003	Maine
T104704245-20-10		LAOIS	Louisiana
2006	Tennessee 1.4	AI30792	Louisiana
n/a		16	Kentucky ²
84004002	South Carolina	KY90010	Kentucky 16
L4000356		E-10277	Kanses
60-02979	/ania	354	lowa
TN200802		C-TN-01	Indiana
9915		200000	Illinois
CL0069		TN00003	Idaho
R-140		923	Georgia 1
ź		NELAP	Georgia
DWZ1704	-	E07407	Florida
Env375	North Carolina	PH-0197	Connecticut
11742		TN00003	Colorado
TN00003		2932	California
TN002	£	D2-0469	Arkansas
2975	Mear Humpshare	AZ0612	Arizona
TN000032021-1		17-026	Alasko
Special Special	Methodale	40660	Alabama

*Derhiking Water *Linderground Stonage Flants *Juquists Touchy *Chremical/Microbiological *Moid *Wastewater *Not all certifications held by the laboratory are applicable to the results reported in the strached report.

*Accreditation is only applicable to the test invelneds specified on each scape of accreditation held by Pace Analyzcal.

n/a Accreditation not applicable

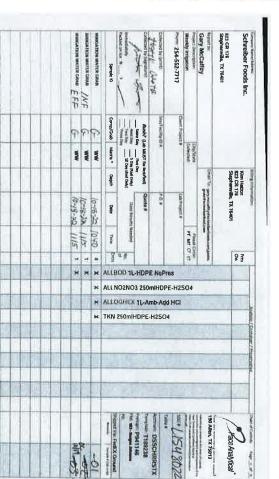
minety Special Oc.

10-15-20 1316 10/15/20 1000

Coop

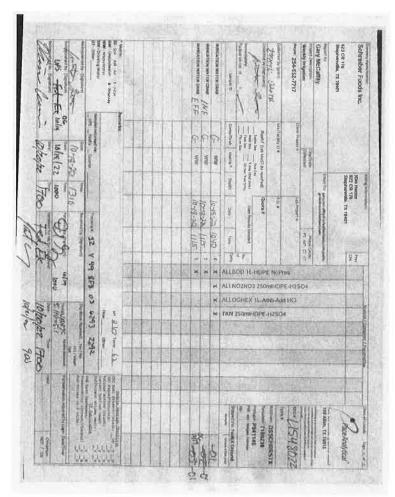
Candidan

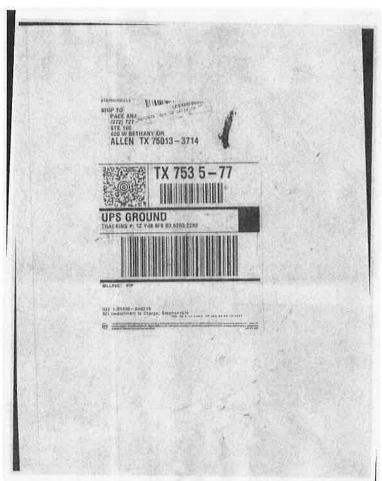
Acom Coper





Pace Analytical	Sample Condition	t Name: 1 Upon Receipt	Document Revised: 7/27/20 Page 1 of 1
	F-DAL-C-00		Issuing Authority: Page Dallas Quality Office
	Sample Condi		
₽Da		□Corpus Chri	
Client Name Schreber Foo Courier Feetx 12 UPS / USPS 12 Client 12 Tracking #: 12 Y 49 8F8	SO U PACE Dither.		e label):
Custody Seal on Cooler/Bax Yes a No			
Received on Ice: Wet a Blue to No Ice	G		
leceiving Lab 2 Thermometer Used:1 &	Cooler Temp	°C: 23 (Reco	rded) +0.5 (Correction Factor) 28 (Actually (Correction Factor) (Actually (A
The state of the s	Choier Temp	-C;(R00)	(Actu
Temperature should be above freezing to	6°C unless collected sa	me day as receipt in	which evidence of cooling is acceptable
Triage Person:060	1. 1. 1.6/21		
nageration. DO	ate: 10//		
Chain of Custody relinquished		Yes of No D	
Sampler name & signature on COC		Yes o No D	
Short HT analyses (<72 hrs)		Yes & No o	
ogin Person DC D	nte: _10/19		
	nte: 10/19	Yes ul No 🗆	
ogin Person DC 0: Sufficient Volume received Correct Container used	nte: 10/19	Yes & No o	
sufficient Volume received Correct Container used	ote: <u>10/19</u>		
Sufficient Volume received Correct Container used Container Intact Sample pH Acceptable	ote: <u>10 9</u>	Yes & No o	NA o
sufficient Volume received Correct Container used Container Intact Sample pH Acceptable pH Strips:	ote: <u> 0 9</u>	Yes & No a Yes & No a Yes & No a	
Sufficient Volume received Correct Container used Container Intact Sample pH Acceptable pH Strips cesidual Chlorine Present CE Strips CESTERS	ote: <u> 0 9</u>	Yes & No a Yes & No a Yes & No a Yes a No a	NA d
sufficient Volume received Correct Container used Container Intact Sample pH Acceptable pH Strips Catesidual Chlorine Present C Strips Cultifus Cultifus	ote: <u> 0 </u> 9	Yes & No a Yes & No a Yes & No a	NA d
Sufficient Volume received Correct Container used Container Intact Sample pH Acceptable pH Strips Clipes Clistrips Clistrips Sulfide Present Lead Acetate Strips:	-	Yes & No a Yes & No a Yes & No a Yes a No a	NA d
oufficient Volume received correct Container used container Intact ample pH Acceptable pH Strips:	- 	Yes & No a Yes & No a Yes & No a Yes a No a	na d
sufficient Volume received correct Container used container Intact sample pH Acceptable pH Strips: Hipes tesicual Chlorine Present Ct Strips: ulfide Present Lead Acetate Strips: tre soll samples (volatiles, TPH) rece not applicable to TCLP VOA or PST Pro	- lved In 5035A Kits gram TPH)	Yes & No D Yes A No D Yes A No D Yes D No D Yes D No D Yes D No D	NA d NA d
sufficient Volume received Container Intact Sample pH Acceptable pH Strips: CHJOS Residual Chlorine Present CUstrips: Lead Acetate Strips: Lead Acetate Strips: Are soll samples (volatiles, TPH) received applicable to TCLP VOA or PST Pro	- lved In 5035A Kits gram TPH)	Yes & No o Yes & No o Yes & No o Yes & No o Yes o No o Yes o No o	NA d NA d
sufficient Volume received Correct Container used Container Intact Sample pH Acceptable pH Strips Catesidual Chlorine Present C Strips Cultifus Cultifus	lived in 5035A Kits gram TPH)	Yes of No or Yes or or Y	NA d' NA d' NA d'
Sufficient Volume received Container Intact Sample pH Acceptable pH Strips: CHIPCS Residual Chlorine Present CUSTRES: Ulfice Present Lead Acetate Strips: Lead Acetate Strips: Are soil samples (volatiles, TPH) received applicable to TCLP VOA or PST Pro Jungreserved 5035A soil frozen with leadspace in VOA (>5mm) roject sampled in USDA Regulated J	lived in 5035A Kits gram TPH)	Yes of No o Yes of No o Yes o No o	NA d' NA d' NA d'





P) 3 400	Document		Document Revised 7/27/20
Pace Analytically	Sample Condition		Page 1 of 1
AND THE RESERVE	F-PAL-C-00:	L-raye.14	Pace Dalias Guality Office
		tion Upon Rece	
© Dall	as Oft Worth	OCorpus Chris	ti DAustin
Client Name Schreiber Foot Consider FedeX or 12 V Mg 1988 Constitution Tracking a 12 V Mg 1988 Constitution Received on loss Wet of Blue on Notice Received to Thermometer Used: [6] Receiving that 2 Thermometer Used: Temperature should be above through to the Company to the Co	9 Cooler Temp	*C: 23 (Record	mid) 10.5 (Correction Factor) 25 Actual and) (Correction Factor) (Actual
Triage Person: <u>DG</u> Da			
Chain of Custody relinquished	1/4/20	Yes of No.5	
Sampler name & vgosture on COC		Yes & No to	
		The state of the s	
Short HT analyses (<72 hrs)	100 2 500	Ves & No o	
	10/19	Yes of No a	
Login Person: DC Dai	10/19		
Login Person: DC Dal	10/19.	Yes of No. ci	
Login Person:	10/19.	Yes of No a	ι Α α
Login Person: DC Dat Sufficient Volumer received Correct Container used Container Intact Sample pH Acceptable BI Strips: GHOST Residual Chiborner Present	10/19.	Ves d' No ci Ves d' No ci Ves d' No ci	
Login Person:	so: 10/19	Yes of No a Yes of No a Yes of No a	NA W
Login Person: DC Dat Sufficient Volumer received Correct Container used Container Intact Sample pit Acceptable pit Scrips: Gloss Residual Chiberne Present Clarins: Suffide Present	ved in 3015A Kily	Yes of No a Yes of No a Yes of No a Yes of No a	NA d
Login Person: DC Dat Sufficient Volumer received Correct Container used Container Intact Sample pH Acceptable pH Strips: GHOSS Hesisland Chiberne Person CS Strips: Lend Acceptable Strips: Are soil samples (volables, 1991) ricel (not applicable to TSLP VOA or PST Prog	ved in SOISA Kills gam (1914)	Yes of No ci Yes of No ci Yes of No ci P Yes o No ci P Yes o No ci P	ia d ia d
Login Person: DC Dat Sufficient Volumer received Correct Container used Container Intact Sample pit Acceptable pit Strips: Residual Chickene Present CTS trips: Suffide Present Lend Accetate Strips: Are soil samples (volatilet, TPH) iscel (not applicable to TCLP VOA or PST Prog Unpreserved S035A soil frezen within Headspace in VOA (>Bonn)	ved in 3035A Kils yam 1914) .48 hrs	Yes of No a Yes of No a Yes of No a Yes o No a Yes a No a f	ia d ia d ia d
Login Person: Sufficient Volumei received Correct Container used Container Intact Sample per Acceptable pit Strips: Gestalal Ciferene Present Ciferine: Suffice Present Lead Accetate Strips: Are soil samples (volatiles, TPH) Incel (not applicable to TCLP VOA or PST Prag Unacceived 5035A soil freen within	ved in 3035A Kils yam 1914) .48 hrs	Yes of No a Yes of No a Yes o No a PYes a No a PYes a No a PYes a No a P	ia d ia d ia d ia d

ATTACHMENT 6 – WATER WELL INFORMATION

6.1 Water Well Map

Figure 6.1, Water well Map, shows the locations of water wells within ½ mile of the property boundary. Water wells within irrigation fields or adjacent to irrigation fields will be protected with 150-ft buffers.

6.2 Water Well Information

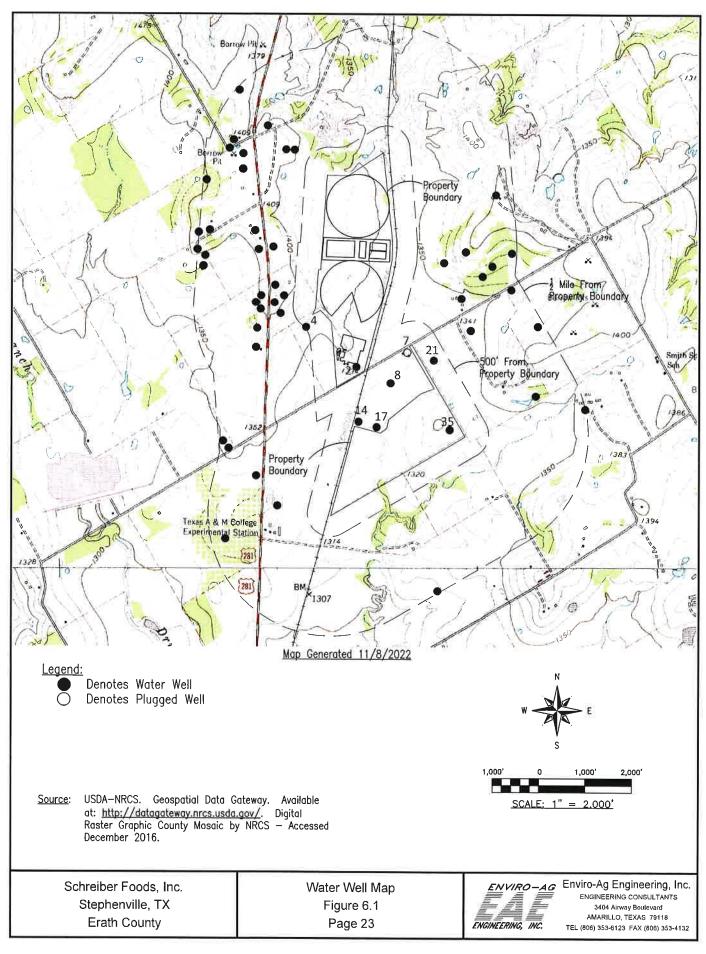
Water well data was obtained from a variety of sources, including on-site inspections, Research, a database research firm in Toronto Ontario, the Texas Water Development Board (TWDB) WIID online database, and the Middle Trinity Groundwater Conservation District. The information provided by Environmental Risk Information Services (ERIS) was obtained from a variety of public sources. ERIS does not ensure and makes no warranty or representation as to the accuracy, reliability, quality, or errors occurring from data conversion or the interpretation of their report. The TWDB WIID database includes data from the TWDB Groundwater Database and Submitted Driller's Reports. ERIS, TWDB and Middle Trinity GCD wells are shown on maps and in the table if the location could be verified on-site or using the well log or district database information. Well information is provided in Worksheet 3-Section 5 of the Technical Report.

6.3 Monitoring Well Map

Figure 6.2, Monitoring Well Map, shows the locations of the existing monitor wells located within the property boundary.

6.4 Monitor Well Information

The facility groundwater monitoring plan and analytical results are included as an attachment to this section.



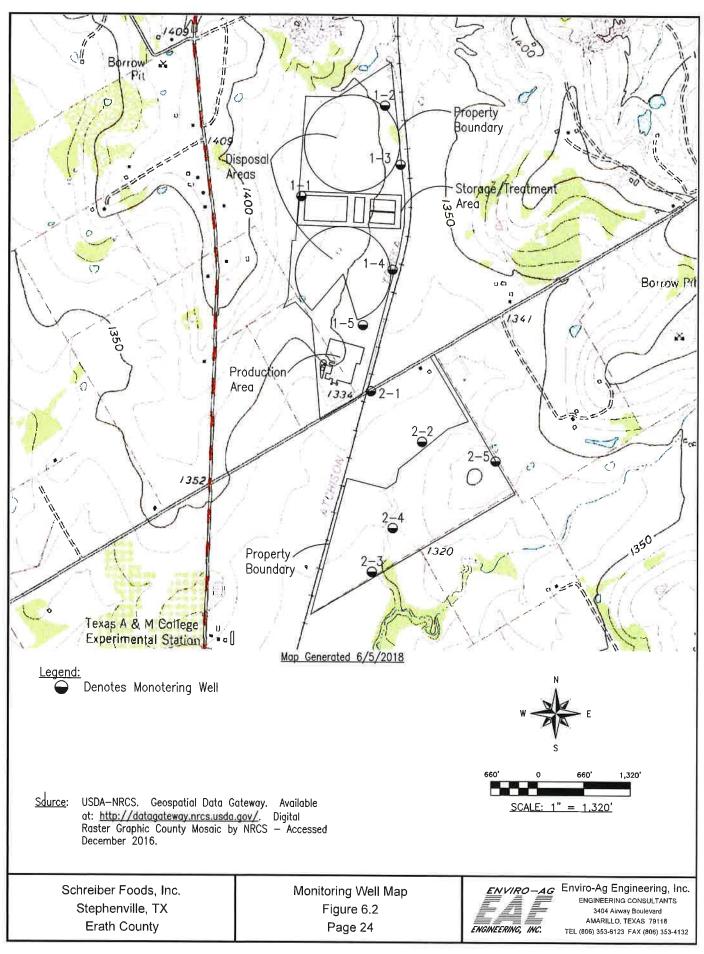






Table of Contents

Definitions 50	Appendix: Database Descriptions49	Detail Report17	Aerial	Map	Executive Summary: Site Report Summary - Surrounding Properties6	Executive Summary: Site Report Summary - Project Property.	Executive Summary: Report Summary4	Executive Summary3	Table of Contents2
----------------	-----------------------------------	-----------------	--------	-----	--	--	------------------------------------	--------------------	--------------------

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

database review of environmental records Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a maner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such misuse, including damages caused to this parties, and gives ERIS the right to terminate your account, resource your incursor to any previous reports and to but you from future use of the Service.

Date Completed: Requested by: Order No: **Project No:**

October 12, 2022 Enviro-Ag Engineering, Inc. 22100504558

Project Property:

Schreiber Foods Schreiber Foods

Stephenville TX 76401

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS information inc ("ERIS") using various sources of information, including information provided by Federal and State government departments. The report applies only to the address and up to the date specified on the cover of this report and arry afterations or deviation from this description will require a new report. This report and the data contained herein does not provide to be and does not constitute a guaranties of the accuracy of the information contained herein and does not constitute a guaranties of the accuracy of the information that is accurate. ERIS discialims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether altibulable to madvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report

Trademark and Copyright: You may not use the ERIS Irademarks or altibute any work to ERIS other than as outlined above. This Service and Report (s) are protected by copyright women by ERIS formation for Copyright women by ERIS information for. Copyright with data used in the Service or Report(s) the Totals 1 is conviced by ERIS or its formation for Copyright women and the Service. Report(s) and Data may not be copied or reproduced in whole or in any substantial part without proof written consent of ERIS.

Environmental Risk Information Services A division of Glacier Media Inc.

1.866,517.5204 info@erisinfo.com erisinfo.com



Executive Summary

Executive Summary: Report Summary

Property Information:	
Project Property:	Schreiber Foods Schreiber Foods Stephenville TX 76401
Project No:	
Coordinates:	
Latitude:	32.26830116
Longitude:	-98.1879828
UTM Northing:	3,570,464.82
UTM Easting:	576,476.29
UTM Zone: Target Property Geometry:	POLYGON
County/Parish Covered:	Erath (TX)
Zipcode(s) Covered:	Stephenville TX: 76401
State(s) Covered:	7%

Dafabase	Searched	Project Property	Within 1,00mi	Total
Federal	No Federal c	databases were	selected to	No Federal databases were selected to be included in the search.
FED USGS	≺	0	0	0
State				
TCEQ WELL LOGS	≺	()	49	49
SDRW WELLS	≺	ø	26	26
GWDB	۲	æ	¥	N3
WW HIGH PLAINS	<	0	6	0
WW HARRIS GAL	۲	0	0	0
WUD	⊀		*	Us
		d)8
• PO – Property Only	Total:	Su.	79	82

Order No: 22100504558

_
Execu
tive
Summ
~
Site
Rep
ort S
ary: Site Report Summa
3
/ - Surround
oundi
ing P
Propertion
rties

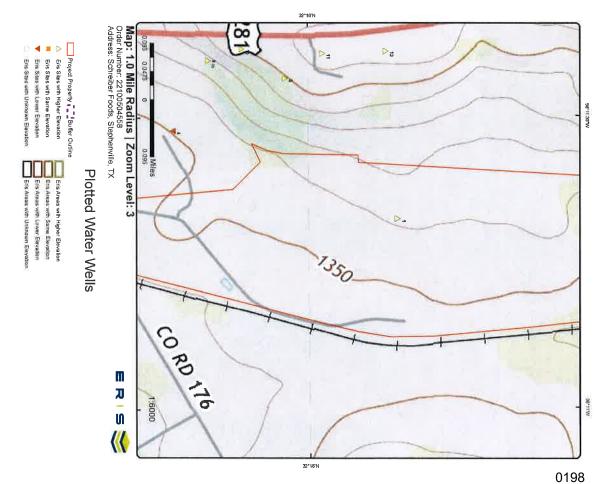
15	12	13	12	±	16	IΦ	160	ios	7	Ion	Ton	4-1	Map Key
TCEQ WELL LOGS	SDRW WELLS	TCEQ WELL LOGS	SDRW WELLS	WUD	TCEQ WELL LOGS	TCEQ WELL LOGS	TCEQ WELL LOGS	SDRW WELLS	TCEQ WELL LOGS	TCEQ WELL LOGS	SDRW WELLS	TCEQ WELL LOGS	DB
				MILK TRANSPORT SERVICES									Company/Site Name
ヌ	1356 CR 176 Stephenville TX 76401 Well Rpt Track No: 598116	W TX Grid No Owners Name: 31-47-8 DEAN TAYLOR	2 miles North US Highway 281 Stephenville TX Well Rot Track No: 254530	TX WSW 0.17 / B87.84 WTRSRC Utility Manne: G0720040A WESTERN DAIRY TRANSPORT LLC	WSW 0,16 / TX 837,29 Grid No Owners Name: 31-47-8 JEHOVAH WITNESS KINGDOM HALL	TX Grid No Owners Name: 31-47-8 ROY ED GRIFFIN	TX Grid No Owners Name: 31-47-8 ROY ED GRIFFIN	923 County Road 176 Stephenville TX 76401 Well Rpt Track No. 605126	TX SSE 0 Grid Mo Owners Name: 31-47-8 LOUIS BOLLINGEL	TX NNW 0.14 / 759.29 Grid No Owners Name: 31-47-8 COLLIER & SONS (WHITACRE)	TX Well Rpt Track No: 214325	TX SW 0,11 / 552.28 Grid No Owners Name: 31-47-8 MILK TRANSPORT SERVICES	Address
WSW	v	W DEAN TAYLOR	NNN	WSW 0A WESTERN	MSM HVAOHƏFI	SW ROY ED GRIFF	SW ROY ED GRIFF	SSE	LOUIS BOLLIN	NNW	WSW	SW MILK TRANSP	Direction
0,22 / 1,168.88	0.18/ 952.37	0.18 <i>/</i> 947.96	017 <i>1</i> 891.89	0.17 / 887.84 DAIRY TRANSPORT LLC	0.16 / 837.29 NESS KINGDOM HALL	0.16 / 824.26 FIN	0.16 / 824.26 FIN	0.15 <i>1</i> 777.32	0,15 / 774 16 IGEL	0 14 / 759 29 NS (WHITACRE)	0 12 / 645 10	0.11 / 562.28 ORT SERVICES	Distance (mi/ft)
23	22	12	21	21	2	20	20	13	13	13	18	18	Page Number

	26		25		24		23		123		23		183		21		120		13		lä		17		16		ţ
	TCEQ WELL LOGS		TCEQ WELL LOGS		WELL LOGS		TCEQ WELL LOGS		TCEQ WELL LOGS		TCEQ WELL LOGS		TCEQ WELL LOGS		TCEQ WELL LOGS		TCEQ WELL LOGS		SDRW WELLS		TCEQ WELL LOGS		SDRW WELLS		TCEQ WELL LOGS		
Grid No Owners Name: 31-47-8 JIM BACHUS	Χ̈	Grid No Owners Name: 31-47-8L H. L. GABHART	ヌ	Grid No Owners Name: 31-47-8 STEVE MCCOY	ΤX	Grid No Owners Name: 31-47-8 DEBBIE MOORE	Τx	Grid No Owners Name: 31-47-80 TROY MOORE	ΤX	Grid No Owners Name: 31-47-8L TROY MOORE	Ϋ́X	Grid No Owners Name: 31-47-8 DON COAN	Τx	Grid No Owners Name: 31-47-8 MONTY NEEB	XT	Grid No Owners Name: 31-47-8U C L FENNER	Τx	Well Rpt Track No: 584499	4267 N. St. hwy 281 Stephenville TX 76401	Grid No Owners Name: 31-47-8M A T GORDON	ヌ	Well Rpt Track No: 598115	1356 CR 176 Stephenville TX 76401	Grid No Owners Name: 31-47-8U S J COOK	Ϋ́X	Grid No Owners Name: 31-47-8 ERIC SIMS	
7-8] JIM BACHUS	¥	7-8L H. L. GABHA	SW	7-8 STEVE MCCO	W	7-8 DEBBIE MOC	WNW	7-80 TROY MOO	WNW	7-8L TROY MOO	WNW	7-8 DON COAN	ESE	7-8 J MONTY NEE	SE	7-8U C L FENNE	WSW		MSM	7-8M A T GORDO	ESE		s: ω	17-8U S J COOK	WSW	17-8 ERIC SIMS	
	0.29 / 1,539.93	NRT	0.28 / 1,462 63	У	0.28 / 1,461.17		0.28 / 1,456,89	æ	0.28 / 1,456.89	RE	0.28 / 1,456 B9		0 27 / 1,412 B1	8	0.27 / 1,409.27		0.26 / 1,375.35		0,24 / 1,290,27	ON	0.24 / 1,269 11		0 23 / 1,235 15		0 23 / 1,194 41		
	27		26		26		26		26		25		25		25		25		24		24		23		23		
37		36		35		34		133		32		13		펖		18		29		29		29		28		27	
SDRW WELLS		WELL LOGS		WUD		SDRW WELLS		TCEQ WELL LOGS		SDRW WELLS		TCEQ WELL LOGS		SDRW WELLS		TCEQ WELL LOGS		SDRW WELLS		SDRW WELLS		SDRW		TCEQ WELL LOGS		SDRW WELLS	
				SCHREIBER FOODS																							
CR 909 Stephenville TX 76401	Grid No Owners Name	, X	WTRSRC Utility Name: G0	ΤX	Well Rpt Track No: 550730	TBD CR 176 Stepheaville TX 76401	Grid No Owners Name: 31-47-8 MR TERRY ANTOINE	Τx	Well Rot Track No: 543960	TBD CR 176 Stephenville TX 76401	Grid No Owners Name: 31-47-8 HARVEY WILLIAMS	ΤX	Well Rpt Track No. 100593	214 CR 434 Stephenville TX 76401	Grid No Owners Name: 31-47-8 KELLY CASSTEVENS	Τx	Well Rips Track No: 255332	5205 N. US Highway 281 Stephenville TX	Well Rpt Track No: 220557	Off of 281 N Stephenville TX 76401	Well Rot Track No: 220554	Off of 281 N Stephenville TX 76401	Grid No Owners Name: 31-47-8 SOLID ROCK CHURCH	ヹ	Well Rpt Track No: 543961	TBD CR 176 Stephenville TX 76401	
6401	31-4		72				7-8 I N	_		т	7-8 HARV	WN		WN	7-8 KELLY C	SE		WNW		WNW		WNW	.7-8 SOLID I	WN		m	
6401 WNW	Grid No Owners Name: 31-47-8 F. E. SUTTON	ENE	7200268 SCHREIBI	SSE		m	IR TERRY A	WW			EYWIL				SS					_		<	SOCK.				
		ENE 0.44 / 2,313.42	WTRSRC Utility Name: G07200266 SCHREIBER FOODS INC	SSE 0.42 / 2,243 35		E 0.42/ 2,202.35	AR TERRY ANTOINE	VW 0.41/ 2,188.54		0.40 / 2,116.70	EYWILLIAMS	v 0.39 / 2,034.06		0.39 / 2,034,06	ASSTEVENS	0.37 / 1,950,67		/ 0.36 / 1,897,88		/ 0.36 / 1,897.88		V 0.36 / 1,897.88	ROCK CHURCH	0.34 / 1,802 02		0.32 / 1.679 10	

100504558	Order No: 22100504558		mation Services	ensinfo.com Environmental Risk Information Services	erisinfo.cor	10	Order No: 22100504558	Order N		nation Services	erisinfo.com Environmental Risk Information Services	erisinfo.co	ω
Į:	3,728 73	1	Ϋ́X		WELL LOGS	18				Well Rpt Track No: 335178			
4	0.71/	ESE			TCEQ	3	[&	2,864.37	п	Stephenville TX 76401		WELLS	18
ı	3,710.72	F_GRIFFIN	TX Grid No Owners Name: 31-47-8 F. GRIFFIN		WELL LOGS	Ĩ	3			ONO OD 476		200	3
4	0.70/	ws.			TCEQ	<u> </u>	6	2,86077	S &	TX		MELL LOGS	49
[:	3,623.29 OR	I GORDON TAYLO	TX Grid No I Owners Name: 31-47-8 GORDON TAYLOR		WELL LOGS	la		AM	8 J WINDLE GRAH	Grid No Owners Name: 31-47-8 WINDLE GRAHAM			
	O 69 /	N TEXAS AGRIC	Grid No. Owners Name: 31-55-2N TEXAS AGRICULTURE EXPIREMENT FARM n n 69 /		TOEO	7.00	38	0.54 / 2,831,60	WN	코		TCEQ WELL LOGS	#
143	0.67 / 3,550.48	SSW	TX		WELL LOGS	59			8 JOE TORRES	Grid No Owners Name: 31-47-8 JOE TORRES			
	MENT STATION	TEXAS EXPERI	Grid No Owners Name: 31-55-2 TEXAS EXPERIMENT STATION				38	0.52 / 2,767.58	WS	∀		TCEQ WELL LOGS	47
143	0 67 <i>I</i> 3,550 48	WSS	Tχ		TCEQ WELL LOGS	59				Stephenville TX 76401 Well Rpt Track No: 74760			
	DER	LEVY ALEXAND	Grid No Owners Name: 31-47-8 LEVY ALEXANDER				38	0.52 / 2,750.23	₩	Highway 281 towards Morgan Mill		SDRW	46
143	0.67 / 3,519.85	ENE	XΤ		TCEQ WELL LOGS	58			8M TOBY STONE	Grid No Owners Name: 31-47-8M TOBY STONE			
	2	I LLOYD DUNSO!	Grid No Owners Name: 31-47-8 LLOYD DUNSON				37	0.51 / 2,713.16	ESE	7X		TCEQ WELL LOGS	15
া৯	0.66 / 3,507 40	W	⊼×		WELL LOGS	57				Well Rpt Track No: 86020			
			West Rpt Track No: 375582				37	0,51 / 2,699.88	WW	컷		SDRW	4
42	0.65 / 3,409 91	WWW	6345 NORTH US 281 STEPHENVILLE TX 76401		WELLS	56			8 C W FENNER	Grid No Owners Name: 31-47-8 C. W. FENNER			
			Well Rpt Track No: 203770				36	0.50 / 2,656.02	\$	Τx		TCEQ WELL LOGS	145
41	0.60 / 3,169 55	ш	325 CR 477 Stephenville TX 76401		SDRW WELLS	55				Well Rpt Track No. 962001			
		I J. O. BACHUS	Grid No Owners Name: 31-47-8 J. O. BACHUS				36	0.49 / 2,580.75	m	3055 CR 176 STEPHENVILLE TX 76401		SDRW WELLS	142
141	0.59 / 3,111 <u>.</u> 06	WN	ヹ		TCEQ WELL LOGS	12				Well Rpt Track No: 336531			
	LER	K KENNETH MIL	Grid No Owners Name: 31-47-8K KENNETH MILLER				35	0.47 / 2,497 60	WNW	Off of CR 909 Stephenville TX 76401		SDRW WELLS	141
14	0.57 / 3,022_13	WWW	ᆪ		TCEQ WELL LOGS	នេ				Well Rpt Track No. 568793			
		Texas A&M	State Well No Owner: 3147801 Texas A&M				34	0.47 / 2,480 26	V	952 CR 909 Stephenville TX 76401		SDRW WELLS	40
140	0.56 / 2,932 69	WSS	Ϋ́		GWDB	52				Well Rpt Track No: 560729			
			Well Rpt Track No: 168018				134	0.47 / 2,455 48	m	TBD CR 176 Stephenville TX 76401		SDRW WELLS	39
40	0.54 / 2,875 19	WWW	6189 N US Hwy 281 Staphenville TX 76401		SDRW WELLS	155		E/SANTO PROPA	8 WHISENAT, JO	Grid No Owners Name: 31-47-8 WHISENAT, JOE/SANTO PROPA			
		I ED TATSCH	Grid No Owners Name: 31-47-8 ED TATSCH			3	34	0.46 / 2,451.74	W	ᅺ		TCEQ WELL LOGS	138
14	0.54 / 2,864.37	m	ヹ		TCEQ WELL LOGS	50				Well Rot Track No. 478048			
Page Numbe	Distance (mi/ft)	Direction	Address	Company/Site Name	DB	Map Key	Page Number	Direction Distance (mift)	Direction	Address	Company/Site Name	DB	Map Key

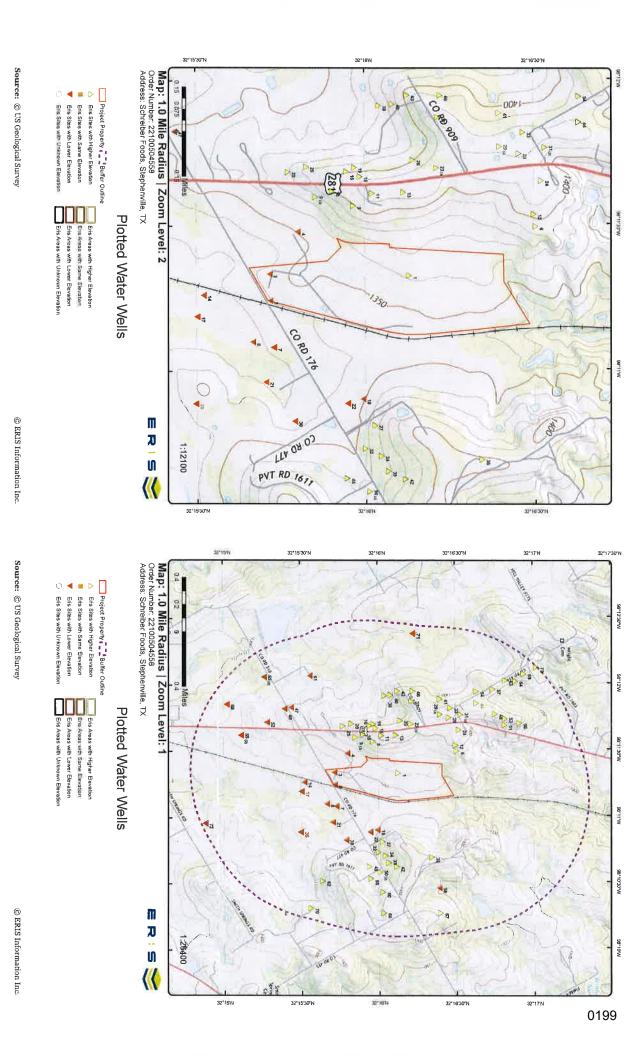
Order No: 22100504558

Map Key 13 12 13 70 18 2 16 166 18 18 2 12 TCEQ WELL LOGS SDRW DB MUD TCEQ WELL LOGS WELL LOGS TCEQ WELL LOGS TCEQ WELL LOGS TCEQ WELL LOGS SDRW WUD TCEQ WELL LOGS TCEQ WELL LOGS WHITE HORSE CHRISTIAN ACADEMY TARLETON STATE UNIVERSITY SOUTHWES Company/Site Name TX
Grid No | Owners ! 컷 ¥ 5026 CR 518 Stephenville TX 76401 Grid No | Owners Name: N/A | BILLY WEIR Grid No | Owners × Grid No | Owners Name: 31-47-8 | BERT WRIGHT ž Grid Na | Owners 컺 Grid No | Owners $\stackrel{\,\,}{\scriptscriptstyle{\,\,}}$ Grid No | Owners Name: 31-47-8 | BILL TIDWEL 2703 CR 455 Slephenville TX 76401 WTRSRC | Utility Name: G0720056A | TARLETON STATE UNIVERSITY SOUTHWES Grid No | Owners Address WTRSRC | Utility Name: G0720063A | WHITE HORSE CHRISTIAN ACADEMY Well Rpt Track No: 425567 Well Rpt Track No: 230895 Grid No | Owners Name: 31-47-8 | BERT WRIGHT Name: 31-47-8N | TEXAS AGRICULTURAL EXP STA Name: 31-47-8 | KEN ROUSE \$ × × N. SSW WN SSE ENE WS ž Direction 0.99 / 5,247 97 0.97 / 5,132.67 0.94 / 4,941.82 0.92 / 4,878 47 0.89 / 4,723.57 0 88 / 4,620 09 0.85 / 4,502.04 0.84 / 4,421 41 0 82 / 4,327 74 0.82 / 4,327.74 0.81 / 4,293.96 0 77 / 4,069 64 Distance (mi/ft) Page Number 8 8 47 47 47 147 47 18 15 6 15 4



Source: © US Geological Survey

© ERIS Information Inc.





© ERIS Information Inc.

Address: Schreiber Foods, Stephenville, TX

Source: ESRI World Imagery

State Well No:
GMA:
RWPA:
GCD:
Well Typa:
Power Typa:
Power Typa:
Well Rep Track No:
USGS Site No:
USGS Stero:
CDED Well No:
GCD Well No: ensinfo.com | Environmental Risk Information Services

G - Brazos G Middle Trinity GCD Withdrawal of Water Submersible Electric Motor

3147802 8

Order No: 22100504558

Detail Report

Longitude: Latitude:	Depth Drilled:	Static Level:	Water Usage:	County:	Owners Name:	Date Drilled:	Grid No:	(48)	Мар Кеу
					θ.			1 of 1	Number of Records
-98.19150927116219 32.27508631788818	230	193	DOMESTIC	ERATH	COLLIER RANCH	06/18/1971	31-47-8C	WN	Direction
16219 8818					요			0,00 / 0.00	Distance (mi/ft)
								ヌ	Site
								TCEQ WELL LOGS	DB

1.4.09-25 1.4.09-25 1.6.00	Well Rpt Track No: Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill:	License No: PWS No: Plug Rpt Track No:	5 1011	Longilude: Latitude:	County: Water Usage: Static Level: Depth Drilled:	Grid No: Date Drilled: Owners Name:	4 1 of 1	Gauge:	Casing Material: Schedule:	Casing Type: Casing Type Other Desc:	Diameter:	Top Depth:	Gauge:	Schedule:	Casing Type Other Desc:	Diameter: Casing Type:	Top Depth: Bottom Depth:	Well Casing	Original Source:	Remarks:	nate Source:		Diong:		Mlat:	ide DD:	Last Update Date: Water Level:	×	Records
From Topo Map III) Rolary WiScreen	214325	2317	WSW	-98 193486 32 266297	ERATH PUBLIC SU 280 449	31-47-8 02/21/2001 MILK TRAN	WS	SC:) On .	0 400	SC:			8 Screen	400 450		Groundwate	Clistose Flatte	+/- 1 Second	3 11	98	43	15	32 2619450	1998-07-08 None	1994-09-20	
From Topo Map lig Rotary w/Screen			0.12/ 645.10		PPLY	SPORT SERVICES	0,11 / 562.28												r Dalabase (GWDB) i										(aimu)
From Topo Map lici Rolary w/Screen	Well Zip: Owner Well No: Owner Name: Owner Addr1:	Well Address 1: Well Addr2: Well City:	א				×												Reports; GIS shapefile of GW		River Basin:	Bore Hole Compl:	Drilling Method:	Drilling Year:	Drilling Day:	Drilling Start Date:	Land Surf Elevation: Land Surf Elev Mtd:	Well Depth: Depth Source:	MINISTER.
Map 7	bryon buchanan po box 244																		DB well locations		Brazos	Gravel Pack w/Screer	Mud (Hydraulic) Rota	1988	<u></u>	,	1338 Interpolated From Top	450 Driller's Log	W.C.C.
			SORW WELLS	<u>.</u>			TCEQ WELL LOGS	e.														n	лy				ро Мар		
	10f1	Latitude:	Static Level: Depth Drilled: Longitude:	Grid No: Date Drilled: Owners Name: County:	1 of 1	Latitude:	County: Water Usage: Static Level: Depth Drilled: Longitude:	Date Drilled: Owners Name:	Grid No:	9	1 of 1	Data Source:	Well Location Description	Grid No: Company Name:	County: Known Loc Error:	Injurious Water	Pump Depth:	Complt by Driller: Pump Type:	Apprentice Signed: Surface Compl: Surf Comp Oth Desc:	Driller Signed:	Sealed by Driller.	Apprve by Variance: Loc Vfv by Driller:	CEQ Approve Plans:	Proposed Use:	Drilling End Dt:	Plugged w/i 48Hrs:	Seal Mithd Oth Desc:	Type of Work: Typ of Wrk Oth Descr:	or handle or hand

SSE

0.15 / 777.32

923 County Road 176 Stephenville TX 76401

Order No: 22100504558

SDRW WELLS

31-47-8 04114193 LOUIS BOLLINGEL ERATH DOMESTIC 31 75 -98 184679 32 282144

Ħ

TCEQ WELL LOGS

### Addr2: #### Addr2: #### Addr2: #### Addr2: #### Addr3: ##### Addr3: ##### Addr3: ##### Addr3: ##### Addr3: ##### Addr3: ##### Addr3: ####################################	Date Drilled: Owners Name: County: Water Usage: Static Level: Depth Drilled:	9 2 of 2	Longitude: Latitude:	Depth Drilled:	Water Usage: Static Level:	County:	Date Drilled:	Grid No:	9 1 of 2	Data Source:	Well Location Description:	Company Name:	Known Loc Error.	County:	Iniurious Water	Pump Depth:	Pump Type Oth Desc:	Pumpit by Driller:	Surf Comp Oth Desc:	Surface Compl:	Apprentice Signed:	Sealed by Name:	Sealed by Driller:	Loc Viy by Driller:	Approve Plans:	Prop Use Oth Descr.	Proposed Use:	Drilling End Dt:	Plugged w/i 48Hrs:	Seal Mthd Oth Desc:	Seaf Method:	Type of Work:	Date Submitted:	Apprentice Reg No:	Orig Well Rpt Trk No:	Plug Rpt Track No:	PWS No:	I Inches Mar
Well City: Well City: Well City: Owner Marne: Owner Addr:: Owner Addr:: Owner Addr:: Owner State: Owner State	06/ZI/1985 06/ZI/1985 ROY ED GRIFFIN ERATH ERATH DOMESTIC 300		-98.193299 32.264233	360	DOMESTIC 280	ERATH	12/04/1991 BOY ED GBIEFIN	31-47-8		Full SDR Dalabase; SDRDB Well		4/4	200	Eran	S	400.00		Submersible		Surface Sleeve installed	Curis sanders		Yes	Yes			Industrial	2022-05-16	No 2022-05-11				2022-05-17		003320	60536	95757	60404
DS STXDC 2021 LLC S Gamelol Drive O Box 19 6401 S0 6401 S0 0 Box 19 6401 S1 6401 S2 6401 S1 6401 S2 6401 S1 64		×							х	Location (Map)			Long Second:	Long Minute:	Longitude:	Lat Second:	Lat Minute:	Latitude:	Elevation:	Horizon Datum Type:	Dist to Prop Line:	Dist to Septic Tk:	Dist to Sep Contam:	Driller Country:	Driller Zip:	Driller State:	Driller City:	Driller Addr2:	Driller Name:	Owner Country:	Owner Zin:	Owner City:	Owner Addr2:	Owner Name:	Owner Well No:	Well City:	Well Addr2:	IAI-II A delegand
TCEQ WELL LOGS													o	11	-98.185 OB	40	10	32.261111		Cusiciliai	Ole Porter	150	150		/6401	TX	Stephenville	T C BOX	CURTIS WAYNE SANDERS		54935	Fon Du Lac	123 Callielot Dilve	CDS STXDC 2021 LLC	040	Stephenville	923 County Road 176	275 O
		TCEQ WELL LOGS							TCEQ WELL LOGS																													

ORT SERVICE 0 ORT SERVICE 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1		philips com Farrison and Birl Issue 1: - 2 - 1: - 1			
## Records Direction Distance Site ### Records The Children The Children The Children ### Records The Children The Children The Children ### Records The Children The Children The Children The Children ### Records The Children The Chil	Stephenville	Driller City:		Domestic	
Marchaer of Direction Distance Site	P. O. Box 16	Driller Address1:		2006-07-06	
## Auchaer of Direction Distance Site ### Records Direction Distance Site ### Records Direction Distance Site ### Records Direction Distance Site ### Records Direction Distance Site ### Records Direction Distance Direction Dir	Colton Aardal	Driller Name:		No.	ī\$:
## Records Direction Distance Site		Owner Country:			Seal Mithd Oth Desc:
## Williad: de:	;	Owner Zip:		Pumped	Seal Method:
Manuelle	TX	Owner State			Typ of Wrk Oth Descr.
Marcords Direction Distance Site	Clarbowillo	Owner City:		New Well	Type of Work
Manuel	F C Box 13/	Owner Addrt:		2011-05-26	Date Submitted:
Marticle Direction Distance Site	Dean Taylor	Owner Name:			Apprentice Keg No:
Marker of Direction Distance Site		Owner Wall No:			Orig Well Kpt Irk No:
Manuelse		Well Zip:		254530	Well Rpt Track No:
Marker of Direction Distance Site	Stephenville	Well City:			Plug Rpt Track No:
ey Number of Direction Distance Site Records -98.193299 1 of 1 WSW 0.16 / 837.29 1 of 1 WSW 0.16 / 837.29 1 of 1 WSW 0.17 / 837.29 1 of 1 WSW 0.17 / WSW 0.17 / WILK TRANSPORT SERVICE DATE OF THIS STANDARD THE STANDARD THIS STANDARD THIS STANDARD THIS STANDARD THIS STANDARD THE STANDARD THIS STANDARD THIS STANDARD THE STANDARD THIS STANDARD THE STANDARD THIS STANDARD THE STANDARD	2 miles North US Highway 281	Well Address1: Well Addr2:		55034	PWS No:
ey Number of Direction Distance Site Records -98.193299 1 of 1 WSW 0.16 / 837.29 1 of 1 WSW 0.16 / 837.29 1 of 1 WSW 0.17 / 837.29 1 of 1 WSW 0.17 / WSW 0.17 / WILK TRANSPORT SERVICE OT 20040 A System Sta: OPERATIONAL URity Name: Legoratory Co. GO720040A GO720040A System Sta: OPERATIONAL URity Name: Wasper Stay: OPERATIONAL Urity Name: OPERATIONAL URITY	y 281	2 miles North US Highwa Stephenville TX	0.17/ 891.89	NNN	
ey Number of Direction Distance Site Records -98 193299 -7 1 of 1 WSW 0.16 / 837.29 -7 1 of 1 WSW 0.17 / 837.29 -7 1 of 2 -7 -7 -7 -7 1 of 3 -7 -7 -7 -7 1 of 4 WSW 0.17 / 837.29 -7 1 of 5 WSW 0.17 / 837.29 -7 1 of 6 WSW 0.17 / 837.29 -7 1 of 7 WSW 0.17 / 837.29 -7 1 of 7 WSW 0.17 / 837.29 -7 1 of 8 -7 -7 -7 -7 1 of 9 WSW 0.17 / 837.29 -7 1 of 1 WSW 0.17 / 837.29 -7 1 of 1 WSW 0.17 / 837.29 -7 2 -7 -7 -7 -7 1 of 1 WSW 0.17 / 837.29 -7 2 -7 -7 -7 -7 2 -7 -7 -7 3 -7 -7 -7 3 -7 -7 -7 4 -7 -7 5 -7 -7 5 -7 -7 5 -7 -7 5 -7 -7 5 -7 -7 5 -7 -7 5 -7 -7 5 -7 -7 5 -7					
ey Number of Direction Distance Site Records		0.00		Z	Alluvial:
ey Number of Direction Distance Site Records -98.193299 -70.000 1 of 1 WSW 0.15 / 837.29 TX 1 of 1 WSW 0.31 / 837.29 TX 2	3230-142	Ownr Des:			CCN:
ey Number of Direction Distance Site Records -98.193299 2. 1 of 1 WSW 0.16 / 837.29 1 of 1 WSW 0.17-8 1 de: 930331985 1	NAD83	Horz Datum:		*	Constr:
Key Number of Direction Distance Site Records 01 Prection Distance Site Records 02.183299 de: 32.284233 de: 31.47-8 30.0031885 JEHOVAH WITNESS KINGDOM HALL FRATH Level: JEHOVAH WITNESS KINGDOM HALL Usage: CHURCH Level: 420 USAW 037.4 Level: 420 USAW 037.7 MILK TRANSPORT SERVICE 1 of 1 WSW 037.8 2 of 120040A 3 2.285059 de: 60720040A 40 Contact Phone: Permany Co: Contact Phone: Permany Co: Contact Phone: Permany Co: Contact Phone: Contact Phone: Permany Co: Contact Phone: Permany Co: Contact Phone: Waterbody: Utility Name: Util	TCEQ	Horz Org:			CAD No:
Key Number of Direction Distance Site Records -98,193299 de: -98,193299 de: 32,284233 1 of 1 WSW 0,16/ B37,29 TX 1 of 1 WSW 0,16/ B37,29 TX 0: 0,90031985 DRilled: 0,90031985 DRilled: 0,90031985 Bernitted: 4,20 Bernitted: 4,40 Bernitte	08-Mar-2006	Horz Date:			Type:
bber of Direction Distance Site ords 016/1 -88 193299 32.284233 WSW 0.16 / 897.29 31.47-8 090031985 JEHOVAH WITNESS KINGDOM HALL EAATH NOT REPORTED 420 -98 193628 32.285059 WSW 0.17 / B97.84 TX 0720040 G0720040A G072040A G0720040A G072004	STRUC CEN	Horz Ref:		001	EPID:
bber of Direction Distance Site ords Unify Distance Site WSW 0.161/ 93.2.954233 31.4.7-8 0.90031985 JEHOVAH WITNESS KINGDOM HALL CHURCH NOT REPORTED 420 420 420 420 420 420 420 420 59.193528 32.255058 32.255058 32.255058 WSW 0.171/ CHURCH NOT REPORTED 420 420 420 CHURCH NOT REPORTED 420 420 CHURCH COTZODAO System Sta: Contact Fluore: Contact F	15	Horz Acc:		ORILL	Depth Agen:
Number of Direction Distance Site Records Direction Distance Site Records Direction Distance Site Direction Distance Site Direction Distance Dista	200	Hoatum:		65	Gallons Por Minute:
1 of 1 WSW 0.16 /	-98.19348611	Longitude:		449	Screen Bottom:
### Records Direction Distance Site Records Direction Distance Site Records Re	32,26703056	Latitude:		Yes	Compliant:
### Records Direction Distance Site Records Tite Records Recor	IMM ISIS	Waterhody:		02/21/2001	Date Drilled:
### Records Direction Distance Site	MILK TRANSPORT SERVICES	Utility Na:		ACTIVE - PERMANENT	Water Usag:
### Records Direction Distance Site	WESTERN DAIRY TRANSPOR	Utility Name:		449	Well Depth:
### Records Direction Distance Site	OPERATOR	Contact Ti:		OPERATIONAL	Operating Status:
### Records Direction Distance Site	VICTOR M ASHE	Brimani Co:		1000	St Well No.
### Records Direction Distance Site	ACTIVE 316 841 1304	Coston Bhoos		G0720040A	ID No:
ap Key Number of Direction Distance (milft) regitude: 32.264233 titrude: 32.264233 titrude: 32.264233 d No: 32.264233 31.47-8		Segment:		0720040	PWS ID:
ap Key Number of Direction Distance (milft) regitude: 32.84233 titrude: 32.84233 1 of 1 WSW 0.16 / 837.29 1 of 1 WSW 0.16 / 937.29 1 of 1 WSW 0.16 / 937.29 1 of 1 WSW 0.17 / 937.85 titrude: 31.47-8 0.9003185 0		ΤX			
ap Key Number of Direction Distance (mifft) Records -98.19329 ititude: 32.264233 ititude: 32.264233 ititude: 32.264233 ititude: 34.7-8 ititude: 31.47-8 ititude: 31.47-8 ititude: 31.47-8 ititude: 31.47-8 ititude: 31.47-8 ititude: 42.0 ititude: 31.47-8	//CES	MILK TRANSPORT SERV	887.84	WSW	
P. Number of Direction Distance (mi/ft) Records (mi/ft) 6: -98.193299 32.264233 32.264233 31.47-8 494: 090/3/1985 11-47-8 11					I
P. Number of Direction Distance (mi/ft) Records (mi/ft) 98: -98.193299 32.264233 32.264233 32.264233 31.47-8 897.29 4307.31985 437.29 81.47-8 437.29 81.47-8 437.29 81.47-8 437.29 81.47-8 437.28 83					
e: -98.193399 e: -98.193399				32 265058	Latitude:
e:				-09 103638	Depth United:
v Number of Direction Distance Records —98.193299 e: -98.193299 32.284233 14 of 1 WSW 0.16/ 837.29 31.47-8 1990: -9903/1985 147-8 147-8 148-04-148-04 148-04 149-05-05-05-05-05-05-05-05-05-05-05-05-05-			Ö	NOT REPORTE	Static Level:
e: -98.193399 a: 1 of 1 WSW 016/ Bed: 090011985 1 of 1 WSW 037.29			i	CHURCH	Water Usage:
r Number of Direction Distance (milfty) e: -98.193299 e: 32.264233 1 of 1 WSW 0.16 / 837.29 31-47-8 ed: 040/33/1985 (NINGDOM HJ				ERATH	County:
e: Direction Distance (mi/ft) Records Direction (mi/ft) e: -98.193299 32.284233 1 of 1 WSW 016/ 837.29 ad: 030/31985		HALL	VESS KINGDOM	JEHOVAH WITH	Owners Name:
v Number of Direction Distance Records -98.193299 e: -98.193299 10.1947 10.194				09/03/1985	Date Drilled:
v Number of Direction Distance (mi/ft) Records -98.193299 8: -98.193299 32.284233 32.284233 4 of f wsw 0.16 / 837.29				31-47-8	Grid No:
v Number of Direction Distance Records —98.193299 8: -98.193299 32.284233 1 of 1 WSW 0.16/ 837.28		מז			
v. Number of Direction Distance Records (mifty) e:			837.29	;	
e: Direction Distance (mifty) -98.193299 32.264233			0.16/	WSW	
r Number of Direction Distance (mirty) Records (mirty) e: -98.193299 32.254233					
v Number of Direction Distance Records (mifft) e: -98.193299				32,264233	Latitude:
Number of Direction Distance Records (mi/ft)				-98 193299	Longitude:
Number of Direction Distance			(11/117)	•	Kecords
		Site	Distance		

Distance (mi/ft)

Site

Driller City:

Mineral Wells

Order No: 22100504558

		SDRW WELLS		TCEQ WELL LOGS			DB
License No: PWS No: PWS No: Piug Rpt Track No: Well Rpt Track No: Orig Well Rpt Track No: Orig Well Rpt Track No: Orig Well Rpt Track No: No of Wells Drill: Date Submitted: Type of Work: Type of Work: Type of Work: Type of Orb Desc: Seal Method: Seal Method: Seal Method: Seal Method: Seal Method: Drilling Sear Dr:	Latitude:	Grid No: Date Drilled: Owners Name: County: Water Usage: Static Level: Depth Drilled: Longitude:	tatitude:	Grid No: Date Drilled: Owners Name: County: Water Usage: Static Level: Depth Drilled: Longitude:	Data Source:	Surface Comp! Surface Comp: Surface Comp Orb Dosc: Complit by Driller: Fump Type: Fump T	Map Key Number of Records
59352 598115 1 2022-02-26 New Well Poured Po	32.265774 S 0.23 / 1,235.15	31-47-8J 30507/1984 S J COOK EATH DOMESTIC 330 369 -98 194751	32.26643824/5529/6 WSW 0.23/ 1,194.41	31.47.8 06/06/1985 ERIC SIMS ERATH DOMESTIO 200 410 410 410 410	Full SDR Dalabase; SDRDB Well Location (Map) WSW 0.22 / 1,168.88 1X	urface Steeve installed ss submersible 00 00 0 10 147-8 Moore's Water We	of Direction Distance (mi/ft)
Well Address!: Well Addr2: Well Addr2: Well City: Well City: Well City: Well City: Owner Hame: Owner Addr1: Owner Addr2: Owner State: Owner State: Owner Country: Owner Cou	1356 CR 176 Stephenville TX 76401	;	ž		DB Well Location (Map)	Horizon Datum Type: Latitude: Latitude: Lat Degree: Lat Minute: Lat Second: Lat Second: Longitude: Long Begree: Long Minute: Long Second:	nce Site
1356 CR 176 Stephenville 76401 CDS STXDC 2021, LLC 125 Camelot Dr Fond du Lac WI 54935 James W Janes W J Janes W J J J J J J J J J J J J J J J J J J J						98: 32 258686 32 15 15 31 27 -90 167693 98 11 15 69	
	SDRW WELLS		TCEQ WELL LOGS		TCEQ WELL LOGS		DB

Prop Ulso Oth Descr.
TCEQ Approve Plansa:
Approve by Variance:
Loc Vity by Drillier:
Sealed by Nama:
Coult Signed:
Surface Compl:
Surface Compliance:
Company Nama:
Company Nama:
Company Nama:
Company Nama:
Company Nama:
Commants:
Commants:

440.00 No No Erath No 31-47-8

1 of 1

₹

0.18/ 947.96

ķ

\$dfs
Full SDR Dalabase; SDRDB Well Location (Map)

Мар Кеу

Number of Records

Direction

Distance (mi/ft)

Site

76401

No No Associated Services-Colton Colton Aardal

Surface Sleeve Installed

Driller State:
Driller Zip:
Driller Oth Cntry:
Driller Country:
Driller Country:
Dist to Sep Connam:
Dist to Sep Connam:
Dist to Sep Line:
Dist to Prop Line:
Dist to Prop Line:
Dist to Prop Line:
Dist to Prop Line:
Line:
Laftude:
Laftude

32.275 32 16 30 -98.192222 98 11 32

ᅕ	ESE 0.27/ 1,412.61 1,412.61 1,412.61 1,412.61 1,412.61 1,412.61 1,412.61 1,412.61 1,412.61 1,416.61 1,416.61 1,416.61	ESE 3147-8 3147-8 01/24/19 01/24/19 00N CCO DON CCO DO	Grid No: Date Drilled: Date Drilled: County: Water Usage: Static Lavel: Longitude: Longitude: Latitude: 1 of 3	101	Stephenville 78401 Royce Sims 4267 N. St. hwy 281 Stephenville TX 78401 Justin W Dowell PO Box 402 Stephenville TX 106+ 55+ 51+ cwner	Well City: Well I City: Well I No: Owner Well No: Owner Addr1: Owner Addr2: Owner Stale: Owner Stale: Owner City: Oriller Addr2: Oriller Addr2: Oriller City: Oriller Membod:		584499 1 2021-09-23 New Well Pumped No 2021-09-08 2021-09-08 2021-09-08 Domestic Yes Yes Yes	Track No: Track No: Track No: Reg Trik No: Reg No: Ils Drill: mitted: No Ar Oth Descr. No Ar Oth Descr. No Ar Oth Descr. No Ar Oth Descr. No Albris: Lara Di: Lide: No Albris: Lara Di: Lide: No Albris: No Albri
×	SE 0.27/ 31-47-9 31-48-7 31-48	22 25 25 45 25 25 25 25 25 25 25 25 25 25 25 25 25	Owners Name: County: Water Usage: Static Level; Depth Drilled: Longitude: Latitude: 24 1 of 1 Grid No: Date Drilled: Owners Name: County: Water Usage: Static Level; Static Level; Static Level; Latitude: Latitude: Latitude:	TCEO WELL LOGS SDRW WELLS	4267 N. St. hwy 281	TX #287 N. St. hwy 281 Stephenville TX 75401 Well Address1: Well Address.	0.24/ 1,269.11 1,269.11 1,290.27	### ##################################	18 7 of 1 Grid No: Date Drilled: Owners Name: County: Water Usage: Static Level: Longitude: Longitude: Longitude: Latitude: L
Horizon Datum Type: Elevation: Latituda: Latituda: Lat Degree: Lat Minute: Lat Second: Lat Second: Long Degree: Long Minute: Long Minute: Long Minute: 11 Long Second: 41 9 Vell Localion (Map)	### ##################################	Surface Si Yes Submersii No No No No Si A7-8	Surface Compl: Surface Complety Droller: Complet by Droller: Pump Type: Pump Type: Pump Type: Pump Type: Pump Supe: Chemical Analysis: Injurious Water: County: Known Loc Error: Known Loc Error: Known Loc Error: Company: Company: Wall Location Description: Comments: Comments: Data Source: 20 4 of 4 Srid No: Date Drilled:		78067 78067 78067 32 259379 32 30 16 30 16 30 186473 98 98 11	Driller State: Driller CD: Driller CD: Driller COUNTY: Driller County: Dist to Sep Contam: Dist to Pop Line: Dist to Pop Line: Dist to Pop Line: Lat Dagree: Lat Minute: Lat Minute: Lat Second: Lat Minute: Lat Second: Long Winute: Long Brigner: Long Brigner: Long Second: Long Second	Driller S Driller S Driller S Driller G Driet ven Elevation Lat Name Lat Name Lat Manu Lat Sec Long the Long Se Long	es es urface S es ubmersii 00.00 00.	Prop Use Oth Descr: TCEQ Approve Plans: Appreve by Variance: Loc Vity by Driller: Sealed by Offiner: Y Sealed by Offiner: Y Sealed by Offiner: Y Sealed by Offiner: Y Sealed by Offiner: Surface Compil: Surface Compil: Surf Comp Oth Desc: Compil by Plailler: Y Duff Pye: Pump Type: Y Driller: Y Duff No. Compil by Driller: Y Duff No. Compil by Offiner: Y Surface Analysis: Nitrious Water. County: Y Rnown Loc Error: Y Rnown Loc Error: Y Rnown Loc Error: Y Rnown Loc Error: Y Surface Company Name: Y Surface Y

26	Grid No: Date Drilled: Owners Name: County: Water Usage: Static Level: Depth Drilled:	25	Grid No: Date Drilled: Owners Name: County: Water Usage: Static Level: Depth Drilled: Longitude: Latitude:	24	Grid No: Date Drilled: Owners Name: County: Water Usage: Static Level: Depth Drilled: Longitude: Latitude:	z	Grid No: Date Drilled: Owners Name: County: Water Usage: Static Level: Depth Drilled: Longitude: Latitude:	23	Date Drilled: Owners Name: County: Water Usage: Static Level: Depth Drilled: Longitude: Latitude:	Мар Көу
		1 of 1		1 of 1		3 of 3	*	2 of 3		Number of Records
erisinfo.com Environmental Risk Information Services	31-47-8L 12/20/1975 H.L. GABHART ERATH ERATH DOMESTIC NOT REPORTED 80	SW	31-47-8 08/11/1997 STEVE MCCOY ERATH DOMESTIC 380 460 -98,194136 32 275353	WW	31-47-8 03/03/1992 DEBBIE MOORE ERATH DOMESTIC 75 122 -98 144965 32.269483	MMM	31-47-8D 04/20/1974 TROY MOORE ERATH NOT REPORTED 300 374 -98,195232 32,268198	MNM	10/22/1942 TROY MOORE ERATH DOMESTIC 370 450 -98,195232 32,268198	Direction
k Information Se	II	0.28 / 1,462.63	~	0.28 / 1.461.17	ñ	0.28 / 1,456.89	ED	0.28 / 1,456.89		Distance (mi/ft)
ervices		×		א		גּ		×		Site
O ₁										
Order No: 22100504558		TCEQ WELL		TCEQ		TCEQ WELL		TCEQ WELL		
4558		TCEQ WELL LOGS		TCEQ WELL LOGS		TCEQ WELL LOGS		TCEQ WELL LOGS		DB

### Age of the Control							
Records Direction Distance Site Records 28,194736241807739 1 of 1	TCEQ WELL LOGS		ಸ	0.34 / 1,802.02	ANN	1 0 7 1	28
Records Direction Distance Site Records 32,47382410753 et 2,31478 1 of 1 W 0,237 Same: 31,4748 et 2,31478 Same: 31,4748 sage: 0,30441997 Same: 1,532,933 TX 1 of 1 E 0,327 1 of 1 E 1,532,933 TX 1 of 1 D CR 176 Sage: 0,327 Sage Address: 1 TBD CR 176 Well CDC: 1 TBD CR 176 Well CDC: 2 Sage Address: 1 TBD CR 176 Well CDC: 313,932,743 Sage Address: 1 TBD CR 176 Well CDC: 313,933 TX T of 1 TBD CR 176 Well CDC: 313,933 TX TABLE TRANSITION OF THE SAGE ADDRESS: 1 TBD CR 176 Well CDC: 313,933 TX TABLE TRANSITION OF THE SAGE ADDRESS: 1 TBD CR 176 Well CDC: 313,933 TX TABLE TRANSITION OF THE SAGE ADDRESS: 1 TBD CR 176 Well CDC: 313,933 TX TBD CR 176 Well CDC: 315 TR 177 TBD CR 176 Well CDC: 315 TR 177 TR 17			I Location (Map)	ase; SDRDB Well	Full SDR Datab	087	Data Source
### Records Direction Distance Site						ton Description:	Well Local
Number of Direction Distance Site				vice		Name:	Company
### Records Direction Distance Site #### Records Direction Distance Site #### Records Direction Distance Site #### Records Direction Distance Direction #### Records Direction Distance Direction #### Records Direction Direction ##### Records Direction ###			¢		1-47-8		Grid No:
Records Direction Distance Site		48.6	Long Second:		lo initia		Known Lo
Records Direction Distance Site Records 23147-8 22.2628843493051 1 of 1 W 0.29/ 1,539.93 1 x 1 of 1 W 0.29/ 1,539.93 1 x 1 of 1 E 0.32/ 1,573.10 TBD CR 175 1,573.10 Supherville TX 76401 Well 1,573.10 Supherville TX 76401 Supherville T		100	Cong Degree.		200		injurious v
### Coords Direction Distance Site		-50 100 107	Longitude:		5 6	Sis	Cuemical V
Records Direction Distance Site Records		1 6	Laf Second:		7		Pump Dep
Aumber of Direction Distance Site		6	Lat Minute:			e Oth Desc:	Pump Type
Number of Direction Distance Site		32	Lat Degree:		iubmersible		Pump Type
Alumber of Direction Distance Site		32 267111	Latitude:		es		Complt by
Records Direction Distance Site Records Direction (mith) 1 of 1			Elevation:				Surf Comp
Number of Direction Distance Site Records Direction (milth)		***************************************	Horizon Datum Type:		urface Sleeve Installed	eu.	Singare Co
e: 33147-8 Becords W 0.29 / (mirty) Tx 1 of 1 W 0.29 / (1.539.93) Tx 1 of 1 W 0.29 / (1.539.93) Tx 1 of 1 W 0.29 / (1.539.93) Tx 1 of 1 Fact No.		wheel	Dist Varie Mathed:		usiin Dowell		Driller Sign
Number of Direction Distance Site Records Direction (milty)		E 5	Dist to Seput in:				Seared by
Number of Direction Distance Site Records Re		n I CO	Dist to Sep Contam:		es.		Sealed by
### Records Direction Distance Site		1	Driller Country:		es		Loc Viy by
Number of Direction Distance Site Records Re			Driller Oth Cntry:				Apprve by
Number of Direction Distance Site			Driller Zip:			rove Plans:	TCEQ App
### Records Direction Distance Site	•	ΤX	Driller State:				Prop Use (
Number of Direction Distance Site Records Re	ai a	Stephenville	Driller City:		omestic		Proposed .
### Records Direction Dictance Site		0	Driller Addr?		020-05-20		Drilling En
Number of Direction Distance Site Records Site Records Recor	> 000 CR01	PO Boy 403	Driller Address1:		00000500	S	Piugged w
Number of Direction Distance Site		listin W Do	Owner Country:		7	15	Seal Mithd
Number of Direction Dictance Site		76401	Owner Zip:		umped		Seal Metho
Number of Direction Distance Site Records Site Records Records Site Records		×	Owner State:			h Descr:	Typ of Wrk
Number of Direction Distance Site Records Site Records Site Records Site	w	Stephenville	Owner City:		lew Well		Type of Wo
Number of Direction Distance Site	,		Owner Addr2:		020-05-22		Date Subm
Number of Direction Distance Site	ĸ	5411 CR 52	Owner Addr1:			s Drill:	No of Well
Number of Direction Distance Site Records Site		Nick of the	Owner Well No:			Rpt Trk No:	Orig Well F
Number of Direction Distance Site		/6401	Well Lip:		43961		Well Rpt T
Number of Direction Distance Site	to to	Stephenville	Well City:				Plug Rpt T
Number of Direction Distance Site	,		Well Addr2:				PWS No:
### Number of Direction Distance Site Records Direction Distance Site	an an	TBD CR 17	Well Address:		8086		l icense No
### Number of Direction Distance Site			Stephenville TX 76401	-			
Number of Direction Distance Site Records Site Records Site S	SDRW WE		TBD CR 176	1.679.10	m	1 of 1	27
Number of Direction Distance Site Records							
### Number of Direction Distance Site Records Direction Distance Site							
Number of Direction Distance Site				63524	32,2690541201		Latitude:
Number of Direction Distance Site Records (mirty)				04413	-98 1953749684		Longitude:
Number of Direction Distance Site Records					115	ed:	Depth Drill
Number of Direction Distance Site Records Site Records Site S					40	el.	Static Leve
Number of Direction Distance Site Records (mirty)					DOMESTIC	GP.	Water Hea
### Number of Direction Distance Site Records					FRATH	sirie.	County No
Number of Direction Distance Site Records (mi/ft)					UM BACHIS	9	Date Drile
/ Number of Direction Distance Site Records (mirty) e: -98.194.79824.190759 32.262884.3489351 1 of 1 W 0.29/ 1,539.33 Tx					31-47-B	Ļ	Grid No:
v. Number of Direction Distance Site Records -38,19473824190759 32,26788443489351 1 of 1 W 0.29 / 1,539,933			;				
/ Number of Direction Distance Site Records (mility) e: -98.19473624190759 32.26288443499351 1 of 1 W 0.29/ TCEO	WELL LOGS		Z.	1,539.93			
/ Number of Direction Distance Site Records (milit) e: -38.19473624190759 32.26288443489351	TCEO			0.29/	₹	1 of 1	26
/ Number of Direction Distance Site Records (mi/ft) -98.19479624190759 22.26288443490351							
Number of Direction Distance Site Records (mi/ft)				9351	-98, 194736241 32 2628844348		Latitude:
Number of Direction Distance Site				(mi/tt)		Records	
	DB		Site	Distance		Number of	Map Key

28
ersinfo.com Environmental Risk Information Services
Order No: 22100504558

Order No: 22100504558

License No:
PWS No:
Plug Rpt Track No:
Well Rpt Track No:
Orig Well Rpt Trk No:
Apprentice Reg No:
No of Wells Drill:

220557 55033

Off of 281 N
Stephenville TX 76401
Well Address1:
Well Addres:
Well City:
Well City:
Well Anne:
Owner Mell No:
Owner Addr1:

Off of 281 N Stephenville 76401 Chris Baughn 1015 PR 897

29

2 of 3

WWW

0.36 / 1,897.88

SDRW WELLS

reasst: Off of 281 N dama: Stephenville 7	Records		(mm)			
1 of 3 WWW 0.367 SOLID PROCKCHURCH ERATH ERATH ERATH SOLID PROCKCHURCH ERATH S	Grid No:	31-47-8				
Tof 3 WWW Jay 27,4289 WWW Jay 28,441 Jay	Date Drilled:	99/27/2000 SOI ID ROCK	OHIROH			
### 1013 ### 1015 ###	County:	ERATH				
### 10 ##	Water Usage:	DOMESTIC				
1 of 3 WWW 0.35 / 32.74289 1 of 3 WWW 0.35 / 4.897.88 Off 281 N Well Address1: Off of 281 N Well Address1: Off	Static Level:	410				
### 1957 ### 1957 ### 1957 ### 1957 ### 1958 #### 1,897.88 #### 1,897.88 #### 1,897.88 ###################################	Depth Drilled:	500				
1 of 3 WWW 0.35 / K No: 127661 Well Address1: Off of 281 N 55033 Well Address1: Off of 281 N Well Address2: Sephenville Well City: Owner Addr2: Owner City: T6401 Ith Descr: Ves Constance Owner City: T6401 Ith Descr: Ves Constance Owner City: T6401 Sample: Owner Control Constance Owner City: T6401 Driller Address1: Oomer Control Driller Address1: Oomer Control Driller Address1: Oomer Control Driller Address2: Owner Control Driller Address2: Owner Control Driller Address3: Opher Name: Owner Control Driller Address3: Owner Control Driller Address3: Opher Name: Owner Control Driller Address3: Owner Control Towner Control Driller Address3: Owner Control Driller Address3: Owner Control Towner Control Driller Address4: Owner Control Towner Control Driller Address4: Owner Control To	Longitude:	-98 1957				
1 of 3 WWW 0.35 / 1,897.88 Off of 281 N Well Address1: Off of 281 N Well Address3: Off of 281 N Well Address3 Well Address3: Off of 281 N Well Address3 Off of 281 N Well Address3 Off of 281 N Well Address3 Off of 281	Latitude:	32 274289				
### 10f3 WNW 0.38/ ### 1,897.88 Off of 281 N ### 1,897.88 Off of 281 N ### Address:: Stephenville ### Address:: Stephenville ### Address:: Stephenville ### Address:: Stephenville ### Connect Verification ### Try Ano: ### Description:: No ### Address:: Off of 281 N ### Address:: Stephenville ### Address:: Stephenville ### Address:: Stephenville ### Address:: Owner Addr2: ### Owner Addr2: Owner Addr2: ### Owner Addr2: Stephenville ### Owner Addr2: Owner Addr2: ### Owner State: TX ### Owner Addr2: Owner Addr2: ###						
S5033 Well Address1: Well Address1: Well Address1: Well Address2: Well Address2: Well Address3: Owner Mame: Owner Mame: Owner Addr2: Owner Addr2: Owner Cip:		MNM	0.36 / 1,897.88	Off of 281 N Stephenville TX 76401		SDRW WELLS
ck No. 127661 Well Addr2. Very No. 220554 Well City. No. 220554 Well City. Very No. Owner Mell No. Owner Well No. Doll: 2010-06-24 Owner Addr1. Who Pescor. No. Applicable Owner City. Db: 2009-12-31 Owner City. Db: 2009-12-31 Owner City. Pascor. Pollier Addr2. Owner City. Priller City. Owner City. Owner City. Priller City. Owner City. Owner City. Owner City. Owner City. <th< td=""><td>License No:</td><td>55033</td><td></td><td>Well Address1:</td><td>Off of 261 N</td><td></td></th<>	License No:	55033		Well Address1:	Off of 261 N	
ok No. 127661 Well City: ok No. 200554 Well City: Pag No: 200554 Well City: Pag No: 200564 Owner Well No: Owner State: Owner City: Owner State: Owner Stat	PWS No:			Well Addr2:		
Kr No: 20054 Well Zip: 16 Trk No: 20054 Owner Well Zip: 17 Trk No: Owner Well No: Owner Well No: Owner Klame: 17 Ordic: Owner Klame: Owner Addr2:	Plug Rpt Track No:	127661		Well City:	Stephenville	
Reg No: Couner Well No: Owner Well No: Reg No: Owner Well No: Owner Mell No: Ordit: Owner Addr1: Owner Addr1: Owner Addr2: Owner Addr2: Owner Addr2: Dh Owner City: Owner City: DB: 2009-12-31 Owner City: DB: 2009-12-31 Owner City: DB: 2009-12-31 Owner City: Date: Downer City: Owner City: DB: 2009-12-31 Owner City: Driller Admes: Owner City: Owner City: <td>Well Rpt Track No:</td> <td>220554</td> <td></td> <td>Well Zip:</td> <td>76401</td> <td></td>	Well Rpt Track No:	220554		Well Zip:	76401	
Orlin: Fred: 2010-06-24 Nomer Addr?: No Applicable No Applicable Owner State: Ow	Angrentice Reg No:			Owner Well No:	Chris Baugho	
tede: 2010-06-24 k: Replacement Owner Addr2: Owner Addr2: Owner Addr2: Owner Addr2: Owner Addr2: Owner City: Owner City: Owner City: Owner State: Owner Country: Delta Addras: Owner Country: Owner Co	No of Wells Drill:			Owner Addr1:	1015 PR 897	
Replacement Owner City: The Desc: Not Applicable Owner State Owner City: Owner State Ordler Address f: Ordler Owner City: Ordler Owner City: Ordler Owner City: Ordler Owner Owner City: Ordler Owner City: Ordler Owner Owner City: Ordler Owner Ci	Date Submitted:	2010-06-24		Owner Addr2:		
ht Descr. Not Applicable Not Applicable Owner State: Owner State: Owner State: Owner State: Owner State: Owner State: Owner Country: Driller Country: Owner State: Owner Country: Owner Zign: Owner	Type of Work:	Replacement		Owner City:	Stephenville	
ABHYS: Yes Driller Name: Country: 484Hrs: Yes Driller Name: Abhys: Yes Driller Name: Abhys: 2009-12-31 Driller Addrassf: Driller Addrassf: Driller Addrassf: Driller Addrassf: Driller Addrassf: Driller Addrassf: Driller Name: Driller State: Drille	Seal Method:	Not Applicable		Owner Sin:	76401	
Allers: Ves Driller Admes: Dt: 2009-12-31 Dt: 2009-12-31 Dt: 2009-12-31 Driller Addresst: Driller Addr	Seal Mind Oth Desc:	7		Owner Country:		
Dr. 2009-1231 Driller Addressf: Dr. 2009-1231 Driller Addressf: Dr. 2009-1231 Driller Addressf: Driller City: Driller State: Ve Plans: V	Plugged w/i 48Hrs:	Yes		Driller Name:	Josh Aardal	
Dir. 2009-16-31 Dir. Donestic Driller Addr.: Partier Aggresses Donestic Driller Addr.: Driller State: Dril	Drilling Start Dt:	2009-12-31		Driller Address1:	PO Box 16	
A Descr. A Desc	broomed lies:	Domestic		Driller Addrz:	Sipohanvilla	
we Plans: we Plans: Driller Zip: Driller Country: Driller Country: Driller Country: Driller Country: Driller Country: Dist to Saple Tric. Lat loag Veriff Method: Lat Neural. Lat Minute. Lat Minute. Lat Minute. Lat Long Degree: Lat Long Degree: Lat Long Degree: Long Minute. Long Second: Long Second: Associated Services - Josh Aardal	Prop Use Oth Descr.	Contegue		Driller City:	TX TX	
riller: No Driller Oth Cutry: riller: No Driller Oth Cutry: July: No Dist to Sap Contam: Jush Aardal Dist to Sap Contam: Dist to Prop Line: Dist to Sap Contam: Dist to Sap	TCEQ Approve Plans:			Driller Zip:	76401	
riller: No Doriller Country: viller: No Dist to Sep Contam: stree: Josh Aardal Dist to Sep Contam: Dist to Sep	Apprve by Variance:			Driller Oth Cntry:		
Iller: No Dist to Sept Contain: American Sept Sept Sept Sept Sept Sept Sept Sept		No		Driller Country:		
mme: Josh Aardal Dist to Septic Tk: d: Josh Aardal Dist to Septic Tk: d: Dist Verifi Method: pp: Unknown Horizon Datum Type: thit Desc: Lettude: Lattude: La		No		Dist to Sep Contam:		
d: Josh Aardal Dist to Prop Line: Josh Candid Dist Veriff Method: Josh Candid Dist Veriff Method: Josh Candid Dist Veriff Method: Josh Candid District D	Sealed by Name:			Dist to Septic Tk:		
igned: Dist Verifi Method: ipt: Unknown Horizon Gaum Type: ipt Desc: Latitude: ciller: Latitude: Lat Minute: Lat Minute: Lat Minute: Lat Second: Lar Second: Long Minute: Long Minute: Long Minute: Long Second: Long Minute: Long	Driller Signed:	Josh Aardal		Dist to Prop Line:		
pp: Onknown Horizon Datum Type: Horizon Datum Type: Horizon Datum Type: Elevation: Latitude: Latitude: Latitude: Latitude: Lati Bigrae: Lat Bigrae: Lat Second: Lat Second: Lat Second: Lat Gene: Lat Second: Lat Gene:	Apprentice Signed:			Dist Verifi Method:		
Tiller: Elevation: Elevation: Ciller: Latitude: Latitude: Latitude: Lat Minute: Lat Minute: Lat Minute: Lat Minute: Lat Minute: Lat Second: Lat Second: Lat Second: Long Degree: Long Degree: Long Minute: Long Minute: Long Second: 3147-8 Associated Services - Josh Aardal n Description: NK	Surface Compl:	Unknown		Horizon Datum Type:		
Inler: Lat Degree: Lat Degree: Lat Afforde: Lat Second: Longflude: Longflude: Longflude: Long Minute: Long Second: Associated Services - Josh Aardal	Surf Comp Oth Desc:			Elevation:		
Oth Desc: Lat Mirrule: Lat Mirrule: Lat Mirrule: Lat Second: Lat Second: Lat Second: Long Degree: Long Mirrule: Long Mirrule: Long Second: Associated Services - Josh Aardal r Description: VNK	Compit by Driller:			Latitude:	32 273333	
Associated Services - Josh Aardal Land Second: Land Second: Long Degree: Long Minute: Long Second: Long Second: Associated Services - Josh Aardal	Pump Type:			Lat Degree:	16	
nalysis: No Longitude: Ster Long Pagne: Erath Long Minute: Error: No Long Second: 147-6 Associated Services - Josh Aardal nn Description: NK	Pump Depth:			f at Second	24	
ter: No Long Degree: Egals Long Minute: Egals Long Second: Long Second: Long Second: Long Second: MR Associated Services - Joah Aardal MR Associated Services -		No		Longitude:	-98 196111	
Error: No. 31-47-8 Associated Services - Josh Aardal An Description: ANK		No		Long Degree:	98	
Error: No Long Second: 31-47-8 Associated Services - Josh Aardal nn Description: *NK		Eralh		Long Minute:	1	
31-47-8 Associated Services - Josh Aardal nn Description: NNK		No		Long Second:	46	
ame: m Description:	Grid No:	31-47-8				
n Description:	Company Name:		rvices - Josh Aardal			
	Well orginal leseranta					
	Toolings production					

License No: PWS No: PWS No: PWS No: Plug Rpt Track No: Orig Well Rpt Track No: Orig Well Rpt Track No: Apprentice Reg No: No of Wells Drill: Date Submitted: Type of Work: Type of What Oth Descr. Type of What Oth Descr. Seal Minth Oth Descr. Seal Minth Oth Descr. Fully Sea Oth Albass. Drilling End Dt Proposed Use: Prop Use Oth Descr. TCEQ Approve Plans: Appres by Variance: Loc Vfy by Drilling: Sealed by Name: Sealed by Name: Sealed by Name: Sealed by Driller:	Date Submitted: Type of Work Oth Descr: Saal Method: Saal Mithd Oth Descr: Plugged wif 48k4s: Drilling Saar Dt: Proposed Uses: Saaled by Parlier: Saaled by Name: Apprentice Signed: Surface Comple: Surf Comp Oth Desc: Company Type Oth Desc: Company Type Oth Desc: Company Parlier: Chemical Analysis: Diricous Water: Company Name: Wall Location Description: Commants: Data Sources:	Map Key Number of Records
2404 255332 2011-06-02 New Well Pumped No 2006-11-14 2006-11-14 2006-11-14 Domestic No Yes Gary Aardal Surface Sleeve Installed Submersible 420 00	2010-06-24 Replacement Owner Replacement Owner Replacement Owner Replacement Owner Owner No Dorner Replacement Owner No Replacement Owner No Replacement Owner No Replacement Owner No Dorner No Josh Aardal Dorliter & Dorl	oer of Direction Distance (mift)
No:	Owner Addr?: Owner State: Owner State: Owner State: Owner State: Owner Zip: Owner Country: Driller Address!: Driller Address!: Driller Address!: Driller Address!: Driller State: Driller State: Driller State: Driller State: Driller Oth Cntty: Driller State: Driller State: Driller State: Driller State: Driller State: Driller Driller Tk: Dist to Pop Line: Dist to Sopi Contam: Use to Pop Line: Dist to	Site
5205 N. US Highway 281 Stephenville Chris Baughn 1015 PR 887 Stephenville TX Stephenville F, O. Box 16 Stephenville TX 76401 80 100 Customer Verified 32 273333 32 16 24 -98, 186111	Stephenville TX Josh Andral Josh Andral PO Box 16 Stephenville TX 76401 100 100 Customer Verified 32 273333 32 16 46 198 1981111 98 1981111	
	SDRW WELLS	DB

Comments: Data Source:	Company Name: Well Location Description:	Grid No:	County:	Injurious Water:	Chemical Analysis:	Pump Type Oth Desc:	Pump Type:	Complt by Driller:	Surface Compl:	Apprentice Signed:	Sealed by Name:	Sealed by Driller:	Lac Vity by Driller:	TCEQ Approve Plans:	Prop Use Oth Descr:	Proposed Use:	Drilling End Dt:	Plugged w/i 48Hrs:	Seal Mithd Oth Desc:	Seaf Method:	Type of Work:	Date Submitted:	Apprentice Reg No:	Orig Well Rpt Trk No:	Plug Rpt Track No:	PWS No:		31 1 of 2	Latitude:	Longitude:	Depth Drilled	Water Usage:	County:	Owners Name:	Date Drilled:			30 1 of 1	Comments: Data Source:	Well Location Description:	Grid No:	Known Loc Error:
	Dowell Well Service	31-47-8	Ealh	N _o	Z _o		Submersible		Surface Sleeve Installed	WILLIAM DOWN	Mark Dowell	Yes	No i	000		Domestic	2006-12-20	No 12 20		Tremie	Replacement	2006-12-21			100693	1891		WN	32,263165	-9B_18042B	440	See	ERATH	KELLY CAS	12/18/2000	2		SE	\$dis Full SDR D		31-47-8 Associated Services	No E
Jarrell Dowell Contractor Full SDR Database; SDRDB Well Location (Map)	I Service								bed																			0.39 / 2,034.06				•	•	KELLY CASSTEVENS			1,950.67	0.37/	sdrs Full SDR Database; SDRDB Well Location (Map)		O Description	
ll Localion (Map)		Long second.	Long Minute:	Long Degrae:	Lat second.	Lat Minute:	Lat Degree:	Elevation:	Horizon Datum Type:	Dist Verifi Method:	Dist to Septic Tk:	Dist to Sep Contam:	Driller Country:	Driller Lip:	Driller State:	Driller City:	Driller Addr2:	Driller Name:	Owner Country:	Owner Zip:	Owner City:	Owner Addr2:	Owner Name:	Owner Well No:	Well City:	Well Addr2:	Siephenvine IX 70401	214 CR 434								:	X		I Location (Map)			Long Second:
		į	11	98	-98 196389	16 33	32	32 275555		owner	aver 53	over 160		75401	×	Stephenville	0 000 102	Mark A Dowell		7640 1	Stephenville,		Don Williams 214 CR 434	-	Stephenville 76401	2 4 CR 434																46
																												SDRW WELLS									WELL LOGS	7050				

Resords					31-47-8 09/15/1986	Grid No: Date Drilled:
Pascr Pumped Pascr Pumped Pascr Pascr Pumped Pascr P	TCEQ WELL LOGS		콨	0.41 / 2,188.54	WW	
Table Tabl			Il Location (Map)	base; SDRDB Wel	Full SDR Data	Data Source:
Part				SIVICE		Well Location Description
Table Tabl						Grid No:
Pasc:		43.B	Long Second:		No	Known Loc Error:
Pascorts		10	Long Minute:		Erath	County:
Part		98 1/0033	Longitude:		No do	Chemical Analysis:
Cof 2		59.9	Lat Second:			Pump Depth:
Cof 2		15	Lat Minute:			Pump Type Oth Desc:
Cof 2 NW		32	Lat Degree:		Submersible	Pump Type:
Cof 2		32 266639	Latitude:		Yes	Complt by Driller:
### Cords (mift) ### Cords			Elevation:			Surf Comp Oth Desc:
Cof 2			Horizon Datum Type:		Surface Steeve installed	Surface Compl:
Records (mift) 17 18 19 19 19 19 19 19 19 19 19		wheel	Dist verif weeked		Justin Dowell	Driner signed:
Records (mift) Interpretation Inter		507	Distrio Septic 1x:		2	Sealed by Name:
Records (mift) 10 147-8 20147-9 20147		105+	Dist to Sep Contam:		Yes	Sealed by Driller:
Records (mift) 10 1			Driller Country:		Yes	Loc Vfy by Driller:
Cof 2			Driller Oth Cntry:			Apprve by Variance:
Cof 2			Driller Zip:			TCEQ Approve Plans:
Records (mift) 1		Ζ.	Driller State:			Prop Use Oth Descr:
Records (mift) 10 147-9 204/965 24147-9 24147		Slephenville	Driller City:		Domestic	Proposed Use:
Records (mift) 10 1		- 0 00x +02	Oriller Addr2:		2020-05-15	Drilling End Dr.
Records (mift) 10 12 NW 0.39/ 31.47-8 04191995 04191995 14ARVEY WILLIAMS ERATH DOMESTIC 215 350 350 32 27556221081145 2116.70 TBD CR 176 216 Well Addressft		DO Boy 402	Driller Name:		2020.05.45	Plugged Wit 46ms:
Seconds		listic W Domell	Owner Country:		No	Seal Mithd Oth Desc:
Records (mift) 10 of 2 NW 0.39/ 2,034,06 TX 31.47-8 04/19/19/19/5 04/19/19/5 14 P. 2,034,06 17		76401	Owner Zip:		Pumped	Seal Method:
Records (mift) 1012 NW 0.39/ 31.47-9 04191995 14ARVEY WILLIAMS ERATH DOMESTIC 215 350 350 350 350 350 350 350 350 350 35		×	Owner State:			Typ of Wrk Oth Descr.
Records (mift) 10f2 NW 0.39/ 2,034,06 TX 314.7-9 04/19/1995 HARVEY WILLIAMS ERATH DOMESTIC 215 350 -98 19806125316082 32,27558221081145 2115.70 TBD CR 176 Sephenville TX 76401 Well Address1: TBD CR 176 Well Address No: 543860 Well Egy: Slephenville No: 76401 No: 543860 Well Egy: 76401 No: 543860 Well Egy: 76401 No: 543860 Well Egy: 76401 No: 1000-05-27 Owner Marine: Nick Braun Owner Marine: 5411 CR 522 Owner Addres: 5411 CR 522		Stephenville	Owner City:		New Well	Type of Work:
Records (mift) 10 of 2 NW 0.39/ 2,034,06 TX 31.47-8 04/19/19/19/5 11 ARVEY WILLIAMS ERATH DOMESTIC 215 215 350 350 352/758922108114.5 Stephenville TX 76401 Well Addresst: T80 CR 176 Well Address: T80 CR 176 Well Address: Stephenville TX 76401			Owner Addr2:		2020-05-22	Date Submitted:
Records (mift) 10f2 NW 0.39/ 31.47-9 04/19/1995 04/19/1995 14ARVEY WILLIAM/S ERATH DOMESTIC 215 350 -98.18696/1253/16082 32.275862210811445 2418.70 TBD CR 176 Stephenville TX 78401 Well Addresst: We		5411 CR 522	Owner Addri		_	No of Wells Drill:
Records (mift) 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Nick Brown	Owner Well No:			Ong Well Kpt Irk No:
Records (mift) (of 2 NW 0.39/ 31.47-8 04/19/1995 17X 31.47-8 04/19/1995 16AO/ 215 215 350 360 32/7556221081145 of 1 E 0.40/ 215 215.70 IBD CR 176 Well Address1: TBD CR 176 Well Address1: TBD CR 176 Well Address		/6407	Well Zip:		543960	Well Rpt Track No:
Records (mift) 10f2 NW 0.39/ 2,034,06 TX 314.7-8 04/19/1995 HARVEY WILLIAMS ERATH DOMESTIC 215 350 -98 18606125316082 32.27556221081145 56066 Well Addressft: T80 CR 176 Well Addressft: T80 CR 176		Stephenville	Well City:			Plug Rpt Track No:
Records (mift) 1			Well Addr2:			PWS No:
Records (mift) 1 0.39 /		TBD CR 176	Well Address1:		56066	License No:
Records (mift) 10f2 NW 0.39/ 2,034,06 TX 31.47-8 041391995 14ARVEY WILLIAMS ERATH DOMESTIC 215 350 360 3619505125316062 32,27556221081145 2115.70 IBD CR 176			Stephenville TX 76401			
Records (mift) 10f2 NW 0.39/ 2,034,06 TX 3147-9 04/19/1995 HARVEY WILLIAMS ERAH DOMESTIC 215 350 350 -98 19806125316082 32,27558221081145	SDR		TBD CR 176	2,116.70	п	
Records (mith) Records (mith) 10 12 NW 0.39 / 2,034.06 TX 31.47-8				0.40/	'n	
Records (mith) 10f2 NW 0.39 / 2,034.06 7X 31.47-8					On the Contract of	Faucaue.
Records (mith) 1:of 2 NW 0.39 / 2,034,06 TX 31:47-8				316082 B1145	-98 19606125:	Longitude:
Records (mith) of 2 NW 0.39/ 2,034.06 TX 31.47-8 04/19/1995 HARVEY WILLIAMS ERATH DOMESTIC 215					350	Depth Drilled:
Records (mift) 2 of 2 NW 0.39 / 2,034.06 TX 10 No: 0.31.47.8					215	Static Level:
Records (mift) 2 of 2 NW 0.39 / 2,034.06 TX 10 No: 04/19/1995 TX 10 No: 04/19/1995 HARVEY WILLIAMS 100F; BRATH					DOMESTIC	Water Usage:
Records (mift) 2 of 2 NW 0.39 / 2,034.06 TX 1d No:					ERATH	County:
Records (mift) 2 of 2 NW 0.39 / 2,034,06 TX 16 Drilled: 04/19/1995				LIAMS	HARVEY WILI	Owners Name:
Records (mlft) 2 of 2 NW 0.39 / 2,034.06 7X					04/19/1995	Date Drilled:
Records (ml/ft) 2 of 2 NW 0.39 / 2,034.06 TX					31-47-8	Grid No:
Records (mlft) 2 of 2 NW 0.39 / 2,034.06	WELL		×	,		
Records	TCEQ			2,034,06	4484	
Records				7 05 0	1916	
Records						
T :- 7				(mi/ft)		Records

Мар Кеу

Direction

Distance (mi/ft)

Site

Static Lands Stat	### ### ##############################
E 0.42/ 2.202.35 1	E 0.42/ 1 180 CR 176 202.25 180 CR 176 38.19833 32.274484 E 2.202.25 Stephenville TX 76401 Stephenville TX 76401 Well Address1: Well City: Well City: Well City: Well City: Well City: Well City: Owner Manne: Owner Manne: Owner Addr: Owner Addr: Owner Manne: Owner Addr: Owner Addr: Owner Addr: Owner Country: Owner Manne: Owner Country: Owner Manne: Owner Manne: Owner Country: Owner Country: Owner Manne: Owner Ma
.202.35 Tau .202.35 Step .202.35 Tau .202.35 Tau	(A2) TBD CR 178 Stephenville TX 76401 Well Addrass1: Well Addrass2: Well Addrass3: Well Addrass4: Well Addrass4: Well Addrass4: Well Chy: Diller C
TBD CR 175 Stephenville TX 75401 Well Addrass1: Well Addrass1: Well Addrass1: Well Cly: Delite Cly: De	s TX 76401 s TX 76401 ddc2: ddc2: vc Nell No: laame: laddc1: laddc2: lddc2: lddc3: ldd
	TBD CR 176 Staphenville 78401 Nick Braun TBD CR 176 Stephenville TX 76401 Justin W Dowell PO Box 402 Stephenville TX 22 Stephenville TX 32 Stephen

Мар Кеу	Number of Records	Direction	Distance (mi/ft)	Site		ВО
Screen Bottom: Screen Top: Gallons Per Minute:	397 317 318: 60			Longitude: Hdatum: Horz Meth:	-98 18144444 83 DOG	
Depth Agen:				Horz Acc:	15	
Type:				Horz Date:	06-Jan-2011	
CAD No:	1			Horz Org:	TCEQ	
Constr.	⊣ ⊣			Horz Datum: Quadnum:	NAD83 3298-142	
CCN:				Ownr Des:	6	
Alluviat:	z					
36	1 of 1	ENE	0.44 / 2,313.42	*		TCEQ WELL LOGS
Grid No: Date Drilled:		31-47-8 05/21/1981				
Owners Name:		F E SUTTON				
County:		ERATH				
Static Level:		320				
Depth Drilled:		400				
Latitude:		-98,1781393397155 32,2723778878568	56			
37 1.	1 of 1	WWW	0.45 / 2,356.80	CR 909 Stephenville TX 76401		SDRW WELLS
License No:	59346			Well Address1:	CR 909	
Plug Rpt Track No.				Well City:	Stephenville	
Orig Well Rpt Trk No:	k No:			Owner Well No:	7040	
Apprentice Reg No:	No:			Owner Name:	Terry Antoine	
Date Submitted:	2017-05-15	Ġ		Owner Addr2:	000000000000000000000000000000000000000	
Type of Work:		_		Owner City:	Decatur	
Seal Method:	Pumped			Owner Zin:	76134	
Seal Mithd Oth Desc:				Owner Country:		
Plugged w/i 48Hrs:	7S: No 2017-04-10	10		Driller Name:	Justin Moore	
Drilling End Dt:		19		Driller Addr2:	0000	
Proposed Use:	Domestic	•		Driller City:	STEPHENVILLE	
TCEQ Approve Plans:	olans:			Driller Zip:	76401	
Apprve by Variance:				Driller Oth Cntry:		
Sealed by Driller:	· Yes			Dist to Sep Contam:	100+	
Sealed by Name:				Dist to Septic Tk:	!	
Driller Signed:	Justin Moore	oore		Dist to Prop Line:	50+	
Surface Compl:		Surface Sleeve Installed		Horizon Datum Type:	WGS84	
Surf Comp Oth Desc:	SC:			Elevation:		
Complt by Driller:		Ž		Latitude:	32 270278	
Pump Type Oth Desc:	Desc:	G		Lat Minute:	16	
Pump Depth:				Lat Second:	13	
Chemical Analysis:				Longitude:	-98 197833	
County:	E No			Long Degree:	98	
Known Loc Error.				Long Second:	52.2	
Grid No:	31-47-8					

Order No: 22100504558

Direction Distance Site (mi/ft)

34	40
ensinfo.com	toft W
Environmental F	¥
Environmental Risk Information Services	0.47 / 2,480.26
ervices	952 CR 909

Order No: 22100504558

etisinfo.com | Environmental Risk Information Services

Order No: 22100504558

SDRW WELLS

Seaf Method:	Pumped	Owner Zip:	76401
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Justin W Dowell
Drilling Start Dt:	2020-11-12	Driller Address1:	PO Box 402
Drilling End Dt:	2020-11-12	Driller Addr2:	
Proposed Use:	Domestic	Driller City:	Stephenville
Prop Use Oth Descr:		Driller State:	X .
TCEQ Approve Plans:		Driller Zip:	
Apprve by Variance:		Driller Oth Cntry:	
Loc Viy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	110+
Sealed by Name:		Dist to Septic Tk:	65+
Driller Signed:	Justin Dowell	Dist to Prop Line:	60+
Apprentice Signed:		Dist Verifi Method:	owner
Surface Compl:	Surface Sleeve Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	32,267778
Pump Type:	Submersible	Lat Degree:	32
Pump Type Oth Desc:		Lat Minute:	16
Pump Depth:		Lat Second:	4
Chemical Analysis:	No	Longitude:	-98,1775
Injurious Water:	No	Long Degree:	98
County:	Erath	Long Minute:	10
Known Loc Error:	No	Long Second:	39
Grid No:	31-47-8	1	
Company Name:	Dowell Well Service		
Well Location Description:	on:		
Comments:			
Data Source:	D. 1 000 D. 1 000 D. W. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Location (Map)	

Full SDR Dalabase: SDRDB Well Location (Map) W 0.46 / C.451.74	Map Key N	Number of Records	Direction	Distance (mi/ft)	Site		DB
### 0.46 / IX ### 0.46 / IX 31-47-8 07/09/1993 #### 2.451.74 ###################################	Company Name Well Location D	escription:	Associated We	Services, Inc.			
### 0.46 / 2.451.74 31.47-8	Data Source:		Full SDR Dalat	ase; SDRDB Well	Location (Map)		
### SECOND STATE		of 1	W	0.46 / 2,451.74	אז		TCEQ WELL LOGS
##ISENAL JUDISANTO PROPA ##ISENAL JUDISANTO PROPALINE ##ISENAL JUDIS	Grid No: Date Drilled:		31-47-8 07/09/1998				
### BD CR 176 ### 2,455.48 ### 2,456.48 ### 2,455.48 ### 2,456.48 ### 2,456.48 ### 2,456.48 ### 2,456.48 ### 2,456.48 ### 2,456.48 ### 2,456.48 ##	County:		ERATH	DE/SANTO PROPA			
### Comparison	tatic Level:		130				
### Company of the control of the co	Depth Drilled:		458				
## 175 175	atitude:		32 267394				
\$56066 **Mell Address1: TBD CR 176 **Well Address1: TBD CR 176 **Well Address2: Stephenville \$560729 **Well Address2: Stephenville **Pumped Owner Addr2: TBD CR 176 **New Weil Owner Addr2: TBC CR 176 **New Weil Owner Addr2: TBC CR 176 **New Weil Owner Addr2: TBC CR 176 **Owner City: TX **Owner Addr2: TBC CR 176 **Owner City: TX **Owner State: TX **Owner Addr2: TBC CR 176 **Owner City: TX **Owner City: TX **Owner Addr2: TBC CR 176 **Owner City: TX **Owner City: TX **Owner Addr2: TBC CR 176 **Owner City: TX **Owner City: TX **Owner Addr2: TBC CR 176 **Owner City: TX **Owner Addr2: TBC CR 176 **Owner Addr2: TBC CR 176 **Owner Addr2: TAC C		of 1	m	0.47/			SDBW WEI
Second: Well Address! Well Address! Well Clay: Owner Mame: Owner Addrd: Owner State: Owner State				2,455.48	TBD CR 176 Stephenville TX 76401		SOUTH AND THE
Well Addr2: Well Cantry: S60729 Well Tip: Owner Main x: Owner Main X: Owner Main X: Owner Addr2: Owner State: Owner State	icense No:	56066			Well Address1:	TBD CR 176	
Seo729 Well City: Well City: Well City: Owner Well No: Owner Addr: Owner Addr: Owner Country: No Owner City: No Owner City: No Owner Country: No Owner Country: No Owner Country: Owner Count	WS No:				Well Addr2:		
According to the control of the cont	Yell Rot Track N				Well City:	Slephenville 76401	
100-12-04 Owner Name: 100-12-04 Owner Name: 100-12-04 Owner Addrd: 200-12-04 Owner Addrd: Owner Addrd: Owner State: Own	irig Well Rpt Tri	0:			Owner Well No:	9	
2020-12-04	pprentice Reg	No:			Owner Name:	Nick Braun	
New Well Owner City: Pumped Owner Zip: No Owner Zip: No Driller Aldress1: 2020-11-12 Driller City: 2020-11-12 Driller Aldress1: 2020-11-12 Driller City: 2020-11-12 Driller Aldress1:	ale Submitted:		2-04		Owner Addr2:	IBD CK 1/6	
Pumped Owner State: Owner State: Owner State: Owner State: Owner Country: No Driller Address!: 2020-11-12 2020	ype of Work:	,	all .		Owner City:	Stephenville	
No Domestic Dom	yp af Wrk Oth L		-		Owner State:	78401	
No Driller Marine: 2020-11-12 Driller Address!: 2020-11-12 Driller Address!: 2020-11-12 Driller Address!: 2020-11-12 Driller Address!: 2020-11-12 Driller City: 2020-11-12 Driller City: 2020-11-12 Driller City: 2020-11-12 Driller City: 2021-11-12	eal Mthd Oth D				Owner Country:		
Domestic Driller Addr 2: Domestic Driller State: Driller Country: Pes Driller Country: Dist to Septic Tk: Dis	rilling Start Dt:		-12		Driller Name:	PO Box 402	
Ves Domestic Driller City: Yes Driller State: Driller State: Driller Country: Yes Driller Country: Yes Driller Country: Yes Driller Country: Dist to Sep Contam: Type: Elevation: Lat Mirrute: Lat Mirrute: Long Minute: Long Minut	rilling End Dt		1-12		Driller Addr2:		
Yes Driller Zie. Yes Driller Country: Yes Driller Country: Yes Dist to Sep Contam: Flevation: Dist to Flevation: Elevation: Elevation: Lat Minute: Lat Minute: Long Min	ropased Use: rop Use Oth De		ក		Driller City: Driller State:	Stephenville TX	
Yes Driller Oth Carry: Yes Driller Country: Yes Driller Country: Yes Driller Country: Yes Driller Country: Yes Dist to Sep Country: Horizon Datum Type: Elevation: Land Degree: Land Mountry: Land Begree: Land Mountry: No Long Indied: No Long Maintale: Long Maintale	CEQ Approve F	Jans:			Driller Zip:		
Yes Dist to Septic Tr. Justin Dowell Dist to Septic Tr. Dist to Septic Tr. Dist to Pop Line. Surface Steeve Installed Elevation: Yes Laftude: Submersible Laftude: Lat Norree: Lat Orgree: Lat Second: Long Minute: No Long Second: Long Second: Long Second: Long Second:	pprve by Variar	<u>,,,</u>			Driller Oth Cntry:		
Justin Dowell Justin Dowell Justin Dowell Justin Dowell Just to Spile TA. Just to Prop. Line: Just Veril Method: Line: Dist Veril Method: Line: Lat Prop. Lat Minute: Lat Minute: Lat Second: Lang Minute: Lang Minute: Lang Second: Lang Second: Lang Second: Lang Second: Lang Second: Justin Lang Second: Lang Second: Justin Lang Minute: Justin Lan	ealed by Driller				Dist to Sen Contam:	110+	
Justin Dowell Dist to Prop Line: Dist Verifi Method: Yes Elevation: Yes Lattinge: Submersible Lat Degree: Lat Degree: Lat Minute: Lat Degree: Lat Minute: Lat Degree: Lattinge: Lang Minute: Lang Second: Jung Second:	eafed by Name:				Dist to Septic Tk:	65+	
Surface Sheeve Installed Dist Verifi Method: Yes Submersible Larbogree: Lar	riller Signed:		owell		Dist to Prop Line:	60+	
Yes Laftude: Submersible Laftude: Submersible Laftude: La	pprentice Signe				Dist Verifi Method:	owner	
Yes	urface Compi:		Steeve Installed		Horizon Datum Type:		
pe Submersible Lat Degree: pp Ohl Dasc: Lat Minute: pdh: Lat Second: ydh: Lat Second: Mater: No Long Degree: Eath Long Minute: No Long Minute: Long Second: Long Second:	omplt by Driller				Latitude:	32,267778	
po Oth Dasse: Lat Minute: poth: Lat Second: Longitude: Analysis: No Longitude: Long Dagree: Eralh Long Meute: Long	ump Type:		sible		Lat Degree:	32	
Valer: No Longitude: Water: No Longitude: Water: No Longitude: Statch Long Minute: Po CETTOT: No Long Minute: Statch Long Second: 31-47-6 Long Second:	ump Type Oth t	Desc:			Lat Minute:	6	
Water: No Long Degree: Eralh Long Minute: cc Error: No Long Second: 31.47-8	hemical Analys				Longitude:	-98-1775	
oc Error: No Long Minute: 3147-8	jurious Water:				Long Degree:	98	
31-47-8	ounty:				Long Minute:	10	
	rid No:				rong second:	38	

			Stephenville TX 76401		g.
License No:	56066		Well Address1:	952 CR 909	
Plug Rpt Track No:			Well Addr2:	Charlestille	
Well Rpt Track No:	568793		Well Zip:	76401	
Orig Well Rpt Trk No:			Owner Well No:		
Apprentice Reg No:	•		Owner Name:	Charles Fenner	
Date Submitted:	2021-03-18		Owner Addrt:	952 CR 909	
Type of Work:	New Well		Owner City:	Stephenville	
Typ of Wrk Oth Descr.			Owner State:	, א	
Seal Method: Seal Mithd Oth Desc:	Pumped		Owner Zip:	76401	
Plugged w/i 48Hrs:	No		Driller Name:	Justin W Dowell	
Drilling Start Dt:	2021-03-12		Oriller Address 1:	PO Box 402	
Proposed Use:	2021-03-12 Domestic		Driller Addr2:	Pinakamilla	
Prop Use Oth Descr.	Concession		Driller State:	TX	
TCEQ Approve Plans:			Driller Zip:		
Apprve by Variance:	ζ,		Driller Oth Cntry:		
Sealed by Driller:	Yes		Dist to Sen Contem:	110+	
Sealed by Name:			Dist to Septic Tk:	65+	
Driller Signed:	Justin Dowell		Dist to Prop Line:	55+	
Surface Compl:	Surface Sleeve Installed		Harizan Datum Type:	owner	
Surf Comp Oth Desc:			Elevation:		
Complt by Driller:	Yes		Latitude:	32 268056	
Pump Type Oth Desc:	Cacinolation		Lat Minute:	16	
Pump Depth:	Ĭ		Lat Second:	(J)	
Iniurious Water:	8 8		Longitude:	-98 198611 GB	
County:	Erath		Long Minute:	11	
Grid No:	No 31-47-8		Long Second:	55	
Company Name:	Dowell Well Service	rvice			
Well Location Description:	m:				
Data Source:	Full SDR Datal	Full SDR Database; SDRDB Well Location (Map)	cation (Map)		
41 1 of 1	MNM	0.47 / 2,497.60	Off of CR 909 Stephenville TX 76401		SDRW WELLS
License No: PWS No:	55033		Well Address1:	Off of CR 909	
Plug Rpt Track No:	336531		Well City:	Slephenville	
Orig Well Rpt Trk No:			Owner Well No:	10101	
Apprentice Reg No: No of Wells Drill:			Owner Name:	Billy Griffin	
Date Submitted:	2013-08-19		Owner Addr 2:		
Type of Work:	New Well		Owner City:	Stephenville	
Seal Method:	Pumped		Owner Zip:	76401	
Seal Mthd Oth Desc:			Owner Country:		
Drilling Start Dt:	No 2012-03-13		Driller Name:	Josh Aardal	
Drilling End Dt:	2012-03-13		Driller Addr2:		
Proposed Use:	Domestic		Driller City:		
Prop Use Oth Descr.			Driller State:		
Apprve by Variance:			Driller Oth Cntry:		
Loc Viy by Driller:	No		Driller Country:	1	
seared by priner:	Tes		Dist to Sep Contam:	50+	

DB

Map Key Number of Records

Direction

Distance (mi/ft)

Site

43 1 of 1	Comments: Data Source:	Company Name: Well Location Description:	Grid No:	County:	Injurious Water:	Chemical Analysis:	Pump Depth:	Pump Type:	Complt by Driller:	Surf Comp Oth Desc:	Surface Compl:	Apprentice Signed:	Driller Signed:	Sealed by Name:	Loc viy by uniter:	Apprve by Variance:	TCEQ Approve Plans:	Prop Use Oth Descr.	Proposed Use:	Drilling End Dt:	Drilling Start Dt:	Plugged w/i 48Hrs:	Seal Mithd Oth Desc.	Sool With Oth Descr.	Type of Work:	Date Submitted:	No of Wells Drill:	Apprentice Reg No:	Orig Well Rpt Trk No:	Well Rot Track No:	Plua Rot Track No:	License No:	:			42 1 of 1		Data Source:	Comments:	Company Name: Well I ocation Description:	Grid No:	Known Loc Error:	County:	Injurious Water:	Chemical Analysis:	Pump Death:	Pump Type Oth Desc:	Pump Type:	Comple by Oriller:	Surface Compi:	Apprentice Signed:	Driller Signed:
×			31-47-8	Erath No	No	No	,	!	Yes		Surface Sleeve Installed		JEEF BENNETT	60	Yes	×	8.1		Domestic	2020-10-23	2020-10-23	N _o	Tiessone		New Well	2020-12-20	-			562001		4805	2			m		Full SDR Datab	ACLH ACLH	intion.	31-47-8	No	Erath	No	No	440.00	C C C C C C C C C C C C C C C C C C C	Supplemental	•	Sundce Steeve cistaties	2	Josh Aardal
0.50 / 2,656.02	Full SDR Database; SDRDB Well Location (Map)	BENNETT WATER WELL DRILLING, INC.																																	2,580.75	0.49/		ase; SDRDB We														
ス	II Location (Map)	ING, INC.	cong decond.	Long Minute:	Long Degree:	Longitude:	Lat Second:	Lat Dogree:	Latitude:	Elevation:	Horizon Datum Type:	Dist Verifi Method:	Dist to Septic 1x.	Dist to Seption.	Driller Country:	Driller Oth Cntry:	Oriller Zip:	Driller State:	Driller City:	Driller Addr2:	Driller Address1:	Driller Name:	Owner Country:	Owner State:	Owner City:	Owner Addr2:	Owner Addr1:	Owner Name:	Owner Well No:	Well Zip:	Well City:	Well Address1:		STEPHENVILLE TX 76401	3055 CR 176			Full SDR Database; SDRDB Well Location (Map)				Long Second:	Long Minute:	Long Degree:	Longitude	Lat Second:	Lat Minute:	Lat Degree:	l affinde:	Honzon Datum Type:	Dist Verifi Method:	Dist to Prop Line:
			S	36 0	98	-98,176667	on ō	32	32 268056			100	50 +				/64/6	X	TOLAR		7300 W_HWY 377	Jeffrey D Bennett	1000	76/04	STEPHENVILLE		3055 CR 176	RANDY TATSCH		76401	STEPHENVILLE	3055 CR 176										53	11	98	-98 198056	24	16	32	32 273333		Customer ventied	100+
TCEQ WELL LOGS																																			SDR																	
36																																			SDRW WELLS		ķņ.															
	Grid No: Date Drilled: Owners Name:		t			Data Source:	Comments:	Company Name:	Grid No:	Known Loc Error:	County:	Injurious Water:	Chemical Analysis:	namp Type on Desc.	Fump Type:	Compit by Driller:	Surf Comp Oth Desc:	Surface Compl:	Apprentice Signed:	Driller Signed:	Sealed by Name:	Sealed by Driller:	Appre by variance:	CEQ Approve Plans:	Prop Use Oth Descr.	Proposed Use:	Drilling End Dt:	Drilling Start Dt:	Plugged w/i 48Hrs:	Seal Mithd Oth Desc:	Seal Method:	Type of Work:	Date Submitted:	No of Wells Drill:			Plug Rpt Track No:	PWS No:	License No:			44 1 of 1				Latitude:	Langitude:	Denth Drilled	Static Level:	Water Hearn:	Owners Name:	Date Drilled:
County: Water Usage: Static Level: Depth Drilled: Longitude:	Grid No: 3147-8M Grid No: 91051975 Date Drilled: 093051975 Owners Name: TOBY STONE			1 of 1			Comments:		31-47-8			Iniurious Water: No	Chemical Analysis:	Point Opath:	Fump Type:	Compit by Driller:	Surf Comp Oth Desc:	Surface Compl: Surface Sleeve Installed	ed:	Driller Signed: JEFF BENNETT	e.	Sealed by Driller No	ė	Anna hi Voice	Prop Use Oth Descr	Proposed Use: Domestic	.,	Drilling Start Dt: 2006-04-20			Seal Method: Other	Type of Work: New Well							License No: 4805							!		7		Water Hearn: DOMESTIC		
County: Water Usage: Static Level: Depth Drilled: Longitude:			100	1 of 1			Comments:		31-47-8				Chemical Analysis:	purp Opoth:	Pump Type:	Compit by Driller:	Surf Comp Oth Desc:		ed:		e.		ė	CEQ Approve Plans:	Prop Use Oth Descr.		.,				In nescr.					Well Kpt Irack No: Orig Well Rpt Trk No:					2,699.88	1 of 1				!		7				
County: Water Usage: Static Level: Spath Drilled: Longitude:			in G	T OF T		Data Source: Full SDR Database; SDRDB Well Location (Map)	Commants:	Company Name: BENNETT WATER WELL DRILLING, INC	31-47-8	No	Erath			E Cesoc.				Surface Sleeve Installed	led:	JEFF BENNETT	e.	No	ė	57		Domestic	2006-04-20	2006-04-20	No	CONVENTIONAL	In nescr.	New Well	2006-06-26		Apprentice Reg No:	Well Rpt Track No: 80020 Orig Well Rpt Trk No:				⇉	2,699.88	1 of 1 NW				!		7				

Order No: 22100504558

TCEQ WELL LOGS

DB

SDRW WELLS

Map Key Number of Records

Direction

Distance (mi/ft)

Site

DB

Map Key Number of Records

Direction

Distance (mi/ft)

Site

ion Services

Order No: 22100504558

Total W 0.527 Highway 251 towards Morgan Mill	TCEQ WELL LOGS		×	0.54 / 2,831.60	NIN	10f1
Toft W 0.521/ Highway 281 towards Morgan Mill						
Records					32 257287	Latitude:
### Records Toft W 0.527					320	Depth Drilled:
### Records Tof1 W 0.52 /					260	tic Level:
Tof1					DOMESTIC	iter Usage:
### Records 10f1 W					ERATH	unity:
Tof1					JOE TORRES	mers Name:
Toft W 0.527					31-47-8	Grid No:
### Records 1 of 1 W 0.527 Highway 261 towards Morgan Mill			12			
### Records Tof 1	TCEQ WELL LOGS		Į	0.52/ 2,767.58	SW	1 of 1
### Records ###						
### (miff) ### 0.52/ ### 0.52/ ### 1760.23 #### 10 towards Morgan Mill #### Addr2: #### Well Addr2: ####################################			Location (Map)	ase; SDRD8 Well	Full SDR Databa	Data Source:
(miff) ### 0.52 / ### 1,750.23 ### 2,750.23 #### 1,750.23 ###################################						Comments:
### Records ###				Ces		ell Location Descripti
### \$2,750,23 Highway 281 towards Morgan Mill						Grid No:
### Table		57	Long Second:		No	Known Loc Error:
### 1972 1972		11	Long Minute:		Erall	unty:
### Records		-90-199157	Long Degree:		8	urious Water:
### Records		98 199167	Lat Second:		38U UU	imp Depth:
### Records		16	Lat Minute:			Pump Type Oth Desc:
### ### ##############################		32	Lat Degree:		Submersible	тр Туре:
### 1997 ### 1997		32 27027 8	Latitude:			amplt by Driller:
### ### ##############################			Flooring:		Surace Sieeve ilistalieu	of Comp Oth Deec.
### 1732 ### 1732 ### 1732 ### 1732 ### 1732 ### 1732 ### 1732 #### 1732 #### 1732 ###################################		Customer Verified	Dist Verifi Method:		Surface Closed Installed	prentice Signed:
### ### ##############################		30	Dist to Prop Line:		Gary Aardal	Driller Signed:
### ### ##############################			Dist to Septic Tk:			aled by Name:
### 1952/ ### 1952/ ### 1952/ #### 1952/ ####################################		100	Dist to Sen Contam:		Yes	aled by Driller:
### ### ##############################			Driller Oth Cntry:			oprve by Variance:
### Records ###		76401	Driller Zip:			CEQ Approve Plans:
### Records #### ###############################		TX	Driller State:			op Use Oth Descr.
Records		Slenbenville	Driller City:		Domestic	oposed Use:
Tof 1		P. O. Box 16	Driller Address1:		2004-04-21	illing Start Dt
### Records (milft) 10f1 W 0.52 /		Gary Ardal	Driller Name:		No.	ugged w/i 48Hrs:
Records			Owner Country:			Seal Mithd Oth Desc:
### ### ##############################		76401	Owner Zip:		Pumped	Seal Method:
### ### ##############################		TX	Owner State:		1011	p of Wrk Oth Descr:
### ### ##############################		Stephenville	Owner City:		New Well	ope of Work:
### Records Frank		395 Morgan Mill Road, #4	Owner Addr1:		2006 01 25	o of Wells Drill:
### Records (mi/#) ##################################		Gary Davis	Owner Name:			Apprentice Reg No:
### Records (mifft) ##################################			Owner Well No:			Orig Well Rpt Trk No:
### Records (mi/#) ##################################		76401	Well Zip:		74760	Well Rpt Track No:
### Records (miff) ##################################		Stephenylle	Well City:			ug Rp! Track No:
titude: 32.265723 1 of 1 W 0.527 2,750.23 Highway 281 lowards Morgan Mill Stephenville TX 76401	Mill	Highway 281 towards Morgan	Well Address1:		2404	WS No:
### Records (mifft) ##################################			,			
Records (mift) 32.265723	SDRW WEL	gan Mill	Highway 281 towards Morg Stephenville TX 76401	0.52 / 2,750.23	W	46 1 of 1
Records (mift) 32.265723						
Records (mi/ft)					32 265723	Latitude:
				(mi/ft)	G	1,000

				n	Well Location Description:	
				31-41-B		
	34	Long Second:		No.	oc Error:	
	10	Long Minute:		Erath		
	98	Long Degree:		No		
	-98 176111	Longitude		No	lysis:	
	> ā	Lat Second:		420.00	Pump Denth:	
	32	Lat Degree:		Submersible		
	32 266667	Latitude:			riller:	
		Elevation:			Surf Comp Oth Desc:	
		Horizon Datum Type:		Surface Sleeve Installed		
	customer verified	Dist Verifi Method:			ned:	
	50	Dist to Prop Line:		Russell Langford		
	Jo	Dist to Seption The		Ē	Seafed by Name:	
	n C	Driller Country:		Yes		
		Driller Oth Chtry:		20	I of Viv by Driller:	
		Driller Zip:			Approve Plans:	
		Driller State:			Prop Use On Descr.	
		Driller City:		Domestic		
		Driller Addr2:		2012-05-23		
		Driller Address1:		2012-05-23	•	
	Russell Langford	Driller Name:		No	S:	
		Owner Country:			8	
	76401	Owner Zip:		Pumped		
	ĭ×,	Owner State:		٠	Descr:	
	Stephenville	Owner City:		Replacement		
	1 100	Owner Addr2:		2013-08-15		
	2488 CR 176	Owner Addrt			No of Wells Drill:	
	This ball to the b	Owner Wen No:			Anneatice Bed No:	
	/6401	Well Zip:		333178		
	Stephenville	Well City:		225470		
		Well Addr2:			PWS No.	
	2488 CR 176	Well Address1:		56062	Vo:	
		Stephenville TX 76401				
		2488 CR 176	2,864.37			
SUBMINIST S			0.54/	m	50 1 of 2	
				32.25661	Latitude:	
				-98 196968	Longitude:	
				325	Depth Drilled:	
				260 260	Static Level:	
				ERATH	County:	
			70	DAVID BARGER	Owners Name:	
				03/26/1979	Date Drilled:	
				31-47-8	Grid No:	
WELL LOGS		אז	4,000.11			
TCEQ			0.54 / 2.860 77	WS	49 1 of 1	
			149B 6246	-98 1961206221498 32 27924568216246	Longitude: Latitude:	
				413	Depth Drilled:	
				361	Static Level:	
				DOMESTIC	Water Usage:	
			AM	WINDLE GRAHAM	Owners Name:	
				11/03/1995	Date Drilled:	
			,			
DB (Site	Distance (mi/ft)	of Direction	Map Key Number of Records	

2 of 2 2 of 2 1891 18	2 of 2 E 2,864.37 TX 31.47-8	20f 2 E 0.54/ 2,864.37 TX 31.47.8	### PRIJECT Client Coff	2 of 2 E 0.547 TX Reli SDR Dahasase: SDRDB Well Location (Map) 1 of 1 MWW 0.547 TX EBATH DOMESTIC 233 24 28933983251933 2 1 1611 MWW 0.547 Supplementile XX 75401 2 2 28933983251933 2 2 2893398325193 2 2 28933983251
### 1.5DK Database; SUNUS Well Location #### 2,864,377 7X 31-47-8 3906/2001 ###################################	### DATA Unitabases: SURUIS Well LOcation (Map) #### Add	### Location (Map) E	### CONTRIBUTION PROVIDED BY TOTAL #### CONTRIBUTION #### CONTRIBUTION #### CONTRIBUTION ##### CONTRIBUTION ##### CONTRIBUTION ###################################	Full SDR Disabase SDROB Well Location (Nap) Free Company Fre
0.54/ 2,864.37 TX 388242 725103	0.54 / 2,864.37	0.541/ 2,864.371 0.541/ 2,864.371 1X 0.541/ 2,875.19 5189 N US Hwy 281 364072 3650 N Sephenville 2,875.19 5189 N US Hwy 281 3690 N Sephenville 3618 N Sephenville 3618 N US Hwy 281 3618 N	2,854.77 2,854.377 2,875.19 6189 N US Hwy 281 Well Address 1: Well Address 2: Well Address 3: Well Address 3: Well Address 3: Well Address 3: Well Address 4: Well Address 4: Well Address 3: Well Address 4: Well Address 4: Well Address 4: Well Address 4: Well Address 5: Well Address 6: Well Ad	2,864.97 2,864.
1X 1X 1X 18 Location (Map) 6189 N US Hwy 281 Stephenville TX 76401 Well Address1: Well Address1: Well City: Well Zip: Owner Well No: Owner Mame: Owner Addr.2: Owner State: Owner State: Owner State: Owner Country: Owner Country: Owner Country: Owner Country: Owner Country: Owner City: Owner Well No.	Wwy 281 FIX 764011 FIX 764011 Ameniadae: Vall No. V	Wy 281 *TX 76401 *TX 76401 drassf: 6189 N US Hwy 281 drassf: 5189 N US Hwy 281 drame: 5189 N US Hwy 281 dame: 5189 N US Hwy 281 ddra: 5189 N US Hwy 281 ddra: 5189 N US Hwy 281 ddrassf: 6189 N US Hwy 281 ddrassf: 5180 N US Hwy 281 ddrassf: 76401 bit Cntry: 74401 ddrassf: PO Box 402 ddrassf: 75 ddrassf: 75 ddrassf: 75 fill Ashbod: 5280278 se: 16 fill 49 se: 16 se: 16 draft: 98 draft:	### TCEQ #### W7 281 ### TX 76401 ### TX 764	MALE BANAL
	5189 N US Hwy 281 Stephenville 75401 Stephenville 1X Stephenville 1X Stephenville 1X 75401 Mark A Dowell PO Box 402 Stephenville 1X 76401 110 75 0wnsr 32 280278 32 32 38 194722 98	89 N US Hwy 281 B9 N US Hwy 28	BS N US Hwy 281 SDRW WELL LOGS	### CED #### A: ### B: GMA: ### G- Braze GCD: ### WELL LOGS ### WELL LOGS ### WELL S: ###

Ķ

TCEQ WELL LOGS

325 CR 477 Stephenville TX 76401

SDRW WELLS

Well Address1:

325 CR 477

Order No: 22100504558

×

TCEQ WELL LOGS

Map Key Number of Direction Distance Site Records (mi/ft)

Order No. 22100504559	2000	ek Information Co.	prisinfo com Environmental Dick Information Consider	-	S.	Order No. 22100504559			original Equipmental Birk Information Continue	Environmo.	o initial
			31-55-2N 11/21/1973	Đ,	Grid No: Date Drilled			Horizon Datum Type:	dure Used	Alternative Procedure Used	Surface Compl:
	3						HAND MEASURED	Dist Verif Method:	I OCK	NICHOLAS R POLLOCK	Apprentice Signed:
WELL LOGS	7	3,350.40					n	Dist to Septic Tk:	É	10010	Sealed by Name:
TCEQ		0.6//	SSW	2 10 2	59		50+	Dist to Sep Contam:		Yes	Sealed by Driller:
								Driller Country:		No	Loc Vfy by Driller:
							70070	Driller Oth Catry			Approve by Variance:
							750/3 X	Oriller State:			Prop use um pescr:
			32 251736		l atitude:		GLEN KOOL	Driller City:		Domestic	Proposed Use:
			-98.19366		repui prineu.			Driller Addr2:		2014-08-27	Drilling End Dt:
			300	2	Don't Drillo		P O BOX 82	Driller Address1:		2014-08-25	Drilling Start Dt:
			RRIGATION	ge	water usage:		Eddie J Pollock	Driller Name:		No	Plugged w/i 48Hrs:
			ERATH		County:			Owner Country:	MENTED	PRESSURED CEMENTED	Seal Mithd Oth Desc:
		TEXAS EXPERIMENT STATION	TEXAS EXPER	me:	Owners Name:		76401	Owner Zip:		Other	Seal Method:
			05/27/1999	ij	Date Drilled:	•	×	Owner State:			yp of Wrk Oth Descr:
			31-55-2		Grid No:		STEPHENVILLE	Owner City:		New Well	Tune of Work
	3					S 11841 201	03#3 NON I I O	Owner Addra:		2014-09-23	No or wers orn:
WELL LOGS	ŧ	3,550,40				OA TARHAM	MAIL & MYLISS	Owner Name:		56845	Apprentice Reg No:
TCEQ		0.67/	SSW	7 of 2	59		WELL # 2	Owner Well No:			Orig Well Rpt Trk No:
							76401	Well Zip:		375582	Well Rpt Track No:
							STEPHENVILLE	Well City:			Plug Rpt Track No:
								Well Addr2:			PWS No:
		568176	32.273144886568176		Latitude:	S 281	6345 NORTH US 281	Well Address1:		1551	License No:
		722462	-98 174299292	ed:	Lepta brilled:			STEPHENVILLE TX 76401			
			200	. *	Static Level:	SUCH MELLS		6345 NORTH US 281	3,409.91		
			DOMESTIC	ge:	Water Usage:	SUBM MELLS			0.65/	MNN	56 1 of 1
			ERATH		County:						
		IDER	LEVY ALEXANDER	me:	Owners Name:			(Contract No. of St.)			
			09/04/1993	ij	Date Drilled:			U Location (Mao)	Full SDR Dalabase: SDROB Well Location (Mao)	Full SD	Data Source:
			31-47-8		Grid No:				ov contractor		Well Focation pescription:
	*								Dowell Well Service		Company Name:
WELL LOGS	ŧ	3,379.63								31-47-8	Grid No:
TCEQ		0.6//	FNE	7 07 7	58		32	Long Second:		No.	Known Loc Error:
			1		3		10	Long Minute:		Erath	County:
							98	Long Degree:		No	Injurious Water:
							-98,175555	Longitude:		No	Chemical Analysis:
		50125	32 27902496450125		Latitude:		57	Lat Second:			Pump Depth:
		18428	-98 199242914		Longitude:		5 1	Lat Minute:			Puma Type Oth Desc:
			400	ed	Depth Drilled:		37	Lat Degree:		Sibrancible	Compiley orner.
			360	9. 6	Static Level:		32 265934	nevation:			Surr Comp Om Desc:
			DOMESTIC	26.	Water Hea		200	Honzon Datum Type:	Islalied	Surface Sleeve installed	Surface Compi:
		C	EBATH	ma.	County:		OWITE	DIST Venn Memod:		Robert Londermilk	apprentice signed:
		2	21 DYD DING		Date Drived:		48	Dist to Prop Line:		Mark Dowell	riller Signed:
			43/06/4070	Ŀ	Grano:			Dist to Septic Tk:			Seafed by Name:
							100	Dist to Sep Contam:		Yes	sealed by Driller:
***************************************	77							Driller Country:		No	Loc Vfy by Driller:
in Conc		3,507.40						Driller Oth Cntry:		na	pprve by Variance:
1000		0.66/	MN	1 of 1	57		76401	Driller Zip:			TCEQ Approve Plans:
							, x	Driller State:			Prop Use Oth Descr.
				•			Stephenville	Driller City:		Domestic	Proposed Use:
	Location (Map)	Full SDR Database; SDRDB Well Location (Map)	Full SDR Data	e.	Data Source:			Driller Addr2:		2009-12-29	Drilling End Dt:
				73	Comments:		PO Box 402	Driller Address1:		2009-12-28	Drilling Start Ot:
	i			Well Location Description:	Well Locat		Mark A Dowell	Driller Name:		No.	Plugged w/i 48Hrs:
	NG .	POLLOCK WATER WELL DRILLING			Company Name:			Owner Country		DOLL	Seel With Oth Decc
	rong decond.		31-47-8		Grid No:		7640 1	Owner Zip:		Other	Seal Method:
			No.		Known / or		TX	Owner City:		Keplacement	Type of Work:
			7		injunous Water:		Of the second	Owner Addrz:		2010-01-08	Date Submitted:
95278				is:	Chemical Analysis:		325 CR 477	Owner Addr1:			No of Wells Drill:
	••		420.00		Pump Depth:		James Sommer	Owner Name:		57240	Apprentice Reg No:
				th Desc:	Pump Type)	Owner Well No:			Orig Well Rpt Trk No:
			Submersible		Pump Type:		76401	Well Zip:		203770	Well Rpt Track No:
32 282222					Complt by Driller:		Stephenville	Well City:			Plug Rpt Track No:
	Elevation: 1386			Surf Comp Oth Desc:	Surf Comp	17,8	į.	Well Addr2:			PWS No:
		(mi/rt)		Records					(m/m)	5	Records
08	Site	Distance	Direction	Number of	мар кеу	280		Site		r of Direction	Map Key Number of
0B	0:42	Distance	Direction	Muse har of	Man Kov	20		924,			

440 -98.200355320702	DOMESTIC 340	ERATH	10/25/2000	31.47.9		10f1	-98 1752 32 26063	DOMESTIC 301 429	10/23/1989 BERT WRIGHT ERATH	31-47-8		1 of 1 ESE	2	-98,2011v	331	ERATH DOMESTIC	07/09/1986 F. GRIFFIN	24	1 of 1 SW	2.	430 -98,1737 32,26712	IRRIGATION	ERATH	31-47-8 12/28/1985 GORDON 1		n		-98 19366 32 251736	300 420	TEXAS / ERATH NOT REF	
940 98.200355320702	ิด	EAVIS	ō		4,069,64	0.77 /	-98 17526108264168 32 26063375100953	ਨ	NGHT		3,728.73	0.71/		-98,20110164341857 32,25933039562065	i	กั	Z 36		0.70 / 3,710,72		430 -98,17379235472117 32,2671213024289	ŌX		31-47-8 12/28/1985 GORDON TAYLOR		3,623.29		8 0		TEXAS AGRICULTURE EXPIREMENT FARM ERATH NOT REPORTED	
				;	2						×							72							×					NENT FARM	
					TCEQ WELL LOGS	*					WELL LOGS								TCEQ							TCEQ WELL LOGS					
5.5	Plu	Sea Sea	Typ	Dan	Ap	Orio Well	Lic.	65	Î	CC) Allu	Constr:	Type: CAD No:	Depth EPID:	Scre	Com	Static	Wate	Oper Oper	PWS ID: WTRSRI ID No:		65	f		tor.	Sta	ទូទូ	Gri Day		64	Lati	1
Drilling End Dt:	Plugged w/i 48Hrs: Drilling Start Dr	Seal Method: Seal Mthd Oth Desc	Typ of Wrk Oth Des	Date Submitted:	Apprentice Reg No:	Plug Rpt Track No: Well Rpt Track No: Orin Well Rot Trk No	License No: PWS No:	2 of 2		CCN: Alluvial:	str: fine:	No:	Depth Agen: EPID:	Screen Top: Gallons Per Minute:	Compliant:	Static Lev:	rUsao:	Operating Status:	WS ID: WTRSRC: D No:		1 of 2			Longitude:	Water Usage: Static Level:	County:	Grid No: Date Drilled:		1 of 1	Latitude:	l
illing End Dt: 2010-08-27	S.	Seal Muhd Oth Desc: Other Seal Muhd Oth Desc: Pressure Tremmie	Typ of Wrk Oth Descr:		orentice Reg No:	Plug Rpt Track No: Well Rpt Track No: 230895	ense No: 56064 S No:	2 af 2 SW			str: T		h Agen: DRILL 001	Minute:					SRC: 0720056 SRC: G0720056A G0720056A		1 of 2 SW			e:					1 of 1		
	S.	Desc:			orentice Reg No:		Vo:						Agen:	Minute:					ų,					e:				:		tude: 32 28034775881604	
	's: No 2010-06-03	Olher Olsec: Pressure Tremmie		2010-09-24	lo:	230895	Vo: 56054	WS		Z	Π →		Agen:	334 Minute: 100	Yes 394	08/27/2010		OPERATIONAL	0: 0720056 PC: G0720056A G0720056A		SW 0.82/ 4,327.74			e:				:	WIN		
2010-08-27	vs: No Driller Name:	Olher Desc: Pressure Tremmie	NGW WEST	2010-09-24 Owner Addr2:	lo:	230895	vo: 56054 Weil Address1: Weil Addres:	SW 0.82/ 4,327.74		N Ownr Des:	T Horz Datum:	Horz Date: Horz Org:	Agen: DRILL Horz Age:	334 Hatum:	Yes 394	08/27/2010	ACTIVE - PERMANENT (Itily National ACTIVE - PERMANE	OPERATIONAL	D: 0720056 Segment: PC: G9720056A System Sia: G0720056A Confact Phone:		SW 0.82/ 4,327.74			e:				4,293.96	WIN		

Grid No:
Date Drilled:
Owners Name:
County:
Water Usage:
Static Level:
Depth Drilled:
Longitude:
Latitude:

Grid No:
Date Drilled:
Owners Name:
County:
Water Usage:
Static Level:
Depth Drilled:
Longitude:
Latitude:

Owners Name: County: Water Usage: Static Level: Depth Drilled: Longitude: Latitude:

Мар Кеу

60

Grid No:
Date Drilled:
Owners Name:
County:
Water Usage:
Static Level:
Depth Drilled:
Longitude:

63

Grid No:
Date Drillad:
Owners Name:
County:
Water Usage:
Static Level:
Depth Drilled:
Longitude:
Latitude:

Discription Distance Sin											
Briefline Britange Bay Britange Bay Britange Britang	WELL LOGS	×	4,341.02					Location (Map)	ıse; SDRDB Well	Full SDR Datab	nrce:
Part Decide Dec	TCEQ		0.94 /	¥		74			ice		y Name: cation Description:
March Direction Difference State Difference D						ſ					
Procession Pro				-		1	17	Long Second:		O	Loc Error:
Marie Mari			38612	32 259362195	itude:	1.0	4 6	Long Degree:			s water:
Professional Control Control Contr			71116	-08 171807388	om britea:		-98.171389	Longitude:		0	is:
Decision Decision Delignon Silva				301	The Level:	St	N	Lat Second:			
December				DOMESTIC	iter Usage:	. W.	16	Lat Minute:			Oth Desc:
December December Detautor				ERATH	unty:	Co	32	Lat Degree:		ubmersible	
Decision Distance			7	BERT WRIGH	mers Name:	Ο,	32 267222	Latitude:		es	
District				10/23/1989	te Drilled:	Da		Elevation:		Charles of the same of the same	
Decision Distance				31-47-8	d No:	Gr	Caig	Harizon Datum Type-		urface Sleeve Installed	
Decision Difference No. Difference Difference Difference Difference Difference Difference		>					100+	District Mother		GIA COREGII	
Part Direction Dilatance Site Differ Ching FRISCO FR	WELL LOGS	7	4,0/0.4/					Dist to Septic IK:		fack Downell	
Provide Prov	TCEQ		1.92/	100		70	75	Dist to Sep Contam:		a c	
particular of bifunding Diffunding Site Diffunding Site Adapting property Adapting Diffunding Site Adapting Adapting Diffunding Site Adapting Diffunding Site Adapting Adapting Diffunding Site Adapting Diffunding Diffunding <td></td> <td></td> <td>200</td> <td>n o</td> <td></td> <td>70</td> <td>75</td> <td>Driller Country:</td> <td></td> <td>o s</td> <td></td>			200	n o		70	75	Driller Country:		o s	
putal of bleefold Differior (minth) Site Long Septembra FERROR (minth) Site of the putal state								Driller Oth Cntry:		ì	9
Maje Californ Distance Dist							/6401	Driller Zip:			porove Plans:
March Direction Directio			0094	32/202301318	UIDOB.		70404	Driller State:			e on pescr:
### Profession Desirator D			728766	32 20227610	ngittae:		Slephenville	Driller City:		omestic	
Pacific Plant Distance Dist				390	pth Drilled:	D_{ϵ}		Driller Addr2:		016-07-06	
The state of the state The				320	tic Level:	St	P.O. Box 402	Driller Address1:		016-07-05	
Participan Direction Distance Distan				DOMESTIC	iter Usage:	W.	Mark A Dowell	Driller Name:		8	
Direction Dire				ERATH	unty:	ζt.		Owner Country:			Desc:
Distriction Districtic Di				KEN ROUSE	vners Name:	\$	76401	Owner Zip:		ositive Displacement	
Mail Supply Distance Sile				07/08/1993	te Drilled:	D _a	X	Owner State:		-	Descr:
April Disease Diseas				31-47-8	id No:	ē.	Stephenville	Owner City:		(eplacement	
Public Supply Driestone		>					1,000	Owner Ardr2		016-07-06	
Description Distance Distan	WELL LOGS	₹	4,/23.5/				2703 CR 455	Owner Name:			ells Drill:
Public Supply Drifler City; FRISCO FRISC	TCEO		0.89/	WW		59	ī i	Owner Well No:			III KDI ITK NO:
### Distance Distan							76401	Well Zip:		.25567	t Track No:
Direction Distance Site Differ City: FRISCO TX TX FRISCO TX TX TX TX TX TX TX T						ľ	Stephenville	Well City:			it Track No:
Direction Distance Site Differ City: FRISCO Differ City: Differ City: Differ City: Differ Site: TX Differ Site: Diffe				1				Well Addr2:			
Diffection Distance Site Differ City FRISCO FRISCO FRISCO TX Differ City TX Differ Cit				32 250386	titude:		2703 CR 455	Well Address1:		891	No:
Difection Distance Site Differ City FRISCO Differ State: FRISCO Ending State:				400	pth Drilled:	0.		Stephenville TX 76401			
Diffection Distance Site DB				300	atic Level:			2703 CR 455	4,421.41		
Direction Distance Site DB				IRRIGATION	ater Usage:				0.84/	ıπ	1 of 1
Direction Distance Site DB		Ä	COLLORAL EXP S	ERATH	univ:	000					
Direction Distance Site DB		70	YIII TIIRAI EXP S	TEXAS AGRIC	vners Name:	Ď		Location (Map)	ase; SDRDB Well	Full SDR Datab	urce:
Direction Distance Site DS Map Key Number of Records Map Key Number of Distance Site Records Map Key Number of Distance Site Records				31-47-8N	id No:	9			10 Ref # 8424		nts:
Differ of Direction Distance Distance Distance Differ City: FRISCO Public Supply Driffer City: TX Driffer City: Driffer City: Driffer City: TX Driffer City: Drif		3									cation Description:
Distance Direction Distance	WELL LOGS	₹	4,020,00								Name:
Direction Distance Site DB	TCEQ		0.887	SSW		92	ú	Long Second:		147.8	FOC ELLOY.
bber of sords Distance (milft) Site DB Map Key Number of Records Direction Distance Records Site Public Supply Driller City: Driller							12	Long Minute:		-an	1
Direction Distance Site DB						Ť	98	Long Degree:		' ō	s Water:
Direction Distance Site DB							-9B.200834	Longitude:		'es	is:
Public Supply Driller City: FRISCO			1622256	32 273326313	titude:	لن	16	Lat Second:		81.00	
sr of brection Distance (mith) Site DB Map Key (mith) Number of Records Direction (mith) Site Public Supply Driller City: Driller State: TX TX FRISCO FRISCO (mith) FRISCO FRISCO (mith) FRISCO FRISCO (mith) FRISCO			895996	-98.17112623.	vngitude:	L	15	Lat Minute:			ype Oth Desc:
Public Supply Driller City: FRISCO FRISC				280	pth Drilled:	D _c	32	Lat Degree:		Submersible	ype:
Public Supply Driller City: FRISCO				į	atic Level:	SI	32,254445	Latitude:			by Driller:
Public Supply Driller City: FRISCO				DOMESTIC	ater Usage:	W		Elevation			p Oth Desc:
ords Direction Distance (milft) Site DB Map Key Number of Records Number of Public Supply Direction (milft) Distance (milft) Site Public Supply Driller City: Driller State: TX Driller City: Ordinary: Driller Controller: TX Dist to Sep Controller: TX Dist to Sep Controller: Dist to Sep Controller: TX Dist to Sep Controller: Dist to Sep				FRATH	andy:	Σ (Horizon Datum Type:		surface Slab Installed	Compl:
Fundic Supply Driller City: Public Suppler Size: TX FRISCO TX FRISCO TX Map Key Records Number of Records Direction (mith) Distance (mith) Site No. Defiler City: Tom Gasmann Dist to Septic TX: No. Defiler Conday: Use to Septic TX: Defiler Conday: Use to Septic TX: Dist to S				BILL TIDWELL	ate Dulled:	Ģ Ģ		Dist Verifi Method:		OW GASWANN - SOUD	tice Signar
r of Direction Distance (milft) Site DB Map Key (milft) Number of (milft) Direction (milft) Site Public Supply Driller City: TX FRISCO TX FRISCO (milft)				31-47-8	nd No:			Dist to Septic 1k:		Iom Gasmann	by Name:
r of Direction Distance (mift) Site DB Map Key (multiple of precion (mift)) Direction (mift) Distance (mift) Site Public Supply Driller City: Driller State: TX (mift) FRISCO (mift) TX 67 fof 1 ENE (0.857) (0.851) 4,502.04 TX No Driller City: Driller Country: Driller Country: Driller Country: TS034 67 fof 1 ENE (0.857) (0.851) 4,502.04 TX								Dist to Sep Contam:		් රි)	by Driller:
Fundic Supply Differ City: Driffer 2D: TAS Site (mifft) DB Map Key Records Number of Records Direction (mifft) Site Public Supply Driffer City: Driffer 2D: TAS FRISCO Driffer 2D: TAS 67 1 of 1 ENE 0.85 / 4.502.04	WELL LOGS	אָ						Driller Country:		40	by Driller:
r of Direction Distance (milt) Site DB Map Key Number of Direction (milt) Direction (milt) Site Public Supply Driller City: FRISCO (miltr) FRISCO (miltr) </td <td>TCEQ</td> <td></td> <td>4.502.04</td> <td></td> <td></td> <td></td> <td></td> <td>Driller Oth Cntry:</td> <td></td> <td></td> <td></td>	TCEQ		4.502.04					Driller Oth Cntry:			
per of Direction Distance Site DB Map Key Number of Direction Distance Site rds (mift) Public Supply Driller City: FRISCO TX			0.85/	ENE.		6)	75034	Driller Zip:		/es	71
of Direction Distance Site (mility) Records (mility) Charles Const. Charl						Ĩ	TX ISCO	Driller State:		-unic Supply	se Oth Descr:
of Direction Distance Site Map Key Number of Direction Distance Site (mi/ft) Records (mi/ft)								7		orblio Grook	To a second
Direction Distance Site	08	Site	(mi/ft)	Direction					(mi/ft)		Records
	8	2	2	Disastina				Dito.	Distance		Number

Number of Direction Distance Site Records (mi/h)		!	3,132,01			
Mumber of Direction Distance (mi/ft) Records (mi/ft) 31-47-8 04/24/1996 RACHEAL FRAIZER ERATH DOMESTIC 200 205 -98 200976 32.258313	DUM	WHITE HORSE CHRISTIAN ACADEMY	0.97/	SSE	1 of 1	72
Records Direction Distance (mi/ft) Records (mi/ft) 31-47-8 04/24/1996 RACHEAL FRAIZER ERATH DOMESTIC 200 295 -98 200976 32.258313						
Records Direction Distance (milft) 31-47-8 04/24/1986 RACHEAL FRAIZER ERATH DOMESTIC 200 295-200976				32,258313		Latitude:
Number of Direction Distance Records (milft) 31-47-8 04/24/1996 RACHEAL FRAIZER ERATH DOMESTIC 200 235				-98 200976		Longitude:
Mumber of Direction Distance (milft) Records (milft) 31-47-8 04/24/1986 PACIFICAL FRAIZER ERATH DOMESTIC 200				295		Depth Drilled
Number of Direction Distance Records (milft) 31-47-8 04/24/1996 PAUHAL FRAIZER ERATH ERATH COMESTIC				200		Static Level:
Number of Direction Distance Records (mi/ft) 3147.8 04/24/1996 PACHEAL FRAIZER ERATH				DOMESTIC		Water Usage
Records Direction Distance (mift) Records (mift) 31-47-8 ed: 04/24/1996 PACHEAL FRAIZER				ERATH		County:
Records Direction Distance (mirry) 31-47-8 ad: 04/24/1996			JZER	RACHEAL FRA	e:	Owners Name:
/ Number of Direction Distance Records (mi/ft) 31-47-8				04/24/1996		Date Drilled:
Number of Direction Distance Records (mi/ft)				31-47-8		Grid No:
Number of Direction Distance			(mi/ft)		Records	
		Site	Distance	Direction	Number of	Map Key

		í.	x	
PWS ID:	0720063		Segment:	
WTRSRC:	G0720063A		System Sta:	ACTIVE
ID No:	G0720063A		Contact Phone:	254-459-1230
St Well No:			Primary Co:	OWNER
Operating Status:	OPERATIONAL		Contact Ti:	VANESSA B HALFORD
Well Depth:	425		Utility Name:	WHITE HORSE CHRISTIAN ACADEMY
Water Usag:	ACTIVE - PERMANENT		Utility Na:	
Static Lev:			Aquifer:	218TWMT
Date Drilled:	08/21/2001		Waterbody:	
Compliant:			Latitude:	32 24802
Screen Bottom:	0		Longitude:	-98 182586
Screen Top:	0		Hdatum:	83
Galfons Per Minute:	33		Horz Meth:	DOQ
Depth Agen:	DRILL		Horz Acc:	30
EPID:			Horz Ref:	STRUC_CEN
Type:			Horz Date:	30-Nov-2017
CAD No:			Harz Org:	TCEQ
Constr:			Horz Datum:	NAD83
Confine:			Quadnum:	3298-113
CCN:			Ownr Des:	
Affinisi:				

73 1 of 1	MN	0.99 / 5,247.97	ヌ	TCEQ WELL LOGS
Grid No:	N/A			
Date Drilled:	06/08/1992			
Owners Name:	BILLY WEIR			
County:	ERATH			
Water Usage:	DOMESTIC			
Static Level:	270			
Depth Drilled:	360			
Longitude:	-98,203185			
Latitude:	37 280208			

Appendix: Database Descriptions

0216

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update.

Federal

∄	Wells
The U	SIle
S	s from NWIS
Gec	3
eolog	3
8	lis
Sir	
γey	
Š	
Valion	
nal	
Va	
e	
nfor	
ma	
io i	
ŝ	
stem	
\simeq	
× ×	
(S	
ž	
na	
fig	
s o	
rinci	
al repo	
osi	
ş	
of v	
vale	
ē	
nos	
200	
da	
ы	
y of water resources data. The NWIS	
Ş	Д
SIMN	EE C
	Ç

includes comprehensive information of well-construction defails, time-series data for gage height, renemble, agroundwater level, and precipitation and water use data. This NWIW dataset contains select. Site Types from the overall NWIS sites data, limited to the following Group Site Types only. Group Site Types well, Hyporheic-zone well, Interconnected Wells, Multiple wells, Spring Group Site Types. Spring, and Other Group Site Types. Aggregate groundwater use, Cistern.

No Federal databases were selected to be included in the search.

TCEQ.WELL.LOGS Locations of TCEQ. Water wells as derived from well logs in the Texas Commission on Environmental Quality (TCEQ) Water Well Report Viewer, which includes unnumbered water wells and those plotted to 2.5 minute grid locations (2.3 miles). In this collection of Well Log Reports, locations have been manually verified. manually verified

Government Publication Date: Jul 26, 2022

Select Wells from SDR

Locations of wells from the Submitted Drillers Report (SDR) Database with select proposed usage: Domestic, Fracking Supply, Industrial, Irrigation, Ofher, Public Supply, Rig Supply, Stock, Unknown SDR is populated from the orline Texas Well Report Submission and Retrieval System (TWRSRS), a cooperative Texas Department of Licensing and Regulation (TDLR) and Texas Water Development Board (TWDB) application requiring registered water-well drillers to submit reports. Excludes SDR records with the following proposed usage: Closed-Loop Geothermal, De-watering, Environmental Soil Boring, Extraction, Injection, Monitor, Test Well. SDRW WELLS

Government Publication Date: Sep 6, 2022

Groundwater Database:

The Texas Water Development Board (TWDB) Groundwater Database (GWDB) contains information on selected water wells, springs, oil/gas tests (that were originally intended to be or were converted to water wells, water levels and water quality. **GWDB**

Government Publication Date: Apr 20, 2022

High Plains Water Wells.

Government Publication Date: Apr 20, 2022	subdivision of Texas, HPUWCD is charged with protecting, preserving and conserving aquifers within the District's 16-county service area	Inventory of water wells in the High Plains Underground Water Conservation District No. 1 (HPUWCD), which was created in 1951. As a political	High Plains Water Wells:
---	--	---	--------------------------

WW HARRIS GAL List of water wells in the Harris-Galveston Subsidence District (HGSD). The HGSD was created by the 64th Texas Legislature as an underground water conservation district in 1975 to provide regulation of groundwater withdrawal to control subsidence. Government Publication Date: May 18, 2022

Water Utility Database:

The Walter Utility Dalabase is defined as a collection of data from Texas Water Districts, Public Drinking Water Systems and Water and Sewer Utilities who submit information to the TCSQ. This database is an integrated database designed and developed to replace over 160 stand alone legacy systems representing over 5 million records of the former Texas Water Commission and the Texas Department of Health.

Order No: 22100504558

Order No: 22100504558

erisinfo.com | Environmental Risk Information Services

erisinfo.com | Environmental Risk Information Services

Definitions

<u>Database Descriptions</u>: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order,

Defail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

<u>Distance:</u> The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii

'Site Report Summary-Project Property'- This section lists all the records which fall on the project property For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties*. This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the "Detail Report section.

<u>Map Key:</u> The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation'

Draw Lower to 364 ft / hr, ex 390 9pm
390 " 2/hr, ex 390 9pm
4/2 " 2/2 hr ar 390 "

Primp Adul off /2 hr

Whave Reached Scoff primp Alanded
as 300 gpm
360 ft. 2 hr at 300 4pm
360 ft. 2 hr at "
361 ft. 2 hr at "
361 ft. 2 hr at "
363 ft. 1 hr at 300 4pm
363 ft. 1 hr at "
363 ft. 1 hr at "
364 ft. 1 hr at "
358 ft. after 5 min

Readings of En pump Adul off

Readings

241-243 330-33 272-273 250-272 ₹ 243-250 381-389 380-38 378-380 360-378 331-360 290-330 273-290 220-24 SMITH & WOLF DRILLING COMPANY LOCATION _ PERFORATIONS 941 CASING SET 14121 6" Sand stone, clay & little sand Clay & shale White sand Sand & gravel little clay Clay & rock Irrigation Well Drilling — Turnkey Jobs Stephenville, Texas 75401

0218

) -

31-47-801

County: County: Desirotion well Desirotion Desirotion well Desirotion Desirot	-	*			Values 9 2222	PERFORATIONS	CASING SET	DRILLED	-220 Rock	-200 Clay & small layers rock	 -	-69 Rock	Ho Blue Clay	 	 	. <u>~_</u>	Tellow Clay	1	C NO	FARM Gross Timbers Experimental Station	Stephenville, Texas	n Well Drillin Phane 96	SMITH & WOLF DRILLING COMPANY	Bill Wolf Bannie Smith	STATEMENT	31-47-801
Observation well Pumped well no. Average 0 apm r	WD85-GW-A		(*		25							•	20					11.00			5-68		- 11 - 22 - 11	Location: _		0
Observation well Pumped well no. ft. 2e ft. 2e Maint (ad- justed) As justed) 4 4 4 4 4 4 4 4 4 4 4 4 4																						(min) (min) 1/1				
				3	7					7					-					Г		(unad- ment justed) As	ft.	Pumped well no.	Observation well no.	

200-220

78-200 69-70 70-78 24-46

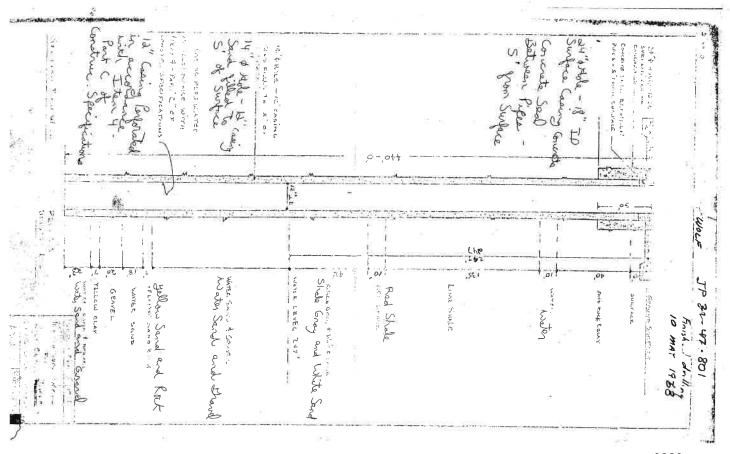
15-19 10-14

3-5 5-10

19-24

68-69 189-94

																								5-68	Date .		County :_ Location:_	+
L											L														Hour		W.	
										780	720	660	600	240	480	420	360	200	240	180	150	120	60	Ö	(min)	Average Q_	Miles	1
5 t	40	38	30	22	20	15	0	S																	(m)	ш	mules N of Stephenville	
																									:.	300	Ste	
331	333	336	34	344	348	351	458	358		363	364	362	358	360	363	361	364	360	362	360	412	390	364	27/	bepth to	gpm	heavi	-
n	W	n	U4	٠	W	w	Ĺ	o																	(unad- justed)	7	le.	
189																									Adjust- ment As		Observo	
																									(ad- justed)	12	Observation well no. 31-47-80/	
L										300					300				300				i i	390	(mdb)		5 3/	٦
									JU S									1		Pump off				20	20		₩ 47-80	•
								-	Pump off											off	i i ji			Pump ON	Remarks	III		



Send original copy by certified sail to the Team Water Development Board b. O. Box 12386 Austin, Texas 78711 Please attach electric log, chemical analysis, and other pertinent information, if available 140-180 225 - 230 *Additional instructions on reverse side. ADDRESS BY 10 Marie 20-60 New Well (Check): Person having well drilled Colliers (Use Teverse side if necessary) 93-225 80-193 COUNTY MRAPID WATER LEVEL: 193 ft. below land surface Date 6-20-71 10-20 0-10 WELL LOG: Diameter of hole helpe land sufface. Artesian pressure Straight wall Reconditioning Landounce JOHN Depth to pump bowls, cylinder, jet, etc., Locate by sketch map showing landmarks, roads, creeks, htway number, etc.** hoSlephenolled String it t hereby exertly that this well was defiled by set for under my supervision) and that each and all set the supposed berein are true to the best of by knowledge and belief.

-er Oboled Obcys | universe well brillers Registeration to. 1268 Plugging 11. Depth drilled 230 ft. Depth of completed well 230 ft. Date drilled b-Gravel packed lbs. per square inch Ø Open Hole Chech Red Shale Red Clay Water SAND blue 9 CAY Shale White Cla instion material All measurements made cros CollieR CIAY 0 PROPOSED USP Date CIAY Irrigation Other Stephenoille Ġ RANCH MATTER BY 2 Danie I long ROCK WATER WELL REPORT (Check): Industrial State of Texas Test Well m miles in 12) WATER QUALITY:
Was a chemical analysis made? Es,above ground level. Dowell SCREEN (Luches) Type: 01d Type of water PAIUXY depth of strata Baller test Yield:_ Purforated -Comented from Bid any strate contain understable water? Temperature of water Artesian flow Was a pump test made? REST TESTS NE direction from Stephenuille Block Give legal location with distances and directions from adjacent sections or survey lines. Abatract Mg. (NWY NEY SWY SEY) of Section Other Municipal (GERENT OF RED) From (ft.) From Cft. gpm with gpm with 0 (1) Well Service S) TYPE OF WELL Cable Ymm (1) Stephenville TEXA 230 ft. to Ta (fs.) ž ft.drawdown sfter ft, drawdown after To (ft.) Slutted Plastic (4510) Hell Mo. 31-477- F.C.
Located on stp. 14-5
Received: 1/7 1/4-5 If yes, by whom? ř 60 Sng No hrs. (Scace) hrs.

TWDBE-GM-53

I BERSEN CRETIFY THAT THIS NELL WAS DRILLED BY ME (OR OWNER MY SOPERVISION) AND THAT BACK AND ALL OF THE STATEMENTS BERSEN ARE THEN TO THE BEST OF MY LINULIDES AND BELLEY. I UNDERSTAND THAT FALLORS TO COMPLETE ITEMS 1 THE IS NILL RESULT IN THE LOG(S) BEING SETTEMED TOO COMPLETE AND AND DESIGNATIVAL.

(signed)

(REGISTERED DELLISE TRAINER)

EN P

88

(signed)

COMPANY MANS: ASSOCIATED SERVICES ADDRESS: P.O. BOX 16

HAIRR WELL DRILLER'S LICENSS MO.: 2404 CITT: STRPHHEVILLE STATE: TX ZIP CODE: 75401

WELL NO.
LOCATED ON MAP

CHEMICAL ANALYSIS MADE	178	depto of Strata:		TER QUALITY: DEF	NATER QUALITY: TYPE OF MATER:	15) NA.
et diagnots after .03 eas	GPM NITH 13 PT DI	SELL TEST:	Ħ	400	TYPE PUMP: SUBMERSIBLE DEPTH TO BOMP: 4	131 TEL 137 (EL
CRESTING DATA:	EI EI S)		LAY ESTORE	SCRIPTION: BECRIPTION: BECRIPTION: BECRIPTION: BETTE SAND SANDY CLAY FELLOW SAND SANDY CLAY SAND-GRAYEL COAL SANDY CLAY SAND-GRAYEL COAL SANDY CLAY SAND-GRAYEL SAND CLAY SAND-GRAYEL SAND-GRA	SECONGICAL BESCRIPTION: SECONDICAL BESCRIPTION: FROM TO DESCRIPTION: 6 REITS AND 6 REITS AND 6 REITS AND 6 REITS AND 7 SAMP CAN CAN CAN 7 SAMP CAN CAN 7 SAMP CAN 7 S	GROLOGIA GROLOGIA GROLOGIA G 64 64 235 258 258 258 345 345 345
	GAGE CASING SCREEN 188 205 205	469 469 469	PRON 0 0 1 389	CASING, BLANK PIPS, AND WELL SCREEN DATA; DIA MIN/SSS DESCRIPTION 8.53 M STEEL, BLANK 4 M STEEL, BLANK 4 N STEEL SCREEN	NEW OSSO DE ST	E. S.
8) BORBBOLE CONFLETION: GRAVEL PACKED IF GRAVEL FROM 250 FT. TO 449 FT. TO 5T.	7) DRILLING METROD: NUO ROTARY	5 77 BR		DIAMETER OF HOLE DIAMETER PROM 12 SUE 1 8 4D	E) WELL LOG: 00688 DATE DRILLING: STARTED: 02/19/01 COMPLETED: 02/21/01	COMPLETED DATE DRILLING STARTED COMPLETED OF THE COMPLETED OF
31. 10 103: PUBLIC SUPPLY STORY Well were plans submitted to the THACC les	robile Suppli	B 76401.	## E	E	ADDRESS OF WELL: COUNTY: SEATH CHY. STAICE. ZID CODE. STREHMMY TIER OF HOME: NIM WELL TIER OF HOME: NIM WELL	2) ADDRES County Street City 3) Tree
ITY: CABOOL STATE: NO ILP: 65689-	18068E 178R	NATES NOS	HAT DOESN'S PO BOX BES	23	Frivilege Notice on Reverse Side	BESERO

I HEREBY CERTIFY THAT THIS WELL WAS DRILLED BY ME (OR UNDER MY SUPERVISION) AND THAT EACH AND ALL OF THE STATEMENTS HERZIM ARE TRUE TO THE MEST OF THE STATEMENTS ABELLED. I UNDERSTAND THAT FAILURE TO COMPLETE TEEMS I THRU IS WILL RESULT IN THE LOG(S) BEING RETURNED. COMPANY MAME: ASSOCIATED SERVICES ADDRESS: P.O. BOX 16 IS) WATER QUALITY: TYPE OF WATER: 13) TYPE PUMP: FROM TO DESCRIPTION: 20 40 280 320 340 SUBMERSIBLE 380 4 TO DESCRIPTION
0 I TOP SOIL
1 TOP SOIL
1 20 CALICHE
0 40 GREY CLAY AND SHALE
2 320 GREY CLAY AND SHALE
4 410 GREY CLAY AND SHALE
4 10 SAND AND GREY CLAY
4 10 RED CLAY HO STRATA OF UNDESTRABLE WATER PENETRATED HATER WELL DRILLER'S LICENSE NO.: 2404 CITY: STEPHENVILLE STATE: TX ZIP CODE: 76401 14) WELL TEST: TEXAS NATURAL RESOURCE WITER LEVEL; CONSERVATION COMMISSION STATES LEVEL; 6MDd TIELD: 12 EGEIVE APR 2 7 1994 SPN HITH UNK FT DRAWDOWN AFTER 24 HRS SPEC. STEEL SLEEVE 12) PACKERS: (9) CEMENTING DATA: Cemented from Method used: CEMENT-POURED Comented by: BILL 4 MARTIN 0 FF, 10 20 FF, 330 FF, 10 360 FF STATEC LEVEL : 340 ARTESIAN FLOW: FOR THE USE ONLY
LOCATED ON MAP 31, 47, 8 SACK SACK NO CHEMICAL ANALYSIS MADE SP# ... ď, DATE: 09/30/93 DATE: of Sacks Used DEPTH 20

(signed)

(signed)

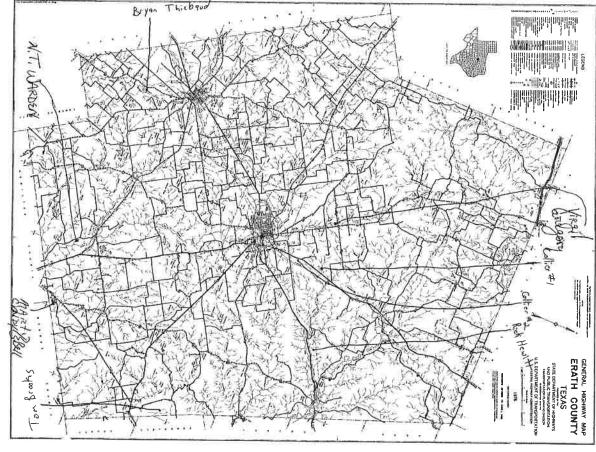
(REGISTERED DRILLER TRAINEE)

DATE ORILLING: STARTED: 09/27/93 COMPLETED: 09/30/93 8) CASING, BLOAK PIPE, AND MELL SCREEN DATA:
DIA NEW/USED DESCRIPTION F
4 N PMC, BLOAK 0
4 N PMC/ SLOTTED 3 3) TYPE OF WORK: NEW WELL ATTENTION OWNER: Confidentiality

Privilege Notice on Reverse Side

NHTER WELL REPORT

NHTER: COLLIER & SOM (MATTACKE) ADDRESS: RI. Z 80X 206C 6) WELL LOG: 00070 2) LOCATION OF WELL: DIAMETER OF HOLE DIAMETER 6.75 4) PROPOSED USE: DOMESTIC 380 FROM FAOM 017 085 01 10 SAGE SCH 40 SCH 40 BOREHOLE METHOD: GRAVEL PACKED JF GRAVEL... 5) DRILLING METHOD: NUD ROTARY FRON 360 From 0 FT TO 410 STATE: TX ZIP: 76401-31.62.8 77



10) WELL TESTS: harby certly that its well was dilled by ma (or under my aspervalor) and that each and all of the statements herein are the boat of my knowledge and belef. Lunderstand had below the complete terms of the 15 will result in the bog in being resumed for completion and resolution. 13) TYPE PUBB:

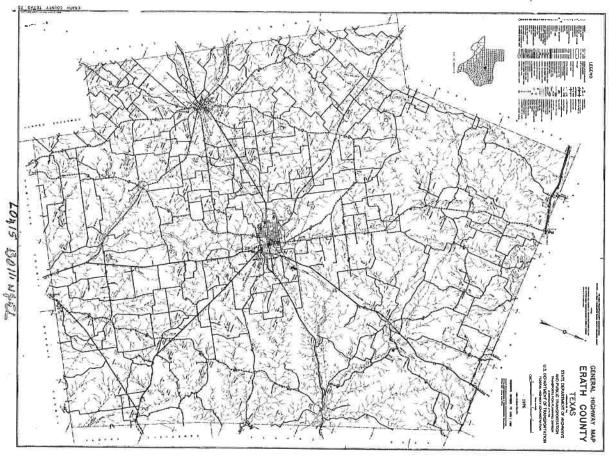
| Turbine | Other | Santad 4/14 Completed 4/14 15) WATER QUALITY: end original copy by certified mail by: Texas Water Cor-OVER UNIVERSED BY ATTENTION OWNER: Confidentially Physical Mobile on Revenue Side ☐ LEGAL DESCRIPTION: Did you knowingly pervictor any stress which constituted undestinate constituents?

O year \$396 If year, submit TREPORT OF UNDESIDABLE WATER? Type Test: Pump

Yest: 10 gpm with METT FOOT TYPE OF WORK (Check): COUNTY ETATE Depth to pump bowts, cylinder, jet, etc., From (fL) or music complete the legal description below with detance and direction from two interestent or Helf-Scale Texas County General Highway Map and staich the map to this form Distance and direction from two intersecting section or survey lines lectric log, chemical enalysis, and other perthent information, if available Double Diamond Drilling LOUIS BOLLINGEL To (fL) 18 ES Savet or RED) Clay Tan Sand £3Domeetc □ Industrial □ Infgation □ Test West PROPOSED USE (Chack): 5 □ Jenned □ cylinder Van., P.O. Box 15067, Austin, Texas 78711 Extended 1 hrs. TEXAS WATER HOMMISSH S 20 3 TEXAS WATER COMMISSION COPY MAY 2 5 1993 N State of Texas
WELL REPORT D Injection ADORESS 24 WELL DRULLER'S LICENSE NO. TO SUPPLICE COMPLETION

Specified Surface State Installed [Fluie 287.44(2)(A)]

Stylectified State Sterne Installed [Fluie 287.44(3)(A)] P. O. Box 149, Morgan Mill, TX 76465 (Street or RFD) (City) (State) 12) PACKERS: 11) WATER LEVEL: De-Watering Copen Hote ☐ Approved Aframative Procedure Used [Rule 267.71] ☐ Pitiess Adapter Used [Rule 267.44(3)(8)] Company Company Command from ________ft. to ______ft. No. of Section Used _______ft. to _______ft. No. of Section Used CEMENTING DATA [Ruin 287.44(1)] Meeted used _Conventional If Gravel Packed give Interval . . . from For TWC use only: Well No. IO, BLANK PIPE, AND WELL SCREEN DATA: Straight Wall R. below land surface 8 20 1 5 75 From Setting (ft.) Underreamed Water Well Delliers Board P.O. Box 12087 Auello, Texas 75711 O D 5 4/14/93 Gage Casting Screen



COMPANY NAME Associated Services Hereby contily that the well was diffed by me (or under my supervision) and that each and all of the statements herebi are to a to the best of my knowledge and balar. Lunderstand that little to complete internal that it will result in the log(s) being returned for completen and resultential. WWD-012 (Flev. 05-16-90) ADDRESS P. O attach electric log, chemical s and other perthent information, if evaluate TEXAS WATER COMMISSION COPY Stephenville (Cay) WELL DRILLER'S LICENSE NO. For TWC use only: Well No. ___ (Registered Driller Trainse) 2404 (State) Localed on map 31.47.9

Order must complete the legal description below with distance and disjection from two intersecting section or survey lines, or he must begine and identify the well on an official Country - or Half-Scale Tozal Country General Highway Map and stouch the must be that form. LecalL pos	(NE, SW, etc.) (Town)	a mass n N and son Stephenville	(Street or RFD) (CDV)	n owner Roy Ed Griffin Ancessa P.O. Box 1136 Stephenville TX	ATTENTIO'S DWNEET: Combinationary Statle of Texas P.O. Box 1997 Analysis Mades on Reviewe Side WELL REPORT Auesto, Texas 78711	Sord original copyrity certified mail to: Tecas Water Commission, P.O. Box 13087, Austr., Taxas 78711 Peass us
n an official			Salut Car	764U1	ii Drittera Board c 13097 cas 76711	Přeste use black int.

The Water Well Drillers Board and the Texas Water Commission are concerned that some persons having walls drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

"Every licensed water well critier drilling, deepening

5) DRELLING METHOD (Check): Driven
SI Mad Rosay | Air Hennier | Jetted | Bored
O Air Rosay | Cable Tool | Other

 Date Draing:
 12-2
 19 € 1
 0 list (in.)
 From (is.)
 To (is.)

 Completed
 12-4
 19 € 1
 5 3 / 4
 Surface
 3 6 0

0-860

Sandy clay, sand

Sandy clay, sand streaks

4 N PVC Blank Olla or Perf., Stocad, etc. (h.) Used Screen Mig., if commercial

320 Fign

320 sch40

From (ft.) To (ft.)

Description and color of formation material

8) CASBIO, BLANK PIPE, AND WELL SCREEN DATA:

Setting (ft.)

#Gravel Packed give internal ... from 280 ft. to 360 ft.

3) TYPE OF WORK (Check):

4) PROPOSED USE (Check):

£) Domestic □Industrial □Monitor □ Inigation □Test West □ Injection

7) BOREHOLE COMPLETION: De-Watering

☐ Open Hole ☐ Straight Well

☑ Gravel Packed ☐ Other ______

Underreamed

SEE ATTACHED HAD

⊠ New Weil □ Despening □ Reconditioning □ Plugging

copy of a well log, other than a Commission copy, shall include the name, mailing address, and telephone number of the Board and the Commission. The well log required herein shall at the request in writing to the Commission, by otherwise altering a water well within this State shalf make and keep, or cause to be made and keep, a legible and accurate welling, and within 60 days from the completion or cassation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail drillied be held as confidential matter and not made of public record.* certified mail, by the owner or the person having such well a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. Each

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential.

	*			350-360	340-350	320-340	310-320	290-310	From (fL)
				Rook, of	Sand, gr	Sand with Clay	Saud	Radcicy,	To (ft.)
1				ghale, olay	gravel,	on clay layers		gray clay	Description and polor of formation muterial
						ore		37	Impletmen uogram

13) TYPE PUMP:

Charles Jes Distance Depths WATER WELL supplies counteron

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Specified Steel Service State Institute (Pule 287-44(3)(A))

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRILLERS BUARD

Open pump bowle, glinder, jet, etc., 320 DRIL

Jamentation U to 20 to No. of Sada Used 2
Jacob used Foursed Commend by Pat McCoy, Martin Ramos, S
Billy McMinn

15) WATER QUALITY:

Did you knowledy paredrate any strats which contained undestrable constituents?

The £300 three submit TEPART OF UNDESRABLE WATER.

12) PACKERS:

Sack

Type 9

Depon 50.

O Date

12-4-91

11) WATER LEVEL:
Static level __280___ ft_below land surface

☐ Priess Adapter Used [Rule 257,44(3)(B)]
☐ Approved Attermitive Proceedure Used [Rule 287.71]

Was a chemical analysis made? Yes 10 No

14) WELL TESTS:

TypeTeat ICI Pump Yeakt: 10 ppm with

□ Baller □ Jetsed □ Entimated □ Link R. drawdown after 24 hrs.

BOWELLY BOWN TO THE THE STREET NOT	76,40	while Texas Myol	Stephenui	ADDRESS P.O. Box
To Description and persight all execution from The persight and discretion from The persight and Description and discretion from The persistence of Description and Description	name true to the ompletion and re	and that each and all of the statements herein 2 will result in the logist being returned for con Driller's License No. 1891	sil was de'illed by me for under my supervision) fentend that failure to complete leans 1 shru 1 Well Sekuice Lac Water Well e Printi	I have by certify that this we knowledge and bellef. I und
DEMONITOR OF LANGE PROPOSED USE (CANAL): Companing Phugaing and delarity from Section No. S		WELL TESTS: Type Test: Pump Delier Yield: gom with		15) WATER QUALITY: Did you knowingly penetrate any water? — Yes 20 No It yes, submit "REPORT OF UN Type of water? — was a chemical analysis made?
To Description and description		TYPE PUMP: Turbins		
The property of the property o	D D	300		
Township To Description and color of formation Township To Description and color of formation Township See J. J. S. J.	319.44(c)] [Rule 319.71]	10) SURFACE COMPLETION Specified Surface Stab Installed [Rule 3] Prifess Adapter Used [Rule 319.44[d]) Approved Alternative Procedure Used [I		
DEWELL: DIAMETER OF HOLE DI	6	Cemented from		340
To Description and color of formation To Description and				360
The purpose of terms of the section from	Seriin.	New Or Used	asoil liche ste	200
Township The part description: The part description: Township				8-1
Institute Inst	# C	BOREHOLE COMPLETION: BOREHOLE COMPLETION: Copen Hole Copen Hole	AMETER OF HOLE From (It.) To (It.) Surface O 360	9.
miles in	Driven	5) DRILLING METHOD (Check) Mud Rotary Air Hammer	4) PROPOSED USE (Check) 50 Domestic C Industrial C C Irrigation C Test Wall C	3) TYPE OF WORK (Check): (C) New Well Opepening Plugging
miles in N.E. S.W., etc.) direction fro	winthip	्रवांका	9 0	Ortiler must complete the logal educa- with distance and disection from two with distance and disection from two with on a sufficient control to disease of the logarity of the logarity General Highway Map and actach in
(Mamo) Address Rt	ppen: Me	Street or RFD) A direction fro	1 4	ent.

R. T. WARDEN	TRANS			The state of the s	mray	me vil		777				AT LUG	GENERAL HIGHWAY MAP ERATH COUNTY TEXAS	#
May Doubell	COMPANY NAME (Doubled) I understand that failure to compilers learns 1 thru 12 will result in the K COMPANY NAME (Doubled) Well Service Lice; Water Well Driller's License No. ADDRESS P.O. Boy 558 ADDRESS P.O. Boy 558	und you known profession any service which contained undestrable water? Type of yearle? Was a chemical analysis mede? Type of yearle? Was a chemical analysis mede? Type of yearle? Type of yearle?	15ANS WATER COMMISSIO	001 30 1985	O SO E O			1141	2000	District District	ORK (Check):	Deliter must complete the topal description to the right with distance and discribin from two protections for the must be considered to the considered to the considered to the considered to the form. Considered Highway Map and straich the map to this form.	Ed Caiffin	Please use black in a. State Send original copy by Send original copy by WATER W P. Dans Department of Wester Resources P. Dans Department of Wester Resources Austin, Texas 78711 ATTENTION OWNER: Confident Complete Confident Complete Com
(City) (State) (255)	to 12 will result in the logist being renumed for completion and resubmitted. (ed) Driller's License No. 1891	Type Test:	Tuchin Jet Schmerable Cylinder	P.	11) WATER LEVEL: Static live!	10) SURFACE COMPLETION 28 Specified Surface Stab trausited [Rule 319.44[c]] 19 Prices Adapter Used [Rule 319.44[d]] Approved Alternative Procedure Used [Rule 319.71]	Second from O At. 10 340 ft. Method used Poug 11.10 Seguice, Tax.		Da. Mew Szeet, Plastic, etc. (in.) Used Screen Mgt., if commands! From To Screen 4 N. DUC Deaf 0 360 54 40	7) BOREHOLE COMPLETION: Open Hote Straight Wall Underreamed Di Gravel Packed Onther Il Gravel Packed give interval from fr. to fr. to fr.	SUDDIV Grant Cable Tool Cated Collect Suddiv Car Former Cable Tool Cated Collect Substituting Act Former Cable Tool Cated Collect	Block	Address Rt (Street or AFD) The All (Street) (Street) (Street) (Zip) (Zip	e on Reverse Sid

1 6	3	REPORT Privilege Notice on Reversa Side	1 71
Z LOCATION OF WELL,	(Marina) Marina Mari	(Strenger RED) M.S. S.W., exc.) direction from	Stephenuille, Tex Stephenuille, Tex
Dellar must compliere the tagal description to the right with distracts and direction from two intersecting sections to strong intends and density the same intends and density the same in so offered industries or a fidebase in sea Countries of the density of the same intends in section in the same intends	1082	Stion from	Township
3) TYPE OF WORK (Check): 50 New Welt Despening Plugging	4) PROPOSED USE (Charict): 4) PROPOSED USE (Charict): 1) Domestic Industrial Public Supply 1) Irrigation Test Well Other (2by AC.)	by Arr Roary Cable Tool	eck): mer Driven Bored ol Jened Other
6) WELL LOG:	Dia. (in.) From (it.) To (it.) Surface Of 1/2 Dia. (in.) From (it.) To (it.)	OREHOLE COMPLETI Open Hole Gravel Packed If Gravel Packed give in	1 0
From To	Description and color of formation	8) CASING, BLANK PIPE, AND WELL SCREEN DATA:	SCREEN DATA:
ı	Caliche	Dia. New Steel, Plastic, etc.	Setting (tt.)
	Shale,	P	5 08h 0
280 - 320 320 - 320	Clay		
1.	Clay		
		Cemented from O ft. to	ell Seauce, Lat.
		10) SURFACE COMPLETION © Specified Surface Stab installed [Rule 319,44(c)] Prices Adaptor Used [Rule 319,44(d)] Approved Alternative Procedure Used [Rule 319,71]	ule 319.44(c) [di] sed (Rulo 319.71)
		11) WATER LEVEL	
	U B W I B B B G	Static levelft. below land Artesian flowgpm	land surface Date
	OCT 30 1985	12) PACKERS: Type	Depth
	IEXAS WATER COMMISSION	13] TYPE PUMP: Turbina Jee 25 Subs	M Submersible □ Cyrinder
15) WATER QUALITY: Did you knowingly pengrate any strata which contained water? The state of the	ny strata which contained undesirable NDESIRABLE WATER** Papth of strate Yes No	14 WELL YESTS: Type Tat:	r \$\mathbb{Z}\texts \texts \tex
I here by certify that this was transledge and belief. I un	der my s piece ita	all of the statements log(s) being returned	harsin are true to the best of my for completion and resubmittel.
ADDRESS P.O. BOI	Č.		15 76401
(Signed) (Cleanage Please attach electric log, chemical an	(Signed) (Signed) (Signed) (Signed)	(Registered Dellor Traines)	FOR TOWN INTERNAL TOWN
reson octavir and the rolf, Charler of	saryam, and other pertinent intollingtion, if ava	Y Y	Located on map

DEPARTMENT OF WATER RESOURCES COPY

State of Texas

WC-0392 (Rev. 06-10-85) COMPANY NAME CONTROL TOP OF PRINT SPRAILE, THE WATER Wall Driller's License No. Please attach electric log, chemical analysis, and other pertinent information, if available. Started 3-10 360 - Joo 340 - 340 360 - 340 260-260 ST New Well 60-240 WATER QUALITY: Completed 3-11 MELT LOG I here by cardify that this well east diled by me (or under my supervision) and that each and all of the statements herein are true to the best of my Knowledge and belief, I understand that fallow to complete items 1 thru 12 will result in the logist being returned for completion and resubmittal. □ Plugging □ Deepaning Spale White Soud Blue Clay 19 20 STAS WATER OCH STRONG MAY 2 9 1985 CDOmestic □ Industrial □ Monitor ☐ Irrigation ☐ Test Well ☐ Injection 61/4 0 ption and color of formation material DIAMETER OF HOLE 3 TEXAS WATER COMMISSION COPY Stephenin, III (Signed) Other 7) BOREHOLE COMPLETION:

Granght Wall

Commission Completion

Commission Commission Completion

Commission Commission Completion

Commission Commission Completion

Commission Commi Public Supply 3) CEMENTING DATA Rus succession of the commenced from 340 ft, to 360 ft. 14) WELL TESTS: 4 1 Steel Stathed Dia. 13) TYPE PUMP 11) WATER LEVEL: 10) SURFACE COMPLETION 8) CASING, BLANK PIPE, AND WELL SCREEN DATA: Other ☐ Turbine Specified Surface Stab Immalled [Rule 319.44(c)]
 Pitless Adapter Used [Rule 319.44(d)]
 Approved Alternative Procedure Used [Rule 319.71] Depth to pump bowls, cylinder, jet, etc. Method and POUR Type Test: If Gravel Packed give interval from Static level Steel, Plastic, etc. Perf., Sorred, etc. Screen Mgl., if con □ Pump 340 ٠ افر 1681 ☐Mud Rotary ☐ Air Hammer ☐ Jerted ☐ Bailer Well XI Submersible Type - Spin Cable Tool Well No. map -47-8 Service Inc Detroited 360 12.10 drawdown alter No, of Sacks Used S Setting (ft.) Date. Date ☐ Underreamed 7/2401 Li Cylinder Other □ Estimated 430 430 Į ĭř Bored 15/

2) LOCATION OF WELL:

Orlies must complete the Agai description to the rightwith distance and direction form two nutraceting secsion on turney lims, or he must leave and identify the well on an official Quarter on Heil-Scale Trace County Centeral Highway Map and strate the must be this form.

#144

Distance and direction from

Survey Name

Township

Legal description:

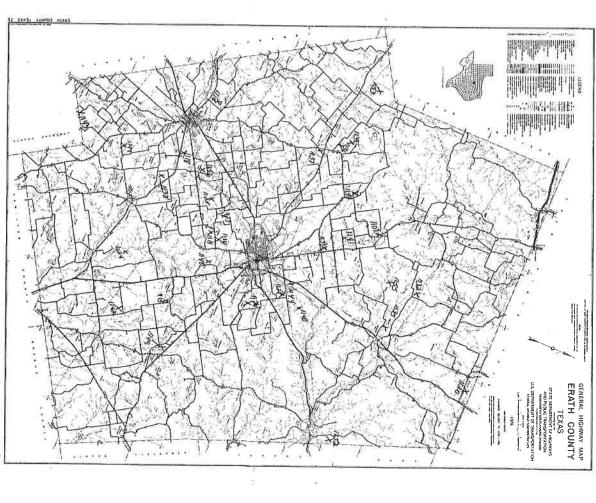
direction from Strangen us He

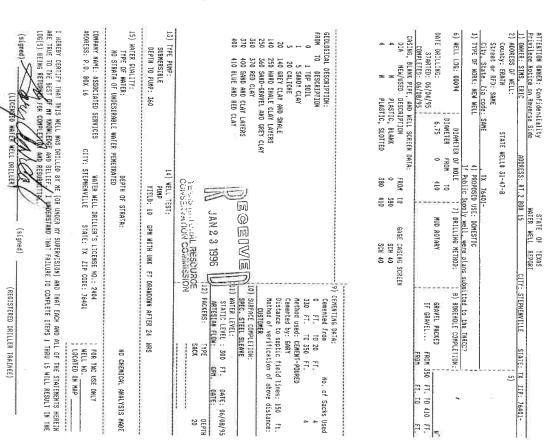
TYPE OF WORK (Check):

4) PROPOSED USE (Check):

5) DRILLING METHOD (Check):

Oriven

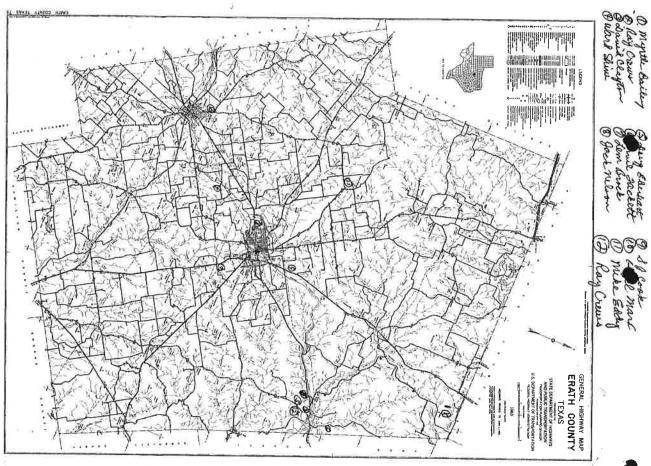




TDWR-0392 (12/29/83)

DEPARTMENT OF WATER RESOURCES COPY

Well No. 37-47 - 8/L	Vell No.			and other	Please attach electric log. chemical analy
west	TOE O	(Registered Driller Trainse)		Te letter (Signed)	(Signed) What R
10491		tremodle but	Leghen	The year of	ADDRESS USbent or NFD)
7000		es as	Water Well Briller's License No.	Drilling	NAME TURN
the best of my d resubmittal.	are true to t	and all of the statements herein a the log(s) being returned for com	n) and that each 12 will result in	I now by earlify that this well was drilled by me (or under my supervision) and that each and all of the estements berein are true to the best of my knowledge and pairs. I understand that fallure to complete items 1 thru 12 will result in the logich being returned for completion and resubmittal.	I here by carrify that this wall knowledge and bally I under
□ Etimated	☐ Jetted Grawdown	DPump Asales	Type Test:	mata which contained underirable ESIRABLE WATER" Oppin of the Anold Hole	Did you knowlingly prograte any strata which contained underliable water? I Yet I No If you strong I Program On UNDESSRABLE WATER!" Type of water? Lacket I Oppith of tripes Was a chemical analysis model. I Yes
Cylinder	855	☐ Turbine ☐ Jet ☐ Qubmersible ☐ Other	Other	DEPT. OF IUse reverse side if nWANER RESOURCES	1Use reverse sit
		1	13) TYPE PUMP	HASY 21 1984	
apth		flow	12) P	O E O E I V E	
781-5		ATER LEVEL: Static level: 330 In below land surface.	Static level		
	19.44(c)] Rule 319.71	Described Surface Steb Installed (Rule 319,44(c)) Pities Adaptor Used (Rule 319,44(d)) Approved Alternative Procedure Used (Rule 319,71)	☐ Specifie ☐ Pitless A		
	Camera	1 811	Method used.	Red Bed	368-369 Res
a a	0	W 31	SI CEMENTING DATA	Cher + Red Clay	250-340 Blue
	T		H	Linestone	145-250 Lux
345-24 5/54	36	States		of Blue Clary	35-145 Bundy
To Screen	S From	Screen Mgl., if commercial	(E) USE	lock & Calcelor	1-35 Rocks
ing (ft.)	Set Set	CASING, BLANK PIPE, AND WELL SCREEN DATA: New Steel, Pastic, etc. Sett.	8) CASING. 8	material	1
ft. 10 ft.		If Gravel Poeked give interval from	. If Gravel		1 07
□ Underreamed		BOREHOLE COMPLÉTION: Open Hole	7) BOREHOLE COM Open Hate DiGrawel Packed	Dia lin. From (It.) To (It.) 369 Surface & 144	8) WELL LOG:
□ Bored	☐ Driven	Amud Rotary Cable Tool	□ ½ ~ <u>%</u>	a) PROPOSED USE (Check): Domestic C Industrial C Public Supply Irrigation C Test Well C Other	3) TYPE OF WORK (Check): New West
	recy lines_	Section NoBlock NoTownship Abstract NoBurey Name Distance and direction from two intersecting section or survey fines ea attached map. # 9,	No		Order must complete the logal description to the logal with distance and direction from two near-unityses with distance and direction from two near-unityses long or survey (ref. or her must focus and deathly the well on an official furney or Half-Scale Taxas Country Conversi Highway Map and stuan the map to that down descriptions of the survey of the survey of the survey descriptions of the survey
owal	(ITowns	on section	(N.E., S.W., atc.)		
15ratu) (240)	in 2	Stephen	Rec 2	(Nume) Address -	1) OWNER & C
Texas Watter Wolf Onlinery Bound P. O. Box 13087 Austin, Texas 78711	Texas Wat P. O. Box Austin, Tu		NATER WELL REPORT	ATTENTION OW	Send original copy by carrified mail to the Texas Department of Water Resources P. D. Box 13087 Austin, Texas 7871
				77 (6)	Please use black ink.



Additional instructions on reverse side.

waddictomal instructions on reverse side.

Please areach electric log, chemical analysis, and other pertinent information, if available,

Send original copy by certified mail to the Trass Watte Davelopment | F. O. Box 13087 Austin, Texas 78711 (Use reverse side if secessary) COMPLETION (Check): 35-220 Diameter of bole 64 New wall Despening ADDRESS Person having well delited Dopen to pump bearing, syllander, jet, etc., No PHAP II. Static level, <u>460</u> ft. below land surface Date 10-1278 Straight wall Recondicioning below land surface. Arresian pressure has, per square inch 184 320 THARE NO MORINGON locate by sketch map showing lambuarks, roads, creeks, hivey number, egg., 10. D. Dataphonville Sans サンカナ Serganta Dawell or Prince Graval Sacked I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. Open Hole 15. (Name) ormation material CARLE ! Salacho Depth drilled 320 ft. Depth of completed well Trest one } Service of the servic All measurements made from 4) PROPOSED IME (Check): Decomments Industrial GOR CON Irrigation Other حم Styphenin Ilc Test Well #114 Water Well Drillers Registration No. 12) WATER QUALITY: Use a chemical analysis made? 10) II) WELL TESTS: MID 9) Caring: Type: 01d (inches) (Inches) Perturent SCREEN: Committed from Tield: Competatate of water Bailer tract S go with 20 ft.drawdown after Type of water! Did any strata contain undesirable water? Artesian flow Was a pump test made? Address (Street or RFD) Address Labor (NAS NES 285 SES) of Section Abstract No. Give legal location with distances and directions from adjacent sections or survey lines. N. S.W. etc.) direction from Dowell Other Municipal ft-above ground level. (Street or 150) 280 Fr= (ft.) Well Jewise fre Texas the Arty b S)TYPE OF WELL (Check): Rotary Driven 320 Stephenu: 1/6 Cable 0 Yes 20% each of strata ft. drawtown after 320 ft. Date drilled # to 200 7600/ Yes 320 League Susans Jetted Slotted Distract Gold PARCE (CEEY) If yes, by whom? ĩ 200 108/25 10.12 Bored Other 100 Dag. hea. (State) 3

ADDRESS 10 3 By The arrival ADDRESS 10 3 By The arrival ADDRESS 10 3 By The arrival ADDRESS 10 By The ADDRESS 10 By Th 13) WATER QUALITY:
Didyou knowingly enterengany stream which contained undesirable under the contained undesirable under the contained undesirable under the contained MARK A Please attach electric log, chemical analysis, and other pertinent information, if available Driller must complete the legal description to the right with distance and direction form new orientering Section or survey lines, or he must locate and identify the world on an official Guarrie on Half-Scale Treat County Gorzal Highway Map and around non-map to this form. 25-63 65-210 200-245 245-360 845-360 Send original copy by certified mail to the Certified mail to the Texts Department of Water Resources P. O. Box 13087
Austin, Texas 78711 6) WELL LOG: 380-450 860-31 TYPE OP WORK (Check): 2) LOCATION OF WELL DOWNER C. J94 087 360-380 Saw West (ft.) Date drilled 12 -25-71 61/2 0 Reconditioning 0 50 (Use reverse side if necessary) ☐ Plugging C Deep +ENNER I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief Description and color of formation material 4) PROPOSED USE (Check): Blio Clary D Irrigation D Test Well D Other apper a Proposited Cont proposition Cont Calacho DIAMETER OF HOLE 0 Surface WATER WELL REPORT Sor attached map. Water Well Drillers Registration No. Stophono: le mies in INE_SW_est.) State of Texas R+3 (SURME OF RED) to ken steel, shotting P.P. 12) WELL TESTS: 11) TYPE PUMP: 101 PACKERS: 9) WATER LEVEL:
Static level 3 SQ__It. below fand surface
Arterian flow______pm. Travel Packed give interval . . , from Menodured by BLUE | Leaf Beer of Technical Comments of BLUE | Leaf Beer of Technical Comments of Technical Com OType Tett Drump Salet Dietted Dimensed Yield: 20 gom with 2D tt. drawdown after 1 hrs. 8) CASING, BLANK PIPE, AND WELL SCREEN DATA: 71 BOREHOLE COMPLETION: Depth to pump bowls, cylinder, jet, etc., Used New ☐ Open Hole mapon Steel, Plastic, etc. Perl., Slotted, etc. Screen Mgf., if comm 5) DRILLING METHOD [Check]: ☐ Mud Rotory ☐ Air Hammer
☐ Cable Tool Stupheniu !!le D Jes 180 direction from Sta Chamadle Туре Dennight Wall CEMENTING DATA Securice the De Submersible 31-55-16 Depth MAR 1 5 1982 ☐ Jetted C Driven For TDWR use only
Well No. 3/-+7-84
Located on map 1/2.5
Roceived: 2-6-5-3-(Sam) (Zp) Date Setting (1) □ Underreamed C Bored 19-25-79 □ Cylinder

0230

Board

WATER WILL REPORT State of Texas

Por TWO use only well to 31-47-EM Located on map

Well No. 3 pnly + 7 - 8	Proputation Office Trainest Fo		is, and other pertinent information, if av	Please attach electric log, chemical analysis, and other pertinent information, if available.
£69	Mino	•	Signed)	(Signed) Sorryan
4 26401	2	Water Well Driller's License No.	me ned	ADDRESS 1330 LEVEL PHANE
are true to the best of my	vision) and that each and alf of the statements herein are true to, the best of my thru 12 will result in the logis) being returned for completion and resubmittal.	ion) and that such and ru 12 will result in the	drilled by me (or under my super	I here by certify that this well is knowledge and belief. I under:
Dietred DEclimated	Spm with	14) WELLTESTS: Type Ten: Yield: 1/0	Trus which concuined undesirable SIRABLE WATER Oppin or trust Trus Trus	Did you knowledy sensing my trass which contained underirable water Dyes No. N
336 to	Depth to pump bowls, cylinder, jet, etc.,	Depth to pump	(Use reversionable if spectrality)	(Use reversigned
bin □ Cylinder	□ Jet 29 Submers b ii	13) TYPE PUMP:	JAN 11 1986	
ing (Do)	duchen	72 PACKERS:	(S01303	50
2 2	It. below land surface			
19.44ke)] Tule 319.71j	SURFACE COMPLETION Specified Surface Ship Installed [Aule 319 44ke] Specified Surface Ship Installed [Aule 319 44ke] Pripar Adoptor Used (Rule 319,44kd) Approved Alternative Propedure Used [Rule 319,71]	10) SURFACE COMPLETION Specified Surface Sinb In Princer Adigner Used (Re Approved Alternative Pri	Samo + Bre	
Second Burg	Lin water	Comented by	Thus Sandin Shalo	200 - 200 June
t. No. of Sacks Used 24 t. No. of Sacks Used	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9) CEMENTING Comented from	Shale	69-85 Bhu
		H	2	
337-357 51	Stand		Shale	24-60 Blue
From To Screen	Screen Mgt., it commercial	Charles See	tock	8-34 gang
	CASING, BLANK PIPE, AND WELL SCREEN DATA	8) CASING BLA	Description and color of formation matterial) E
(r to	Gravel Packed give interval from	Gravel Packed If Gravel Packet	7/1/2 Surface 90	Started 12-30 187
	APLETION:	3) BOREHOLE		
THOD (Check): Otiven Chir Hummer Dietred OBored Cobie Tool Oother	2 8	Other	Check): uriet ☐ Monitor	DReconditioning OPusging
	31-54-2	See attached map, Q O 3	98 184	
Township	Black No. Township	retion	0	Drillar must complete the legal description to the sight with distance and disection from two interacting section or survey lines, or he must legal and ideally the well on an official Quarter or Half-Scale Texts County General Highway Abg and ottach the map to this form.
Replication 1680	direction from	IN.E., SW., etc.)	Meek Address	2) LOCATION WELL: COUNTY EXATL
P.O. Box 13067 Austin, Tuxas 78711	on Reverse Side	WATER WELL REPORT NER: Confidentiality Privilege Notice	ATTENTION OW	Amazon original copy of carrilled mail to the Carrilled mail to the Texas Weiter Commission F.O. Box 13087 Austin, Texas 75711
		State of Texas	State	Please use black inc.

TEXAS WATER COMMISSION COPY

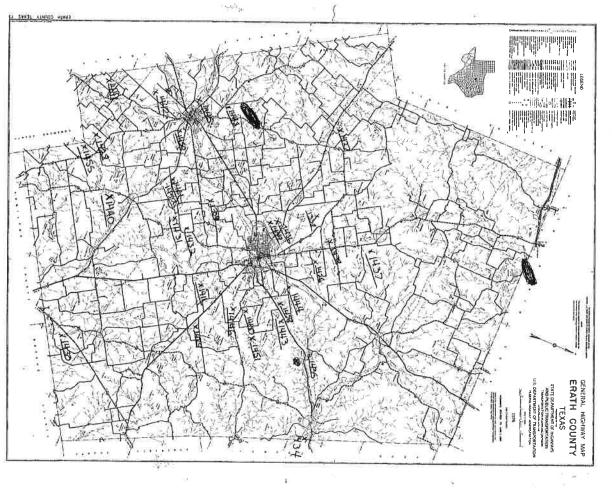
Sharp Marian British Control (All Mark Arget Control Marian)

Sharp Marian Control (All Mark Arget Con

1

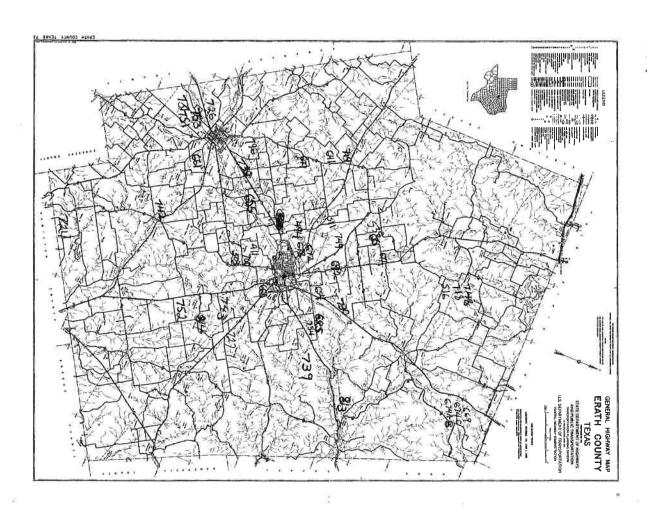
TEXAS WATER COMMISSION COPY

									8	÷.	22							8	1	l			- 55				_	,
(Loonad West Drilled)	8	ADDRESS PO, BOX "TO	I have by earthy that this well was drived by in that taken to complete from 1 thru 15 will in company name 2010 ELL	Was a chemical analysis made?	Males?	15) WATER QUALITY: Did the draing personne my strain	Yald: 15 gam with	IS:	O Other			200-400	S12-312	U\$6-080	30 300	7-30	Company supply	Tarket	Completed /-24 19 20		3) TYPE of WORK (Check): 2 New Wall Despening Reconditioning Plugging	Distance and direction from two intersecting section or survey lines SEE ATTACHED MAP O	Section No. Block No.	Ordiner music complete the legal descript Country or Hatt-Scale Texas Country G	2) LOCATION OF WELL:	1) OWNER LOT ON	ATTENTION OWNER: Considerately Philage Notice on Reverse Side	d original copy by cordino mail to: Tesas Water Com
d Weil Driller	7 00	557 STE	I hereby earthy that this well was drived by the (or under thy supervisor) and that such and all of the statements therein are the to the best of thy knowledge and belief, i understand that the to completely and the statements therein are the to the best of thy knowledge and belief, i understand couple for an experiment. Couple are name $Aout ELL$ ue ue ue ue ue ue ue ue	可表	2.3	WATER QUALITY: WATER QUALITY: Did the didling personas any stress which consulted undestable constituents? I year The last a month destable to suppose a few attempts to the consulted and th	Baller LaTiened Estimated	SEP SEP	SALA BACOLE			James (Rad Bluggion	B. Ser Day	Charles and	Callacho .	Constitution of the Consti		Surface LLA 0	Dat (n.) From (n.) To (n.)	PROPOSEDTÚŠE (check): Domestic Industrial Mostor Irrigation Trest West Injection	31-	No. Township	Office must complete the legal description before with distance and direction from two frienceding section or survey fines, or he must locate and Gentify the well on an official Country Content Highway Map and statish the map to this form.	the miles in	ADDRESS ADDRESS	•	on, P.O. Box 13087, Austin, Texas 78711
(Signed) (Registers	(City)	HENVILLE .	MELL DRILLER'S LICENSE NO.		12) PACKERS:	Static level 2310	3	Prince Surrous Supersulated (Pulse 257,44(2)(A)) Prince Adaptor Used (Rule 267,44(2)(B)) Prince Alternative Procedure Used (Rule 267,71)	10) SURFACE COMPLETION	Commented by	.11	CHEMING DATA (Fluo 287 MI)			4 W SCHHO PUC	Used Screen Mg, If o	New Cast Plant are Sant South		If Gravel Packed the Interval	Ę	De-Watering	55-7	_ Abstract No Survey Name	nlarsecting section or survey fines, or he must be form.	(NE, SW, etc.)	PO. Bus	State of Texas WELL REPORT # 1444	rlin, Texas 78711
(Registered Drifter Trained)	(State) (Z(p)	TX 76401	of my knowledge and belief, if understand 1891		Type Depth	n. below land surface Drate	ra propositi	(Pruse 287,744(2)(4)) 7-44(3)(8)) Used [Ruše 287,71)		W 61 all stome	ft. No. of Sacks Used	III			0 480	From To Screen	200		340400 .	West □Underreamed	DRILLING METHOD (Check): Multi Robert Cabus Tool Check		Name	scale and identify the well on an official	All which days	Der 11 1 76 401	Texas Water Weil Orlliers Board P.O. Box 13887 Austin, Texas 78711	Please uso black int.



Lacated on man 163				TOWN 0393 (Rm 5-97-82
7-8	(Registated Driller Trainge)	tinent information, if available.	chemical analysis, and other	Please attach electric log.
Dup		(Signed)	Mrns C Swall	(Signed)
76401	Teras State	Stephenville	0. Box 5558	ADDRESS P
	License No1891	8 - Ino Water Well Driller's License No	COMPANY NAMEDOWELLWELL SETVICE	COMPANY NAME DOM
	ider my supervision) and that st of my knowledge and belief.	I heraby certify that this well was drilted by me for under my supervision] and that each and all of the statements herein are true to the best of my knowledge and belief	l hereby cerd each and all o	v
Jetted C Estimated	2 Pump Suiter	Contained underviable 12) WELL TESTS: WATER Yield 15	INDESIRABLE 1 Depth of	Util you knowingly pendivate water? □ Yes □ No □ N
	owis cylinder,	H	UNITED WATER RESOURCES	131 WATER QUALITY:
enibir 🗆 Cylinder	TYPE PUMP:		AUG 2 8 1985	
		E G S W I S G S		
Depth	KERS: Type	10) PACKERS:		
urface Date 10-29-81	State tovi: 320 ts below land ruface Acresian flow	State Arresi		
Well Service Ing.	Dowell			
100 400 m	CEMENTING DATA Comented from C 10.10 Method und POURED	Contented for		
		0	1	420-450
			Pare Barre	305-355
		Commence.	The state of	140-160
450	CO T	4	4.00	
Scring Ital Gage	Steel Plastic etc. Perf. Stotted, etc. Screen Mgf., if commercial	Dia New	Jag Dail	20-5
REEN DATA:	CASING, BLANK PIPE, AND WELL SCREEN DATA:	of formation 8)	Description and color	From To
11 C Underreamed	BOREHOLE COMPLETION: Open Hote Grauph Packed Other H Gravel Packed give interval from	O 450 O A 500 (tt) O D O O O O O O O O O O O O O O O O O	10/22/82 6	6) WELL LOG: Date drilled 10/
er Driven Bored	METHOD Ty Arr	D USE (Check). Industrial © Public Supply Test Well © Other	gring 4	JI TYPE OF WORK (Check) New Well Door Reconditioning Plug
Townshipor survey lines	Section No. Block No. Town Section No. Survey Name Abstract No. Survey Name Distance and direction from two intersetting section or su resattrathed map. Map and 31-54-79	£84 E	Online must complete the light description to the right with activities and direction from two mirrestring section or survey limps, or the must construct and dennity he can be survey limps, or the must construct and dennity he seek on an off-seek Datarter or Hall Scale Total Country limps and article manage to this some	Drules must complete at with distinct and direct son or survey lines, or a well on an off-sul Quar- General Highway Mass a
18	direction from			county Brath
City (State) (2/0)	Stephin:	AddressBt_2	Troy Moore: (Name)	1) OWNER T
Texas Water Well Drillert Board P. O. Box 13087 Austin, Texas 78711	exas REPORT Privilege Natice on Reverse Sidc	State of Texas WATER WELL REPORT ATTENTION OWNER: Confidentiality Privilege Natice on Revese	asar Resources ATTENTI	Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 P. O. Box 13087 Austin, Texas 78711

DEPARTMENT OF WATER RESOURCES COPY



Please attach electric log, chemical analysis, and other pertinent informational instructions on reverse side.	SPAMA	other Ore (1-14-74) Date fr.	Direct or WORK (Check): New Well (Check): Reconditioning Plugglag Irrigation Test Sell 6) WELL LOG: Dissector of hole 6 34 in. Depth defilied 3 34 fet. Depth	wastin, Tools 70711 1) On Bit: 1) On Bit: 2) Error haring well defiled from Maria VIII. Maria viii. Maria VIII. 2) Error haring well defiled from Maria VIII. 2) Maria VIII. 2) Maria VIII. 2) Maria VIII. 2) Maria VIII. 3) Maria VIII. 4) Maria VIII. 4) Maria VIII. 4) Maria VIII. 4) Maria VIII. 5) Maria VIII. 6) Maria VI
information, if evaliable.	DAMER (Canalage and perfect an	WELL 18515: than a pump test code? Yield: Saliet test. Artesian flow Artesian flow From temperature of water. WATER QUALITY: Gas a chamical analysis made? Did any strates contain undesization and the content of water.	Santages Stantage Stantages St	Address (Street dr. MP) Address (Street dr. M

Day of

TEXAS WATER COMMISSION COPY

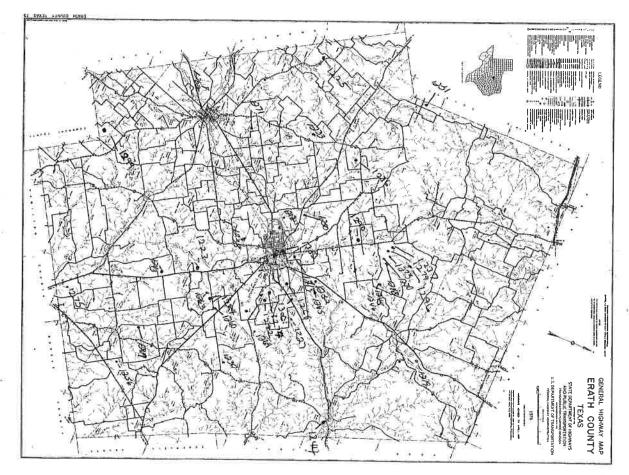
WWD-012 (Flev. 09/21/88)

		(Signed)	-	(Signed)
76 HO	SE NO. 1258	and resubmittal well priller's license no the hombittel (th)	and to make the proposition and the sector as sec	s 1330 (Steer)
	Type	Ariesian for	DATE CHARGE WATER Depth of strata I visa I visa	109 WATER CUALITY: 109 WATER CUALITY: 109 WATER COALITY: 110 Yes 100 Was, submit PEPORT OF UNDESTRUBE WATER 110 of walk?
87.71] 87.71]	/ & & & & o	HELLINER LEVELY	MAY 0.5	ts, cylinder, je gump
No. of Sacher Used 3 AULES Custos Care	1	Commend from 20 n. to	Emperation Section 1	DS -/21
15 122 3/3			Strate of Red Bed	76-105 Water Strate & Res
ATA: Serting (ft.) Gage Cauting on To Screen	IND WELL SCREEN D.	8) CASING, BLANK PIPE, I New Steel, Plastic, etc. Dis. or Perf., Stoffed, etc. (in.) Used Screen Mg. If co.	Description and order of hornauton material A	10 m
□Underreamed	algre was	7) BORDHOLE COMPLETION: Open Had State	Disagna, From (t) To (t.) 6 1/4 Surbos (7.7.2)	Sarried 3-3 1972 Completed 3-3 1977
eck): Driver:	5) ORFILLING AMETHOD (Chack): Gridd Folloy Air Faminisc Air Folloy Cable Tool	□ Marritor □ Public Supply □ Injection □ De-Wattring	PROPOSED USE (Chack): Ediometric Dinoustral Dinigation Ofess Well	TYBE OF WORK (Check): 4) Chicker West Desperating Reconditioning Drugging
dly the well on an official	lines, or he must locate and ident	iniansecting section or survey s form. Abstract No	fighway Map and direction from wo Highway Map and assach the map to rick in a section or survey lines	Object must complete the logal description below with desurce and direction from two Intersecting section or servey lines, or he must locate and identify the well on an odecal Objects in Thorse County General Highway Metp and attach the map to tits form. Display the County of County o
Repherent Les	1000 CON	SS Rt 3 (Superior (NE, SW, etc.)	Morre ADDRESS	2) LOCATION WELL (Name)
Texas Water Well Drillers Board P.O. Box 13087 Austin, Texas 78751	Tazz	State of Texas WELL REPORT	State WELL	ATTENTION OWNER: Confidentially Physique Notice on Reverse Side

00000 o 465 10000 Ruford Phillips GENERAL HIGHWAY MAP
ERATH COUNTY
TEXAS
STATE DEPARTMENT OF HIGHWAYS Alles tomes

TEXAS WATER COMMISSION COPY

Wall No. 31-47-8			Please attach electric log, chemical analysis, and other pertinent information, if available.	nical analysis, and other p	tach electric log, chem	Please at
TWO	(Registered Driller Trainee)	(Signed) (Rogistered	(Sig	THE WAY WAT DEAL	March	(Signed)
16401	X States	endille	The phenu	TOU S	10	ADDRESS
1	ł :	// // // // // // // // // // // // //	- 1,	pe or Pr	0	
		Spore The	Seducez	11/2/11	COMPANY NAM ON ILLO	COMPA
in are true to the best of my	g 3	ir under my supervision) and that each and all of the statements complete items 1 thru 12 will result in the logis) being returned	I here by cern'fy that this west was drilled by me (or under my supervision) and that each and knowledge and belief. I understand that failure to complate items I thru 12 will result in the	I here by carryly that this well was drilled by me (o knowledge and belief. I understand that failure to	I here by carnify the knowledge and belle	
Watted DEstimated drawdown afterha.	□Pump □ Bailer gpm with ft.	14) WELL TESTS: Type Test: Yield:	contained undesirable WATER" Hysta	NDESIRABLE Depth of	Did you knowingly penatrate a water? Yes Yallo H yes, submit "REPORT OF UType of water? Was a chemical analysis made?	
r.	Depth to pump bowls, cylinder, jet, etc.,	Depth to pump bo		(Use reverse aids if necessary)	WATER DUALITY:	15)
Cylinder	🗆 Jet - 📜 Submersible	13) TYPE PUMP:				Ш
Oxpth	Түре	12) PACKERS:	TEXAS HATER COMMISSION	TEXAS HA		
Date	580 ft. below lend surface	Static level	SEP 0 0 1988	SEP		
	1	11) WATER LEVEL		8		i ii
9.44(c)) ule 319.71]	SUPITACE LOWN/LETION Specified Surface Stab Installed (Rule 319.44(c)) Pities Adapter Used (Rule 319.44(d)) Approved Alternative Procedure Used (Rule 319.71)	Specified Surface Stab In Specified Surface Stab In Philess Adapter Used (Ru Department of Approved Alternative Pri				
Selvice INC.	Well Well	Cemented by Ot 11/2.				
No. of Sacks Used &	340 " " 400 "					100-
	TA [Rule 31944[51]	9) CEMENTING DATA		Red Chy	- 380	380
				Chil	ъΤ	300
0 760 3640		1	d Clay	20	300	360
Sening (tt.)	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	8,3		200	06	000
SCREEN DATA:	CASING, BLANK PIPE, AND WELL SCRE	8) CASING, BLANI	Description and color of formation material	-1	E To	[ft.]
□ Underreamed	MPLETION: Straight Wall Other	26 0 0 0 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	DIAMETER OF HOLE A.J. From (IL) To III.] Surface O #60	19 <u>87</u>	Started 8/10 Completed 8/11	Oute Drilli Started Comple
THOD (Check): Driven Air Hammer Detted Bornd Cable Tool Doher	5) DRILLING METHOD (Check): OMud Rotary O Air Hammer Air Rotary O Cable Tool	□Public Supply □Other	PROPOSED USE (Check): Deminise C Industrial Manitor Infaction C Test Well C Injection	ng Monne	New Well Despening Plugging	무선
	31-54-3	nehad map. On 3	X Sea attached map.			
ship	Cupyl description: Section No. Block No. Township Adapted No. Survey None Control No. Intersecting section or navey lines	Legal description: Section No	1,00	Oritize must complete the legal description to the right with distance and direction from two interesting section or survey lests, or to must locate and identify the well on an official future or 14 fickale Texts (book General Hopers Hopers 14 fickale Texts (book) General Highway Map and stack the map to this form.	must complete the la istance and direction if survey lines, or he m if an efficial Cuarter of al Highway Map and a	Day of the Control of
S/ULAP (Town)	direction from S1	(N.C.SM.MC)	miles in	25	COUNTY EXCELLE	6
10 24 76 401	tophonial las	Rt. 2 A	- Address	Boca	1) OMMER Steere	
Texas Water Well Drillers Board P. D. Box 13087 Austin, Texas 79711	m Reverse Side	State of Texas WATER WELL REPORT NER: Confidentially Privilege Notice of	State of Texas WATER WELL REPORT ATTENTION OWNER: Confidentiality Privilege Nation on	АПС	Sind original cody by contilled mail to the Texas Water Commission P.O. Box 13087 Austin, Texas 78711	P.O. Sand
					11.11	55.



State of Texas

Send original copy by corrifted mail to the least Mater Development Board F. O. Box 11087
Austin, Texas 78711 8) WATER LEVEL: Static level (Use reverse side if ancassary)
7) GOMPLETION (Check): 3)TYPE OF WORK (Check):
New Well Despening 1) OWNER:
Person having well drilled County OF WELL: Diemeter of hole 6-3/4 Reconditioning Straight well Locate by sketch map showing landmarks, roads, creeks, hiway number, etc.* Arcesian pressure Under remmed Depth to pump bowls, cylinder, jet, etc., 0 (Wse reverse side if necessary) 80 mapon 31-46-4C P.O. Box C.W.Wolf Plugging Map on back Gravel packed Clay and rock Sandy top soil Red bed Sand amd sandy clay fc. below land surface Erath lbs. per square inch Date I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. Open Hole Pescription and color of in. Depth drilled All messurements made from H.L.Gabhart 4) PROPOSED USE (Check):
Domestic K Industrial Irrigation Date 80 THESE TITE SELECT Test Well Stephenville ft. Depth of completed well,

n 0 fc.above pro Water Well Drillers Registration No. 10) SCREEN: 12) WATER QUALITY: Was a chemical analysis made? II) WELL TESTS: Commented from 0 - 3 Perforated Yield: (S.E., S.W., ecc.) Afraction from Type of water? Did any strate contain undestrable water? Temperature of water Artesian flow Bailer rest_ Was a pump test made? Address (Street or RED) Address P.O. Box 388, Stephenville, Tx. (Street or AFE) (CLLY) (Street Give legal location with distances and directions from adjacent sections or survey lines. (MAF NEF 2M5 283 July) Abseract No. 55 Other Municipal WOLF DRILLING Et.above ground level. From (Et.) gpm with gpm v1ch From (ft.) New X Steel S)TYPE OF WELL (Check):
Rotary X Driven Cable Spm Setting Yes Texas depth of strata ft. Date drilled 12/20/75 ft,drawdown after hrs. ft. drawdown after Stephenville 80 (tt.) _t,agd League Yes To (ft.) No Jetted Sloceed For this use only well as 1 14/1-8/ Plastic (CLEY) If yes, by whom? Yea 15-45 No X Ochez Bored Sng Sloc No. (5285e) (State)

1

*Additional instructions on reverse side.

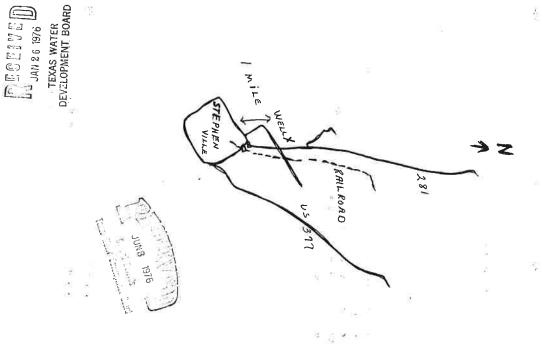
Please attach electric log, chemical analysis, and other perrinent information, if available

2) LOCATION OF WELL:

The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well may be plotted on a General Highway Hap of the county in which the well is located.

Reference points from which distances are measured and discretions given should be of a permanent nature (e.g. highway intersections, center of comes, fiver and creek bridges, railroad crossings). The distance and direction from the nearest come about a Roby's be indicated.

Information furnished in Section 2) of the NOBE-GY-53 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced. When giving a legal description include a sketch showing location of the well within the described area. e.g. survey abstract.



15) WATER QUALITY: 2) ADDRESS WELL: 14) WELLTESTS: 10-50 18-40 From (It.) ATTENTION OWNER: Confidentiality Privilege Notice on an reverse side of Well Owner's copy (pink) 0-18 Date Drilligg: 13 19 97
Startied 8-14 1997
Completed 8-14 1997 Ord you knowneyly penetrate any statia which contained undesirable constituents?

O vas X No II yes, submit "REPORT OF UNDESIRABLE WATER" Type of variet?

Depth of larges? Depth to pump bowls, cylinder, jet, etc. 115 # -10 Yield: 1 Pump (☐ Turbine ☐ Jet TYPE OF WORK (Check): Was a chemical analysis made? New Welt Deepening Am & Tak Jah BLU SAML
STARL
STARL
BLU SAML SARL
MANUSAN Sand Ruch Suich Sand Red Bes the Street Sans X Submersible □ Cylinder Xaarer □ Jotteo □ Estimuted
In 0 n. drawdown after 2 Description and color of formation material Depin of strains Ola (jn.) From (h.) To (h.)
7 //8 Surface 30 4) PROPOSED USE (Check): | Monitor under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I will result to the bod to being returned for completion and resubmittal. □ Industria □ Indjaltion □ Injection □ Public Supply □ Dewasting □ Testwell
II Public Supply well, ware plans sumitted to the TNRCC? □ Yes □ No

DIAMETER OF KRY # DIAMETER OF HOLE Rt & Stephenvill TK AUG 1 State of Texas
WELL REPORT ADDRESS RE Syphenodle New Steel, Plastic, erc.
Dia. or Pent., Stotted, etc.
(in.) Used Screan Mig., if commercial 199 Mathod of verification of above distance 43 N Stated 7) DRILLING METHOD (Check): Oriven
Out Ar Rolary Mud Rolary Bored
Ar Hammer Cable Tool Jetted
Other 12) PACKERS: 10) SURFACE COMPLETION CASING, BLANK PIPE, AND WELL SCREEN DATA: 8) Barehale Completion (Check):

Open Hole Specified Surface Slab Installed [Rule 338 44(2)[A]]
Specified Steel Sleeve Installed [Rule 338 44(3)[A]]
Prifiess Adapter Used [Rule 338,44(3)[b]]
Approved Alternative Procedure Used [Rule 338,71] WELL DRILLER'S LICENSE NO. ☐ Underreamed A Gravel Packed ☐ Other Artesian flow _ stance to septic system field lines or other concentrated po-X 240 / GAID. 31-47-8 Sherwelle TX 7640 Toxas Water Well Drillers Advisory Council
MC 177
P.O. Box 1987
Austin, TX 78711-3087
512-239-0530 16401 Type Ø From Date Date T 10 36 Straight Wall 115. 213 8-14-67 rg (ft.) Gage Casting To Screen Depth nation WATE (21)

White - TNRCC

Yellow - DRILLER

Pink - WELL OWNER

TDLR FORM MOI WWD	Samuel John Comment	Address	Company or individual's Name (type or print)	Type of water	Did you knowingly pointing tory oyea which contain understake constituents. Types 32 NO If you did you understa REPORT OF UNDESIRABLE WATER	16) Water Cunity 5 It drawk	Type test O Pump O Bailer O Joued 18 Estimated	1 5 1		Caring left to well: Commelflerature planed to well: From (ft)	٠.	ale de la companya de	500 clay	sand	400	280	160	46 91 shale	2	113-	Completed 9 / 27 / 00	Started 9 / 27 / 00 D			3) Type of Work New Well Despains 4	Erath	ON.	Book Church	D) OWNEAR	Confidentially Privilege Notice on reverse side of owner's copy.
Water-Toles Value-Owner	12 1/2 00 30	City	or print)	Depth of Summa	EPORT OF UNDESTRABLE WATER	own after 1/4 bits		Submanible 🖵 Cylinder		ne placed in well: Yes (In) Such used	white 48 hours	Comment	red	tan						-	1-110	From (#) To (fi)	Diameter of Hole	ı u	(check)	4 mi N of Stephenville		Address Copy	A. WELL IDENTIFICATION AND LOCATION BATA	When West Describing instance Propers P.O. Box 7157 Amer. Tama 17511 (51724-52778) Empil address: Water well@licrass: 441c.m. as: VP.E.1.1. REPORT
Puls - Driller/Pump leasuiter DESC CO	Approxima	State				12) Packers Type	State level 410 ft below Date 9	D Paless Adapter Used Approved Alternative Procedure Used	O Specified Surface Slab Installed Specified Surface Sleeve Installed	Method of verification of above distance	Comming By COMPANY	400 A to 410	9) Comesting Data			4 N Plastic	-	New Steel Plante, etc.	If Gravel Packed give the sucreal from 4.11	Borchole Completion Open Hole Other Under-reamed Gravel Packed Other.		Air Names Cattle Tool Chemi	Illing Metho	8		on 281		Stanhenville TX	(D) LOCATION BATA	116
œ	1	Zφ				Depth	,27 ,00			traced consummation N.A. It		R. Fof tacks used 2				0 500	From To	Scraing (ft) Carpe	1 4 500 a			- 8	8	×	5) NT		7-2	76401		and filed with the department and owner within 60 days upon campleians of the well.

and anginal copy by certified return receipt requested n.....o: TNRCC, MC 177, P.O. Box 13087, Austin, TX 78711-3087

Typetest D Pump D Bailer 32 Jo New Well Replacement 14) Type Pump

Turbine 330 County Str Company or individual's Name (type or print) D a $\mathcal{L}(\ell)$ Did you knowingly peneterie a strata which contain ondesteable continuents.

☐ YES SEA, NO. If yes, did you submit a REPORT OF UNDESTRABLE WATER
Type of water

— Dopth of Strata

Was a chemical analysis made. ☐ Yes SEA No. 3) Type of Work TOLR FORM 6001 WWD ddress 205 From (ft) Completed / J //8 6) Drilling Date Started 12/16 16) Water Quality Plugged 0.0 3754/2 350 230 205 570 Despening To (ft) Description and color of formation material ☐ Well plugged within 48 hours 100 40 Rod Con Toa Red Clay 🖾 Submersible 🚨 Cylinder | Lat. | Long. | Grid # \$
| 4Proposed Use (check) | Monitor | Environmental Sail Boring. 20 Domessic
| Industrial | irrigation | Injection | Public Supply | De-watering | Testuch
| Rig Supply | If Public Supply well, were glass submitted? | Yes | No
| Diameter of Hole | To (f) | Mair Rosary | Mod Reatay | Bered
| Diameter of Hole | Grid | Air Hammer | Cable Tool | Jened
| Color Tool | Grid | Cable Tool | Jened | Other Sa Zo ☐ Estimated White - TDLR No. Limestone Yellow - Owner Sacks used woll City Step he Du. 10) Surface Completion

Maspecified Surface Slab Installed

Daspecified Surface Sleeve Installed

Deptities Adapter Used

Deptities Adapter Used

Approved Alternative Procedure Used SCRULC 4 E D 9) Cementing Data
Cementing from 12) Packers Comenting By Do well well Sexues State to be September 2:77 00 Sept a Method of ventile Pink - DrillertPamp Installer Casing, Blank Pipe, and Well Screen Data Used New ion of above distance 200 Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfs., if commercial ft. to a a a a a ft. # of sacks used Grid# State FEB 1 4 2001 O From Ś -47-Seming (ft) 0 6 5 m Zip 440 PER CO O ď 7640 Casing 3

VRCC-0199 (Rev. 09-01-93)

TNACC COPY

This form must be completed and filed with the department and owner within 60 days upon completion of the well. COMPANY NAME Double Diamond Drilling (Type or print) 15) WATER QUALITY: ADDRESS I hereby certify that this well was critical by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief, understand that failure to complete items 1 that 15 will result in the log(s) being returned for completion and resultsmitted. 14) WELLTESTS: 9 ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side 200 172 From (fL) OWNER HARVEY WILLIAMS ☐ Yes 図 No If yes, submit "REPORT OF UNDESIRABLE WATER" ☐ Turbine WELL LOG: Was a chemical analysia made? Type of water? Did you knowingly penetrate any strata which contained undesirable Typetest ☐ Pump Yield 40 gpm v Depth to pump bowse, cyander, jet, etc., 334 n. Other. Date Drilling: Started 4/19 19 95 Completed 4/19: 19 95 New Well TYPE OF WORK (Check): County Erach ☐ Reconditioning To (ft.) 250 ☐ Jet gpm with □ Deepening
□ Plugging □ Ballor Submersible reverse side il neces Clay Shale Red Clay Clay Tan Sand I ime Sand Clay (Street or RFD) Box 518 Description and color of formation material □ Yes ease attach electric log, chemical analysis, and other pertinent . A. drawdown Depth of strata څ 7-7/8 Surface 350 CONSERVATION CO.... □ ¥ PROPOSED USE (Check): ☐ Monitor ☐ Environmental Soil Boring 7Q; Domestic ☐ Industrial ☐ Industr DIAMETER OF HOLE Estmated matter 1/2 hrs. Smiles porth of Stephenville TX (Sweet or RFC) (Sweet) JUN 2 1 1995 MISSE State of Texas ADDRESS Ft. 3 Box 88, Stephenville, TX 76401 (State) 11) WATERLEVEL: 10) SURFACE COMPLETION 9 36 7) DRILLING METHOD (Check): Drivan

[3] Air Robary Mud Robary Defed

[3] Air Hammer Dable Tool Defed

[4] Other Borehole Completion (Check): 12) PACKERS: CASING, BLANK PIPE, AND WELL SCREEN DATA: (Signed) WELL DRILLER'S LICENSE NO. Distance to segio system field lines N/A to CEMENTING DATA [Rule 338.44(1)]
0 ft. to 1.50 ft. ☐ Specified Surface Stab Installed [Rule 338.44(2)(A)]

▼ Specified Steel Steeve Installed [Rule 338.44(3)(A)] Approved Alternative Procedure Used [Rule 338.71] ☐ Pitless Adapter Used [Rule 338.44(3)(b)] ☐ Underreamed ② Gravel Packed ☐ Other
If Gravel Packed give interval ... from _______150 Artasian flow Asthod of verification of above distance N/A Steel, Plastic, etc. Perf., Slotted, etc. Screen Mig., if comm Plastic Conventional Company ft below land surface (Zip) (Registered Driller Trainee Open Hole -gpm Texas Water Well Drillers Advisory Council P.O. Box 13087 Austr, TX 78711-3087 512-371-6299 2682 (State) Туре STATE WELL # 31-47-8 No. of sacks used No. of sacks used_ From Date Date Setting (ft.) Straight Walf 9 4/19/95 350 7 Depth 350 (Zp) 76048 片 (d_Z) z,

2) WHILE THE WINN THE Kelly CASSTORENS

Stephenville

10426

Ĉ.

State

Q_LZ

DOWNER WAS THE PARTY OF THE PAR

CR 176

Attention Owner: Confidentiality Privilege Notice on reverse side of owner's copy.

 $\exists 1$

Th. 3 Department of License and Regula. _n
Water Well Orlier/Amp Intabler Program
P.O. Box 12157 Austin, Trans. 78711 | 1512/0857-880 FAX [512]465-8616
Toll free (800)803-9202

Send original copy by certified mail to: TNRCC, P.O. Bc

J87, Austin, TX 78711-3067

Email address: water.well@license.state.tx.us

WELL REPORT

TOWR 0392 IRay, 5 27 821 Please attach electric log, chemical analysis, and other pertinent information, if available ADDRESS COMPANY NAME Wolf Drilling Co. WATER QUALITY: Red Clay Blue Sahle Brown sandy clay RED CLAY Sand and Gravel TEXAS WATER COMMISSION 3 A 1 3 9 3 I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief SEP 14 1987 DEPARTMENT OF WATER RESOURCES COPY 4 Stephenville Water Well Dritter's License No. (Signed) 11) TYPE PUMP: 12) WELL TESTS: Type Test: 10) PACKERS: Orheo Depth to pump bowls, cylinder jet, etc. Method used Static level 275 WATER LEVEL Ag pas (Registered Driller Trainge) □ Pump ت ت Walf Drilling Co. _ft, below land 559 Type TXS CEMENTING DATA gpm XII Submer Sign Well No. 31 7-8 ☐ Jetted 76401 365 Estimated
after 3 hrs. ☐ Cylinder after 9-15-86

1 19431 418003

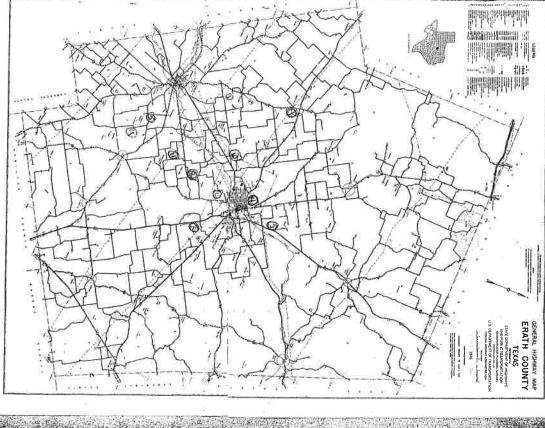
Sand original copy by certified mail to the Texas Department of Water Reso P. O. Box 13097 Austin, Texas 78711 6) WELL LOG: 3) TYPE OF WORK (Check): Diriler must complete the legal execution to the right with of stames and direction from two intersecting are its orion or universal times of the must locate and identify the well on an official Quarters or Half-State Teas County General Highway Nap and attach the map to has form. 1) OWNER Mr. New West Date drilled 9-15-86 COUNTY ETATA Plugging Terry Blue shale clay , rock lyrs.
Red Clay
Sandy clay
Blue shale , rock layers Caliche Blue clay and rock Top soil Antoine 4) PROPOSED USE (Check) ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side ② Domestic □ Industrial □ Public Supply
□ Irrigation □ Test Well □ Other From Ift To (ft. Hwv 281 504 WATER WELL REPORT Section No. State of Texas Distance and direction from two intersecting section or survey Abstract No. (N.E. S.W., etc.) B) CASING, BLANK PIPE, AND WELL SCREEN DATA: 1821 Overhill BOREHOLE COMPLETION:

Open Hole

Straight Wall

Gravet Packed

Other If Gravel Packed give Interval . . from 5) DRILLING METHOD (Check): □ Air Rotary □ Cable Tool Steel Torch slotted Stref, Plastic, etc. Perf., Statted, etc. Screen Mgt., if comm 31-54-7 Survey Name direction from Stephenville Tx. Stephenville Tx. 76401 Driven Tenat Water Well Onliers Board P. O. Box 13087 Austin, Texas 78711 365 405 Serring (1) □ Underreamed Other it to . 156 Cosing Cosing



NAME W.D.DOWELL Please attach electric log, chemical analysis, and other pertinent information, if available, 13) WATER QUALITY: 6) WELL LOG 3) TYPE OF WORK (Check): Oriller must complete the legal description to the right with distance and identition from two intersecting section or survey lines, or his must locate and ulgority the 423 will on an official obsertation or Maris Scale Tress County General Highway Map and shoot the map to that form. New Well Send original copy by certified mail to the Texas Department of Water Resources P_O. Box 13087 P_O. Box 13087 COUNTY EN WELL OWNER F.E.Sutton P.O.Box □ Plugging ☐ Deepening (Use reverse side if necessary) U SAISOS (U WATER RESOURCES The October of AUG 25 1982 DEPT. OF To the second I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief 50 4) PROPOSED USE (Chack):

Domestic | Industrial | Public Supply ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side ☐ Irrigation ☐ Test Well ☐ Other. DIAMETER OF HOLE D b Surface color of formation trerial WATER WELL REPORT A See attached map かるかのハ ジーリン・3を Stephenville Water Well Drillers Registration No. 400 Distance and direction from two intersecting section or survey lines State of Texas Abstract No. Section No. 7) BOREHOLE COMPLETION:

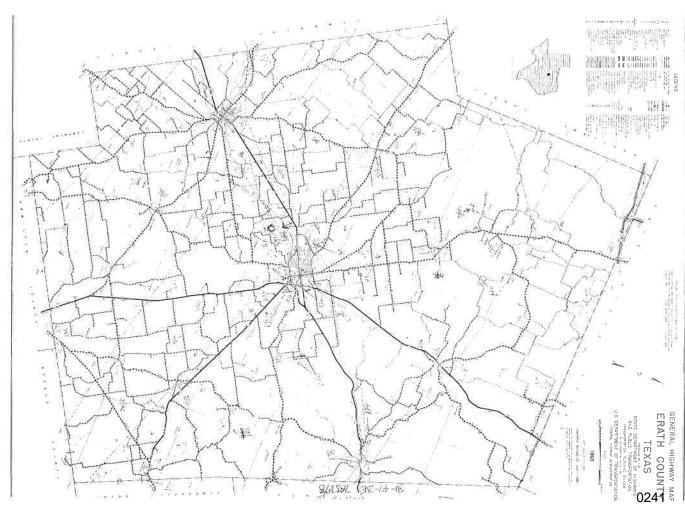
1 Open Hole Straight Wall

1 - from Dowell Well Service Inc. 41d N Steel, slotted 5 Dia 12) WELL TESTS: 111 TYPE PUMP: 8) CASING, BLANK PIPE, AND WELL SCREEN DATA: Bt. 2 Box 364 U Type Test: Yield: Cemented by Dowell Well Service Inc. (Company or Individual) Depth to pump bowls, cylinder, jet, etc. Other ☐ Turbine Method used Static level Con ft, below land surface PACKERS: WATER LEVEL: If Gravel Packed give interval from 1100 ft to 3110 ft and Foured 5) DRILLING METHOD (Check): ☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored

Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other. Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial Pump □ Jet Survey Name direction from . gport with Type CEMENTING DATA Texas -gpm 1268 h Detted Estimated Stepheny 11e Teras 764 Maddle gall Township ersible For TOWR use only
Well No. 3/47-8/
Located on map // S.
Received: C. K. S. 400 360 156 From To 76401 Setting (tr.) ☐ Underreamed Cylinder Cylinder

DWR-0392 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY



315 SHALE NAME

300 SAND-GRAWEL

300 300 LIMESTONE SAND LAYER

300 300 SAND-GRAWEL

300 300 SAND-GRAWEL

300 413 BLUE RED CLAY

413 420 SAND-GRAWEL

420 450 BLUE RED CLAY

11) TYPE PUMP:

SUBHERSIBLE

SUBHERSIBLE I HEREBY CERTIFY THAT THIS WELL WAS DRILLED BY ME (OR WIDER BY SUPERVISION) AND THAT EACH AND ALL OF THE STATEMENTS HEREIN ARE TRUE TO THE RETURNED FOR COMPLETE THRO IS WILL RESULT IN THE LOG(S) BEING RETURNED FOR COMPLETE AND SPECIAL AND SPECIAL TO COMPLETE THE SITUATION OF THE STATEMENTS HEREIN LOG(S) BEING RETURNED FOR COMPLETE AND SPECIAL AND SPECIAL THE LOG(S) BEING RETURNED FOR COMPLETE AND SPECIAL AND SPECIAL THE COMPLETE AND SPECIAL AND SPECIAL AND SPECIAL THE COMPLETE AND SPECIAL AND COMPANY NAME: ASSOCIATED SERVICES ADDRESS: P.O. BOX 16 15) WATER QUALITY: TYPE OF WATER: (signed) 15 20 20 75 200 225 249 226 280 280 315 315 390 390 398 TYPE OF WATER:

NO STRATA OF UNDESTRABLE WATER PENETRATED 10 RED CLAY
15 SANDY CLAY SAND
20 CALECHIE
75 SANDY CLAY SAND
200 HARD SHALE GREY CLAY
225 SANDY CLAY SAND
248 RED BREY CLAY SAND
248 RED BREY CLAY SAND
315 SHALE RED CLAY UATER WELL ORILLER'S LICENSE NO.: 2404
CITY: SFEPHENVILLE STATE: TX ZIP CODE: 76401 14) WELL TEST: dKnč YIELD: 7 6PH WITH UNKN FT DRAWDOWN AFTER 24 MRS (signed) Ceented from Ho. of FT. TO 20 FT. TO 350 FT. Wethod used: CEMENT-POURED Ceented by: GARY 11) WATER LEVEL: 330 FF. 10) SURFACE COMPLETION: 12) PACKERS: (HEGISTERED ORILLER (NAIMEE) SPEC. STEEL SLEAVE Method of verification of above distance: Distance to septic field lines: 150 ft. HELL NO.
LOCATED ON HAP 3411 NO CHEMICAL ANALYSIS MADE SEP 1 0 DATE: 07/07/98 DEPTH Jgc-SEON

wave Top my killer it the retements become are true to the base of any accordance and bitate. Where Top my killer is a true much become are true to the base of any knowledge and belief. Where the many true is the property of the propert	Vision V	8' 22 Send day 22 38 Sand Look 38' 39' Water Sand 10 802286 39' 68' Sand Book 10 802286 39' 68' Send Book 10 802286 10 80228	Street S	December County County	Send original copy by corrected wall to the State of Toxas State and to the State of Toxas State and to the State of Toxas State and to the State of Toxas S

CASING, BLANK PIPE, AND WELL SCREEN DATA:

DIA NEW/USED DESCRIPTION

N PLASTIC, BLANK

4 N PLASTIC, SLOTTED

FROM 0 398

398 458

6ASE CASING SCREEN SCH40

FROM TO DESCRIPTION

GEOLOGICAL DESCRIPTION:

No. of Sacks Used

DATE ORILLING: STARTED: 07/08/98

6) WELL LOG: 00315

DIAMETER 6.75

FROM

10 01

AIR ROTARY

GRAVEL PACKED
IF GRAVEL...

FROM 360 FROM

N FT. TO 458 FT. FT. TO FT.

Privilega Notice convenients Side Vales Recognized Vales Recognized Vales Recognized Vales Recognized Vales Recognized Vales V

TITY: LIPAN

STATE: TX ZIF: 76462-

City, State, Zip code: STEPHEVILLE

3) TYPE OF NORX: NEW WELL

TEPHEVILLE TX 25401
1F PODDIG SUDCY Well, were plans submitted to the TMSCC?

1F PODIC SUDCY Well, were plans submitted to the TMSCC?

17 PODICE OF FOLE 7) BRILLING METHOD: | 8) BOREHOLE COMPLETION:

County: ERATH Street or RFD: KIGHWAY 281

GRID # 31-47-8

*Additional instructions on reverse side.

Please arrach electric log, chemical analysis, and other perrinent information, if available.

WD\$EWD-

*Additional instructions on reverse side.

Please attach electric log, chemical analysis, and other parrinent information, if available

2) LOCATION OF WELL:

The sketch shooting the well location must be as accurate as possible, shooting landmarks, in weifitelest detail so that the well may be plotted on a General Highway Map of the county is which the well is located.

Reference points from which distances are messured and directions given should be of a permanent nature (e.g. highway directions enters of form, liver and enew bridges, railroad eressings). The distance and direction from the nearest town should always be indicated.

When makes a second of the second sec

STOPHENVILE

þ

311

Te.

The same and

Send original copy by corrilited mail to the Trans Water Development 1 2. 0. Box 13087 Austin, Texas 78711 3) WAIR LEVEL: SOO Et. below land surface Date 1-5-25 STEELL LOC: 0. Depth of Liled $\frac{320}{100}$ (t. Depth of completed well $\frac{320}{320}$ 1) OFFICE :
Person having wall defilled New Well Despening COMMENT ERRIN COMPLETION (Check) Recorditioning Locate by ekerch map showing landmarks, roads, creeks, hivey number, etc.* Streight wall below land surface. Depth to pump bowls, cylinder, jet, etc.,__ Accesian pressure 38E SEE 558 ONE ans and OVER 40 (Use reverse side if noccessery) W. D. Dowell Plugging Sandy Clay's Coal CIE Cravel packed Top Soil Blue-Shale (Clay Lumes tone Soard Blue Clay ? Lost Ciaculation Box 558 Lbs, per square inch Date I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are crue to the heat of my knowledge and belief. Open Hole fermation and color Toby All measurements made from 300 *)PROPOSED USE (Check):
*Domestic Industrial Irrigation Other WATER WELL REPORT State of Texas Test Well Stephenoile Vater Well Drillers Registration No. 12) WATER QUALITY:
Wee a chemical analysis made! Posturated Dowell Well Service, I ANC Comented from Type: Old þ Moters Same STOPHE (N.I., S.M., erg.) direction from Bailer test 20 ppm vich /8 :p101 4,7 Autron Huckahay Hury) Stephing ile Type of water? Did any atrata contain undesirable vater? Tomperature of water Arcesian flow_ Was a pump test sade? Other Abstract No. Give legal location with distances and directions from adjacent socions or survey lines. (NAY NEY SHE SEK) of Section ft. above ground level. Municipal From (dr. From (tt.) New gpm with S)TYPE OF WELL (Check): Cable Burgans e . Steel 0 1268 depth of strate ft, drawdown after / hrs. ft. Date drilled 9-5-75 70 ((%)) ft. drawdown after Et. to Survey Yes 32. 70 (ft.) V. Plastic 到 320 Jerred Slotted For THIS yes only
wall to 31-47. Received 76
Received 76 If yes, by whom? STEPHENVILLE TE Υcs Ť Bored Other Dug 3136 SC # 41 60 11. 80

ALC: N. Chicken

HWY 281

C.JATY RUD

HINY COME

U

William Control

FLX FXPFSIMETSTATTION

DECENVED

TEXAS WATER

TEXAS WATER

TEXAS WATER

Same boring landants, roads, creeks, te oun PKC Phoposing landants, roads, creeks, te oun PKC It oun PKC Phoposing because of the second of	Address August 1879 Final Street 80 (Aw Net St St St) of August 1879 Address Street 80 (Aw Net St St St) of August 1879 August 1879 August 1879 Final Camping Control Final Street 80 Camping Old Name Control Camping Control From Diameter Street (Lindias) From Diameter Street (Lindias) From Vald 1 1879 Spa Camping Control Spa
(EL) Description (C) 10 Mg	Street Old Now Steel Plantic Other Committee of the Street of trong of
COMPUSATION (Check): Strenight wail Gravel packade Under remand Under remand Open Note Warms Lawit. Static level. Static level. Static level. Day Depth to pump bools, cylinder, jet, etc., L&O d	Has a pump test mode! Yee No. If yes, by whom? Yield:
below land surface. I bereby certify that this well was a side of the statements leave the s	Did any streets contain undestrable variety Did any streets contain undestrable variety Type of valer? Type of valer. Type

Themby certify had this yell was chilled by the for upon understand that failure if definition learns I than 15 M COMPANY NAME COMPANY NAME ADDRESS (Stynes) (Stynes) (Stynes) (Stynes) (Stynes)	Depth to pump bowds, cylinder, jet, etc., 394 WILL Depth to pump bowds, cylinder, jet, etc., 394 WILL TEXAS WATE Type isser. Pump Bailer Jelnod Edimust Yeat: Spim with Indianochem after 15) WATER QUALTY: Doy of which was a dispimal region of strate. Type of which was a dispimal failured in Yea. Was a dispimal dispise made? Yea Xwo	13) TYPE PLUMP: (Turbino Jan Sacromoration Jan Jan	ATTENTON OWNER: Condeamsby Prinsips indice on flavores Sites 1) OWNER MUNICIPAL (Name) 2) ADDRESSON WELL County January (Name) 2) TYPE OF MUNICIPAL (Name) 2) TYPE OF MUNICIPAL (Name) 3) TYPE OF MUNICIPAL (Name) (Name)
or unger my supervision) and that each and all of the statements herein are fuse to the bast of my browkedge and belief. I shapes in the solg) being returned for completion and resultantial. From: THE LORILER'S LICENSE NO. 12-52 WELL DRILLER'S LICENSE NO. 12-52 (State) THE COMMITTEE COMMITT	U C 1999 101	CASH THE SHAPE SHA	State of Texas WELL REPORT WELL REPORT Street of Texas (Cop) Worldon Decision Devicion Decision Devicion Devicion Decision Devicion Devicion METHO OF HOLE TO BALLING WETHO Surfaces 300 Devicion WETHO OF HOLE TO PALLING WETHO Surfaces 300 Devicion WETHON TO IT WETHON TO IT Surfaces 300 Devicion WETHON TO IT Surfaces 300 Devicion Undernamed
in are true to the bast of my knowledge and belief, I tal. 28 NSE NO. 12-52 (State) TKX 76 40 ((State) (State) (State)	Spirit ACE COMPLETION Spirit Add Surface Sub Installed [Pule 338, 44(2)(A)] Spirit Add Surface Sub Installed [Pule 338, 44(2)(A)] Spirit Add Surface Used (Pule 338, 44(2)(A)] Approved Alternative Procedure Used (Pule 338,71) WATER LEVEL: WATER LEVEL: WATER LEVEL: Date PACKERS: PACKERS: Date Date Depth	relfrom well screen b elc. commercial commercial be a36.44(1) be a36.44(1) be a 36.44(1) commercial commercial	Trans Web Web Dilling Advisory Council P.O. Box 13987 Austin, Tr. 87911-3497

TURCC COPY

"Additional instructions on reverse side.

13) WATER QUALITY:
DIdyou knowingly penetras any straig which contained undestrable
water? — Yes <u>di.No.</u>
If yes, submit: "REPRIT OF UNDESTRABLE WATER"
Type of water? — Depth of strais
Type of water? — Depth of strais
Was a chamical analysis made? — Yes <u>di.No.</u> Please attach electric log, chemical analysis, and other pertinent information, if available NAME MORE (Signed) ADDRESS Dillar must consiste the ispal description to the right with distance and direction from two networking are ton or turvey lines, or he must focus and identify the will not no official function or High-Scale Flace County and on official Charleton or High-Scale Flace County of Connecd Highway Map and attach the map to this form. Send original copy by cardified mail to the Texas Department of Water Resources P. O. Box 13987 Austin, Texas 78711 6) WELL LOG 3) TYPE OF WORK (Check): □ Reconditioning 280-1886 20-OWNER LAW I & Date drilled COUNTY WEST AT A 0-238 된 280 K-96.8 □ Plugging □ Deepe Use reverse side if necessary Dowell hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. 13/4 0 Rid & Blue Clar 4) PROPOSED USE (Check): Barres □ Irrigation □ Test Well □ Other Shew Shale ription and color of formation material DIAMETER OF HOLE المدملة 1 ò See attached mep. WATER WELL REPORT 325 Water Will Drillers Registration Legal description: State of Texas î Dia Street or RyD) (N.E. S.W. erc.) 12) WELL TESTS: 10) PACKERS: 11) TYPE PUMP O Type Test: C Turbin Company or Individual) Method used Cemented from 8) CASING, BLANK PIPE, AND WELL SCREEN DATA: 7) BOREHOLE COMPLETION: Depth to pump bowls, cylinder, jet, etc., ≥ Used N Other Placked give interval ... from 285 ft. to 335 ft. □ Open Hole gring mapon 31-48-60 PUC, par Steel, Plastic, etc.
Perf., Slotted, etc.
Screen Mgf., if commercial 5) DRILLING METHOD (Check): ☐ Mud Rotary ☐ Air Hammer ☐ Driven

☐ Air Rotary ☐ Cable Tool ☐ Jetted 4151 1 Pump □ Jet gpm with 109 Type CEMENTING DATA 1831 ☐ Straight Wall Builer | Jetted | D Solvica Cre (City) F 10 285 Depth Spiration / Fix The For TOWR use only

Will No. 31-47-87

Located on map u.C. e Date 3-26-79 0 Setting (ft) Bored Other □ Cylinder □ Estimated 325 4/8 To

ATTRIFION ONBER: Confidentiality
Priviles Notice on Severese Side
ADDRESS: 24
11 ONES: TINNES BY
21 ADDRESS OF WELL:
COMEY. REAFS
Street or 289: SHITH SPRINGS DD
CITY. State, SID Code: STREMENVILLS
11 TERS OF NORE: NAW WELL:
14 PROPERTY. G80LOGICAL DESCRIPTION:

PRON TO DESCRIPTION

1 D9 SOIL

1 30 SABDY CLAY CALICEE SAND

1 10 SABDY CLAY CALICEE SAND

10 154 RED AND BLOW CLAY SAND SANDY CLAY

150 155 RED AND BLOW CLAY LINESTORM-SEALE

20 275 SANDY CLAY SAND

215 325 BLUE SANDY CLAY EAD CLAY

225 325 BLUE SANDY CLAY SANDSTONE

325 347 BLUE SANDY CLAY SANDSTONE

347 425 SAND-GRAVEL

425 435 RED AND BLUE CLAY SANDSTONE

347 425 SAND-GRAVEL

435 498 SAND-GRAVEL

435 498 SAND-GRAVEL 13) TIPE PUMP: SUBMERSIBLE DEPTH TO PUMP: CASING, BLANK PIPE, AND DIA NEW/USED DESC L HEREST CERTIFY THAT THIS WELL WAS DELLED BY ME (DR DWDER MY SUPERVISION) AND THAT EACE AND ALL OF THE STATEMENTS SEREIN ARE TRUE TO THE BEST OF AT KNOWLEDGE AND SELIEF. I DWDERSTAND THAT RAILURE TO COMPLETE LITERS 1 THE 15 WILL RESULT IN THE LOG(S) BEING BETTERNING BY DATE DRILLING: STARTED: 09/06/01 6) W3LL LOG: 00789 COMPANY NAME: ASSOCIATED SERVICES ADDRESS: P.O. BOX 16 15) WATER QUALITY: TYPE OF WATER: (signed) TIPE OF WATER:
NO STRATA OF CHORSIPABLE WATER PEMETRATED PE, AND WILL SCREEN DATA:
D DESCRIPTION
PLASTIC, BLANK
PLASTIC, SLOTTED LICENSED WATER WELL DEILLER! 380 | 15 | 16401-| 15 | 17 | 20200580 USS: DOMESTIC | 15 | 17 | 20200580 USS: DOMESTIC | 10 the TSUCC? | 10 DAILGING METEOD: | 3) BORREOUS COMPLETION: | 4) BORREOUS COMPLETION: | 6.75 | SUR SIT | ALE ROTADO ADDRESS: 2488 CR 176
ADDRESS: 2488 CR 176 WATER WILL DRILLER'S LICENSE NO.: 2404 CITY: STEPHENVILLE STATE: TX ZIP CODE: 76401 14) 780M 0 477 WELL TEST: PONP YIELD: 16 10 477 537 CPM GAGE (signed) HIIR SCH40 SCH40 UNKH FT DRAWDOWN APTER 24 SCREEN CITY: STREERNUILLE STATE: TX ZIP: 76401-CUSTOMER

CUSTOMER

CONTROL

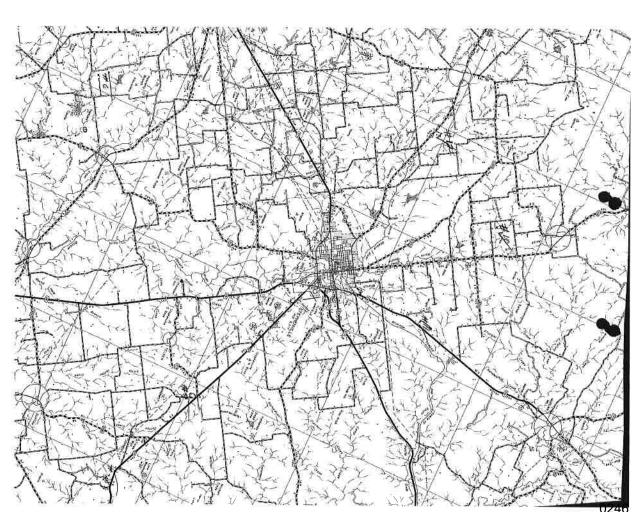
SPEC. STEEL SLEAVE

11) WATER LEVEL: 330 9) CEMBRITING Cemented 0 PT PT. ARTESIAN FLOR: 12) PACEERS: TYPE (REGISTERED DRILLER TRAINEE) Nethod used: CEMBNT-PUMPRD
Cemented by: GARY
Distance to septic field lines: 100+ ft.
Wethod of verification of above distance: GRAVEL PACKED IF GRAVEL.: DATA: from TO 287 ES. FOR TWC USB ONLY
WELL NO.
LOCATED ON MAP PROM 287 NO CHEMICAL ANALYSIS MADE 33 GPM. OCT 0 9 2001 No. 33 of Sacks Used DATE: 09/06/01 DATE: 70 537 70 81,430

DUP

(Signed) Cu Chall Driller)	. C. B	TO DOWN	NAME C.W.Wolf	I hereby cerrify the each and mil of the			below land surface.	Depth to pump bowls, cylinder, jet, ett.	Artesian pressure	Scatte level ft. below land surface	Under reamed Open Hole H) WATER LEVEL:	L Gravel	(Use reverse side if necessary) 7) COMPLETION (Check):	andstone, sandy	350 Sandy Clay, Grave	185 335 Shale, Rock and clay	140 185 Sandy Clay and si	125 140 Rock, Shale, Clay	110 125 Blue Clay	95 110 Rock and Sand	60 95 Sandy Clay	20 40 Rock and Shale	3 20 Red Bed	0 3 Yellow clay and	from To Description and color (fig.) (fig.)		6)WEII 10G: 日本 62 in. Depth drilled	Reconditioning Plugging	3) TYPE OF WORK (Check): New Well X Despening	(Use reverse side (f necessary)	magron 31-46-6	Co.	ch map showing Landmarks, etc.*		2)LOCATION OF WELL:	Landowner T.C.Frost	1) OWNER: Person having well settled Kenneth	Austin, Texas 78711	Sett of Earns topy by certified mail to the Texas Water Development Board P. O. Box 1987
WOLF	orepnenville,	g+ phoneillo	Water Well Drillers Registration Bur	that this well was drilled by me (or under my such a statements herein are true to the best of my	Type of water?	Did any strata c	12) WATER QUALITY: Was a chemical a	ft. Temperature of water	h Date Artesian flow	e Date Baller test	Yield:	Other Was a pump test	11) WILL TESTS:	gravel, clay	1, Sandstone,	lay (inches)	shale Perforated	typs	10) SCREZN:		27	(Inches)	Diameter		color of 9) Casing:	made from 0 ft.above	lled 385 ft. Depth of completed well	Irrigation Test Well Other	4)PROPOSED USE (Check): Domestic X Industrial Municipal	(Kas ans ann am)		Map North Block	roads, creeks, or Give legal locs adjacent section	4 miles to North		Address Weatl	Miller Address Rt #	WATER WILL ALFORT	State of Texas
WOLF DRILLING	Texas		latration be. 559	supervision) and that by knowledge and belief.	depth of strata	contain undesirable water? Yes No.	analysis made? Yes No	ERC R. T.	gpm	gpm with ft.drawdown after hrs.	gpm with ft. drawdown after hrs.	made? Yks No IE yes, by whom?				From (ft.) To (ft.) Size	Slotted					from (ft.) To (ft.) Gago	Setting		New X Steel X Plastic Other	ground level.	11 ft. Date drilled 6/21/75	Cable Jarred Sored	S)TYPE OF WELL (Check): Rotary X Driven Dug	Et) of Section		League	Give legal location with distances and directions from adjacent sections or survey lines.	direction from Stephenville. Texas	or MrD) (City) (State)	Address Weatherford, Texas	Rt # 2 .Stephenville, Texas (Street or RFD) (Street	Received: 25 /	Vell to 3/-47. 8%

Please attach electric log, chemical analysis, and other *Additional instructions on reverse side.



95-141 Bhu Shale COMPANY NAME Killy Learify that I drilled this well (or the well was drilled under my direct supervision) and that each and all of the statements herein are trub and correct. I understand that failure to complete ferms 1 that 19 fail result in the tig(s) being influmed for completion and resubmittal 70-95 Wetter Sund 36 - 70 Red Bak - Apellow Clary 16) WATER QUALITY: 15) WELLTESTS: 14) TYPEPUMP ram (ft) From (ft.) To (ft.) Description and color of formation material

0 ~ \$6 Rock & Calachy ATTENTION OWNER: Confidentiality Privilege Notice on reverse side of Well Owner's copy (pink) JA New Well Deepaning
Reconditioning Plugging 13) Well plugged within 48 hours COUNTY OF WELL SUPPLIES owner Go. Bachus Old you knowingly penetrate any strata which contained undesirable constituents? Tubini Ja Submerable Offinds
Offine
Sophit to pump bowls, cylinder, Jef. etc., 126 n. WELL LOG: Was a chemical analysis made? Typedwater Dephalsitati Typelest Pump & Baser Under Unfamilier Yells Spin with O II. drawdown after Yells minust To (ft) Submersible □ ĕs rening | Industrial | Infgation | Industrial | Infgation | Infgation | Industrial | Infgation | Industrial | Infgation | Infga Please attach electric log, chemical analysis, and other pertinent information, if White - TOLR Yellow - DRILLER Plak - WELL OWNER (Street, RFD ordhar) no mil To refere State of Texas
WELL REPORT STROMETTY STEPHONOULLY TO 76 40 CID LONG. LAS. Stephensile Dia, or Plantic, etc.
(in.) Used Scrop Mg, if commercial

Al Strong Mg, if commercial N 942 11) WATER LEVEL: Static level 20 8 12) PACKERS: 10) SURFACE COMPLETION CASING, BLANK PIPE, AND WELL SCREEN DATA: Specified Surface Stabinstalled
Specified Site Sterve Installed
Pitters Adapter Used
Approved Atternative Proceedure U Methodused 78mb NUTTAL Commented by Property 1 WELL DRILLER'S LICENSE NO. CEMENTING DATA ☐ Undertrained ☐ Gravel Packed ☐ Other Borehole Comple Method of verification of above distance Artesian flow Comeraditors Approved Alternative Procedure Used Storma 60 h to O h . Mi of anche under 4 ion (Check): fl. below land surface and all Open Hole 70401 Type MA CONTRACTOR AND A CON 4 4 105 VINA 0 1 10 60 From Dale Date 2-4-99 Setting (fl.) 31-47-8 Straight Wall 141 3/32 5 141 .23; 10 . Depih (24)

|--|

*Additional instructions

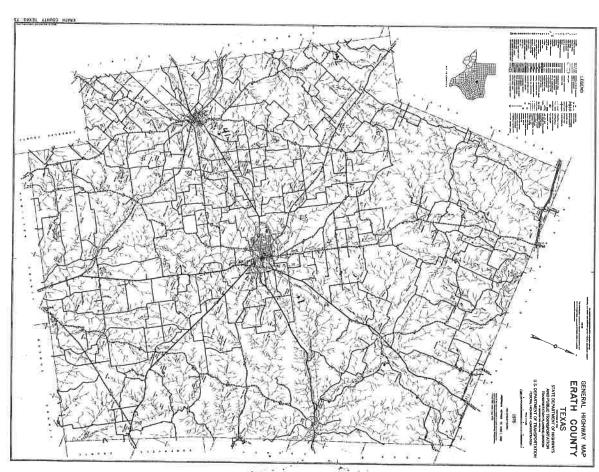
Please strach electric log, chemical analysis, and other pertinent information, if available

Send original copy by certified return receipt requested

.4 to: TDLR, P.O. Box 12157, Austin, TX 78711

	ağe
(0

Texas Water Commission Po.Box,13078,Austin,Texas	sion State Of Texas
 Dwner: Levy Alexander City: De Leon 	Address: 209 E Navar State:Texas Zipcode: 76444
2) County: Erath Location: See Map	Miles: 4 Direction: N From: Stephenville Attached. $31.62.1$
3) Type of work: New Well	posed Use: 5) Drill
6) Date Drilled: Start: 09-04-1993 Finish: 09-04-1993	Diameter of Hole: 7) Bore Hole Completion: 6-1/2 From: 0 To:260 Gravel Packed From: To: Gravel pack From: 15 To:260
10 o	8)Casing: Dia: New,Used: Type: From: To: Gage 4 "New PVC O 260 Sch4
18 150 Shale 150 161 Sand 161 170 Shale 170 260 Sand	Perforation: 4
_1	9) Cementing Data: (Rule 287.44(1) From To No. of Sacks
	HATER COMMISS
	12) Pa Type:
Type Pump:	ersible
14) Well Test: Estin	mated Yield: 40 GPM
hereby certify that each and a wledge and belic lesult in the	at this well was drilled by me(or under my supervis of the statements herein are true to the best of I understand that failure to complete items I thrug(s) being returned for completion and resubmittal.
Company Name: F % F Address: Ft 1 Signed: Jan driller	Drilling Inc. Well Driller's License No. 0231 Driller's License No. 0231 Texas 76444 Trainee
Attention Owner: Confidentiality privon attached letter.	TWC use only: ted on map:



L		и, и аканаріе	estment informatio	and other p	Month of the Committee and your, and other pertinent information, it available			
	nimero)	(Registered Driller Trainer)			Vet Driver)	(Lecented)	9,	
	(42)	(mans)		(Signed)	#	It south	4	(Signed)
	ľ Ę		COMMENT	ury	Granbury	2712 Walnut		ADORESS
lature	DESC OD corner in a failure	1899	1 1	bri each and a submitted WELL DR	Learlify that I drifted this well (or the well was drilled under my direct supervision) and that each and to complete farms thru 16 will result in the logic) being returned for completion and resofamilial conceasive week. Bennett Water Well Drilling well or conceasive well and the second conceasive well as the second conceasive	this well (or the well was drilled under my thru 16 will result in the log(s) being return. Bennett Water Well.	of I drilled this well te idems 1 thru 16	I certify that I drifted to complete items : COMPANY NAME
					3	made? Yes	Was a chemical analysis made?	Was
	SER		FILE IO		Type, Submid REPORT OF UNDESIRABLE WATER. Depth of strate	Tyes, submit REP	Type of water?	¥.
	Depth	Type	ERS:	12) PACKERS:	CONSTRUCTES?		9.7	1 6
1		gg/m,		Arresian flow	hoorisiand and significant	dichards you afrom which	15) WATER GUALITY:	16) WAT
9	Data 5-27-99	II. below land surface	11) WATER LEVEL: Static level 305 II	11) WATER LEV	1. drawdown after 1/2 hrs.	20	Typelast Pump Yold 110 gpm v	Type Yiek
		rocedure Used	Priess Adapter Used Approved Alternative Procedure Used		9	sonts, cylinder, jel, etc.,	15) WELLTESTS:	15) WEL
		N Spirated	10) SURFACE COMPLETION Specified Surface Slab Installed Specified Steel Sleeve (notation)	10) SURE Sp	§ □	el Submersible	TYPEPUMP:	ē ₽ □□
ļ		ove of strange	mention of version of above distance	OUTBER				
(-)	48.1	Distance to septic system field lines or other concentrated contamination $\overline{\mathrm{MA}}$	ce lo septic system fle	Distan	6	From (fl)	To (ft)	From (ft)
		Company	Methodized CONVENT	Melho	Cementhersonic placed in well: Sacks used:	Censon hours	13) Well plugged within 48 hours stirg left in well: Cement/herst	Casing left in well
	1 1	"	300		(Use reverse side of Well Owner's copy, if necessary)	side of Well Owne	MINORAL REDJ	
	No. of sacks used 21	n.lo 50 n.	ç		tan .	sand	422	328
			CENTRAL CATA	2		clay	328	212
				+		CLAY	212	80
						lime	58	34
	4		53			clay	34	28
Casting	From To	annorce i	Perf. Skrited, etc.	Dia Dia	e Laii	shale	28	24
	Setting (III.)	en n	Steel Plastic	Non		clay	3 0	14
	4	WELL SCREEN DATA:	CASING, BLANK PIPE AND WELL	CASING.	:ec	sand	14	ų
•	n to 440	in interval from 315	If Gravel Packed give Interval from		e 422-440 Ked Clay	shale	400	oa c
_	le Straight Wali	8		9)	on and	Description	J To(ft.)	From (ft.)
Z,		Gable Tool Uelled	immor [/4 Surface 4	19 <u>99</u> 27 19 <u>99</u>	Started 5=26	CO FIS
		0		7) DRIL	DIA (in) From (ii) To (it.)		WELL LOG: Daile Drilling:	5 ×
*		Soil Boung Domestic 	D TE	Monitor	(4) PROPOSEDUSE(Check): Monitor Environment	Despening Phygging	New Well DR Reconditioning P	D:0 :
	, 31-55-2	281 (Zip) Gild#	lle off 281	tephenvil	(Stroot, RFD or other)		County ETACS	
(Zip)	le TX	0 Stephenvil	(Sm)	20 27	Station	S Experiment	OWNER TOXAS EXPERI	2) 1 Ab 04
	Austin, TX 78711 612-463-7880		RT	REPO	WELL REPORT	.,,		10
3 Bu	epariment of Licensin Regulation	Texas D	Ţ.	State of Texas	State	29 side	Privilege Motice on reverse side of Well Owner's copy (ain)	Privileg of Well
						the and of change black do be	ALVEN UMPERSON	Marra

4	reation, if available.	is, and other pertinent info	hemica
Dellice	Dowell Me	, items	(Signed) W White
16/25	brein are true to the base of the insorted and belief Value wall defines Registration to. Styphen U///e		AND WEST OF THE STATE OF THE ST
e water? Yes No.	Did any strata contain undesirable vater? Type of uster? depth of		
Yes Not	12) WATER QUALITY: "Age a chemical analysis mado?	1	below land surface.
	Artesian flow gpm Temperature of water	280 ft.	Artesian pressure
ft. drawdown after 4 hrs.	Bailer rest 3 Ages with ()	réace Data <u> </u>	8) WATER LEVEL: SOO et. below land surface
If yes, by whom?	bend cost and	† Criedly	Under reamed Open Hole
			cck)
			410 man
To (fr.) Stee	(inches) From (ft.)		395 455 Clar
Slotted	150		085
	10) SCHIEN-		3/5-340 Orac
100	N 84.8		270 6
420 .118			1
To (ft.) Car	(inches) From (ft.)		K-less class
fr. to 20 fr.	f from		
Flantic	these , pio odd;	n witerial	(fc.) Description
	ound	surements made from	Hof 11 in
ft. Date drilled/-21-23	Depth of completed well 420	7	6) WELL LOG: 7 1/8 in. Depth
В	Other Cable	lerigation _ Test Well	Reconditioning Plugging
Driven Dug	Numicipal, Syrre of Rotage	4)FROPOSED USE (Check): Domestic Industrial	3) TYPE OF WORK (Check): New Well Deepening
	(NW & NE & SW & SE &) of Section		(Use revorse side if necessary)
Survey	Block	North	0 2 0
League	adjacent sections or survey lines.		haven number, etc.+
Cream directions from	4 (2)	roads, creeks,	by sketch map showing landmarks,
Shockenil	WE.	//_	EDUCATION OF WELL: FRATA
adle	Deimanderen Marian (81) Haur	Alge jeal tarok X	Person having well drilled / C/AS tandowner (News)
de			1) GENTS.
uestives 27 1 N	Texag	State of Texas	curtified mail to the team Water Development Board . 0. Box 1308.
31.55 2N			

*Additional instructions on coverse side.

The sketch showing the well location must be as accurate as possible, showing lambarks, in sufficient detail so that the well may be plotted on a General Highway Map of the county in which the well is located.

Reference points from which distances are measured and directions given should be of a parament nature (e.g. highway intersections, omitte of tamas, river and creek bridges, railroad crussings). The distance and direction from the nearest norm should always be indicated.

Information furnished in Section 2) of the IVDBE-GM-53 is very important. Unless the well can be accurately located on a cope the value of the other data contained in the Report is greatly reduced. When giving a legal description include a sketch showing location of the well within the described area, e.g. survey abstract,

JAN2 3 1975 TEXP STATION 口 STERILE N VILLE

D W

ADDRESS P.O. Soy 558 COMPANY NAME DOWE ! Well Security Tat. Water Wall Driller's License No. Please use black ink.
Send original copy by
certified meil to the
Texas Water Commission
P.O. Box 13087
Austin, Texas 78711 Orliter must somplete the legal description to the left with distincts and direction from two intersecting two filter arrange lines, or in must forcite and identify the level on an official disparance or facilisated texas County. If (3) sentral Highman Map and attach the must be this form. 2) LOCATION OF WELL: ☐ Reconditioning ☐ Plugging 3) TYPE OF WORK (Check): 1) OWNER FORDON 240-290 Compliand 12:38 1985 1014 1 WELL LOG: WATER QUALITY: I here by certify that this well was drilled by me (or under my supervision) and that eich and all of the statements herein are true to the best of my knowledge and beliefy. I understand that feliure to complete forms I thru 12 will result in the logic) being resurmed for completion and resubmitts. 12-27 (Use reverse side if necessary) THE AS WATER CO MANGEON 1985 MAY 2 9 1986 TAYlOR □Domestic 및Industrial □Monitor □Public Supply 4) PROPOSED USE (Check): Airrigation Test Well Dinjection Dother___ chitechy Dowell Synd ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side DIAMETER OF HOLE WATER WELL REPORT Stephenville See attached map. To (IL) Distance and direction from two intersecting section or survey lines Abstract No. INE SW. TE 134 N Steel Stothed 14) WELL TESTS: 13) TYPE PUMP: SI CEMENTING DATA [Ruis 319,44(b)]
Committed from C It. to 20 ft. No. of Sacts Used 7 12) PACKERS: 11) WATER LEVEL: 10) SURFACE COMPLETION B) CASING, BLANK PIPE, AND WELL SCREEN DATA: 7) BOREHOLE COMPLETION: Specified Surface Steb Installed [Rule 319,44(c)]
Pitless Adapter Used [Rule 319,44(d)]
Approved Alternative Procedure Used [Rule 319,71] Turbine Depth to pump bowls, cylinder, jet, etc., Open Hole
Gravel Packed O Other Comment by Down Well Sexuice Type Test: If Gravel Packed give interval ... from Static level 350 ft. below land surface Charlotte Stepheny, lle Pump □ Jet - direction from Strokenville 5) DRILLING METHOD (Check): Survey Name 1881 Air Rotary Cable Tool Other Mud Rotary ☐ Air Hammer ☐ Jetted ☐ Bored Straight Wall Tex. □ Bailer ₩ Submersible Type _ Township Well No. 770 tt 10 430 tt □Jetted Texæs Water Well Drillers Board P. O. Box 13087 Austin, Texas 78711 Setting (ft.) Date ☐ Undirreamed 74401 ☐ Cylinder □ Estimated 950 TEX 7640[Take

TWC-0392 (Rev. 06-10-85)

Please attach electric log, chemical analysis, and other pertinent information, if available.

E BEETTE ...

SI

AUG 22 1574

DEVELOTION BOCCO

المستت المنطقة المناشئين المناجل

Bertal Brads

TEXAS WATER COMMISSION COPY

State of Texas

GENERAL HIGHWAY MAP TEXAS
STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION
TRANSPORT 197%

COMPANY NAME ease attach electric log, chemical analysis, and other perthent 14) WELL TESTS: 15) WATER QUALITY: Date Drilling: | 0 - 18 | 50 | Dia. (g). | Fram (ft.) | To (ft.) |
Started | 0 - 23 | 1985 | 6 /14 | Surface | 4/3-6 | " OWNER Best ☐ Reconditioning ☐ Plugging ☐ LEGAL DESCRIPTION: Driller must complete the legal description below with distance and direction from two interest Cuarter- or Half-Scale Texas County General Highway Map and attach the map to this form. U Turbine BEE ATTACHED WAP # 10 Dot me defining-anoretion any smalls which constituted undestrable constitutents?

If you, glands "HEPORT OF UNDESTRABLE WATER"
Type of water? The Analysis made? If yes the property of the Constitutent analysis made? If yes the Constitutent analysis made? Type Test Pump Depth to pump bowls, cylinder, jet, etc., 399 n. APR 4 TYPE OF WORK (Check): (Lipsed wall Drill From (ft.) COUNTY BOATA . Section No. Block No. Township Disjurce and direction from two intersecting section or survey lines ler 🗆 To (ft.) DESCRIPTION OF THE PROPERTY OF Description and color of formation material PRIDESED USE (Chack):
 Domestic Industrial
 Irrigation ITest Well runder my supervision) and that each and all of the statements herein are true to the best of my into the bottle mund for completion and resultential.

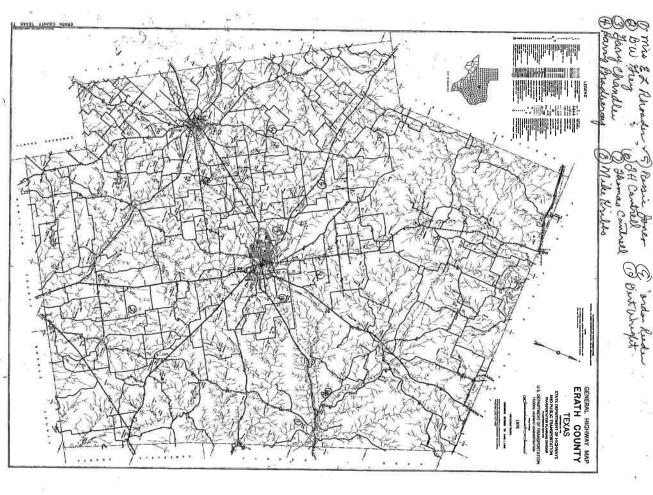
WELL DRILLER'S LICENSE NO. 1352 on 31-48-6 & Koch TEXAS WATER COMMISSION COPY State of Texas
WELL REPORT ☐ Monitor
☐ Injection ADDRESS AT A New Steel, Plastic, etc. (In.) Used Screen Mig. J. comm WELL DRILLER'S LICENSE NO. Abstract No. 12) PACKERS: Sato level 30 / 8) CASING, BLANK PIPE, AND WELL SCREEN DATA: icting section or survey lines, or he must became and identify the well on an official De-Watering CEMENTING DATA | Rule 287.44(1)|
Comented from 1.20 ft. to 0 n. No. of Sacta Used Artesian flow If Gravel Packed give interval . . . from BOREHOLS COMPLETION: Gravel Packed Desen Hole For TWC use only: Well No. 31-47-8 Located on map Rottel Bracion tram Suplienarell Juckemy ft. below land surface DRILLING METHOD (Check): Driven

Carolia Rossy | Air Hammer | Jered | Bered

Air Rossy | Cable Tool | Other | Other Strafght Wall Registered Driller Trainee) 456 Survey Name physica x 7600 gpm. 45 Sep 401 Texas Water Well Drillers Board
P.O. Box 13087
Auctin, Texas 78711 From 76401 and bellef. I understand Date 7, 10 6275 10-23-80 00 Gage Cassing Screen 0

ATTENTION OWNER: Confidentially Privilege Notice on Reverse Side

Jon, P.O. Box 13087, Austin, Texas 78711



Address P.O. Box	Company or individual's Name (type or print)	If) Water Quality Did you knowingly perictive a strata which contain undestrable constituents, Did you knowingly perictive a strata which contain undestrable CUNDESIRABLE WATER Depth of Strata Depth of Strata Pass a chemical analysis made Pass P	Depth to pump basels, evilinder, at etc. 15) Water Test Typetest Pump Bailer B Jetted Vield:	14) Type Pump O Turbine O Other	(Use reve		350 9		E WAR	230 2	1	O	From (ft) To (ft)	6) Drilling Date Started / Completed / 0 / 25		3) Type of Work	County ERATA	LIARRY REAVIS	DOWNER	Confidentially Privilege Notice on reverse side of owner's copy.
HON	al's Name (type c	rate a strata which control did you submit a REPC De De		Jet Ø Sub	evense side of Well Owner's copy, If nec Well plugged within 48 hours Cement(Bentonite placed in well; To fft) From (ft) To (ft)		300 Ka			200	363	5 70		0 -	Reconditioning 4) Despening	Lat	3			ø,
	r print) Bue	ntain undesirable cor PORT OF UNDESIR Depth of Strata	L Estimated	Submersible □ Cylinder	(Use reverse side of Well Owner's copy, If necessary) Well plugged within 48 hours Out Cement/Bentonite placed in well. To (ft) From (ft) To (ft)	٩	Jan Si	a	Red Blu Chy	R.S. WARR	Calm	pool	Description and color of formation material	Diameter of Hole Dia(in) From (ft)	4) Proposed Use (Industrial Trig Rig Supply	-	Physical Address リス・オント・シター ル	1001 & Rock	A STATE OF	Water Well Driller/Pump Installer Program O. Box 12157 Austin, Texas 18711 (512)463-7880 FAX (512)463-8616 Toll free [800)803-9202 Email address: water.well@licenes.state.tx.us WELL REPORT
	off well	istituents (ABLE WATER	\$	4	V) Sacks used	-	1 Black						rmation materia	of Hole To (ft)	e (check) Monitor Irrigation Injection (If Public Suppl		(N	* Cauc		Water Well Driller/Fump installer Program 57 Austin, Texas 78711 (5121465-7880 FAX (t 75 Tol free (800)603-9202 Email address: water, well@license, state, tx.us WELL REPORT
City Step howo	SERVICE	12片景に続き	11) Wate Suffelest Ameson Fic	10) Surfa Specified Specified Specified Approved		9) Cementing Cementing from				Dia.	Casing,	If Gravel i	00	7) Drilling Meth Air Rotary Air Hammer Other	* D =	=	Stepheno.	Round 1		Water Well Driller/Pump Installer Program Austin, Texas 7871 15121463-7880 FAX (5) Toll free (800)803-9202 mail address: water.well@lioense.state.tx.us WELL REPORT
10.11c		Jille # a	II) Water Level Surgices 1340 h below Annesan Flow gpm.	10) Surface Completion Superified Surface Slab Installed Specified Surface Sleve Installed Optiess Adapter Used Approved Alternative Procedure Used		Data			Н	Or Perf., Slotted, etc	Casing, Blank Pipe, and Well Screen Data	If Gravel Packed elve the interval from COO fr. to	8) Barehole Completion	7) Drilling Method (check) Air Rotary Mud Rotary Air Hammer Cable Tool Other	☐ Environmental Soil Borning ☑ Domestic Public Supply ☐ De-watering ☐ Test well, were plans submitted ☐ Yes ☐ 1		i.The	Rock		m AX (512)463-86. tx.us
State TY	Lic. No. 1891		Date 700 a	ed illed ire Used	Uest Service rother concentrated contains distance	10 30 O A #				mmercial	d Well Screen I	val from Seco	☐ Open Hole	c) Driven cy Bored cy Jetted	Testwell	Grid# 3/	Z Sign	Z iii		
Zip 7640/	11	Depth	5760		contamination fi	# of sacks used (S			440	From To Screen		Other Contract	Straight Wall	-	5	8-66-	7640 /	78664		this total fittes to configerate and filled with the department and owner within 60 days upon completion of the well

TDLR FORM 5001 WWD

White - TDLR

Pink - Driller/Pump Installer

TWC-0392 (Rev- 06-10-85) TEXAS WATER COMMISSION COPY

	Please attach electric log, chemical analysis, and other pertinent information, if available.	
	Richy (Signed)	
	76/101	
	20	
	I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and beligt. Understand that failure to complete items I than 12 will result in the logist) being returned for completion and resulpnists.	_
(signed) Julicense mars wat of	Did you knownijky penetryk any stratu aktolic contained undericable (14) WELL TESTS: water? Yes Off (of Usbestinaste WATER* Type of seath? Supplies the Supplies of Supplies the Supp	
I BERRBY CRETIFY THAT THIS WELL HAS DRILLING AND I ARE TRUE TO THE HEST OF AY LEADING AND LOCKY RECEIVED.	reverse side if necessary)	
ADDRESS: P.O. BOX 16 CITY:	IEXAS WATER COMMINSCIA.	10000
COMPANA NAME OF CHOSTAGED SERVICES	APR - 8 1987 Xuching /50	
TYPE OF WATER:	J 12 PACKERS: Type	
SUBMERISTIBLE DEPTE TO PUMP: 380	414 -419 1364 36402 Stationer 372 ft. below land surface Date	
13) TIPE PUNP:	4 Water Son 2+ Breast	
498 537 CLAY SHALE		
	1 40 3 /5 Walker Janes IN SURFACE COMPLETION	
335 347 HIUE SAMDY CLAY SAMDSTONE 347 425 SAMD-GRAVEL	Comented by	100
275 325 BLUE SANDY CLAY RED CLAY 325 335 SAND-GRAVEL	340 Blue Starp. Harried and 7 Hales 44 Comment	
220 275	9) CEMENTING DATA File 3:9 44(b)) Comented from 150(t, to 0 ft, No of	
30 150 RED AND BEUE CLAY SAND SANDY 150 195 RED AND BEUE CLAY	40-125 Blue Shules	
0 1 TOP SOIL 1 30 SANDY CLAY CALICHE SAND	16-40 San Roch Stalled 396-419 5/32	
GEOLOGICAL DESCRIPTION: FROM TO DESCRIPTION	8m2 0-419	
	To Description and color of formation 81 CASING, 8 (ft.)	
W PLASTIC, SLOTTED	190/	
CASING, BLANK PIPE, AND WELL SCREEN DATA. DIA NEW/USED DESCRIPTION LASTIC, BLANK	50	
COMPLETED: 09/06/01	ection 🗆	
DI2	RK (Check):	
5 WELL LOG: 00789 DIAMETER OF 1	#5. See attuened map. OO 31	
City. State. 3to code: STRPERWILLS TYPE OF MORE: NEW MELL 3) TYPE OF MORE: NEW MELL	Abtract to . Survey Harres well on an official Dustries or \$4.05 Survey Harres well on an official Dustries or \$4.05 Survey Harres General Highway Map and stract the map to this form. Dispose and direction from two investeding section or survey lines	
I) ADDRESS OF WELL: COUNTY: ERATH COUNTY: ERATH COUNTY: ERATH	☐ Legal description: Section No	
Privilege Rotice on Reverse Side ADDR	miles in (N,E,S)W, and direction from	
ATTENTION OWNER: Confidentiality	(Numa) Address (Simula RED) (Numa) (City)	
	The last of the same state of	
	Certified mail to the FACT WELL REPORT P.O. 80x 13087 Toxas Weter Commission ATTENTION OWNER: Confidentiality Privilege Notice on Reserve Side Austin, Texas 78711 Austin, Texas 78711 Austin, Texas 78711	

STATE OF TREAS

HATER WHILE PEPORT

URBSS: 2488 CR 175 PILLER) AND BY ME (OR UNDER MY SUPERVISION) AND THAT EACE AND ALL OF THE STATEMENTS ERREIN SALEST. I UNDERSTAND THAT FAILURE TO COMPLETE ITEMS 1 TERU 15 WILL RESULT IN THE ASCENITIAL. CLAY DEPTE OF STRATA: TRATED PROPOSED USE DOMESTIC
PROPOSED USE DOMESTIC
PROPOSED USE DOMESTIC
PROPOSED USE DOMESTIC
PROPOSED USE TO DETECTION:
| 10 DETECTION: | 8) BORESOLE COMPLETION: 14) WELL TEST:

PUNP
TIELD: 16 GEM WITH UNEM ET DRAWDOWN AFTER 24 HRS WATER WELL DRILLER'S LICENSE NO.: 2404 STEPHENVILLE STATE: TX ZIP CODE: 76401 FROM 0 477 10 477 537 AIR ROTERY GAGE CASING SCREEN SCH40 SCH40 (signed) CITY: STRPBENVILLE STATE: TX ZIP: 76401-S) CEMBETING DATA:

(Cemented from
Cemented from
Cemented from
PT. TO ST PT.
Method used: CEMBET-PUMPED
Cemented by: GARY
Distance to septic field lines: 100+ ft.
Hethod of everification of above distance:
CENTUMEN
101 STRACE COMPLETION:
SPEC. CENTUMEN
111 NATER LATEL. SHANNY
STRIC LEVEL: 330 PT. DATE: 09/06/01
ACTESTIN TON:
CEM. DATE: DATE: DATE: (REGISTERED DRILLER TRAINER) GRAVEL PACKED IF GRAVEL... POR THE USB ONLY
WELL NO.
LOCATED ON MAP PROM 287 HO CHEMICAL AMALYSIS NADE OCT 0 9 2001 313 . TO 537

7

State of Texas

Texas Water Well Drillers Board P. O. Box 13087 Austin, Texas 78711

A New Well ADD RESS P.O. 15) WATER QUALITY:

Did your Knowingly spectrate which contained underlable water?

O'NE ANO
IT was automit "REPORT OF UNDESTRABLE WATER" 30-30 COMPANY NAMEDOW SIL WOLL SERVICE WILL DATES LICENSE NO. 000-08 Date Drilling: Please attach electric log, chemical analysis, and other pertinent information, if available. (Signed) Orlide must complist the legal discreption to the right with distance and direction from which interescing services the legal discreption from the interescing services of the restriction of survey lines, or he must locate and identify the 1265 Abstract No. Survey Name with one of official Charlesco et Michael Treat County 265 Abstract No. Survey Name S B) WELL LOG: 0-100 ☐ Reconditioning ☐ Plugging Type of water? _____ Depth of High ____ Yes ____ No. TYPE OF WORK (Check): I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that felture to complete Items 1 thru 12 will result in the logish being returned for completion and resubmitted. ₹7 Shake + Sardy Clay
Shake
Clay
Spool
Clay RK (Check): 4) PROPOSED USE (Check):

Desponing Domestic Chacterial Chachtor Chicksupply

Desponing Christiantics Teat Well Chajection Chack Box 558 (Use reverse side if necessary) 381393 VERSE WATER COMMISSION 6/2 0 280 SEP 0 6 1988 DIAMETER OF HOLE and color of formation material Stephinielle) San attached map. ON 31-54-3 (Signed) 14) WELL TESTS: 13) TYPE PUMP: 4 N PVC point 7) BOREHOLE COMPLETION: 12) PACKERS: 10) SURFACE COMPLETION
Specified Surface State Installed [Rule 319.44(c)]
Pittess Adapter Used [Rule 319.44(d)] 8) CASING, BLANK PIPE, AND WELL SCREEN DATA: 11) WATER LEVEL: Gravel Packed Other Crom 2200 It. to 2800 ft. ☐ Turbine Depth to pump bowls, cylinder, jet, etc., Other_ ☐ Approved Alternative Procedure Used [Rule 319.71] Yield: Type Test: Artesian flow___ Static level _220_ft. below land surfece (Registered Driller Trainee) - Pump Air Rotary Cable Tool Cother 5) DRILLING METHOD (Check): Della gpm with __ □Mud Rotary □ Air Hammer □ Jetted □ Bored 168 tt. drawdown after ______hrs. Submersible Type or TWC use only 7 - 8 O 380 Sch 46 76401 Setting (ft.) Date. Cylinder Driven

WVD-012 (Rev. 01-28-87)

TEXAS WATER COMMISSION COPY

AX37 YTRUCO HIAN3		W JANES	Can't	1	
hand !	ATT				(REGEN)
					•
				The state of the s	
The day	CATALLY AND A STATE OF THE STAT				
THE STATE OF THE S	不可以	- Ta	47		\$ 1 m
19 HE				THE	
			ALC BERTLE		
	成战為	大學	大学		7: W
					· _
			BATT		
	对了大				STATE DI ANDRE IL STATE DI AND
1				TO Y	ERATH COUNTY ERATH COUNTY TEXAS SIATE DEVANDER OF HIGHWAYS AND RULE TRANSPORTATION TO REPORT THE TRANSP
A		全性	- Table 38		UNTY

Please use black link,
Sand original copy by
certified mail to the
Taxes Water Commission
P.C. Box 13087
Austin, Texas 78711

2) LOCATION OF WELL;

4

miles in

(N.E., S.W., etc.)

direction from

5'0,11e

Statul

(Street or RFD)

TI OMNER BILL

Lux ll

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

WATER WELL REPORT

Texas Water Well Drillers Board P. O. Box 13087 Austin, Texas 78711

State of Texas

Send original copy by deritified bail to the Texts Mater Development Board P. O. Box 1987 Austin, Texas 78711 STEPHEN YILLS OPTIMED THE CASE Static level 300 it. below land surface Date 5-22-76 Dismeter of hole New Hell Deeparing (Use reverse side if necessary) COUNTY OF WILL Person haring will settled TEXAS Agricultural Exp. Sta., address, P.O. Box. 292. Stephemoille TX. below land surface, Depth to pump bowls, cylinder, 1st | stellet. | 380 Straight wall Voravel packed 310 - 345 180 - 210 210 - 235 235- 250 Reconditioning Plugging undowner Ex. Agricultural Experiment Sta. Artesian pressure 250-265 60-180 20 - 60 Cline revocese side it excession STATION HOSK (Check). Days lbs. por square inch Date X 558 I hereby certify that this well was detiled by me (or under my supervision) and that each and all of the statements becain are true to the best of my knowledge and belief. Phiplit & Blue Clay

Blue Clay & Cool

Sandy blue & yellow char

Sandy Rock & Sandy Char

Sandy Clay & Grave Open Hole in. Depth drilled 400 ft. Depth of completed well 400 ft. Date drilled 5/82/76 SANDY CLAY Clay Sand Sander (1808) Description and color of formation material Slue Shale All measurements made from 4)FROPOSED USE (Check): Domentia Indpactal lies 2491 1897 Military (Oney) WATER WELL REPORT Str. PHEMOILLE State of Texas niles in Water Well Stillers Registration to. 1268 Davel Well Service, Inc. 0 12) WATER QUALITY:
Was a chemical analysis mado? ?) Casing: Type: Old Perforated Cemented from resperature of water Type of water? Artesian flow Bailer cest Kpm with Kield: 150 gpm with 20 ft. drawdown after 24hrs. Did may scratz contain underigable water? Was a pump test made? (WHY MET SMY SEY) OF SWEETER Abstract No. Give legal location with distances and directions from adjacent sections or survey lines. Other Municipal ft.above ground level. N (Teen) (Treetion from 5+89 H8m0; 118 SAME AS ABOVE From (ft.) TEXAS 76401 from (ft.) Settling To (ft.) þ S)TUDE OF WELL (Check): Driven Cable £ 1 Steel depth of strate fe.drawdown after ____hrs. _tt. to 100 400 Yus To (ft.) Survey_ Joseph Lasgue . Slotted For TADE use and Very By Coasted in The Same Very Secretarial To Very Secretaria Secretaria Secretaria Secretaria Secretaria Secretaria Secre Plastic MODUWALC Ko2 B Brid 5100 (State) P

Z) LOCATION OF WELL:

The sketch showing the well location must be an accurate as possible, showing landmarks, in sufficient detail so that well may be plotted on a General Highway Map of the county to which the well is located.

Reference points from which distances are measured and directions, given should be of a permanent nature (e.g. highway intersections, center of forms, river and creek bridges, railroad crossings). The distance and direction from the searcest from should always be indicated by

When giving a legal description include a sketch showing location of the well within the described area, e.g. survey distract, information furnished in Section 2) of the TMDET-GM-53 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced.

No. 6 WELL Log

345- 365 Gravel (Clay 365- 375 SAND Stare, SANDY Clay 375- 392 Gravel (Clay 392- 400 RED BED

TEXAS WATER DEVELOPMENT BOARD

Texas Water Development Board

NOV 1 8 1976 Central Records

RECEIVED AUG 11 1976

*Additional instructions on reverse sids,

Please attach electric log, chemical abalysis, and other pertinent information, if available:

ATTENTION DAMER: Confidentiality

Privilege Notice on Reverse Side

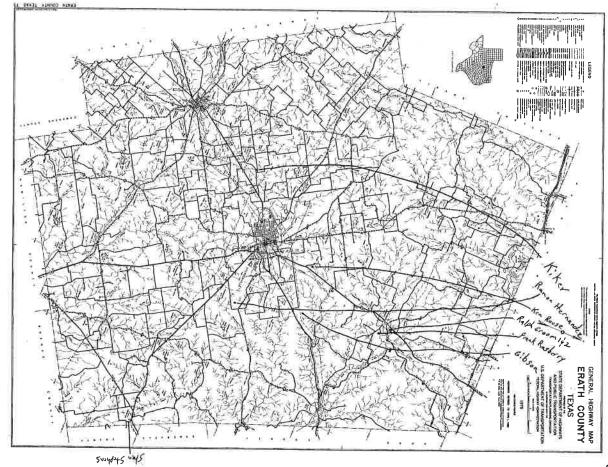
1) DAMER: ROUSE, KDN

2) LOCATION OF WELL: County FRATH

LEGAL DESCRIPTION

SEE ATTROVED HAP 13) TYPE PUMP: SUBMERSIBLE GEOLOGICAL DESCRIPTION:
FROM TO DESCRIPTION
O 2 TOP SOIL AND ROCK
2 5 RED CLAY DATE DRILLING: STARTED: 07/05/93 COMPLETED: 07/06/93 (signed) I HEREBY CERTIFY THAT THIS WELL HAS DRILLED BY ME (DR. DNOER MY SUPERVISION) AND THAT EACH AND ALL OF THE STATEMENTS HEREIN ARE TRUE TO THE BEST OF MY ANDWLEDGE AND BELIEF. I UNDERSTAND THAT FAILURE TO COMPLETE ITEMS I THRU IS WILL RESULT IN THE LOG(S) BEING RETURNED. A PROPRIETION AND RESURNITIAL. COMPANY NAME: ASSOCIATED SERVICES ADDRESS: P.O. BOX 16 15) WATER QUALITY: TYPE OF WATER: B) CASING, BLANK PIPE, AND WELL SCREEN DATA: DIA NEW/USED DESCRIPTION = F 6) WELL LOG: 00060 3) TYPE OF WORK: HEW WELL . NO STRATA OF UNDESTRABLE WATER PENETRATED DEPTH TO PUMP: 360 15 CALICHE
70 SANO AND GREY CLAY
80 GUUE AND RED CLAY
240 SHALE AND GREY CLAY
280 SANDY CLAY SAND SHALE
320 GREY CLAY AND SHALE
320 GREY CLAY AND SHALE
330 GREY AND RED CLAY
390 GREY AND RED CLAY PVC, BLANK PVC/ SLOTTED DIAMETER OF HOLE DIAMETER 6.75 CITY: STEPHENVILLE ADDRESS: RT.2 BOX 281P 4) PROPOSED USE; DOMESTIC 14) WELL TEST: SCH 10 CONTROL OF THE CAST HE WATER MELL DRILLER'S LICENSE NO.: 2404
FEPHENVILLE STATE: TX ZIP CODE: 76401 YIELD: 12 GPM WITH UNK FT DRANDOWN AFTER 24 HRS FROM 2 BOX 281P CITY: STEPHENVILLE TEXAS WATER COMMISSION CONFICER SLEEVE m NOV U 1 1993 STATE OF TEXAS (signed) 50 55 _ 7) BOREHOLE METHOD: GRAVEL PACKED

IF GRAVEL... =رتينا Cemented from FT. TO 330 FT. FT. TO FT. TO FT. 12) PACKERS: 11) WATER LEVELS 9) CENERTING DATA: (REGISTERED DRILLER TRAINEE) Digithod used: CENEXT- PUMPED STATIC LEVEL : 320 Camented by: BILLY, COLTON & GARY ARTESIAN FLOM: 5) DRILLING METHOD: MUD ROTARY FROM 330 HELL NO. LOCATED ON MAP 31.47.8 HOKE FI. TO 390 FI_: TO STATE: IX NO CHENICAL ANALYSIS MADE GPH. No. of Sacks Used 33 219: 76401-31.47.6 DATE: DATE: 07/08/93 DEPTH



14) WELL TESTS:

Type Test Pump

Yield: 100 ppm with WVD-012 (Rev. 09/21/88) hereby certify that this well-was defined by me (or under my hart failure to complete liters) that is will result of the logist Started 10-18
Completed 10-23 15) WATER QUALITY: Ophin pump bowin, cylinder, jet, etc., 397 r. APPR 4 990 is) SURFACE COMPLETION

Oppin to pump bowin, cylinder, jet, etc., 397 r.

Specified Surface such resulted (Pule 287.44(2)(A))

WELL TESTS:

Proce test:

Opening Dump

Danier

Danier ☐ Turbine stach electric log, chemical analysis, and other perthent info From (ft.) 18r 6/1 Surface Sun Rock cription and color of formation material dylinder 1303(0 TEXAS WATER COMMISSION COPY t) and that each and all of the statements herein are true to the best of my kind irried for completion and resubmittal. TO THE WELL DRILLER'S LICENSE NO. m 12) PACKERS: SEED IN SEED I white died The la water CEMENTING DATA [PL/a 287, 44(1)]
Climanized from 1.20 tt. to 0.1. No. of Sacks Used . Artesian flow CASING, BLANK PIPE, AND WELL SCREEN DATA: For TWC use only: inted by Steel, Plastic, etc. Perf., Slotted, etc. Screen Mig., if comm Other Well No. 31-47-8 Localed on map (Registered Driller Trainee) gpm. 404 Fall 0 429 Setting (ft.) □Underreamed 10326 Pages Used Comes uner __ Jemed __ Bored of __ Other __ and belief. I understand Date 100 429 200 10-23-8 ò 351

O mis Ex Avad O ow Hay Down Chandles Madheron (8) Resis Bores (B) OH Cantrell Brumas Cantrell B) Mike Willes But wanget. GENERAL HIGHWAY MAP TEXAS
TEXAS
TEXAS
TEXAS
TEXAS
TO TRUE CONTROL TO THE CONTROL TO THE CONTROL TH 1976

send original copy by certified mail to: Texas Water Con.

Jon, P.O. Box 13087, Austin, Texas 78711

State of Texas
WELL REPORT

ADDRESS RE 3

modeli

なってび

Taxas Water Well Drillers Board P.O. Box 13087 Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

Duarter- or Half-Scale Texas County General Highway Map and strach the map to this form.

order must complete the legal description below with distance and direction from two loases.

eding section or survey lines, or he must beam and identify the well on an official

Survey Name

County 6 MELL:

☐ Reconditioning ☐ Plugging

TYPE OF WORK (Check):

PROPOSED USE (Check):
 Dindustrial

☐ Infigation ☐ Test Well

□ Injection

De-Walering

Detail Rolley Air Hamme

Y Air Hammer

Air Rotary

BSEE ATTACHED MAP # 10 .

Distance and direction from two interes

acting section or survey lines on 31.48-6

Block No.

TEXAS WATER COMMISSION COPY

WHD-012 [Plev 05-18-90]

14) WELL TESTS: Bruno COMPANY NAME SSEAGG 13) TYPE PUMP: 15) WATER QUALITY: reby pertly that this well was dried by the (prunderity suspension) and that each and all of the statements french are the to the best of my knowledge and be 4.1 I independently better to compensionand french are the best of my knowledge and be 4.1 I independently compensionand responsible along its properties. De you order by Soperate any strate which construent construents or straints?

Di You Bind if you stained the Point Of Lindest RABLE is From (%) attach electricing, chemical straysis, and other perthent Type of water? Trace LS portion Was a dhemical analysis made? 💮 Yes To (11) U Jai STATE STATE STATE OF # 1991 SUPPLY THE POST OF UNDESIRABLE WATER 19 65 26 Commontator Supmerside Description and polor of formation material Yes Zino State Blue Clay 7 6 CO. CONTRACTOR OF THE PARTY OF THE Con Transfer Cho □ cylincer To the N 22 (Signed) WELL DRILLER'S LICENSE NO. 12) PACKERS: state and 370 is show and surside 8) CASING, BLANK PIPE, AND WELL SCREEN DATA: 10) SURFACE COMPLETION Sopried Sames Sate Instance: Figure 287 44(2)(A)
Sopried Sien Seeve instance: [Figure 287 44(2)(A)]
Press Adaptive Used: [Figure 287 44(3)(B)]
Adoptived Arismitative Propositive Used: [Rule 287.71] Award used A Charles T No of Sacks Used Commented by Charles T William T No of Sacks Used COMMING THAT I PLAN SHE HALL) MiGravial Padved give interval For TWC care only Story Plason will Part Storged est Well No. TO. 1 Type 300 13 3HO No of Sacki Used Date Date 6-8-92 0.21 Death Screen Cassuct Cases

13) TYPE PUMP: SUBMERSIBLE DEPTH TO PUMP: 260

14) WELL TEST:

YIELD: 10 GPM WITH UNK FT DRAWDOWN AFTER 24 HRS

15) WATER QUALITY: TYPE OF WATER:

TYPE OF MATER:

NO STRATA DE UNDESTRABLE MATER PENETRATED

COMPANY NAME: ASSOCIATED SERVICES ADDRESS: P.O. BOX 16

CITY: STEPHENVILLE

WATER WELL DRILLER'S LICENSE NO.: 2404

STATE: TX ZIP CODE: 76401

HELL NO. FOR THE USE ONLY

NO CHEMICAL ANALYSIS MADE

I HEREBY CERTIFY THAT THIS WELL MAS DRILLED BY ME (OR UNDER MY SUPERVISION) AND THAT EACH AND ALL OF THE STATEMENTS HEREIN ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I UNDERSTAND THAT FAILURE TO COMPLETE ITEMS I THRU IS WILL RESULT IN THE LOG(S) BEING RETURNEY FOR COMPLETION AND RESUMBITING.

(signed)

(LICENSED PATER NELL DRILLER)

(signed)

(REGISTERED DRILLER TRAINEE)

		285 295 RED BLU	200 285 SAND CL	180 200 SANDY C	180	20 BO GREY CL	5 20 CALICHE	1 5 RED CLAY	0 1 TOP SOIL	FROM TO DESCRIPTION	GEOLOGICAL DESCRIPTION:	× ·		DIA NEW/USED	CUMPLEIED: U4/24/96	STARTED: 04/19/96	DATE ORILLING:		6) WELL LOG: 00168		3) IYPE OF WORK: NEW WELL	City, State, Zip	Street or RFD: COLLEGE FARM RD.	County: ERATH	
		RED BLUE GREY CLAY	SAND CLAY GRAVEL	SANDY CLAY AND SAND	GREY CLAY HARD SHALE	BO GREY CLAY HARD SHALE	20 CALICHE BROWN SAND	~		TION	ION:	PLASTIC, SLOTTED	PLASTIC. BLANK	DIA NEW/USED DESCRIPTION	4/96 :	9/96	6 3/4 0	DIAMETER FROM	DIAMETER OF HOLE	11		City, State, In code: STEPHENVILLE	OLLEGE FARM RD.	STATE WELLE 31-47-8	
												265		- F				10	HOLE	f Public	4) PROPOSED USE: DOMESTIC	TX 76401-		31-47-8	
												295	265	7	-				7) [Supply	D USE:	٥			
	515-UE			222							22	SCH40	SCH40	GAGE CASING SCREEN			MUD ROTARY		7) DRILLING METHOD:	f Public Supply well, were plans submitted to the TNRCC?	DONESTIC				
12) PACKERS:	11) WAT	SPE	10) SUR		Met	Dis	Cem	Het	225	0	Cen			_	-	4	GR.		- 8) BO	mitted					
ACKERS: T	11) WATER LEVEL: 200	SPEC. STEEL SLEAVE	SURFACE COMPLETION:	MEASURED	hod of v	tance to	Cemented by: GARY	Method used: CEMENT-POURED	225 FT.		Cemented from					IF GRAVEL	GRAVEL PACKED		BOREHOLE COMPLETION:	to the 1		,			
TYPE	EL : 20	SLEAVE	PLETION		erifica	septic	GARY	: CEMEN	TO 245	TO 20	0.00				2		XED		ONPLETI	NRCC?					
SPA.			**		tion of	field i		T-POURE	7	FI.	¥				KUN	245	,		요:			<u></u>	+=		-
DATE	DATE:				above o	Distance to septic field lines: 150		D			Ma. of Sa				-	1 .T.									
DEPTH 20	04/24/96				Method of verification of above distance:	150 ft.			4	-	of Sacks Used					10 295 FI.	*								

6) WELL LOG:

DIAMETER OF HOLE

7) BOREHOLE COMPLETION:

Copen Hose

Canal Mari

□ Underreamed

□ Racondidoning Perm Was

Dudgare [

Date Driving

200700

18-

TYPE OF WORK (Check);

 PROPOSED USE (Chack): S Domestic

Test Wen

□ Injection

De-Watering

5) DRILLING METHOD (Chuck):

Mud Rolay C Ar Human

Air Polsky C Capie Too

DE CI

U Jened II Bored

SEE ATTACHED MAP

Distance and direction from two mainteding section or survey lines.

SEE ATTACHED MAP. 2

Blook No

TOWNS!

ADSTRUM NO.

Survey Name

Other must complete the legal descriptor below with distance and disection from two intersets. Quariers or Hatri-Scale Tellas County General Highway Madiand action the map to this form.

intersecting section or survey lines, or ne must locate and identify the well on an official

County OF WELL:

21218 ME12

ADDRESS

Stephony 11c

C LEGAL DESCRIPTION:

Send original copy by pertiled mail to: Texte Weter Com-Indon, P.O. Box 13087, Austin, Texas 78711 State of Texas WELL REPORT Please Use Digot ok Texas Water Well Deliger Squiff P.O. Box 13087 Austin, Texas 78711

ATTENTION OWNER: Confidentiality
Philippy Models on Reviews Sides



Groundwater Monitoring Plan

Groundwater samples will be taken annually and submitted to a certified laboratory. Before samples are taken the wells shall be evacuated three well bore volumes.

Groundwater monitoring shall be sampled and analyzed from Site One monitor wells: MW-1, MW-2, MW-3, MW-4, and MW-5

Groundwater monitoring shall be sampled and analyzed from Site Two monitor wells: MW-1, MW-2, MW-3, MW-4, and MW-5

Constituents to be tested are:

Ammonia nitrate Nitrate Nitrite Total kjeldhal nitrogen (TKN) Chloride

Results are to be submitted to the TCEQ Water Quality Information Systems Team (MC-224), Groundwater Protection Team (MC-150), and Region 4 Office during September of each year.



Pace Analytical* ANALYTICAL REPORT

August 30, 2022























Schreiber Foods Inc.

Sample Delivery Group:

L1525592

Samples Received:

08/16/2022

Project Number:

Description:

Annual GW

Report To:

Gary McCaffity

823 CR 176

Stephenville, TX 76401

Entire Report Reviewed By:

T. Alan Harvill

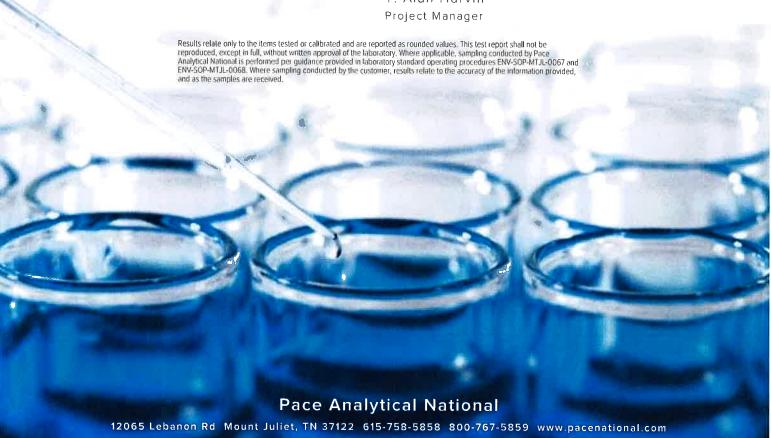


TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
SITE 1 MW1 L1525592-01	5
SITE 1 MW2 L1525592-02	6
SITE 1 MW3 L1525592-03	7
SITE 1 MW4 L1525592-04	8
SITE 1 MW5 L1525592-05	9
Qc: Quality Control Summary	10
Wet Chemistry by Method 300.0	10
Wet Chemistry by Method 351.2	11
Wet Chemistry by Method 353.2	12
Wet Chemistry by Method SM4500NH3H	13
GI: Glossary of Terms	14
Al: Accreditations & Locations	15
Sc: Sample Chain of Custody	16





















SAMPLE SUMMARY

SITE 1 MW1 L1525592-01 GW			Collected by Justin Grote	Collected date/time 08/15/22 08:40	Received da 08/16/22 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1912190	1	08/25/22 21:31	08/25/22 21:31	LDT	Allen, TX
Wet Chemistry by Method 300,0	WG1912183	4	08/17/22 22:24	08/17/22 22:24	EIG	Allen, TX
Wet Chemistry by Method 351.2	WG1913125	1	08/25/22 08:19	08/25/22 21:31	LDT	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1912190	4	08/17/22 16:22	08/17/22 16:22	EIG	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG1916459	1	08/25/22 14:35	08/25/22 14:35	EIG	Allen, TX
SITE 1 MW2 L1525592-02 GW			Collected by Justin Grote	Collected date/time 08/15/22 08:55	Received da 08/16/22 09:	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Calculated Results	WG1912190	Ť	08/25/22 21:33	08/25/22 21:33	LDT	Allen, TX
Wet Chemistry by Method 300.0	WG1912183	1	08/18/22 10:31	08/18/22 10:31	EIG	Allen, TX
Wet Chemistry by Method 351.2	WG1913125	1	08/25/22 08:19	08/25/22 21:33	LDT	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG1912190	2	08/17/22 16:35	08/17/22 16:35	EIG	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG1916459	Ĩ	08/25/22 14:37	08/25/22 14:37	EIG	Allen, TX
			Collected by	Collected date/time	Received da	te/time
SITE 1 MW3 L1525592-03 GW			Justin Grote	08/15/22 09:05	08/16/22 09	:35
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1912190	1	08/25/22 21:34	08/25/22 21:34	LDT	Allen, TX
Wet Chemistry by Method 300 0	WG1912183	15	08/18/22 10:50	08/18/22 10:50	EIG	Allen, TX
Wet Chemistry by Method 351,2	WG1913125	1	08/25/22 08:19	08/25/22 21:34	LDT	Mt, Juliet, TN
Wet Chemistry by Method 353.2	WG1912190	1	08/17/22 16:25	08/17/22 16:25	EIG	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG1916459	1	08/25/22 14:38	08/25/22 14:38	EIG	Allen, TX
			Collected by	Collected date/time		
SITE 1 MW4 L1525592-04 GW	_		Justin Grote	08/15/22 08:05	08/16/22 09	:35
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1912190	1	08/25/22 21:36	08/25/22 21:36	LDT	Allen, TX
Wet Chemistry by Method 300.0	WG1912183	1	08/18/22 11:10	08/18/22 11:10	EIG	Allen, TX
Wet Chemistry by Method 351.2	WG1913125	2	08/25/22 08:19	08/25/22 21:36	LDT	Mt. Juliet, TN
Wet Chemistry by Method 353,2	WG1912190	2	08/17/22 16:36	08/17/22 16:36	EIG	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG1916459	1	08/25/22 14:40	08/25/22 14:40	EIG	Allen, TX
CITE 4 MANUEL LAFOFFOO OF COLU			Collected by Justin Grote	Collected date/time 08/15/22 08:20	Received da 08/16/22 09	
SITE 1 MW5 L1525592-05 GW		B.1				
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG1912190	1	08/25/22 21:37	08/25/22 21:37	LDT	Allen, TX
Wet Chemistry by Method 300_0	WG1912183	7	08/17/22 23:43	08/17/22 23:43	EIG	Allen, TX
Wet Chemistry by Method 351.2	WG1913125		08/25/22 08:19	08/25/22 21:37	LDT	Mt. Juliet, TN
Wet Chemistry by Method 353 2	WG1912190	1	08/17/22 16:27	08/17/22 16:27	EIG	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG1916459	1	08/25/22 14:41	08/25/22 14:41	EIG	Allen, TX

























CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.





















lan Hamill

SITE 1 MW1

SAMPLE RESULTS - 01

Calculated Results

Collected date/time: 08/15/22 08:40

-	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / lime		
Nitrogen	3.43		0.0500	1	08/25/2022 21:31	WG1912190	







	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Chloride	204		0.800	1	08/17/2022 22:24	WG1912183



Cn



	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	ND		0.250	1	08/25/2022 21:31	WG1913125





Sample Narrative:

L1525592-01 WG1913125: Dilution due to NO3 hit.





	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Nitrate-Nitrite	3.43		0.0500	1	08/17/2022 16:22	WG1912190



Wet Chemistry by Method SM4500NH3H

-	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Ammonia Nitrogen	ND		0.100	1	08/25/2022 14:35	WG1916459	

SITE 1 MW2

SAMPLE RESULTS - 02

Calculated Results

Collected date/time: 08/15/22 08:55

	Result	Qualifier	RDL	Dilution	Analysis	Batch	Cp
Analyte	mg/l		mg/l		date / time		5
Nitrogen	5.76		0.100	1	08/25/2022 21:33	WG1912190	Тс
Wet Chemistry by N	Method 300.0						Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Chloride	884		0.800	1	08/18/2022 10:31	WG1912183	Cn
Wet Chemistry by N	Method 351.2						⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time	 -	[®] Qc
Kjeldahl Nitrogen, TKN	ND		0.250	1	08/25/2022 21:33	WG1913125	

Wet Chemistry by Method 353.2

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	5.52	<u>J6</u>	0.100	2	08/17/2022 16:35	WG1912190	

Wet Chemistry by Method SM4500NH3H

	Result	Qualifier RDL	. Dil	ution	Analysis	Batch
Analyte	mg/l	mg/	i .		date / time	
Ammonia Nitrogen	ND	0.10	0 1		08/25/2022 14:37	WG191645

GI

SITE 1 MW3 Collected date/time: 08/15/22 09:05

SAMPLE RESULTS - 03

Calculated Results

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Nitrogen	1.89		0.0500	1	08/25/2022 21:34	WG1912190







	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Chloride	315		0,800	1	08/18/2022 10:50	WG1912183





	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	ale and
Kjeldahl Nitrogen, TKN	ND		0,250	1	08/25/2022 21:34	WG1913125



Cn



	Result	Qualifier RI)L	Dilution	Analysis	Batch	
Analyte	mg/l	m	g/l		date / time		
Nitrate-Nitrite	1.89	0.	0500	1	08/17/2022 16:25	WG1912190	





Sc

Wet Chemistry by Method SM4500NH3H

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/25/2022 14:38	WG1016/150

SITE 1 MW4

SAMPLE RESULTS - 04

Calculated Results

Collected date/time: 08/15/22 08:05

-	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Nitrogen	7.90		0.100	1	08/25/2022 21:36	WG1912190





Wet Chemistry by Method 300.0

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Chloride	1540		0.800	1	08/18/2022 11:10	WG1912183





	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	ND		0.500	2	08/25/2022 21:36	WG1913125









L1525592-04 WG1913125; Dilution due to NO3 hit.



Wet Chemistry by Method 353.2

	Result	Qualifier R	DL	Dilution	Analysis	Batch
Analyte	mg/l	m	ıg/I		date / time	
Nitrate-Nitrite	7.48	0	100	2	08/17/2022 16:36	WG1912190



Wet Chemistry by Method SM4500NH3H

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / lime		
Ammonia Nitrogen	ND		0.100	1	08/25/2022 14:40	WG1916459	

SITE 1 MW5 Collected date/time: 08/15/22 08:20

Nitrate-Nitrite

SAMPLE RESULTS - 05

Calculated Results

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrogen	0.471		0.0500	1	08/25/2022 21:37	WG1912190	
Wet Chemistry by N	Method 300.0						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Chloride	61.6		0.800	1	08/17/2022 23:43	WG1912183	
Wet Chemistry by N	Anthod 2E12						
Tree errenmenty by the	vietnoù 351.2						
Tree enemies by it	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte		Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch	
	Result	Qualifier		Dilution	•	Batch WG1913125	
Analyte	Result mg/l ND	Qualifier	mg/l	Dilution 1	date / time		
Analyte Kjeldahl Nitrogen, TKN	Result mg/l ND	<u>Qualifier</u>	mg/l	Dilution 1 Dilution	date / time		

08/17/2022 16:27

WG1912190

Wet Chemistry by Method SM4500NH3H

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Ammonia Nitrogen	ND		0.100	1	08/25/2022 14:41	WG1916459

0.0500

WG1912183

Wet Chemistry by Method 300.0

QUALITY CONTROL SUMMARY

Method Blank (MB)

Chloride	Analyte		(MB) R3827801
	mg/l	MB Result	801-1 08/17/22 18:26
		MB Qualifier	
0.0541	mg/l	MB MDL	
0.800	mg/l	MB RDL	

0	Þ		<u></u>	
Chloride	Analyte		.CS) R3	abor
			82780	atory
			(LCS) R3827801-2 08/17/22 18:45	ratory Control Sample (LCS)
			3/17/22	trol S
5.00	mg/l	Spike Amount LCS Result	18:45	samp
		mount		le (Lo
5.14	mg/l	LCS R		CS)
103	%	LCS Rec.		
		Rec.		
90	%	Rec		
90.0-110		Rec. Limits		
		15		
		LCS Qualifie		
		fier		

Cn

SS

0269

		I										
20	0.144	<u>5</u>		90.0-110	_	111	110	29.5	29.5	18.4	10.0	Chloride
%	%			%		%	%	mg/l	mg/l	mg/l	mg/l	Analyte
RPD Limits	RPD	MSD Qualifier	MS Qualifier	Rec. Limits	Dilution	MSD Rec.	MS Rec.	MSD Result MS Rec.	ult MS Result	Original Res	Spike Amount Original Result MS Result	
						22 19:25	801-4 08/17/2	· (MSD) R3827	08/17/22 19:05	23827801-3	(OS) L1523791-01 08/17/22 20:25 • (MS) R3827801-3 08/17/22 19:05 • (MSD) R3827801-4 08/17/22 19:25	(OS) L1523791-01 0
					D)	uplicate (MS	Spike Du	MS) • Matrix	trix Spike (f	OS) • Ma	L1523791-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD	L1523791-01 C
								90,0-110	103	5.14	5.00	Chloride
								%	%	mg/l	mg/l	Analyte
						I.S.	LCS Qualifier	Rec. Limits	LCS Rec.	LCS Result	Spike Amount LCS Result	

WG1913125
Wet Chemistry by Method 351,2

QUALITY CONTROL SUMMARY

Method Blank (MB)

5.00 1.27 6.16 97.8 1 90.0-110	mg/l mg/l %	(OS) L1526366-01 08/25/22 21:49 • (MS) R3830634-7 08/25/22 21:52 Spike Amount Original Result MS Result MS Rec. Dilution Rec. Limits <u>MS Qualifier</u>	L1526366-01 Original Sample (OS) • Matrix Spike (MS)	5.00 8.53 13.2 13.0 93.4 89.4 1 90.0-110 <u>J6</u>	mg/l mg/l mg/l mg/l $%$ %	(OS) L1526346-01 08/25/22 21:40 • (MS) R3830634-4 08/25/22 21:45 • (MSD) R3830634-5 08/25/22 21:46 Spike Amount Original Result MS Result MSD Result MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD	L1526346-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)	12.1 12.0 94.0 10.42120	mg/l %	(LCS) R3830634-2 08/25/22 21:29 Spike Amount LCS Result LCS Rec. Rec. Limits LCS Qualifier	1.27 1.48 1 15.3 20	mg/l mg/l %	Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> Limits	(OS) L1526366-01 08/25/22 21:49 • (DUP) R3830634-6 08/25/22 21:50	L1526366-01 Original Sample (OS) • Duplicate (DUP)	8.53 8.37 1 1.89 20	mg/l mg/l %	Original Result DUP Result Dilution DUP RPD DUP Qualifier Limits	(OS) L1526346-01 08/25/22 21:40 ⋅ (DUP) R3830634-3 08/25/22 21:44	L1526346-01 Original Sample (OS) • Duplicate (DUP)	U 0.140 0.250	mg/l mg/l mg/l	
_		Dilution		93.4	ð ^Q	830634-5 08 MS Rec.	rix Spike			LCS Quali			OUP Qualifier					OUP Qualifier					
90.0-110	%	Rec. Limits		89.4	%	8/25/22 21:46 MSD Re	Duplicate			ifier	20	%	DUP RPD Limits			20	%	Limits					
		MS Qualifier		_		Ь	(MSD)																
				90.0-110	%																		
						MS Qualifier																	
				76		MSD Qualifier																	
				1.53	96	r RPD																	
				20	%	RPD Limits																	

08/30/22 16:06 DATE/TIME:

WG1912190

Wet Chemistry by Method 353:2

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3827599-1 08/17/22 16:07	17/22 16:07					cb Cb
	MB Result	MB Qualifier	MB MDL	MB RDL		271
Analyte	mg/l		mg/l	mg/l		02
Nitrate-Nitrite	U		0.0300	0.0500		SS
Laboratory Control Sample (LCS)	ntrol Sample (Lo	CS)				4(
(LCS) R3827599-2 08/17/22 16:08)8/17/22 16:08					5
	Spike Amount LCS Result		LCS Rec.	Rec. Limits	LCS Qualifier	
Analyte	mg/l	mg/l	%	%		Ω̈́

Nitrate-Nitrite	Analyte		(OS) L152559	L1525592	Nitrate-Nitrite	Analyte		(OS) L152559	L1525592	Nitrate-Nitrite	Analyte
			32-02 08	2-02 0				32-01 08	2-01 01		
2.50	mg/l	Spike Amount	(OS) L1525592-02 08/17/22 16:35 • (MS) R3827599-5 08/17/22 16:30 • (MSD) R3827599-6 08/17/22 16:34	L1525592-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD	2.50	mg/l	Spike Amount	(OS) L1525592-01 08/17/22 16:22 • (MS) R3827599-3 08/17/22 16:28 • (MSD) R3827599-4 08/17/22 16:29	L1525592-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)	2,50	mg/l
5.52	mg/l	Original Res) R3827599-!	e (OS) • N	3_43	mg/l	: Original Res	R3827599-3	e (OS) • M	2.52	mg/l
7.62	mg/l	Spike Amount Original Result MS Result	5 08/17/22 16:3	1atrix Spike	5.81	mg/l	Spike Amount Original Result MS Result	8 08/17/22 16:2	atrix Spike	101	%
7.66	mg/l	MSD Result	0 • (MSD) R382	(MS) • Mati	5.82	mg/l	MSD Result	8 · (MSD) R382	(MS) • Matr	90 0-110	%
84.0	%	MS Rec.	27599-6 08/1	rix Spike [95.2	%	MS Rec.	7599-4 08/17	ix Spike D		
85.6	%	MSD Rec.	7/22 16:34	Duplicate (N	95.6	%	MSD Rec.	7/22 16:29)uplicate (N		
2		Dilution		ASD)	_		Dilution		1SD)		
90.0-110	%	Rec. Limits			90_0-110	%	Rec. Limits				
<u>J</u> 6		MS Qualifier			lm		MS Qualifier				
<u>J6</u>		MS Qualifier MSD Qualifier			Im		MS Qualifier MSD Qualifier				
0_524	96	RPD			0.172	96	RPD				
20	%	RPD Limits			20	%	RPD Limits				
				l <u>i</u>							

2S_e

≥ 0

ر ا

PROJECT:

SDG: L1525592

08/30/22 16:06 DATE/TIME:

WG1916459

Wet Chemistry by Method SM4500NH3H

QUALITY CONTROL SUMMARY L1525592-01,02,03,04,05

Method Blank (MB)

(MB) R3831029-1 08/25/22 14:18 mg/l MB Result MB Qualifier MB MDL mg/l mg/l MB RDL

Ammonia Nitrogen

 \subset

0.0280

0.100

(LCS) R3831029-2 08/25/22 14:20	Laboratory Control Sample
	mpie (LCS)
	(LCS) R3831029-2 08/25/22 14:20

Cn

SS

_ 0272

Z,

Ammonia Nitrogen

5.00 mg/l

5.10 mg/l

102

% 80.0-120

L1525387-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1525387-01 08/25/22 14:31 • (MS) R3831029-3 08/25/22 14:21 • (MSD) R3831029-4 08/25/22 14:22	3/25/22 14:31 · (MS)	R3831029-3 0.	8/25/22 14:21	I • (MSD) R38310)29-4 08/25	/22 14:22						
	Spike Amount	Spike Amount Original Result MS Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Ammonia Nitrogen	5,00	ND	4.90	4.89	97.1	96,9		80.0-120			0.204	20

L1525592-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

Ammonia Nitrogen

SC.

≥

<u>a</u>

Qc

	Spike Amount	Spike Amount Original Result MS Result	lt MS Result	MSD Result MS Rec.	MS Rec.	MSD Rec.	Dilution	Dilution Rec. Limits	MS Qualifier	MSD Qualifier	RPD
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%
Ammonia Nitrogen	5.00	N	4.87	4.88	97.4	97.6	_	80.0-120			0.205

L1525592 SDG:

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.



Abbreviations and Definitions



MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.



Rec. Recovery RPD Relative Percent Difference: SDG Sample Delivery Group,



Not detected at the Reporting Limit (or MDL where applicable).



The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes

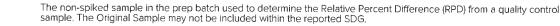


If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor



Sc

These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.





This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.

The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte

Uncertainty (Radiochemistry)

Analyte

Dilution

Limits

Qualifier

Result

Original Sample

Confidence level of 2 sigma.

A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. Case Narrative (Cn)

Quality Control Summary (Qc)

This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.

Sample Chain of Custody (Sc)

This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.

Sample Results (Sr)

This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported

Sample Summary (Ss)

This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

SDG

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey~NELAP	TN002
California	2932	New Mexico 1	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia 1	923	North Dakota	R-140
ldaho	TN00003	Ohio-VAP	CL0069
Hinois	200008	Oklahoma	9915
ndiana	C-TN-01	Oregon	TN200002
owa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/ə
_ouisiana	Al30792	Tennessee 14	2006
ouisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 5	1461.02	DOD	1461,01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		



Arkansas	88-0647	Kansas	E10388
Florida	E871118	Texas	T104704232-22-37
lowa	408	Oklahoma	8727
Louisiana	30686		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable





















^{*} Not all certifications held by the laboratory are applicable to the results reported in the attached report.

^{*} Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Relinquished by : (Signature)	Samples return	Mairoi: Mairoi: SS-SON AIR-AIr F-Fifter M. Groundwater B-Bloassay	- EMINE 3118	STEE STANKS	STEPHEN COM	9	9	SITE LAWS G GW	SHE I MWZ	SILE I WALL	Sample ID Comp/Srab Matrix *	Same Day Neat Day Three Day	ure): Rush? (Lab MuS	Collected by (print): Site/Facility ID 8	Phone 254-552-7717	Project Description Collected:		823 CR 176 Stephenville, TX 76401	Schreiber Foods Inc.
Received by (Signature) Received for lab by (Signature) Received for lab by (Signature)	er Tracking# 6003 4300					14, 18-18-30 8-30	6-15-53	14, 32500 600	13. 015.50 E	-	ALI	Date Results New	Quote #	E-H2S	CHRRSTX-GENERA OMITION 04	श्र प्र प्र S DPE-I			Kim Hattox 823 CR 176 823 CR 176 Stephenville, TX 76401
Temps: *C deaths becoment if preparation required by togor: Date/Time *C deaths becoment if preparation required by togor: Date/Time *C deaths becoment if preparation required by togor: Date/Time *C deaths becoment if preparation required by togor: Date/Time *C deaths becoment if preparation required by togor: Date/Time *C deaths becoment if preparation required by togor: Date/Time *C deaths becoment if preparation required by togor: Date/Time *C deaths becoment if preparation required by togor: Date/Time *C deaths becoment if preparation required by togor: Date/Time **C deaths becoment if preparation required by togor: Date/Time **C deaths becoment if preparation required by togor: Date/Time **C deaths becoment if preparation required by togor: Date/Time **Condition**	Trip Blank Received Yes / No	DH Temp COC seal Treatment fract. Signed/Accirate. Flow Other Core bottles used: The volume sent.												Accinum: DSSCHRRSTX Template: T190785		164575 1.00s	Submitting Lamping to a Milk stream of SILLSON, Park Prints and Completion of Sillson at 19 Park Prints and Completion (Sillson at 19 Park Prints at 19 Park Prints and Completion (Sillson at 19 Park Prints at 19 Park Prints and Completion (Sillson at 19 Park Prints at 19 Park	190 Allen, TX 75013	Pace Analytical

41 LBS

1.0F 1

KIM HATTOX 1284) 552 -- 7710 60HAEISEN FOODS 073 COUNTRY NO 176 8TEPHENVILLE TX 76401

DW1: 23,13,13

SHIP TO:
PACE ANALYTICAL DALLAS
(972) 727-1123
STE 190
400 W BETHANY DR
ALLEN TX 75013-3714



TX 753 5-77



UPS GROUND

TRACKING #: 1Z Y49 8F8 03 6246 7509



BILLING: P/P



	Document Name Sample Condition Upon Receipt	Document Revised 7/27/20 Page 1 of 1
Páce Analytica	Oocument No F DAL-C 001-rev.14	issuing Authority Pace Dallas Quality Office
370	Sample Condition Upon Reco	eipt sti Daustin

Page 1 of 1 uling Authority all as Quality Office

Sample condition	
	Corpus Christi DAustin 41525592
Cooler Temps Cooler Temps	C: 2.3 (Recorded) (Correction Factor) (Actual) (Correction Factor)
Temperature should be above freezing to 6 C unless collected same	ne day as receipt in which evidence of cooling is acceptante
Chain of Custody relinquished	Yes / No D
Sampler name & signature on COC	Yes No s
Short HT analyses (<72 hrs)	Yes u No
Sufficient Volume received Correct Container used	Yes / No is
Container Intact	Yes / No D
Sample phr Acceptable pH Strips: Residual Chloring Present CI Strips: Sulfide Present Lead Acetate Strips:	Yes D No D NA D Yes D No D NA D
Are soil samples (valatiles, TPH) received in 50354 kits (not applicable to TCLP VOA or PST Program TPH)	Yes d No o NA
Unpreserved 5035A soil frozen within 48 hrs	Yes a No a NA /
Headspâce in VOA (>6mm)	Yes a No a NA
Project sampled in USDA Regulated Area outside of Texas State Sampled	Yes □ No □ NA □
Non-Conformance(s).	Yes to No to

Labeling Person (if different than log-in)

ATTACHMENT 7 - SOILS INFORMATION

7.1 Soil Features

Soil mapping units included in this section for the production area and waste disposal area was taken from the electronic NRCS soil survey for Erath County. Soils descriptions are included in the supporting documentation and were taken from the most current version of the NRCS electronic soil information database for Erath County as obtained from the NRCS Soil Data Mart.



MAP LEGEND

Area of Interest (AOI) Soil Map Unit Lines Soil Map Unit Polygons Area of Interest (AOI) Very Stony Spot Stony Spot Spoil Area

Special Point Features Blowout

Soil Map Unit Points

Closed Depression Clay Spot **Borrow Pit**

X Gravel Pit Gravelly Spot

Landfill

Marsh or swamp Lava Flow

Miscellaneous Water Mine or Quarry

Rock Outcrop Perennial Water

Severely Eroded Spot Sandy Spot Saline Spot

Sinkhole

Slide or Slip

Sodic Spot

Other Wet Spot

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of

Warning: Soil Map may not be valid at this scale.

The soil surveys that comprise your AOI were mapped at 1:20,000.

MAP INFORMATION

contrasting soils that could have been shown at a more detailed

Transportation

Interstate Highways

Coordinate System: Web Mercator (EPSG:3857)

Web Soil Survey URL:

measurements

Please rely on the bar scale on each map sheet for map

Source of Map: Natural Resources Conservation Service

Local Roads

Background

Special Line Features

Water Features Streams and Canals

Rails

US Routes Major Roads

Aerial Photography

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Survey Area Data: Version 14, Nov 7, 2017 Soil Survey Area: Erath County, Texas of the version date(s) listed below.

This product is generated from the USDA-NRCS certified data as

accurate calculations of distance or area are required. Albers equal-area conic projection, should be used if more distance and area. A projection that preserves area, such as the projection, which preserves direction and shape but distorts Maps from the Web Soil Survey are based on the Web Mercator

Date(s) aerial images were photographed: Dec 17, 2015—Dec 13, 2017

imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident. compiled and digitized probably differs from the background The orthophoto or other base map on which the soil lines were

Page 2 of 3 6/5/2018

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
НоВ	Slidell clay, 1 to 3 percent slopes	34.2	25.4%
Pd	Purves-Dugout complex	0.1	0.1%
WkA	Hassee fine sandy loam, thick surface, 0 to 2 percent slopes	31.6	23.4%
WoB	Windthorst very fine sandy loam, 1 to 3 percent slopes	10.1	7.5%
WoB2	Windthorst fine sandy loam, 1 to 5 percent slopes, eroded	44.2	32.8%
WsC2	Windthorst fine sandy loam, 3 to 8 percent slopes, eroded	14.6	10.8%
Totals for Area of Interest		134.9	100.0%

22-104-0118
22-104-0118

completed date
Apr 21, 2022
RECEIVED DATE
Apr 13, 2022



PAGE 1/10

Apr 21, 2022

②

ENVIRO-AG ENGINEERING INC

3404 AIRWAY BLVD AMARILLO TX 79118

IDENTIFICATION
SCHREIBER
SOIL/
4/4/22

www.midwestlabs.com

SOIL ANALYSIS REPORT

					NEUTRA	VEUTRAL AMMONIUM ACETATE (EXCHANGEABLE)	CETATE (EXCHAN							
	SAMPLE	ORGANIC	PHOSPHORUS	IORUS	POTASSIUM	MAGNESIUM	CALCIUM	SODIUM	рH	CATION	PERCENT	BASE SATURATION	-	(COMPUTED)
NUMBER IDE	DENTIFICATION	LO.L	(WEAK BRAY) (STRONG BRAY)	MEHLICH III	~	Mg	C	Na	SOIT BU	BUFFER CAPACITY	× %	M %	£ %	Z %
395		percent RATE	ppm RATE ppm	RATE ppn	ppm RATE	ppm RATE	ppm RATE	ppm RATE	1.2 Soil-Water	meq/100g				
65299 N P	PVT FSL	2.2 ∟		540	532 VH	≦	2437 M	7		22.9	6	14.3 53	.2 0.	ဂ
Z	PVT FSL	0.8 √L		23	608 VH	主	2238 ∟	2078 vн		25.C	<u>ი</u>	∞	. <u>9</u> 0.	0 36.1
65301 N P	PVT FSL	1.4 VL		13	330 VH	259 M	2692 M		8.4	26.1	3.2	8.3 51	0.	36
Z	PVT CLAY	1.3 ∨∟		59	578 VH	\leq	1590 L	2051 VH		21.3	7.		ω 0.	41
Z	PVT CLAY	2.2 ∟		796	610 VH	¥	2278 L	1590 VH		23.7	_ ე	<u>.</u>	.2 0.	29
65304 N PVT	VT CLAY	1.2 VL		24	370 VH	≥	2366 ∟	2620 VH		26.4	ω	ယ	0.	0 43.1
	OUTSDPVT FSL	2.0 ∟	(8)	364	286 VH	I	2293 н	325 VH		15.3	4	.0	0	9
	OUTSDPVT FSL	1.3 ∨∟		23	243 VH	エ	2940 н	298 VH		18.5	ω	ယ	ω 0.	7.
	OUTSDPVT FSL	1.2 VL		12	178 M	244 M	3931 н			24.2		4	0.	œ
65308 out	OUTSDPVT CLY	2.6 M		125	187 н	3	3139 VH	97 M	7.4	17.9	2	ω	6 0.	2
LAB		N	NITRATE-N (FIA)			ıs	JLFUR		MANGANESE		COPPER	BORON	EXCESS SOLUBLE	BLE
NUMBER	SURFACE		SUBSOIL 1	SUBS	SUBSOIL 2		ICAP S	ZA DIPA	MA	OTPA	2 C	SORB, DTPA	133	15
395 pm	n lbs/A de	depth (in) ppm	depth	h ppm lbs/A	depth /A (in)	lbs/A pp	ı.	RATE PP	n RATE ppm	RATE	ppm RATE	ppm RATE	1 Sail:2 Water mmhos/ cm RAT	RATE
	9 16 0	0-6				_	_	2 .	14	V	701	11,11	_	Ēģ
65301	<u> </u>	-30 -30					92 VH	Ŋ		311			M 2.0	ğ
	ഗ്വ	0-6				51		N.	1 10	Ä				
	18	6-18				_	90 VH	10				45	2.	
	1	18-30				11 16	51 YH	1	19	1.7	cci.		2	
	1	0-6				11								
	7	6-18				7 :	21 н		81	nie i			0.	
	7 1	8-30				7				J.	18.		0	
	14	0-6				14 8	32 VH					75.50	0.	
														REV.12/03

22-104-0118
22-104-0118

completed date
Apr 21, 2022
RECEIVED DATE
Apr 13, 2022

ACCOUNT 22923



PAGE 2/10

Apr 21, 2022

0283

3404 AIRWAY BLVD AMARILLO TX 79118 **ENVIRO-AG ENGINEERING INC**

> IDENTIFICATION 4/4/22 SOIL/ SCHREIBER

www.midwestlabs.com

SOIL ANALYSIS REPORT

					NEUTR/	AL AMMONIUM	NEUTRAL AMMONIUM ACETATE (EXCHANGEABLE)	GEABLE)								
LAB	SAMPLE	ORGANIC	PHOS	PHOSPHORUS	POTASSIUM	MAGNESIUM	CALCIUM	SODIUM	Нd	, o	West Con-	ERCENT	BASE SAT	TURATION	PERCENT BASE SATURATION (COMPUTED)	JTED)
NUMBER	IDENTIFICATION	MATTER	P P P P P P P P P P P P P P P P P P P	P MEHUCH III	×	Мд	Ca	Na	SOIL E	BUFFER C	CAPACITY	* *	M %	% ت <u>و</u>	= %	N %
395		percent RATE	ppm RATE ppm		ppm RATE	ppm RATE	ppm RATE	ppm RATE	ite		meq/100g					
65309	65309 OUTSDPVT CLY	1.5 VL		40	181 M	185 M	185 м 3734 vн	130 н	7.8	N)	21.2	2.2	7.3	87.8	0.0	2.7
65310	65310 OUTSDPVT CLY	1.6 L	Ni Sv	30	204 M	248 M	248 м 4538 vн	184 VH	7.9		26.1	2.0	7.9	87.0	0.0	3.1
65311	65311 S PIVOT	2.2 ∟		836	369 VH	302 VH	302 VH 2053 M 1023	1023 vн	9.1		18.2	5.2	13.8	56.6	0.0 24.4	24.4
65312	65312 S PIVOT	1.1 VL		42	504 VH	332 VH	332 VH 2032 L	1550 vн	9.1	N	21.0	6.2	13.2	48.5	0.0 32.1	32.1
65313	65313 S PIVOT	1.0 VL		28	387 vн	239 M	239 M 2284 M 1985	1985 vн	9.1	N	23.0	4.3	8.7	49.5	0.0 37.5	37.5
LAB NUMBER	SURFACE	z	NITRATE-N (FIA) SUBSOIL1		SUBSOIL 2		SULFUR S ICAP	Zn MAI	MANGANESE Mn	IRON Fe	COPPER Cu		BORON B SORB DTPA	EXCESS LIME RATE	SOLUBLE SALTS	
395	ppm lbs/A c	depth (in) ppm	depth lbs/A (in)	oth ppm lbs/A	depth /A (in)	lbs/A	RATE	ppm RATE ppm	m RATE	ppm RATE	P	RATE	ppm RATE	Ħ	mmhos/ cm RATE	₽ .
65309	5 18 6	6-18				18	18 M		. (4)						0.5	
65310	8 29 18-30	3-30				29	HV 99		TVAL TVAL			301		S	0.8	
65311	12 22 0	0-6				22 1	116 VH		75					3	1.2	ese of
65312	4 14 6-18	-18				14	39 VH	F _p						≤	 	
65313	2 7 18	18-30				7	44 VH		1000			4.45			1.4	
																REV.12/03

REPORT NUMBER

22-104-0118

COMPLETED DATE
APP 21, 2022
RECEIVED DATE
APR 13, 2022

ACCOUNT 22923



PAGE 3/10 TODAY'S DATE Apr 21, 2022

ENVIRO-AG ENGINEERING INC

3404 AIRWAY BLVD AMARILLO TX 79118

IDENTIFICATION SOIL/ 4/4/22 SCHREIBER

www.midwestlabs.com

ADDITIONAL SOIL ANALYSIS

Labnum *395*	Sample ID	Ammonia Nitrogen KCI extract ppm	E.C. EC electrode mmhos/cm	Total Kjeldahl Nitrogen Kjeldahl ppm	Sulfur Calculation Iba/A	Total N (calc) Calculated ppm
65299	N PVT FSL	3	6.9	1290	360.00	1299.00
	Depth: 0-6))		
65300	N PVT FSL	2	3.2	400	142.00	404.00
65301	<i>Depth: 6-18</i> N PVT FSL		4.0	360	184.00	363 00
	Depth: 18-30					
65302	N PVT CLAY	_	3.2	450	126.00	453.00
	Depth: 0-6					
65303	N PVT CLAY	_	5.7	1350	320.00	1355.00
	Depth: 6-18					
65304	N PVT CLAY	2	5.6	500	322.00	503.00
	Depth: 18-30					
65305	OUTSDPVT FSL	6	1.4	1140	70.00	1146.00
	Depth: 0-6					
65306	OUTSDPVT FSL	2	1.3	590	42.00	592.00
	Depth: 6-18					
65307	OUTSDPVT FSL	ω	2.8	490	150.00	492.00
	Depth: 18-30					
65308	OUTSDPVT CLY	ຜ	2.2	1440	164.00	1448.00
	Depth: 0-6					

22-104-0118
22-104-0118

completed date
Apr 21, 2022

RECEIVED DATE
Apr 13, 2022

ACCOUNT 22923



PAGE 4/10 Apr 21, 2022

0285

ENVIRO-AG ENGINEERING INC

3404 AIRWAY BLVD AMARILLO TX 79118

IDENTIFICATION

www.midwestlabs.com

SCHREIBER

ADDITIONAL SOIL ANALYSIS SOIL/ 4/4/22

65313	65312	65311	65310	65309	Labnum *395*
S PIVOT Depth: 18-30	S PIVOT Depth: 6-18	S PIVOT	OUTSDPVT CLY	OUTSDPVT CLY	Sample ID
2	ω	2	0	4	Ammonia Nitrogen KCl extract ppm
2.3	1.3	3.9	1.8	1.3	E.C. EC electrode mmhos/cm
480	560	1300	890	840	Total Kjeldahl Nitrogen Kjeldahl ppm
88.00	78.00	232.00	132.00	36.00	Sulfur Calculation lba/A
482.00	564.00	1312.00	898.00	845.00	Total N (calc) Calculated ppm

22-104-0118

COMPLETED DATE
ACCC
Apr 21, 2022

RECEIVED DATE
Apr 13, 2022 REPORT NUMBER

ACCOUNT 22923



PAGE 5/10

Apr 21, 2022

0286

ENVIRO-AG ENGINEERING INC

3404 AIRWAY BLVD AMARILLO TX 79118

IDENTIFICATION 4/4/22 SOIL/ **SCHREIBER**

www.midwestlabs.com

SODIUM ADSORPTION RATIO REPORT

Method Lab Sample Number Id Units	CALCULATED Sodium Adsorption Ratio	SATURATED PAS: Sodium Mag (Water Soluble) (Water mg/L	ED PASTE EXTRACTION Magnesium (Water Soluble) (Water Mag/L	ION Calcium (Water Soluble) mg/L
39565299N PVT FSL	35.5	1402	4	111
39565300N PVT FSL	25.9	665	10	34
39565301N PVT FSL	30.9	888	9	48
39565302N PVT CLAY	24.2	652	16	29
39565303N PVT CLAY	29.9	1188	27	75
39565304N PVT CLAY	34.9	1237	11	77
395653050UTSDPVT FSL	5.6	220	12	95
395653060UTSDPVT FSL	4.6	179	10	96
395653070UTSDPVT FSL	6.4	370	20	220
395653080UTSDPVT CLY	1.3	104	34	403

REPORT NUMBER 22-104-0118 COMPLETED DATE Apr 21, 2022 RECEIVED DATE Apr 13, 2022



PAGE 6/10

Apr 21, 2022

0287

ENVIRO-AG ENGINEERING INC

3404 AIRWAY BLVD AMARILLO TX 79118

IDENTIFICATION SOIL/ **SCHREIBER** 4/4/22

www.midwestlabs.com

SODIUM ADSORPTION RATIO REPORT

Method Lab Sample Number Id Units	CALCULATED Sodium Adsorption Ratio	SATURATE Sodium (Water Soluble) mg/L	SATURATED PASTE EXTRACTION dium Magnesium Coluble) (Water Soluble) (Wafer Soluble) (Wafer Soluble) (Wafer Soluble)	ACTION Calcium e) (Water Soluble) mg/L
395653090UTSDPVT CLY	2.0	105	15	180
395653100UTSDPVT CLY	2.3	137	21	237
39565311S PIVOT	23.8	816	19	58
39565312S PIVOT	24.9	680	11	38
39565313S PIVOT	29.4	795	9	41

REPORT NUMBER

22-104-0118

COMPLETED DATE
ACCO
APP 21, 2022
RECEIVED DATE
APR 13, 2022

ACCOUNT 22923



PAGE 7/10

Apr 21, 2022

0288

ENVIRO-AG ENGINEERING INC

3404 AIRWAY BLVD AMARILLO TX 79118

LAB NU

IDENTIFICATION
SCHREIBER
SOIL/
4/4/22

www.midwestlabs.com

UMBER	
SAMPLE ID	
P ppm	≪
K ppm	TER SOL
Ca ppm	UBLE REF
opm K ppm Ca ppm Mg ppm	ÖRT
Na ppm	
S ppm	

39565308	39565307	39565306	39565305	39565304	39565303	39565302	39565301	39565300	39565299
OUTSDPVT CLY	OUTSDPVT FSL	OUTSDPVT FSL	OUTSDPVT FSL	N PVT CLAY	N PVT CLAY	N PVT CLAY	N PVT FSL	N PVT FSL	N PVT FSL
00	2	ω	12		48	9	ഗ	7	35
57	20	28	64	84	112	94	63	359	146
370	267	114	156	153	171	151	109	217	188
48	39	26	36	78	54	77	46	211	68
93	448	235	267	1402	1357	889	1518	1357	1210
79	73	19	32	154	152	59	87	86	175

REPORT NUMBER

22-104-0118

COMPLETED DATE

Apr 21, 2022

RECEIVED DATE

Apr 13, 2022

Nidwest

Laboratories

13611 B Street · Omaha, Nebraska 68144-3693 · (402) 334-7770

PAGE 8/10

Apr 21, 2022

0289

②

ENVIRO-AG ENGINEERING INC

3404 AIRWAY BLVD AMARILLO TX 79118

> SCHREIBER SOIL/ 4/4/22

www.midwestlabs.com

LAB NUMBER	SAMPLE ID P	ppm ₩A	WATER SOI	WATER SOLUBLE REPORT M K ppm Ca ppm Mg p	Mg ppm	Na ppm	S ppm	
39565309	OUTSDPVT CLY 4	4	30	262	35	124	17	
39565310	OUTSDPVT CLY 3	.≺ 3	34	487	48	178	62	
39565311	S PIVOT	47	92	124	41	936	112	
39565312	S PIVOT	9	98	124	60	1071	34	
39565313	S PIVOT	7	64	124	54	1161	41	

Erath County Per history

. 10	Transaction (1977)	
1	Widwest Laboratories	
では	CONTRACTOR OF THE PARTY OF THE	
71.	Laboratorios	7

Midwest Laboratories, Inc. 13611 B Street, Omaha, NE 68144 402-334-7770







D

INTAMESTALISM AND		(m)(Levigeneshtes)	in neus zamm	TOURINA WIL	17-417-9-4-9-9	****//****	71 9 9 9 7 1V/7.1m	~	回火	K(A		15	1 🔳	SOUTH NO
Account Number/ Compa	ny Nam	e:	2292	23	(Cha	li		395	56529	9 – 3956	5313	
Purchase Order:							Sam	plas 1	for Re	gulato	iry Use:	Yes	No L	
Name: Enviro-Ag Eng Address: 9855 FM 847	gineerii	1g		ent Nam	-	MANUFACTO	With Life And was not	the selection of the Person of			Name:	Amales (na a thursday a colo	Y779	
City, States Dublin, TX		76446		mple ID:		011	100	Laston			Addres		21P:	
Phone: (254) 965-350			-	mple Dat		1/4	100			-1	Phone:	 		
Email: jmullin@enviro	.,	n	281	mple Tim	18:	united Street	·	· · · · · · · · · · · · · · · · · · ·	termi las bergis	***********	-1177-16			
PROJECT I	NEOBWA	TION	********		ВОТ	 TI 6 O	RDER	INFO	T		า:	ests request	ED	
PROJ. NO. Project Name/				990	-N-117	F	1	-	ļ	र्जा			(18)	
COMPANY: (Signature)						3/8			I	Jen			(15))
SAMPLER: (Signaturu)	on	1			ers.	ation		E	+ N Phy	e Co	Bar	UHT	Lab Number	Order #
SAMPLE ID/ LOCATION	DATE	TIME	COMP	GRAB	No. of Containers	Proper Preservation (Y/N)	Matrix	Regulatory (Y/N)	Inhahia!	ayosum recomendad	See alliton	AU.	(Internal	
North Print FSL 0-6	4/4/2	2			I		50	γ	X		X	REMS 43235		MS 3236
6-18 18-30												REMS 43237		TMS 3238
North First Clay 0-6							1					REMS 43239		MS 3240
18-30											-	REMS	10	EMS
outside Phat for 0-6					+		+	-	-		+	43241	4:	3242
6-18					1		\pm				#	REMS 43243		EMS 3244 .
Outside Privately 0-6							-		_			REMS 43245		EMS 3246
6-1 4 (8-30									-		#	REMS 43247		EMS 3248
South Print 0-6							1	1					REMS	-
18.30			Commission										43249	see semiles
Relinquished by (Signification)	arreston phonon	Date/ Tinty	72	Received	JE	X			1		r arrived int		Yes 🗌	No 🔲
Rellnquished by: (Signature)		Date/Time			5 1	4/1	3/2	λ.			erature on / rved in Field		Yes []	No 🗌
Railnquisted by: (Signosura)			·açu	L.,						Remarks	,			-13
CAL			1		****					G	REMS	3		
SAF			olk	s Allianal)	10 April	13111								

Quality Assessment Team (MC-150), and Region 4 Office during the month of September of

L. The permittee shall obtain representative soil samples from the root zones of the landapplication area receiving wastewater. Composite sampling techniques shall be used. Each composite sample shall represent no more than 50 acres with no less than 15 subsamples representing each composite sample. Subsamples shall be composited by like sampling depth, type of crop, and soil type for analysis and reporting. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from 0 to 6 inches, 6 to 18 inches, and 18 to 30 inches below ground level. The permittee shall sample soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample

The permittee shall provide annual soil sample analyses of the land application area according to the following table:

Parameter	Method	MAL 4	Reporting units
рН	2:1 (v/v) water to soil mixture		Reported to 0.1 pH units after calibration of pH meter
Electrical Conductivity	Obtained from the SAR water-saturated paste extract	0.01	dS/m (same as mmho/cm
Nitrate- nitrogen, ammonium- nitrogen	From a 1 N KCl soil extract	1	mg/kg (dry weight basis)
Total Kjeldahl Nitrogen (TKN)	For determination of Organic plus Ammonium Nitrogen. Procedures that use Mercury (Hg) are not acceptable.	20	mg/kg (dry weight basis)
Total Nitrogen	= TKN plus Nitrate-nitrogen		mg/kg (dry weight basis)
Plant-available: Phosphorus	Mehlich III with inductively coupled plasma	1 (P)	mg/kg (dry weight basis)
Plant-available: Potassium (K) Calcium (Ca) Magnesium (Mg) Sodium (Na) Sulfur (S)	May be determined in the same Mehlich III extract with inductively coupled plasma	5 (K) 10 (Ca) 5 (Mg) 10 (Na) 1 (S)	mg/kg (dry weight basis)
Water-soluble: Sodium (Na) Calcium (Ca) Magnesium (Mg)	Obtained from the SAR water saturated paste extract	1 (Na) 1 (Ca) 1 (Mg)	Water soluble constituents are reported in mg/L

⁴ Minimum analytical level.





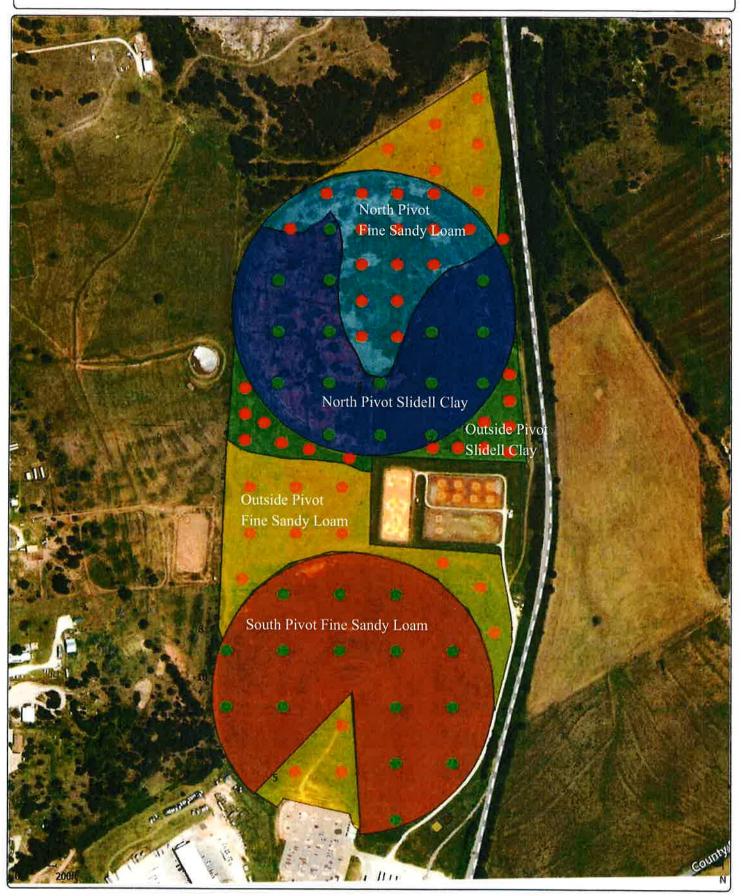




Page 7

39565299 - 39565313

Schreiber Foods



3/9/2016 9:17:33 AM

ATTACHMENT 8 – POLLUTANT ANALYSIS DATA

Enviro-Ag Engineering

Sample Delivery Group: Project Number: Samples Received: L1551018

10/27/2022

Amarillo, TX 79118 3404 Airway Blvd, Jourdan Mullin

Report To

Description:



Oc Quality Control Summary

SCHREIBER SAMPLE #1 L1551018-02 SCHREIBER SAMPLE #1 L1551018-01































Sr: Sample Results Cn: Case Narrative Ss: Sample Summary To Table of Contents





















Cg: Cover Pilge

















































































Wet Chemistry by Method 3500Cr-B

Wet Chemistry by Method 306.0 Wet Chemistry by Method 1554A Wet Chemistry by Method 120.1 Gravimetric Analysis by Method 2540D Gravimetric Analysis by Method 25400 Microbiology by Method 92220

Wet Chemistry by Method 4500Cl G-2011 Wet Chemistry by Method 351.2



Entire Report Reviewed By:

Munda Foster



Wet Chemistry by Method 5220D

Wet Chemistry by Method SM 4500-H+B Wet Chemistry by Method 5310C

Wet Chemistry by Method SM52108 Wet Chemistry by Method SM4500NH3H

respective (mental) was. The test regular shall not by booting Whyte opposition worphys command by Pug standard standard propriate command to the Section of standard standard by the organics (No.50 MT), 10051 and standard resides these to the organics of the retirem standard organics.

Project Manager Cassandra Foster

Mercury by Method 245.1

Gl: Glossary of Terms

 $\overline{\alpha}$

Al: Accreditations & Locations

Sc: Sample Chain of Custody

Metals (ICP) by Method 200.7

12 13 15 16 17 18 19 20 20 21 22 23 23 24





Sc

=

















ACCOUNT Envir Ag Engelvering

12065 Lebanon Rd Mount Juliet, TN 37122, 615-758-5858, 800-757-5859, www.pacemational.com

PROJECT

SDG LISSIOIE

DATE/TIME: 11/22/22 12 21

PAGE

Enviro-Ag Engineering ACCOUNT Pace Analytical National

TABLE OF CONTENTS

SAMPLE SUMMARY

SCHREIBER SAMPLE #1 L1551018-01 WW			Fine sone	10/27/2/03	10/2//22 15/5/	
Method	Balch	Dilution	Preparation	Analysis	Analyst	Location
			date/bme	date/lime		
Microbiology by Micthaed 9222D	WG1951668	٦	10/27/22 15 00	10/28/22 15:10	CNC	Ft Worth, TX
Calculated Results	WG1953998	-	11/07/22 11:14	11/07/22 11:14	EJS	Allen TX
Calculated Results	WG1950526	_	11/08/22 21 06	11/08/22 21 96	턴	Allen, TX
Gravimetric Analysis by Method 2540C	WG1950781	_	10/28/22 16 05	10/28/22 16 45	TQO	Allen, TX
Gravimetric Analysis by Method 2540D	WG1951834	_	10/31/22 11 47	10/31/22 13 44	99	Allen, TX
Wet Chemistry by Method 120.1	WG1951221	-	10/29/22 13:21	10/29/22 13 21	001	Allen, TX
Wet Chemistry by Method 1564A	WG1955767	_	11/08/22 08 CC	11/08/22 15:51	₹	Allen, TX
Wel Chemistry by Method 300 C	WG1950258	_	10/28/22 02:04	10/28/22 02 04	EG	Allen, TX
W∈L Chemistry by Method 300 0	WG1950268	_	10/28/22 10:57	10/28/22 10:57	BG	Allen, TX
Wel Chemistry by Method 300 C	WG1956087	_	11/08/22 14 38	11/08/22 14 38	BIG	Allen, TX
Wet Chemistry by Method 351 2	WG1954132	_	11/07/22 01 32	11/08/22 21 06	EJ.	Mt Juliet TN
Wet Chemistry by Method 4500Cl G-2011	WG1953145	_	11/02/22 14 16	11/02/22 14:16	ŝ	Mt Juliet TN
Wet Chemistry by Method 4500P-E	WG1957019	50	11/10/22 17:32	11/10/22 17:32	KCM	Allen TX
Wel Chemistry by Method 5220D	WG1952279	_	11/02/22 10 43	11/02/22 17:01	RJP	Allen, TX
Wel Chemistry by Method 5310C	WG1955435	5	11/07/22 20 09	11/07/22 20:09	93	Allen, TX
Wel Chomistry by Method SM 4500-H+B	WG1950275		10/30/22 16:51	10/30/22 16 51	RJP	Allen, TX
Wot Chemistry by Method SM4500NH3H	WG1950526	10	10/28/22 15 03	10/28/22 15 63	eg Eg	Allen, TX
Wet Chemistry by Method SM52108	WG1949892	-	10/27/22 15 59	11/01/22 15 29	RJP	Allen TX
Wet Chamistry by Method SM52108	WG1950227	-	10/27/22 18 46	11/01/22 16:14	뫈	Allen TX
Metals (ICP) by Method 200 7	WG1953409	_	11/02/22 16:29	11/05/22 14:28	ĘS	Allen TX
Metals (ICP) by Method 200 7	WG1953409	20	11/02/22 16:29	11/06/22 14:46	EJS	Allen, TX
Metals (ICP) by Method 200.7	WG1953998	-	11/03/22 15 27	11/06/22 16 18	EJS	Allen, TX
Metals (ICP) by Method 200 7	WG1953998	20	11/03/22 IS 27	11/07/22 11:14	EJS	Allen_TX
SCHREIBER SAMPLE #1 L1551018-02 WW			Collictud of	Collected diate/time Secented date/time 10/27/22 09 03 10/27/22 13:57	Received date, 10/27/22 13:57	nme
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	dale/lime		
Calculated Results	WG1950455		11/01/22 22:01	11/01/22 22 01	KCM	Allen, TX
Wirt Chemistry by Method 3500Cr-B	WG1952229	=	11/01/22 18 24	11/01/22 18:24	KCM	Allen, TX
Wel Chemistry by Method 4500CN-E	WG1956592	-	11/09/22 10:15	11/09/22 15 58	KCM	Allen, TX
Mercury by Method 2451	WG1957463	-	II/10/ZZ 11:39	11/10/22 16:06	CEK	Allen, TX
Meials (ICP) by Meihod 200 7	WG1950455	10	10/28/22 09 45	11/01/22 22 01	EJS	Allen, TX

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOC) and RDL (LOC) values reported for environmental samples have been corrected for the diultion factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the aboratory, and no information or data have been knowlingly withheld that would affect the quality of the data









Ġ, SS







ACCOUNT Enviro = 2 Engineering

PROJECT:

SDG L1551018

DATE/TIME: 11/22/22 12 21

PAGE 3 of 38

Enviro-Ag Enginivering

ACCOUNT

PROJECT

18508

DATE/TIME 11/22/22 12 21

PAGE 4 of 3E

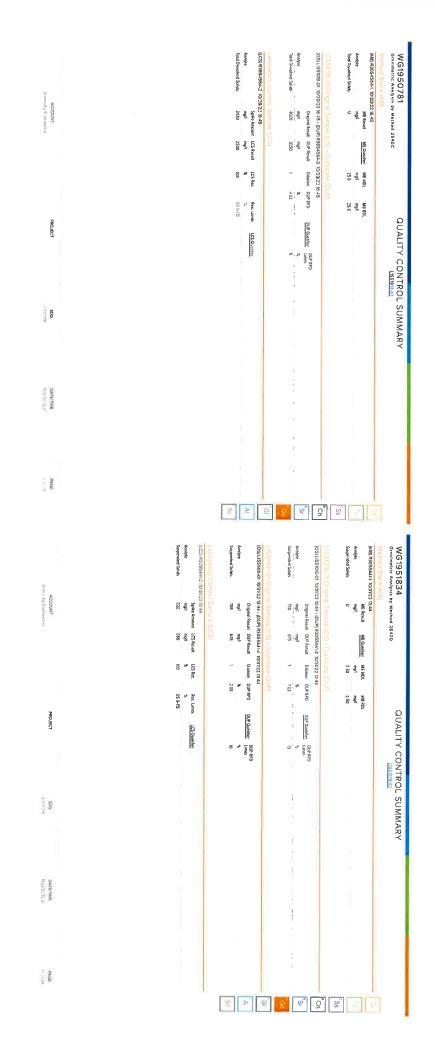
ACCOUNT Enum 49 Engineering	Chlohaesesdus	Analyte		Wet Chemistry by Method 4500Cl G-2011	Separate Services	Visidabi Nirroggo TVN	Analyte		Wet Chemistry by Method 351.2	dente	Nutate	ridolide	Chloride	Analyte		wet chemistry by Method 300 0		O & Green Hyrane Est:	Analyte		Wet Chemistry by Method 1664A		L1551018-01 WG1951ZZ1 -:t 25C	Sample Narrative:	The same was and a second	Strong Conductive	Schalute	The Conclined you	Wet Chemistry by Method 120.1	Spinor panuadyne	Analyte		Gravimetric Analysis by Method 25400		Total Dissolved Solids	Analyte	127H - 1	Gravimetric Analysis by Method 2540C		വഹ്താക്കു ഡെട്ടാവ	Analyte		Calculated Results	addition was of boot was o	Sodium Adsorption Butto	Anabda	Calculated Results		Californ Fearl	Analyte	Mile colorody by Medico Jeseph	Microbiology by Mi	SCHREIBER SAMPLE #1	
TOUNT	0.921	mg/l		Method 45000	i	13.7	DO.		Method 351.2	Š	ž 2	6	DB71	mg/l	Result	vietnog 300 0		7.40	mg/i	Result	Method 1664A		25C			5410	Result	000	Method 120.1	/30	mg/l	Result	is by Method		4020	mg/l	Result	is by Method		9.57	mg/l	Result		0 33	376	Result			1900	cfu/100 ml	Pacult Pacult	ethod 92220	MPLE #1	
	201	Qualifier		CI G-2011			Qualifier	1000000							Qualifier					Spulling							Qualifier					Qualifier	25400				Qualifier	2540C				Cunling				Qualifier				and	Qualifier			
PROJECT	0.100	mg/l			2000	in case of				9	0 500	0 500	0.500	mg/l				5 21	mg/l							000	ROL			123	Ī				25 0 1	mg/l	RDL :			0 250		RDL				ROL			10/28/	date / time	Dilution Analys		SAMPLE	
L1551018	1002/2022 14 16	Doubbon Analysis			Control State Control	Wild California	Outton Analysis			20 01 22 02 101	10/28/2022 02 04	10/20/20204	95:9L7207/80/U	date / ume	Dilution Analysis			IV98/2022 15 51	date / time	Dilution Analysis					To be the second		Dilution Analysis			10/37/2/2/10/31		Dilution Analysis			10/28/2022 16:45	date / time	Dilution Analysis			11/08/2022 21:06		Dilulion Analysis		11 220271011		Dilution Analysis			19/28/2022 15 IC WG1951668	lime			SAMPLE RESULTS - 01	
28	W61953149	Baich	7		11000000	WICHOE ATTO	Batch			1000000000	WG1950.268	SOZOCEIO M	W61956087		Batch			WG1955767		Butch					1000000	W51951777	Batch			W61351839		Batch			WG1950781		Batch			WG1950526	1	Balch		10000000	ulcont and a	Batch			186				91	
DATE/TIME: 1/22/22 12 21																																																						
PAGE: 5 of 38																																		20	2		Δ		<u>D</u>		O _C		Ω,		9][SS		Tc		2			
Spyll C-													Sodium, Dissolved	Sodium	Magnesium Dissolved	Magaesium	Calcium, Dissolved	Calcium	Analyte		Metals (ICP) by Method	CBOD	900	Analyte		Wet Chemistry by Method SM5210B		Ammonia Nitrogen	Analyte		Wet Chemistry by Method SM4500NH3H		L1551018-01 WG1950275 8 68 at 21 2C	Sample Narrative:	5	Allelyte	Anabito	wet chemishy by Method 3M 4300-H+B	What Obomistor F	TOC (Total Organic Carbon)	Analyte		Wet Chemistry by Method 5310C		300	Analyte		Wet Chemistry by Method 5220D	Prosphanis, Ichal	Analyte		Wet Chemistry by Method 4500P-E	SCHREIBER SAMPLE #1	
ACCOUNT Source Ag Enganyming													1110	1050	42 9	44 .6	නු ලා	888	mg/l		Nethod 2007	2	5 S	mg	Residt	y Method SM52		3.72	mg*	Result	y Method SM45		5 8 68 at 21 2C		000	o 50	Result	by Michiga Sivi 4.	N		ng/l	Result	by Method 53100		140	mg/l	Result	ov Method 5220	0	mg/l	Result	by Method 4500	3AMPLE #1	
													 <							Qualifier					Qualifier	HOR.				Qualifier	OONH3H				le	10	Qualifier	0.00	000			Qualifier						0			Qualifier	P-E		
PROJECT													20 0 20	20 0 20	1.00 1	1.00	1.00	100 1		RDL Dr		30.0	300	mg/l	RDL DII			100		RDL D					10.01.2702.001	Uniter tille	Dilubon Analysis			3 50					35.0	mg/l			250 -50		RDL DI		SAMPLE	
SDG L1551018													11/06/2022 14 46		11/05/2022 14 28	11/06/2022 16:18	11/05/2022 14 28	11/06/2022 16 18		Driution Analysis		67 C1 72074041	11/01/2022 16 14	date / tme	Dilution Analysis			10/28/2022 15:03		Diution Analysis					V270561934		Batch			1007/2022 20:09	dide / time	Dilution Analysis			11/02/2022 17:01	-	Diubon Analysis		11/10/2022 1/ 32		Dilulion Analysis		SAMPLE RESULTS - 01	
TO.													WG1953409	WG1953998	WG1953409	WG1953998	WG1953409	WG1953998	l	Batch		7596b6194A	WG1950227		Balch			WG1950526		Balch					Mo					WG1955435		Batch			WG1952279		Baich		WG1957019		Batch		<u> </u>	
DATE/TIME: 1/22/22 12 21																																																						
PAGE 6 of 38																																	1	50			ΔΙ		2		O	1 1	Si		Cn	1	Ss	4	Tc					

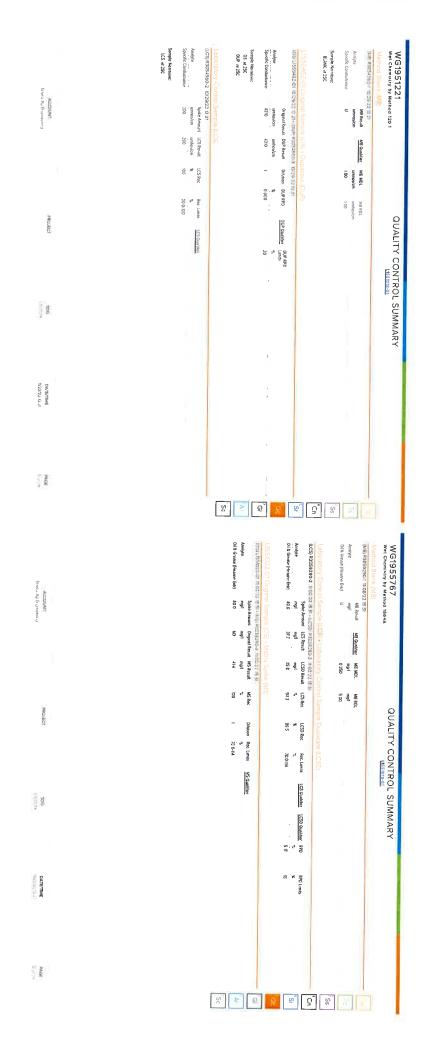
ACCOUNT: Enviro-Ag Engineering		Silver Thatlium Zinc	Nickel Selenium	Copper Lead	Chromium	Boron	Beryllum	Arsenic	Апштолу	Aluminum		Metals (ICP) by Method 200.7	Analyte	Mercury by Method 2451	Cyanide	Analyte	Wet Chemistry by Method 4500CN-E	Chromium.Hexavalent	Analyte	Wet Chemistry by Method 3500Cr-B	Chramium,Trivalent	Analyte	Cdiculated Results
JNT:		ND ND 0.117	N N	N N	N S	S 8	ND OV	N N	ND 5	3 800 1 800	Result	hod 200.7	mg/	1 245 1	ND	mg/li	Method 4500	180	mg/l	Method 3500	35	mg/l	
		0 0 0	0 0	0 0	0 0	. 0	0 6		0 (9 3	Qualifier R		Gualling			Qualifier			Guaillier			quamier	
PROJECT:		0 00500 1 0 0200 1 0 0250	0 0160 T	0 0200 #	0 00700	0100	0.00100	0200	0.0250	n mg/s	RDL Dilution	0 000200 1	with binds		0.0000			0 00300	mg/l Dilution		0 00300	mg/l	
SDG 11551018		11/04/2022 22:01 11/04/2022 22:01 11/04/2022 22:01	1V01/2022 22:01 1V01/2022 22:01	11/01/2022 22:01	100A2022 25:01	11/01/2022 22:01	11/01/2022 22:01	11/01/2022 22:01	10002022 22:01	11/20/20 22 22:01		1410/2022 16 06	date / time		11/09/2022 15:58	Dilution Analysis date f time		11/01/2022 16:24	date / time		11/01/2022 22:01	date / Ime	
		WG1950455 WG1950455	WG1950455 WG1950455	WG1950455 WG1950455	WG1950455	WG1950455	WG1950455	WG1950455	WG1950455	WCC0C0ACG	Batch	WG1957463	Batch		WG1956592	Batch		WG1952229	Batch		WG1950455	Batch	-
DATE/TIME: 11/22/22 12 21																							
PAGE: 7 of 36												07°2	A		<u>n</u>	O _C	S.			SS	To		G
	ACCOUNT HOUSEST TOO ACTIVE MATERIAL MAT							Coffman Read 200 200 100 100 100	Original Result Dil Pietsult Dilutan Dup 9190 <u>DUP Granifer</u> DUP 980	054977-3 10/20/22/15 10	L1551018-37 Cyranal Samola (OS) + Duolico (- OUIP)	nt <u>M8 Cualifer</u> NS NOL N8 80L ed 200 ed (N. NOCH)	Method Blank (MB)		HE Charlete WE MOL. MERDL OUTDOM Charlet Charlet I		WG1951868 GUALITY CONTROL SUMMARY MICROBIORDY BY MICHAEL 92220 USSISTEADS						
							19	1 2		Ū.	H	δ	5,	SS	.=]			I					

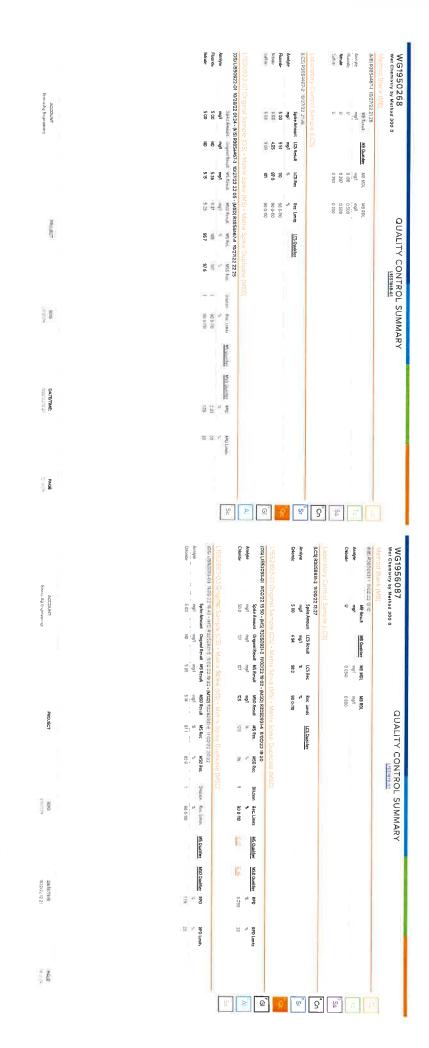
SCHREIBER SAMPLE #1

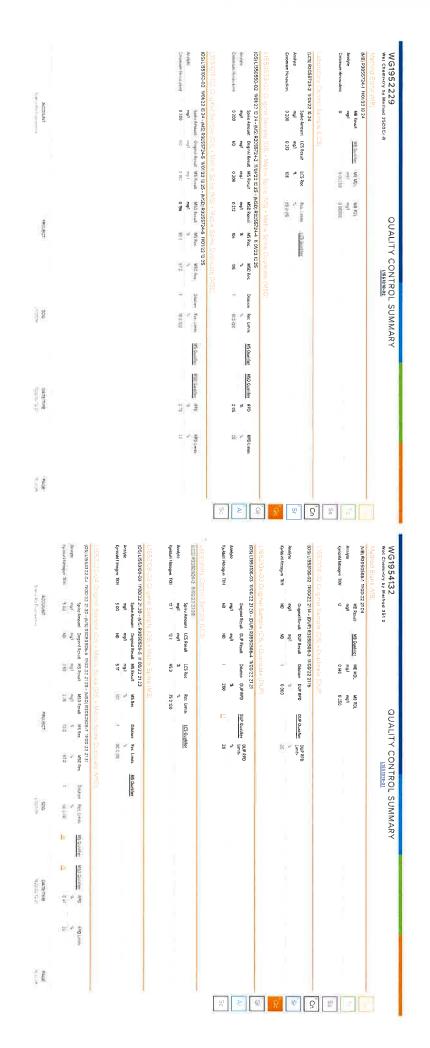
SAMPLE RESULTS - 02

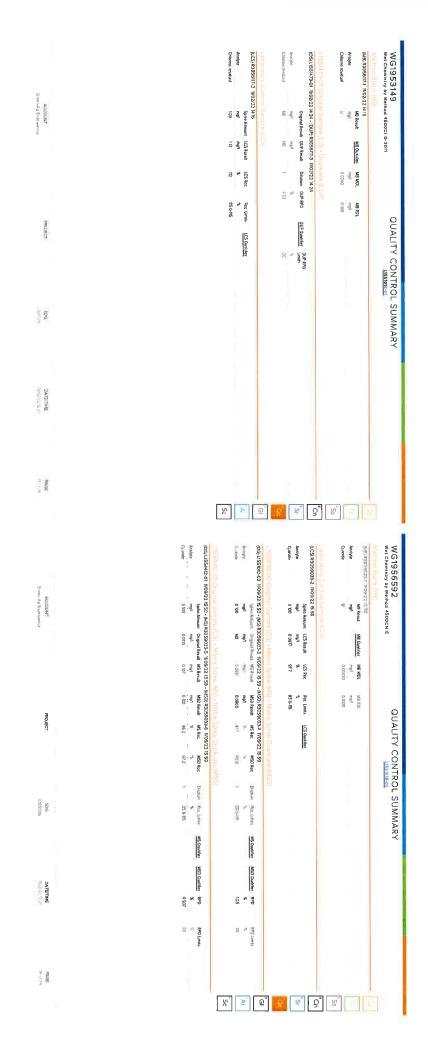
Calculated Results

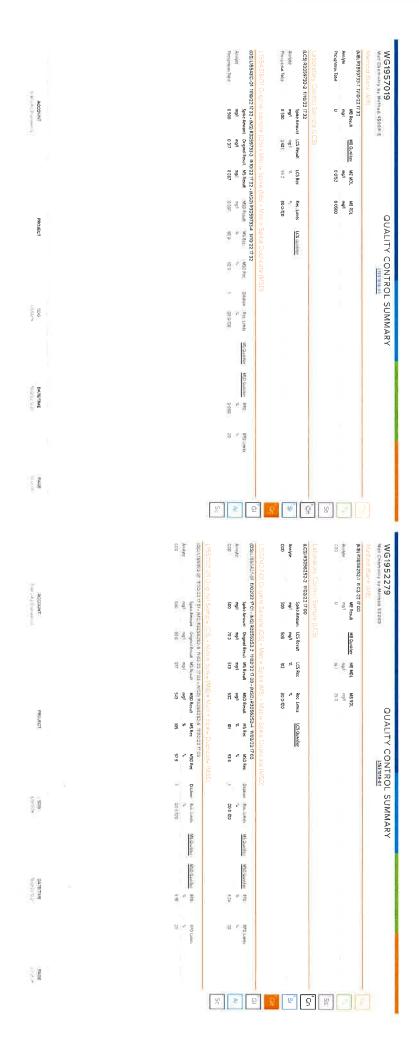




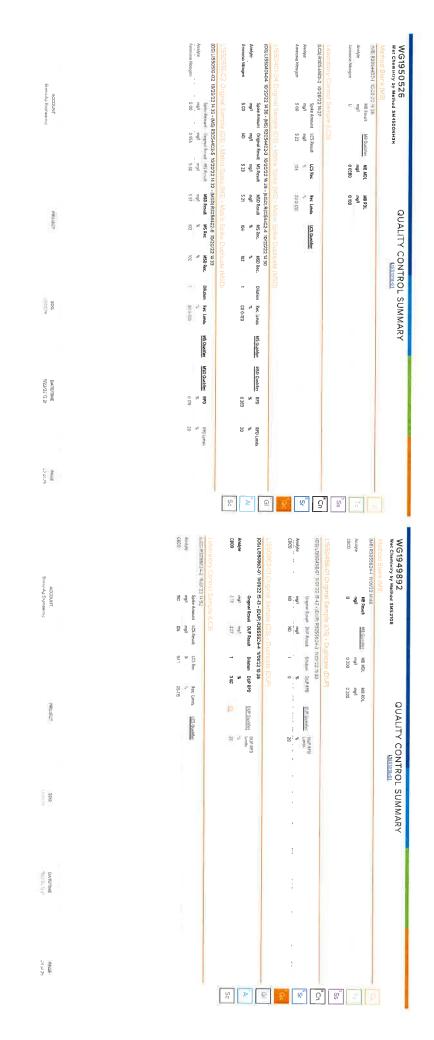


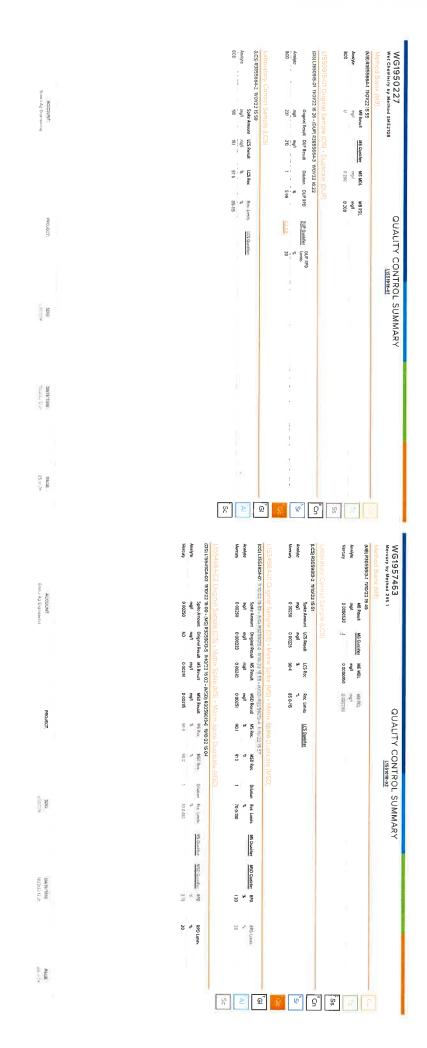


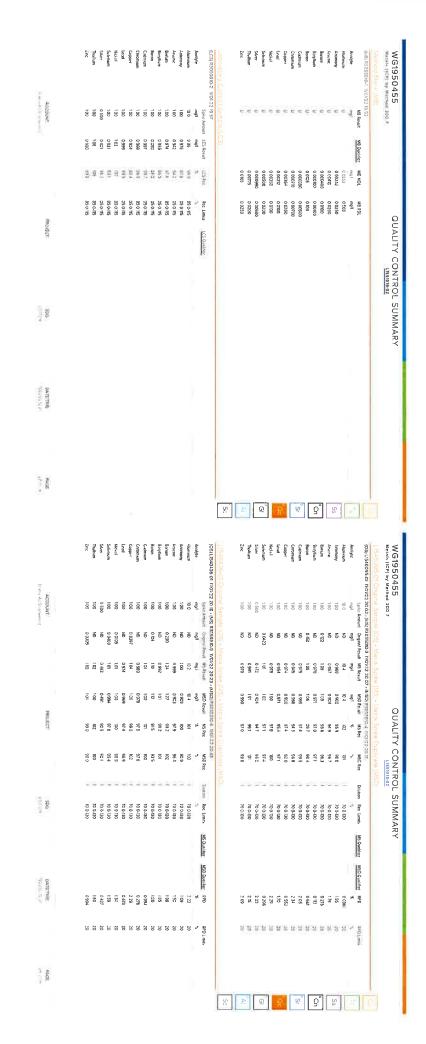


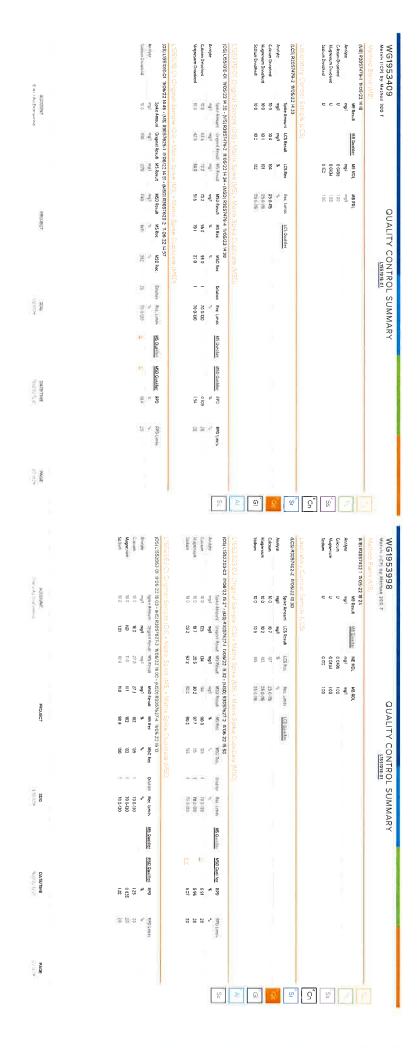












GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not infunded as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions Results Declamer - Information that may be provided by the customer, and contineed within this report, include Permit Limits, Polyect Name. Sample: Di Sample: Maritis, Sample-pesk-eviation, Falsel Blanck, Falsel Spikes, Falsel Duplicityses, On-Sales, Sampling Collection Dates/Times, and Sampling Location Results retain to this rectaincy of this information provided, and is the samples are necessical.

7000000000	
MCL	Method Detection Limit
S	Not delected at the Reporting Limit (or MDL where applicable)
RDL	Reported Detection Limit
Rec	Recovery
RPD	Relative Percent Difference
SDG	Sample: Delivery Group
C	Not delected at the Reporting Limit (or MDL where applicable)
Analyte	The name of the particular compound or analysis performed. Some Analysiss and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfixing material, the sample preparation volume or weight values differ from the standard, or if concentrations of inables, a the sample are number than the highest limit of concentration that the laborator con accurately report the sample way be diluted for analysis. If a value different than 1 is used in this field, it result reported has already been corrected for this factor.
Limits	These will the target 5 recovery impost of 5 difference, value that the lideoratory has historically determined he normal for the mandel and analysis being reported Successful QC Sample analysis will target all analysis recovered as

The non-spiked sample in this piep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.

Qualifier

Original Samplu

Result

This calaim provides a listal windor number yearshore that conversables to outdoon information concerning the result reparted of 10 Qualifies prevent, a calainfulpon per Calainful supprovided within the Obersity and Definitions page and potentionly a discussion of bissible implications of the Qualifier in the Cole Nitrigialy if applicable. schul analyticil final result protected för any jämpla säärde försischriktick köptinch för yout sämpla. Bleu was ossisulate inauti stämmad för i opside strakfar för assult in försischulm nölly kötte. Volt (Volt Chaspid) a i Blg. ii om blaschtibil Layks. The littlimities in han säärde solutinn störd alvängs bei accingsmisst by ottan min Mig. Bridd Draschon (Emil an Böt, järjöpining þekydden timtt maj ekina sitn (omessi virtus that the abajotaty dodd dekod

Confidence level of 2 sigma

Case Narrative (Cn)	Uncertainty (Radiochemistry)
A biref discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the incominy from the field or during the analytical process. If present, there will be a section in the Case Natrole to document to meaning a lay of an analytic section.	Confidence level of 2 signa

This section of the report includes the results of the Intonatory quality control antilysis required by procedure or analysical methods to assist in evolutioning the violation of the results reported by good smarkers the analysis are not being performed on your samples yearship, but on absolution yearship analysis. The second in the control is simple, syntaxing, but on absolution yearship analysis. The second is the control is simple, when the samples were through control is used to verify the time and this of the control is personal of the samples when the analysis is required to perform the control is personally an individual of the samples when the analysis is required to the control of the control of the control of the samples and the samples are samples are samples and the samples are samples and the samples are samples and the samples are samples are samples and the samples are samples a

This section of you import will brooke the results of all pasting beformed on your samples. These results an introduced by semplational or need to be supplet the boarded line of each analysis, section to see that the broadest the camera and method number for the analysis section to see the supplet the product the camera and method number for the analysis septiment.

This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis

Qualifier	Description
m	The analyte concentration exceeds the upper limit of the coltration range of the instrument established by the initial collaboration (ICAL).
_	The identification of the analyte is acceptable, the reported value is an estimate
C _S	The sample matrix interfered with the oblifty to make any accurate distermination, spike value is high
76	The sample matrix interfered with the ability to make any accurate determination, spike value is low
K	The sample dilutions set up for the BOD/CBOD analysis did not meet the critical of a residual dissolved oxygen of at least 1 mg/L. Reported result is an estimated value.
K9	Test replicates show more than 30°c difference between high and low values
믹	RPD value not applicable for sample concentrations less than 5 times the reporting limit
T8	Sample(s) received past/too close to holding time expiration
<	The sample concentration is too high to evaluate accurate spike recoveries

ACCREDITATIONS & LOCATIONS

0309

Pace Analytical National	12065 Lebanon Rd Mount Juliet, TN 3/122	13/122	
Alabama	40660	Nebraska	NE-0S-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizono	AZ0612	New Hampshire	2975
Arkansas	20-0469	New Jersey-NELAP	TNO02
California	2932	New Mexico "	TNOODO3
Colorado	TNOCOCE	New York	H742
Connecticut	PH-0197	North Carolina	Env375
Florida	ED7407	North Carolina 1	DW21704
Georgia	NELAP	North Carolina 3	=
Georgia 1	923	North Dakota	R-140
Idaho	TN00003	Ohic-VAP	CL0069
Illinois	200000	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	60-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky 18	KY90010	South Carolina	84004002
Kentucky 2	16	Sauth Dakota	n/a
Louisiana	AI30792	Tennessee 1 a	2006
Louisiana	LAOR	Текаѕ	T104704245-20-10
Maine	TNDODD3	Texas 5	LAB0152
Maryland	324	Ulah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	3266	Virginia	110033
Minnesota	047 999-395	Washington	C847
Mississippi	TN00003	0	233
Missouri	340	Wisconsin	990093910
Montana	CERT0006		A2L4
A2LA - ISO 17025	1461 01	AIHA-LAP LLC EMLAP	100709
A2LA - ISO 17025 \$	1461 02	DOD	1451 01
Canada	1461.01	USDA	P330-15-00Z34
EPA-CIVEIO	TN60003		

0

2¹S C SS

D		

















SS















































































































































































Sc

for the method and analytic being reported. Successful QC Sample analysis will imper all analytics recovered or outplicated within these ranges.











Sample Chain of Custody (Sc)

Summary (Sc)

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical Onning Water 2 Underground Storage Tanks 3 Aquabit Toxicity 4 Chemical/Microbiological 5 Mold 4 Wastewater Not all certifications held by the laboratory are applicable to the results reported in the attached report

n/a Accreditation not applicable

T104704232-22-37

LAGOOGL

88-0647 E07116 400 30686

Texas Oklahoma

E10360 T104704232-ZZ-37 9727

Sample Summary (Ss)

Sample Results (Sr)

Enviro-Ag Engineering ACCOUNT

PROJECT

SDG L1551018

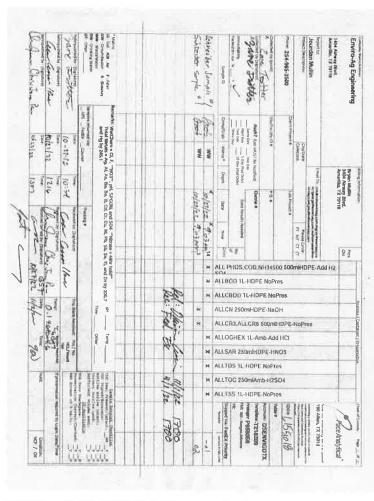


DATE/TIME

T) III	Þ
Businista 8 ₈	CCOUNT

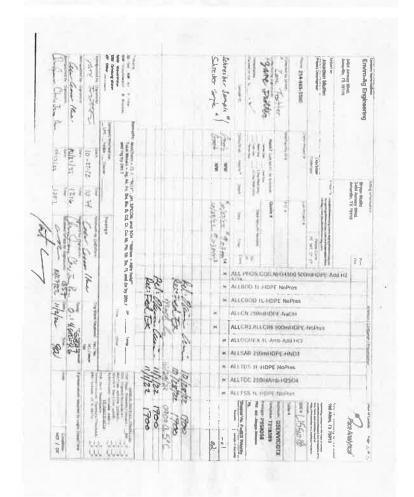


SDG	
G	



D. J. Chan In R.	Corn Com Miss	Mary States	99	P = F-duty B = Biotectury		School Sayle #1	Schreiber Jampso 4/	Slower CO	Mary June	Confessor of the confessor	A CONTRACTOR OF THE PARTY OF TH	254-965-3500	Printed Descriptions	Jourdan Mullin	190s Alivery Blvd. Armarillo, TX 79119	Enviro-Ag Engineering
	10[17]21	(0-17-35	GPS Partie Course	Amendal spicitions - Cl. F. Trink Messo, - Ap., and rig by Zes.1.		Contract Man	-	Comp/Grab Matrix*	Service Deep	Roady? (Lab MUST Be Hoteled)	SIRPERIOR CO	Constituent a	Supplied Control of Co			
200	Jan 197	200	Tracket 6	ROJ", pH, SPCOM, and S N, As, Ba. Bu, B. Cd, Cr, C		20/22/22	dela	Depth Date	Sher Day A Day (Red Only) D Ony (Red Only)	onfed] Canter	*8.	a Define VII		The part of the last	John Autory Bod.	The state of the s
parametric Manager	Maritan 1	Car Can Man		THEITIMEN : cit, i "ROOT", pM, SPICON, and SOA "Restrain - day hold" Tried Messies - 4g, 44, 45, the Bes, B, Cod, Cr, Cu, M, Pe, 55, 56, 15, 15, and 27 by 200.7 and Ng by 248.1.		E workow	X X 31 445 C.D.		ORR 500n		-	-	20.0	loPres	[2]	The second
10/27	ではいった。	AND AND PROPERTY AND SELECT		by 200.7 DNTemp	Par. Paris	*	×	FTWI TKN:	FC Microt 250mH-DI Metals 26 Chem 500m	elog E-H Omlf	iciii 2SO4 IDPE	HNÓ				Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Ow
20 / On The Party of	and if preservation expending tage. Deal/fore	1	10	OCC Sensitive Control of Control	Lucy (1/1/21 1700	63	3	Dispose Via. FindEX Philadly	Principle P938058	NICOLANGE COMPANY	Calle P	31015917 sea	THE STATE OF THE PARTY OF THE P	190 ABM, TX 75073	Расо Алаубса!	The same of the sa

Pace Analytical S	Document Name: ample Condition Upon Receipt	Document Revised: 7/27/20 Page 1 of 1
/ Nace Autoryucai	Document No :	issuing Authority:
S. C.	F DAL-C-001-rev 14 nple Condition Upon Recei	Pace Dallas Quality Office
□Dallas	Pr Worth □Corpus Christ	
Library	Ert Worth Ocorpus Christ	DAUSUN
Courter: FedEK D UPS 2 USPS 2 Client / 1.50	Project Work order (place I ACE or Other)	abell: L1551018
Cuttody Seaf on Cooler/Bits Yes to No of Received on Ker West Bitte to Na ter to Receiving Lab 1 Thermometer Used: FWT MD3	Caoler Temp °C: <u>() · lo</u> (Record	ed) -0.5 (Carrection Pactor) Q · \ (Actual
Receiving cab 2 Thermometer Used: 12 7	Cooler Temp °C: 1.9 (Record	cd) 05 (Correction Factor) 4 (Actual
Temperature should be above firexing to 6°C uni	less cullected same day as receipt in u-	high evidence of engline is acceptable
		area extractive of country is seccipante
Friaga Parapa: (6 Date: 1)	711.12	
Chain of Custody relinquished	Yes of No =	
Sampler name & signature on COC	Yes Z No D	
	1907 No 11	
ugin Person J. W time 16	1	
opn Person J. W time: 16	larlas	
Short HT analyses (<72 hrs) Spin Person J. W. time 16 Sufficient Volume received Correct Container used Container Intact	127/22 Yes \$ No 5	
sein Person J. W. tine J. Sufficient Volume received Correct Container used Container Intact Sample pH Acceptable	Yes \$ No = Yes \$ No =	Ao
sign Person Time of Sufficient Volume received Correct Container used Container Intact Sample pH Acceptable 9H Strips QUOS Residual Children Present	Yes No = No	
Sufficient Volume received Correct Container used Container Intact Sample pH Acceptable pH Strips: [4](005) Residual Chlorine Present LESCO	Yes No = Yes No = Yes No = Yes No = No	۸ ۵
spin Parton J W thre 6 Sufficient Volume received Correct Container used Container Intact Sample pat Acceptable #1 Strips: 64005 Cistips: 14560 Suffide Paysent	Yes No = No	۸ ۵
Sufficient Volume received Correct Container used Container Intact Sample per Acceptable H Strips: QUOS Residual Chinine Present Cistips: Last Leo Listips: Last Leo Lead Acetate Strips: 14860	Yes & No :: Yes & No :: Yes & No :: Yes & No :: Yes D	A 0
Sufficient Volume received Correct Container used Container intact Sample pH Acceptable pH Strips: CS trips: CS t	Yes & No = Yes & No = No	A 0
Sufficient Volume received Correct Container used Container Intact Sample pH Acceptable pH Strips: LOHOOS Residual Chlorine Present Clateps: Lohoos Sufficient Volume Present Lead Acceptable Lead Acceptabl	Yes No :: N/	A 0
Sufficient Volume received Correct Container used Container intact Sample pH Acceptable pH Strips: LALGO Cisters: LALGO Sufficient Volume Present Cisters: LALGO Are soil samples (volatiles, TPH) received in (not applicable to TCLP VOA or PST Program T	Yes & No = Yes & No = Yes & No = No	A 0 A 0 A 4
Sufficient Volume received Correct Container used Container Intact Sample pht Acceptable pht Strips: [4,000] Residual Childrene Present Cistrips: [4860] Lead Acetate Strips: [4860] Are soil samples (volatiles, TPH) received in (not applicable to TCLP VOA or PST Program I (not applicab	Yes & No :: Yes & No ::	A 0 A 0 3 1
Sufficient Volume received Correct Container used Container intact Sample pH Acceptable pH Strips: [44005] Residual Chinner Present Costrips: [4860] Lead Acetate Strips: [4860] Are soil samples (volatiles, TPH) received in (not applicable to TCLP VOA or PST Program In(not applicable to TCLP VOA or PST Program In(not applicable to TCLP VOA or PST Program Present In(not applicable to TCLP VOA or PST Program In(not applicable to TCLP VOA or PST Program Project sampled In VOA (PBmim)	Yes & No :: Yes & No ::	A 0 A 0 3 1
Sufficient Volume received Correct Container used Container Intact Sample pH Acceptable pH Strips: QUOS Residual Chinine Present Cistrips: Last too United Present Lead Acetate Strips: LAST Are soil samples Volumentalities, TPHI received in China tapplicable to TCLP VOA or PST Program T Unpreserved \$035A soil frozen within 48 hr Headspace in VOA planin. Project sampled in USDA Regulated Area or Texas State Sampled:	Yes No :: No :: Yes :: No :: No :: No :: No :: Yes :: No :: N	A 0 A 0 3 1
Sufficient Volume received Correct Container used Container Intact Sample pht Acceptable pht Strips: [4,000] Residual Childrene Present Cistrips: [4860] Lead Acetate Strips: [4860] Are soil samples (volatiles, TPH) received in (not applicable to TCLP VOA or PST Program 1 Unpreserved 5035A soil frozen within 48 hr Headspace in VOA (P6mm) Project sampled in USDA Regulated Area or Texas	Yes & No :: Yes & No ::	A 0 A 0 3 1





*	Document N		Greater's harvest (1777/a) Page 1 of 1
PaceAndysout	Document	ðua -	Issuing Authority
	F DAL C-001		Pace Dallas Quality Office
col	Sample Conditi	Consus Chri	
COM	las MFEWorth	cocoupas musi	ISTI LIAUALIA
Courier Feet XIII OPE O UNES O Design	pintent Project	Work grant (plac	celabell: L1551018
	Cooler Temp		(Act) (Act) (Act) (Act) (Act) (Act) (Act) (Act)
Iriage Person			
Chain of Custody relinquished		Yes / 50 :	
Sampler name & signature on COC		Yes / No	
Short HT analyses (<72 hrs)		YEL NO IS	
Login Person JW	10/27/22		
Sufficient Volume received Correct Container used	10/27/22	Yes / No :	
SUB-BEHE Volume received	10/27/22		A gran
Sufficient Volume received Correct Container used Edintaliver littles*: Namble pri Acceptable	<u> </u>	Yes / No =	
SLH-dahl Volume received Correct Container used Container Intact Lamble pri Acceptable pri Strines (\$11005	10/27/22	Yes / No =	NA si
Sufficient Volume received Correct Centainer used Container Intaer Jambile per Acceptable SH 51:1615 Residual Charine Present Clarific Clarific Clarific Clarific Clarific Clarific Clarific Clarific Clarific	10/27/22	Yes / No /	NA u
Sufficient Volume received Correct Container used Editativer listact Samisle privaccoptable 94 Strint Sendual Charine Present		Yes / No : Yes / No : Yes f No :	NA si
Sufficient Volume received Correct Container vised Container Intace Limitation Accoptable #4 Stripts Galleo Stripts Galleo Stripts Calleo Stripts Sufficient S	102. eved in 50358 krs	Yes / No /	NA U NA U NA J
Sufficient volume received Correct Container weed Container Intact Sample per Acceptable #1 Stript Grace Grace Grace Grace Legal Container Person Legal Container Legal Acceptable Legal Acceptable A	ÅDZ. Rived in 5035A KRS Ogram TPN)	Yes o No f	NA SI NA SI NA SI
Cutteriant volume received Correct Container wood Container Intact Sample per Acceptable #1 Stript Cotteria Cotteria Cotteria Surface Program Legal Cotteria Legal Cotteria Legal Cotteria Ace and Legal Cotteria Ace and Legal Cotteria (not explicated https: 145 Ace and Legal Cotteria (not explicated to TCLP VOA or PST P)	ÅDZ. Rived in 5035A KRS Ogram TPN)	Yes of No Yes or No h	NA SI NA SI NA SI
Sufficient Volume received Correct Container used Container Intace Salmbie per Acceptable 49 15 1161 Garden Ferenn Garden Verenn Ledd Acetate Simple Ledd Acetate Simple (not septicable to TCD VOA or PST P Unit	102. Avved in 5038A Kits Agram TPH) In 48 hzs	Yes o No o	NA SINA SINA SINA SINA SINA SINA SINA SI
Sufficient violatie received Correct Container weed Container intace Jamisto pri Acceptable #1 Stripts Gallery Garries Suffice Present Leed Acetate Stripp Leed Acetate Stripp Leed Acetate Stripp University of Suffice Present Project Suffice University of Suffice Present Readspace in VOA (Semin) Project surposet in USDA Regulation Texas	102. Avved in 5038A Kits Agram TPH) In 48 hzs	Yes of No of Yes of No	NA SI NA SI NA SI NA SI NA SI NA SI NA SI



Pace Analytical ANALYTICAL REPORT

Enviro-Ag Engineering

Samples Received: Sample Delivery Group: L1553075 11/02/2022

Project Number:

Description:

Report To:

3404 Airway Blvd, Jourdan Mullin

Amarillo, TX 79118

Entire Report Reviewed By: Magan Ama,

Reagan Johnson Project Manager

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com Positionals only to the lower segred or colonized out an expelled is concreded usings. This lest express that not we reproduced, except in the inholonization of colonization of the benefits a smooth produced by Plaza disalphane blood to be dismonted graduated and standard in stocking six creations on procedures 5M K40PM III. 40062 and SMX SDAM III. 40068 if the section of the controller in stocking six creations are controller in stocking six creations and the sections of the inhomostic provided, and all the large of the controller in stocking six creations are controller in the controller in the section of the section of the sections of the controller in the section of the section of the section of the controller in the section of Pace Analytical National

TABLE OF CONTENTS

Cp: Cover Page

Ss: Sample Summary

To: Table of Contents

Cn: Case Narrative

Sr. Sample Results

SCHREIBER SAMPLE 2 L1553075-02 SCHREIBER SAMPLE 2 L1553075-01

Oct Quality Control Summary Microbiology by Method 3222D

Gravimetric Analysis by Method 2540C Grevimetric Analysis by Method 2540D

Wet Chemistry by Method 120.1

Wet Chemistry by Method 300.0 Wet Chemistry by Method 1664A

Wet Chemistry by Method 4500Cl G-2011 Wet Chemistry by Method 351.2 Wet Chemistry by Method 3500Cr-B

Wet Chemistry by Method 4500P-E Wet Chemistry by Method 4500CN-E

10 11 13 13 16 17 19 20 20 21 21 22 23 23 23 28 28 29 29 29

Wet Chemistry by Method 5310C Wet Chemistry by Method 5220D

Wet Chemistry by Method SM4500NH3H Wet Chemistry by Method SM 4500-H+B

Mercury by Method 245.1 Wet Chemistry by Method SM52108

GI: Glossary of Terms Metals (ICP) by Method 200.7

Sc: Sample Chain of Custody Al: Accreditations & Locations

PROJECT:

ACCOUNT:

PROJECT:

SDG:

DATE/TIME:

PAGE:

ACCOUNT:

SDG:

DATE/TIME:

\[\frac{\alpha}{2} \] \[\frac{\alpha}{2} \









ω ω ω υ υ υ μ ω





SAMPLE SUMMARY

			Cullected by	Cullected date/lime Received pale/lime	Received cal	e/lime
SCHREIBER SAMPLE 2 L1553075-01 WW			Zane Troller	11/02/22 09:33	11/02/22 14:40	0
Method	Balch:	Dilution	Preparation	Analysis	Analyst	Location
			date/ime	date/hme		
Micropiology by Method 9222D	WG1954037		11/02/22 15 00	11/03/22 15:14	CNC	F: Worth, TX
Calculated Results	WG1956373	-	11/11/22 14:12	11/11/22 14:12	EJS	Allen, TX
Calculated Results	WG1957373	7	11/10/22 17:50	11/10/22 17:50	LD1	Allen, TX
Gravimetric Analysis by Method 2540C	WG1953745		11/03/22 09:53	11/03/22 10:30	100	Allen, TX
Gravmetric Analysis by Method 2540D	WG1953564		11/03/22 24:16	11/03/22 05:55	100	Allen, TX
Wet Chemistry by Method 120 I	WG19538Z0	S	11/03/22 11:19	11/03/22 11:19	100	Allen, TX
Wet Chemistry by Method 1664A	WG1959248	ä	11/14/22 15:26	11/15/22 15:12	₹	Allen, TX
Wet Chemistry by Method 300 0	WG1953866	=	11/04/22 09:19	11/04/22 09:19	SMC	Allen, TX
Wet Chemist y by Method 300.0	WG1958403	37	11/11/22 23:28	11/11/22 23:28	EIG	Allen, TX
Wet Chemistry by Method 300.0	WG1958408	3	11/11/22 22:15	11/11/22 22:15	뜺	Allen, TX
Wet Chemistry by Method 351 2	WG1956753	un.	11/10/22 07:59	11/10/22:7:50	LDT	Mt Juliel, TN
Wel Chemistry by Method 4500Cl G-2011	WG1954442	-	11/04/22 12 38	11/04/22 12:38	R	Mt, Juliet, TN
Wet Chemistry by Method 45002-E	WG1957241	.00	11/10/22 18:37	11/10/22 :8:37	KCM	Allen, TX
Wet Chemistry by Method 5220D	WG1956628	hi	11/09/22 09:07	11/09/22 12:45	SMC	Allen, TX
Wet Chemistry by Method 5210C	WG1956587	Oi.	11/09/22 17:44	11/09/22 17:44	EIG	Allen, TX
Wet Chemistry by Method SM 4500-H+B	WG1955130	-11	11/07/22 14:44	11/07/22 14:44	₽ P	Allen, TX
Wet Chemistry by Method SM4500NH3H	WG1957373	44	11/10/22 14:16	11/10/22 :4:16	EIG	Allen, TX
Wel Chemistry by Melhod SM5210B	WG1953055		11/02/22 17:18	11/07/22 10:57	RUP	Allen, TX
Wel Chemistry by Melhod SM5210B	WG1953060		11/02/22 16 03	11/07/22 13:29	민	Allen, TX
Metals (ICP) by Method 2007	WG1956373	-	11/08/22 17:17	11/10/22 -7:26	EJS	Allen, TX
Metals (ICP) by Method 200.7	WG1956373	Z)	11/08/22 17:17	11/11/22 14:12	EJS	Allen, TX
Metals (ICP) by Method 200_7	WG1956373	ы	11/08/22 17:17	11/11/22 12:29	EIS	Allen, TX
Metals (ICP) by Method 200 7	WG1959919	2	11/15/22 12:06	11/21/22 19:27	EJS	Allen, TX
Metals (ICP) by Method 200.7	WG1953919	25	11/15/22 12:06	11/28/22 10:58	S	Allen, TX
			Collected by	Collected datazime Received cate/time	Race Lad data	е/ите
SCHREIBER SAMPLE 2 L1553075-02 WW			Zane Trotter	11/02/22 09 35	11/02/22 14:40	0
Method	Batch	Dilution	Preparation date time	Analysis date/lime	Analyst	Lucation
Calculated Results	WG1956373	-	11/10/22 17:32	11/10/22 17:32	EJS	Allen, TX
Wet Chemistry by Method 3500Cr-8	WG1954855	-	11/05/22 12:49	11/05/22 12:49	KCM	Allen, TX
Wet Cremistry by Method 4500CN-E	WG1958003	-	11/11/22 10:15	11/11/22 16:22	KCM	Allen, TX
Mercury by Method 245.1	WG1959240	-	11/14/22 10:40	11/14/22 14:58	Ę	Alten, TX
Metals (ICP) by Method 200 7	WG1956373	-	11/08/22 17.17	11/10/22 17:32	EJS	Allen, TX
Metals (ICP) by Method 2007	WG1956373	-	11/08/22 17 17	11/11/22 12:34	EIS	Allen, TX

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criterial except where addressed in this case narrative a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the aboratory, and no information or data have been knowlingly withheld that would affect the quality of the data.

Rusgan Sha

Reagan Johnson Project Manager

SDG: DATE/TIME: PAGE: ACCOUNT: PROJECT: SDG: DATE/TIME: PAGE:

ACCOUNT:

PROJECT:

0314

SCHREIBER SAMPLE 2

7	0
ō	= :
icrobiology	Collected date/lime: 11/02/22 09:33
ö	α.
ō	ate/lime:
2	=
Ď.	ē.
2	≓
/ Method	11/02/22
20	22
ă	9
d 9222D	09:33
Ň	
ö	

Analyte	Qualifier	- `1	Dilution Analysis date / lim	Analysis date / time	Batch	
Coliform Fecal 800		æ)	17/07	11/03/2022 15:14	WG1954037	
Caiculated Results						
Result Analyte	Qualifier	fier RDL	ſ	Dilution Analysis cate / :in	Analysis cate / time	Batch
Sodium Adsorption Ratio 23.4				-	IVII/2022 14:12	WG1956373
Calculated Results						
Analyte mg/l	Oualifier	fier RDL	, r	Dilution Analysis cate / :m	Analysis cate / time	Balch
Organic Nitrogen 25.4		0,100	00	1.00	11/10/2022 17:50	WG1957373
Gravimetric Analysis by Method 2540C	od 2540C					

	Result	Qualifier	RDL	Dilution	Dilution Analysis	Batch
Analyte	mg/l		ng/l		cate / time	
Total Dissolved Solids	3810		250	15	11/03/2022 10:30	WG19537
Gravimetric Analysis by Method 2540D	by Method :	2540D				
	Result	Qualifier	RDL	Dilution	Dilution Analysis	Balch
Analyte	mg/l		mg/l		cate / time	
Suspended Solids	1720		250	_	11/03/2022 05:55	W619539

WG1953745

SC P

Wet Chemistry by Method 120.1

Sample Narrative: L1553075-01 WG1953820: at 25C

Specific Conductance

umhos/cm 5560

100

nate / (ime 1 11/03/2022 11:19

WG1953820

RDL umhos/cm

Dilution

Analysis

Batch

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/t		mg/l		date / time	
ill & Grease [Hexane Extr)	101		5.10		11/15/2022 15:12	WG19592

Analyte Chloride Fluonde Nitrate Sulfate Result mg/l 1320 ND 1,94 181

mg/l 0 800 0 500 0 500 0 700

11/11/2022 22:15 11/11/2022 23:28 11/04/2022 09:19 11/11/2022 22:15

WG1958408 WG1958403 WG1953866 WG1958408

Wet Chemistry by Method 300.0

Qualifier

Analysis

Batch

cale / time

	3	PROJECT:	PR.		NIT.	ACCOUNT
WG1954442	11/04/2022 12:38	_	0.100	18	0.930	(Amplication)
	cale / Sime		mg/l		mg/l	alyfe
Batch	Analysis	Dilution Analysis	RDL	Qualifier	Result	
				I G-2011	lethod 4500C	Wet Chemistry by Method 4500Cl G-2011
WG1956753	11/10/2022 17:50	u	1.25		29.7	dahi Nitrogen, TKN
	cate / time		mg/l		mg/l	alyte
Batch	Dilution Analysis	Dilution	RDL	Qualifier	Result	

PAGE:

ACCOUNT:

PROJECT:

SDG:

DATE/TIME:

PAGE:

SAMPLE RESULIS - 01

								1	
					1		12 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2	7
					1	1			
									0.000
	37.DE	54.015.51				_	FF-P0 75/70/11 -amit/ata	11/6	ate/time
(1	í	1	(1	0	
\(\cdot \)	7	T T	ノD <t th="" こ<="" スt="" ニーノー=""><th>5</th><th></th><th></th><th></th><th>/</th><th>T T</th></t>	5				/	T T
		2		,					

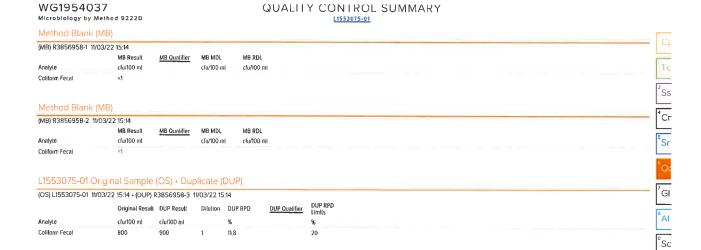
Sample Narrative: L1553075-01 WG1955130: 9 04 at 20 2C	91	Analyte	Met Chemisoly by Medical Swit #2000-11-0	Wet Chemietay by Me	TOC (Total Organic Carbon)	Analyte		Wet Chemistry by Method 5310C	COD	Analyte		Wet Chemistry by Method 5220D	Phosphorus Total	Analyte		Wet Chemistry by Method 4500P-E	SCHREIBER SAMPLE 2
at 20 2C	9 04	200	SUICE CIVI 40	STAN AND AND AND AND AND AND AND AND AND A	67.2	mg/l	Result	thod 5310C	669	mg/	Result	ethod 5220D	9.61	mg/	Result	ethod 4500P	PLE 2 22 09:33
	10	Goding		DO-H+B			Qualifier				Qualifier		1<		Qualifier	m	
	n d	Cildada			3 50	mg/l	RDL		70 0	mgΛ	RDL		5.00	mg/l	RDL		SAN
	11/07/2022 14:44	dale / time	A Color		un		Dilution	ı	191		Dilution		100		Dilution		IPLE RESU
	WG1955130	l G			11/09/2022 17:44	cate / time	Analysis		11/09/2022 12:45	cate / time	Analysis		11/10/2022 18:37	date / time	Analysis		SAMPLE RESULIS - 01
					WG1956687		Batch		WG1956628		Batch		WG1957241		Balch		
80)	<u>P</u>	[[<u>,</u>		၌		Ñ,	Q	1	S.	ς [□]	·Fc	1	0	3′	15

Wet Chemistry by Method SM4500NH3H

Analyle Result gardinaryle mg/l Analyle 3.29	Result mg/l 3.29	Qualifier	RDL mg/l 0.100	Dilution	Dilution Analysis Cate / time 11/10/2022 14:16	Balch W61957373
	Result	Oualifier	ROL	Ollution	Oliutian Analysis	Batch
Analyte	mg/l		mg/l		cate / time	
00	31.6		6.00	4	11/07/2022 10:57	WG195305
CBOB	26.1		6.00	-4	11/07/2022 13:29	WG1953D6
Metals (ICP) by Method 200.7	thod 200,7					
	Result	Qualifier	RDL	Dilution	Dilution Analysis	Batch

Metals (ICP) by Method .	1 200 /						
	Result	Qualifier	RDL	Dilution	Dilution Analysis	Batch	
Analyte	my/l		mg/l		cate / time		
Calciem	105		2.00	2	11/11/2022 12:29	WG1956373	
Calcium,Dissolved	55.4		1.00	-	11/21/2022 19 27	WG1959919	
Magnesium	12.9		1.00		11/10/2022 17:26	WG1956373	
Magnesium, Dissolved	37.5		1.00	-	11/21/2022 19:27	WG1959919	
Sodium	1130		12.0	12	11/11/2022 14:12	WG1956373	
Sadium, Dissolved	1000	I <	20.0	20	11/28/2022 10:58	WG1959919	

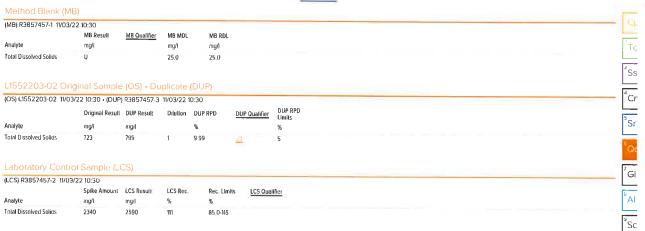
Þ	Zirc	Thallium	Silver	Selenium	Lead	Copper	Chromium	Cadmium	Boron	Beryllum	Barium	Arcenir	Aluminum	Analyte		Metals (ICP) by Method 200.7	Mercury	Analyte	ואופורמוץ טץ ואופנווסט באסרו	Marcina by Mot	Cvanida	Analyte	Wet Chemistry b	Sample Narrative: L1553075-02 WG19548	Chromium, Hexavalent	Analyte	Wet Chemistry L		Chromium Trivalent	Analyte	Calculated Results	SCHREIBER SAMPLE 2
ACCOUNT:	0.119	N	ND i	5 8	3 8	ND	ND	ND	N	N S	0.0785	5 2	418	mg/l	Result	Method 200.7	N	mg/l	Result	hod 245 1	8	Result	Wet Chemistry by Method 4500CN-E	mple Narrative; L1552075-02 WG1954855; Sample not field filtered win 15min of collection Sample preserved in lab with 24trs of collection	S	mg/l	Wet Chemistry by Method 3500Cr-B		0 00350	Result ma/l	ults	SAMPLE 2
															Qualifier			and the second	Qualifier			Qualifier	Ä.	l win 15min of co		Qualiller	Cr-B			Qualifier		
PRO	0 0250	0.0200	0 00500	0.0200	0.0100	0 0200	0.00700	0 00500	0 100	0 00100	0.0100	0.0200	0.500	mgΛ	RDL		0.000200	тдл	RDI		0.0100	RDL mg/l	,	ollection Sample	0.00300	mg/l			0.0000	me/l		SAMP
PROJECT:	ž.	*	65	*				-	#5	1		4.	034		Dilution		**	Dilligon	Dilution		ж.	Dilution		preserved in l	_	Ullugon			-	Dilution	ŗ	SAMPLE RESULIS
SDG	11/10/2022 17 32	11/10/2022 17:32	11/10/2022 17:32	11/10/2022 17:32	11/10/2022 17:32	11/10/2022 17:32	11/10/2022 17:32	11/10/2022 17:32	11/10/2022 17 32	11/11/2022 12:34	11/11/2022 12:34	11/10/2022 17:32	11/11/2022 12:34	date / time	Analysis		11/14/2022 14:58	cate / ume	Analysis		11/11/2022 16:22	Analysis pate / time		ab w/m 24hrs of collecti	11/05/2022 12:49	date / time			11/10/2022 17:32	Analysis date / time		SULIS - 02
	WG1956373	WG1956373	WGI956373	WEI95673	WG1956373	WGI956373	WG1956373	WG1956373	WG1956373	WG1956373	WG1956373	W61956373	WG1956373		Batch		WG1959240	la la	Batch		EUUSSBISMA	Batch		9	WG1954855	Batch			WG1956373	Batch		2
DATETIME																																
PAGE																		۲	٥	≥°	1	[D	် ည	Sr		7 [SS	1	To		<u>;</u>	



WG1953745

QUALITY CONTROL SUMMARY

Gravimetric Analysis by Method 2540C L1553075-01



WG1953564 QUALITY CONTROL SUMMARY Gravimetric Analysis by Method 2540D Method Blank (MB) (MB) R3856538-1 11/03/22 05:55 MB RDL MB Result MB Qualifier MB MDL Тс Analyte mg/l mg/l mg/l Suspended Solids п 2.50 2.50 J Ss [†]Cr L1553086-02 Original Sample (OS) • Duplicate (DUP) (OS) L1553086-02 11/03/22 05:55 · (DUP) R3856538-3 11/03/22 05:55 Original Result DUP Result Dilution DUP RPD DUP Qualifier % Analyte mg/l mg/l Suspended Solids 9680 9740 0.618 10 ′GI L1553086-03 Original Sample (OS) • Duplicate (DUP) (OS) L1553086-03 11/03/22 05:55 · (DUP) R3856538-4 11/03/22 05:55 8AI Sc DUP RPD Limits Original Result DUP Result Dilution DUP RPD Analyte mg/I Suspended Solids 8000 7740 3.30 Laboratory Control Sample (LCS) (LCS) R3856538-2 11/03/22 05:55 Spike Amount LCS Result LCS Rec Rec Limits LCS Qualifier mg/i mg/l Suspended Solids 828 850 103 85 0-115

PROJECT:

ACCOUNT:

DATE/TIME:

PAGE:

WG1953820

QUALITY CONTROL SUMMARY

Wet Chemistry by Method 120 1 L1553075-01



PAGE:

GI

⁸Al ⁹Sc

L1555129-03 Original Sample (OS) • Matrix Spike (MS)

Spike Amount Original Result MS Result

mg/l

50.1

mg/l

5 36

MS Rec

112

Dilution Rec Limits

78 0-114

MS Qualifler

(OS) L1555129-03 11/15/22 15:12 • (MS) R3861626-4 11/15/22 15:12

ma/l

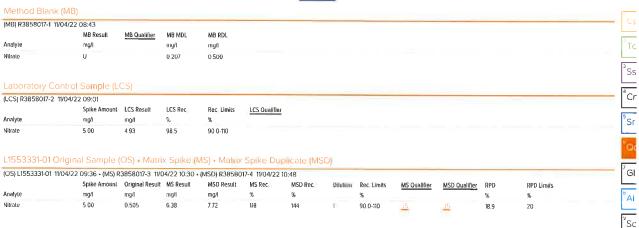
40.0

Analyte

Oil & Grease (Hexane Extr)

QUALITY CONTROL SUMMARY

L1553075-01



WG1958403 QUALITY CONTROL SUMMARY Wel Chemistry by Method 300 0 Method Blank (MB) (MB) R3860526-1 11/11/22 20:30 Тс MB Result MB MDL MB RDL Analyte mg/I mg/i ing/l Fluoride п 0.198 0 500 †Cr Laboratory Control Sample (LCS) (LCS) R3860526-2 11/11/22 20:50 Spike Amount LCS Result LCS Rec Anatyte mg/l mg/l Fluoride 5 00 5.46 109 90 0-110 L1553075-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD) ′GI (OS) L1553075-01 11/11/22 23:28 • (MS) R3860526-3 11/11/22 21:09 • (MSD) R3860526-4 11/11/22 21:29 Spike Amount Original Result MS Result MSD Result MS Rec Rec. Limits RPD Limits MS Qualifier MSD Qualifier RPD Analyte mg/I mg/l ıng/l mg/l 5.00 Fluoride ND 475 4 B4 95 1 1.83 20 Sc L1554671-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD) (OS) L1554671-01 11/12/22 03:27 • (MS) R3860526-5 11/11/22 21:49 • (MSD) R3860526-6 11/11/22 22:09 Spike Amount Original Result MS Result MSD Result MS Rec Rec Limits MS Qualifier RPD Limits MSD Qualifier RPD

5DG

DATE/TIME:

274

DATE/TIME:

20

mg/l

5.00

mg/t

182

mg/f

5 76

mg/l

5 92

78.8

82.0

90 0-110

SDG:

Analyte

Fluoride

ACCOUNT:

PROJECT:

PAGE:

QUALITY CONTROL SUMMARY

Wet Chemistry by Method 300_0 Method Blank (MB) (MB) R3860522-1 11/11/22 19:52 MB Result MB Qualifier MB MDL MB RDL Analyte mg/l mg/I my/l Chloride 0.171 0.0541 0 800 Sulfate U 0.393 0 700 ss †Cr Laboratory Control Sample (LCS) Sr (LCS) R3860522-2 11/11/22 20:10 Spike Amount LCS Result LCS Rec Rec Limits LCS Qualifier Analyle mg/l mg/f Chloride 5 00 5 02 100 90 0-110 Sulfate 5.00 5.05 101 90 0-110 GΙ L1553075-01 Original Sample (OS) - Matrix Spike (MS) - Matrix Spike Duplicate (MSD) (OS) L1553075-01 11/11/22 22:15 • (MS) R3860522-3 11/11/22 20:28 • (MSD) R3860522-4 11/11/22 20:45 Spike Amount Original Result MS Result MSD Result MS Rec. Rec Limits MS Qualifier MSD Qualifier RPD RPD Limits Analyte mg/l mg/l ing/I mg/l Sc Chlonde 500 1320 1940 1900 123 116 171 20 Sulfate 500 181 700 689 104 102 90 0-110 1.59 L1553109-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD) (OS) L1553109-01 11/11/22 22:33 • (MS) R3860522-5 11/11/22 21:03 • (MSD) R3860522-6 11/11/22 21:21 Spike Amount Original Result MS Result MSD Result MS Rec. MSD Rec Dilution Rec Limits MS Qualifier MSD Qualifier RPD Limits Analyte mg/i mg/I mg/l mg/l % Chloride 50.0 130 189 189 117 117 90 0-110 0 0811 20 Sullate 50.0 119 66 5 119 105 106 90 0-110 0.190 20 ACCOUNT: PROJECT: DATE/TIME: SDG: PAGE:

WG1954855

QUALITY CONTROL SUMMARY

Wet Chemistry by Method 3500Cr-B Method Blank (MB)

_			
(MB)	R3857357-1	11/05/22	1

(MB) R3857357-1 11/	05/22 12:49			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		uig/I	mg/l
Chromium, Hexavalent	U		0.00200	0.00300

(LCS) R3857357-2 11/05/22 12:49

	Spike Amount	LCS Result	LCS Rec	Rec Limits
Analyte	mg/I	mg/l	90	9%
Chromium, Hexavalent	0 200	0 212	106	85 0-115

L1552832-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1552B32-01 11/05/2	2 12:49 • (MS) F	3857357-3 11/	05/22 12:50 •	(MSD) R38573	57-4 11/05/22	12:50						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec	Dilution	Rec Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chromium, Hexavalent	0 200	ND	0.192	0.193	95.8	96,6	1	10.0-120			0 875	20

Sample Narrative:

OS: Sample not field filtered w/in 15min of collection Sample preserved in lab vi/in 24hrs of collection

L1553075-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1553075-02 11/05/2	2 12:49 • (MS) F	R3857357-5 11/	05/22 12:50 •	(MSD) R38573	57-6 11/05/22	12:50						
	Spike Amoun!	Original Result	MS Resull	MSD Result	MS Rec	MSD Rec	Ditution	Rec Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chromium, Hexavalent	0 200	ND	0 191	0 190	95 4	94 9	1	10 0-120			0 442	20

OS: Sample not field filtered w/in 15min of collection. Sample preserved in lab y/in 24hrs of collection

0320

PAGE:

+_{Cr}

O

GI

Sc

ACCOUNT: PROJECT: DATE/TIME:

WG1956753 QUALITY CONTROL SUMMARY Wet Chemistry by Method 351_2 L1553075-01 Method Blank (MB) (MB) R3859732-1 11/10/22 16:52 MB Result MB Qualifier MB MDL MB RDL mg/I mg/I mg/l Kjeldahi Nilrogen, TKN U 0 250 0.140 Ss L1554849-01 Original Sample (OS) • Duplicate (DUP) Cr (OS) L1554849-01 11/10/22 17:01 • (DUP) R3859732-3 11/10/22 17:02 DUP RPD Limits Original Result DUP Result Dilution DUP RPD DUP Qualifier Sr mg/l Analyle mg/l Kjeldahl Nitrogen, TKN 6 81 7,60 11.0 20

L1554878-01 Original Sample (OS) • Duplicate (DUP) (OS) L1554878-01 11/10/22 17:09 • (DUP) R3859732-6 11/10/22 17:11

		Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD
Analyte		my/l	ing/l		%		%
Kjeldahl Nitrogen, TK	N.	0 977	0.990	1	132		20

Laboratory Control Sample (LCS)

(LCS) R3859732-2 11/10/2	22 16:53				
	Spike Amount	LCS Result	LCS Rec	Rec Limits	LCS Qualifie
Analyte	mg/i	mg/l	%	%	
Kieldahl Nitrogen, TKN	12.7	13.5	106	75.2-120	

L1554849-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1554849-01 11/10/2	2 17:01 • (MS) R3	859732-4 11/10	0/22 17:04 • (N	ISD) R3859732	-5 11/10/22 17:	08						
	Splke Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyle	mg/l	mg/l	ing/I	ıng/l	4	%		4			4	%
Kjeldahl Nitrogen, TKN	5 00	6.81	12.5	11.9	114	102	1	90 0-110	<u>J5</u>		4 92	20

Sample Narrative:

MS: Matrix spike failure due to matrix interference

ACCOUNT: PROJECT: SDG: DATE/TIME: PAGE:

WG1956753

QUALITY CONTROL SUMMARY

Wet Chemistry by Method 351.2

L1554878-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1554878-01 11/10/22 17:09 • (MS) R3859732-7 11/10/22 17:12
Spike Amount Original Result MS Result MS Rec Dilution Rec Limits MS Qualifier
Analyte mg/l ing/l % %
Kjektahl Nitrogen, TKN 5 00 0.977 6 30 106 1 90 0-110

PAGE:

BAI

^ySc

WG1954442

Wel Chemistry by Method 4500Cl G-2011

QUALITY CONTROL SUMMARY



ACCOUNT: PROJECT: SDG: DATE/TIME: PAGE:

WG1958003

Wel Chemistry by Method 4500CN-E

QUALITY CONTROL SUMMARY

11553075-02

Metr	100	Blank	(MR)

(MB) R3B60133-1	11/11/22 16:22				-
Analyte Cyanide	MB Result MB Qualifier mg/l	MB MDL irig/I 0.00430	MB RDL mg/l 0.0100		
Laboratory C	Control Sample (LCS)				

(LCS) R3860133-2 11/11/22 16:22

(EC3) K3600133-2 11/11/22	10.22					~
	Spike Amount	LCS Result	LCS Rec	Rec Limits	LCS Qualifier	_
Analyte	mg/l	mg/l	9,0	%		⁵Sr
Cyanide	0 100	0.0901	90.1	85 0-115		

L1553100-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1553100-02 11/11/22	16:22 • (MS) R3	1860133-3 11/11/	/22 16:23 • (MS	5D) R3860133-4	11/11/22 16:23								GI.
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec	MSD Rec.	Dilution	Rec Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	Щ,
Analyte	nig/l	mg/l	mg/I	mg/l	%	%		%			%	%	A V I
Cyanide	0 100	ND	0 0747	0 0707	74.7	70.7	1	85.0-115			5 53	20	A
									-				0

L1554365-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

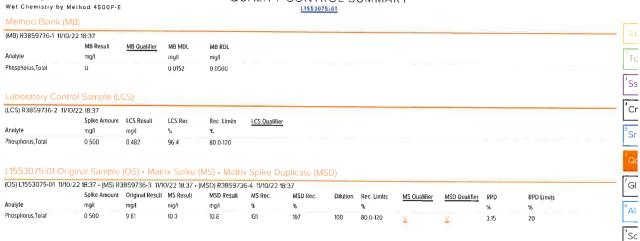
(US) L1554365-01 11/11/22	16:22 • (MS) R3	8860133-5 11/11/	'22 16:23 • (MS	SD) R3860133-6	5 11/11/22 16:23							
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec	MSD Rec	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyle	ng/l	mg/l	mg/t	mg/l	%	%		%			%	%
Cyanide	0 100	1 11	1.17	1.17	67.0	67 D	100	85 0-115	V	<u>∨</u>	0.000	20

0322

ACCOUNT: PROJECT: SDG: DATE/TIME: PAGE: Analyte

Phosphorus,Tetal

QUALITY CONTROL SUMMARY



100

80.0-120

MSD Qualifier RPD

3.15

RPD Limits

20

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:

WG1956628 Wet Chemistry by Method 5220D

mg/i

0 500

mg/l

9 61

mg/I

mg/l

10.6

QUALITY CONTROL SUMMARY L1553075-01

Method Blank (MB)

Spike Amount Original Result MS Result

616

941

DL Limits <u>LCS Qualifier</u>						
Limits <u>LCS Qualifier</u>						
Limits <u>LCS Qualifier</u>						
Limits <u>LCS Qualifier</u>						
Limits <u>LCS Qualifier</u>						
Limits LCS Qualifier						
Limits <u>LCS Qualifier</u>						
120						
Matrix Spike Duplic R3858838-4 11/09/22 12:47						
Result MS Rec. MS	ISD Rec Dilution	Rec. Limits MS Qualifier	MSD Qualifier	RPD	RPD Limits	
% %		%		%	%	
	17 1	80 0-120		2 79	20	
104 103				213	20	
l _v	Matrix Spike Duplik 3858838-4 11/09/22 12:4 esult MS Rec. N	Matrix Spike Duplicate (MSD) 3858838-4 17/09/22 12:47 esult MS Rec. MSD Rec Dilution	Matrix Spike Duplicate (MSD) 3858838-4 11/09/22 12:47 esult MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier	Matrix Spike Duplicate (MSD) 3858838-4 11/09/22 12:47 esult MS Rec. MSD Rec Dilution Rec. Limits MS Qualifier MSD Qualifier	Matrix Spike Duplicate (MSD) 3858838-4 11/09/22 12:47 sesult MS Rec. MSD Rec Dilution Rec. Limits MS Qualifier MSD Qualifier RPD	Matrix Spike Duplicate (MSD) 3858838-4 11/09/22 12:47 seult MS Rec. MSD Rec Dilution Rec.Limits MS Qualifier MSD Qualifier RPD RPD Limits

MSD Rec

105

PAGE:

mg/l

500

Analyle

COD

MSD Result

621

MS Rec

Dilution Rec Limits

80 0-120

MS Qualifier MSD Qualifier RPD

0.701

RPD Limits

20

L1553075-01



ACCOUNT: PROJECT: DATE/TIME: PAGE:

WG1955130

QUALITY CONTROL SUMMARY

Wel Chemistry by Method SM 4500-H+B

L1553133-01 Original Sample (OS) • Duplicate (DUP) (OS) L1553133-01 11/07/22 14:44 • (DUP) R3857989-2 11/07/22 14:44

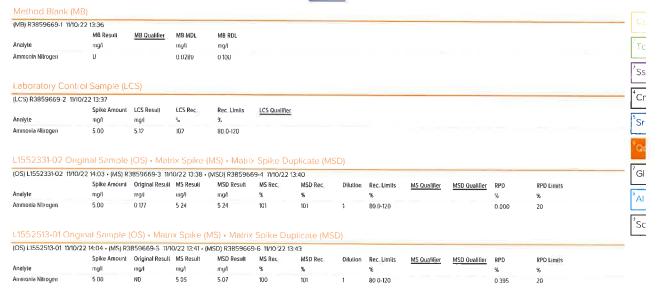
	Orlginal Result	DUP Result	Dilution	DUP RPD	DUP Qualifler	Limits
Analyle	Su	SU		%		%
pH	6 98	6 99	1	0 143		20
Sample Narrative:						
OS: 6 98 at 20 5C						
DUP: 6.99 at 20 BC						
L1554351-01 Orig	ginal Sample (OS) • Dup	olicate (E	DUP)		
L1554351-01 Orig						
L1554351-01 Orig (OS) L1554351-01 11/07		3857989-3		:44	DUP Qualifier	DUP RPD
(OS) L1554351-01 11/07	7/22 14:44 • (DUP) R	3857989-3	11/07/22 14:	:44	DUP Qualifier	Limits
	7/22 14:44 • (DUP) R Orlginal Result	3857989-3 DUP Result	11/07/22 14:	:44 DUP RPD	<u>DUP Qualifier</u>	
(OS) L1554351-01 11/07 Analyte	7/22 14:44 • (DUP) R Orlginal Result	3857989-3 DUP Result su	11/07/22 14:	:44 OUP RPD %	<u>DUP Qualitier</u>	Limils %
(OS) L1554351-01 11/07 Analyte	7/22 14:44 • (DUP) R Orlginal Result	3857989-3 DUP Result su	11/07/22 14:	:44 OUP RPD %	<u>DUP Qualitier</u>	Limils %
(OS) L1554351-01 11/07 Analyte pH	7/22 14:44 • (DUP) R Orlginal Result	3857989-3 DUP Result su	11/07/22 14:	:44 OUP RPD %	<u>DUP Qualitier</u>	Limils %

(LCS) R3857989-1 11/07/22 14:44 Spike Amount LCS Result LCS Rec Rec. Limits LCS Qualifier Analyte 6 00 6.00 100 99 0-101

Sample Narrative: LCS: 6 at 20 9C

PAGE:

Wel Chemistry by Method SM4500NH3H



ACCOUNT: PROJECT: SDG: DATE/TIME: PAGE:

WG1953055

QUALITY CONTROL SUMMARY

Wet Chemistry by Method SM5210B

Method Blank (MB)

MD) K363/762-1	11/07/22 09:52					
	MB Result	MB Qualifier	MB MDL	MB RDL		
Analyte	mg/i		mg/I	mg/l		
BOD	U		0 200	0 200		
L1552882-02	Original Sample	e (OS) • Du	plicate	(DUP)		
(OS) L1552882-02	11/07/22 10:33 • (DUP) R3857762-4	11/07/22 10	0:34		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifler	DUP RPD
Analyle	mg/l	mg/l		%		Limits
BOD	5 64	5 49	1	27		20
L1552764-01	Onginal Sample	(OS) • Dup	licate ([DUP)		
	Original Sample 11/07/22 10:12 • (DUP) I					
		R3857762-3 1	V07/22 11:3		DUP Qualifier	DUP RPD Limits
	11/07/22 10:12 • (DUP) I	R3857762-3 1	V07/22 11:3	38	DUP Qualifier	DUP RPD Limits %

Laboratory Control Sample (LCS)

(LCS) R38577	62-2 11/07/22 09:57							
	Spike Amount	LCS Result	LCS Rec	Rec Limits	LCS Qualifler			
Analyte	mg/l	mg/l	r _o	%				
800	198	200	101	85-115				

0325

PAGE:

ACCOUNT: PROJECT: SDG: DATE/TIME:



ACCOUNT: PROJECT: SDG: DATE/TIME: PAGE:

WG1959240 Mercury by Method 245.1

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3860B64-1 11/14	1/22 14:34				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/I		my/l	my/l	
Mercury	0.000114	9	0.0000450	0.000200	

Laboratory	Control	Sample	(LCS)

(LCS) R3860864-2	11/14/22 14:41				
	Spike Amount	LCS Result	LCS Rec	Rec Limits	LCS Qualifier
Analyte	mg/l	mg/i	C _{AU}	%	
Moreuma	0.00000	0.00000	040	05.0 445	

L1552825-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1552825-01 11/14/22	14:43 • (MS) R3	BE0864-3 11/1	4/22 14:45 • (N	ISD) R3860864	I-4 11/14/22 14:4	47						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	M5D Rec	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	ing/l	mg/l	%	%		%			%	%
Mercury	0 00250	ND	0 00164	0 00145	62 2	546	1	70.0-130	<u>J6</u>	<u>J6</u>	12.3	20

L1552825-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1552B25-02 11/14/2	2 14:49 • (MS) R	23860864-5 11	/14/22 14:52 • ((MSD) R3860B6	54-6 11/14/22 1	4:54						
	Spike Amount	Original Result	MS Resull	MSD Result	MS Rec.	MSD Rec	Dilution	Rec Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/i	mg/l	mg/I	mg/l	%	%		96			%	%
Meiculy	0.00250	ND	0.00246	0,00241	94 8	92.8	1	70 0-130			2 05	20

PAGE:

Тс

³Ss ¹Cr

GI

^sSc

QUALITY CONTROL SUMMARY L1553075-01,02

Method Blank (MB) (MB) R3859632-1 11/10/22 15:33 MB Result MB Qualifier MB MDL MB RDL mg/I mg/l ing/l Aluminum 0 0563 0.0353 0 500 3SS Cr SSr 7GI VAI Antimony 0.00242 0 0250 U Arsenic U 0 00418 0 0200 0 000490 0 0100 Beryllium 0 000249 0.000180 0 00100 Boron U 0.0186 0 100 Cadmilum U 0.000350 0.00500 Calcium U 0.0496 100 Chromium u 0.000710 0.00700 Copper 0 00364 0.00425 0.0200 0 00312 Lead 0 0100 Magnesium 0 0434 1.00 0 00358 0 0100 Selenium 0 00500 0 0200 Silver 0 000990 0 00500 Sodlum 0 178 1,00 Thallium 0 00775 0 0200

Laboratory Control Sample (LCS)

Zinc

(LCS) R3859632-2	11/10/22 15:38									
	Spike Amount	LCS Result	LCS Rec	Rec Limits	LCS Qualifier					
Analyte	my/l	mg/l	%	%						
Aluminum	10 0	9.88	98.8	85 0-115						
Antimony	100	0.966	96.6	85 0-115						
Arsenic	1.00	0 937	93.7	85 0-115						
Barjum	100	0 973	97.3	85 0-115						
Beryllium	100	0 954	95.4	85 0-115						
Boron	100	0.932	93.2	85 0-115						
Cadmium	100	0 993	99.3	85 0-115						
Calclum	10,0	10 1	101	85 0 115						
Chromium	1.00	0.965	96.5	85 0-115						
Copper	1.00	0 970	97.0	85 0-115						
Lead	100	0.989	98.9	85 0-115						
Magnesium	10 0	9 87	98.7	85,0-115						
Nickel	100	1 01	101	85.0-115						
Selenium	100	0.943	94.3	85 0-115						
Silver	0.500	0 482	96.3	85 0-115						
	ACCOUNT			PRO	DJECT:	SDG	:	DATE/TII	AE:	PAGE:

WG1956373 Metals (ICP) by Method 200.7

QUALITY CONTROL SUMMARY 11553075-01.02

	Spike Amount	LCS Result	LCS Rec	Rec Limits Li	Qualifier
nalyle	mg/l	mg/l	%	%	
odlum	10 0	9.96	99.6	85 U-115	
hallium	100	106	106	85.0-115	
Zinc	1.00	0.977	97.7	85 0-115	

L1554984-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

0.0106

0.0250

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec	Dilution	Rec Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/ł	mg/l	mg/l	%	%		%			%	%
Huminum	10.0	1 35	13 4	14 0	120	127	11	70 0-130			4.82	20
intimony	1.00	ND	1.01	0.985	101	98.5	1	70.0-130			2.95	20
Arsenic	1.00	ND	1.03	0.999	101	98 5	11	70 0-130			2.90	20
Barium	1.00	4.94	6 98	8.31	203	337	11	70.0-130	<u>V</u>	V	17.4	20
Boron	1.00	ND	1.05	1.11	97 1	103	1	70,0-130	-	_	5 73	20
Cadmium	1.00	ND	1.03	1.01	103	101	1	70.0-130			2.45	20
Calcium	10.0	113	133	144	208	311	*	70 0-130	<u>V</u>	<u> </u>	7.43	20
Chromium	1.00	ИD	0 97B	0.958	97.5	95.6	1	70 0-130	-	_	2.04	20
Соррег	1.00	0.0384	1.04	109	99 9	105	4	70 0-130			5 26	20
_ead	1.00	0.0729	0 907	0.889	83 4	81.6	3	70 0-130			2.08	20
Magnesium	10 0	33.8	46.3	50 4	125	165	.5	/0.0-130		<u> </u>	8 36	20
Vickel	100	ND	L01	0 986	101	98 1	1	70.0-130		_	2.46	20
Selenium	1.00	0 0254	1.03	0 985	100	96.0	38	70 0-130			3.95	20
Silver	0 500	ND	0.504	0 493	101	98.5	18	70 0-130			2.25	20
'ballium	1.00	ND	0.966	0 944	96.6	94.4	38	70 0-130			2.29	20
?inc	1.00	0.0578	1.06	102	99.7	96.5	15	70 0-130			3.08	20

L1554984-02 Orlginal Sample (OS) • Matrix Spike (MS) • Matrix Spike Dunlicate (MSD)

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	ing/l	mg/l	mg/I	mg/l	ug V	%		u _k			ug.	%	
Aluminum	10.0	ND	11.7	10.6	113	102	1	/0 0-130			9.34	20	
Antimony	1.00	ND	1.00	0.964	100	96.4	*	70:0-130			3.87	20	
rsenic	1.00	ND	0.983	0.955	97.6	94.7	1	70.0-130			2.96	20	
Barium	1.00	12.1	14.4	13.1	228	102	1	70,0-130	V		9.17	20	
laron	1.00	ND	103	0.943	103	94.3	1	70 0-130	-		8.54	20	
Cadmium	1.00	MD	103	0.9B5	103	98.5	1	70 0-130			4.15	20	
Calcium	10.0	13.6	261	23.5	126	99.5	1	70.0-130			10.5	20	
Cliromium	1.00	ND	0.947	1.09	94.5	109	1	70.0-130			14.3	20	032

ACCOUNT: PROJECT: DATE/TIME: PAGE:

L1554984-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD) (OS) L1554984-02 11/10/22 16:19 • (MS) R3859632-5 11/10/22 16:24 • (MSD) R3859632-6 11/10/22 16:30 Spike Amount Original Result MS Result MSD Result Dilution Rec, Limits MS Qualifier MSD Qualifier RPD **RPD Limits** Tc Analyte mg/I mg/l my/l mg/li Copper 1.00 108 0 994 97 5 70 0-130 8 35 20 3Ss Lead 1.00 0 0150 103 0 990 102 975 70 0-130 4.07 20 Magnesium 10.0 124 12.2 11 0 110 97.2 10.8 20 Nickel 1.00 ND 1.04 1.00 104 100 70 0-130 4.31 20 Selenium 100 0.0218 0 994 0 999 97.2 97 B 70 0-130 0.542 0 500 0.471 0 547 ND 94.2 109 70.0-130 14.9 20 Sr Sr SAI Thallium 1.10 106 110 106 70 0-130 4.18 20 Zınc 0.0517 100 95.7 70 0-130 4.36 20 L1554984-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD) (OS) L1554984-01 11/11/22 11:22 • (MS) R3859968-3 11/11/22 11:28 • (MSD) R3859968-4 11/11/22 11:33 Spike Amount Original Result MS Result MSD Result MS Rec. MSD Rec. Dilution Rec Limits MS Qualifier MSD Qualifier RPD RPD Limits mg/l mg/I mg/l mg/l Beryllium ND 0,818 1.09 81.8 109 70.0-130 28.9 20 , Sc Sodium 10 0 284 380 0.000 562 70.0-130 29.1 20 L1554984-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD) (OS) L1554984-O2 11/11/22 11:38 • (MS) R3859968-5 11/11/22 11:43 • (MSD) R3859968-6 11/11/22 11:48 Spike Amount Orlginal Result MS Result

MSD Rec

96.4

104

Dilution Rec Limits

SDG:

70.0-130

70 0-130

MS Qualifier

MSD Qualifler

RPD

6.57

7.39

DATE/TIME:

RPD Limits

20

20

MSD Result

mg/l

0 964

13.6

MS Rec.

103

PROJECT:

WG1959919

Analyte

Beryllium

Sodium

mg/l

1.00

10.0

mg/l

ND

3.19

ıng/i

103

Metals (ICP) by Method 200 7

QUALITY CONTROL SUMMARY

L1553075-01

(MB) R3863748-1 11/21/	22 19:17												
	MB Result	MB Qualifier	MB MDL	MB RDL									
Analyte	mg/i		mg/i	mg/l									
Calcium,Dissolved	0.164	. 22	0.0496	1.00									
Magnesium, Dissolved	IJ		0 0434	1.00									
Sodium,Dissolved	U		0 178	100									
Laboratory Cont	rol Sample (L	C6)											
(LCS) R386374B-2 11/2		(3)											
,,	Spike Amount	LCS Result	LCS Rec	Rec Limits	LCS Qualifier								
Analyte	mg/l	mg/l	%	%									
Calcium,Dissolved	10.0	10.2	102	85 0-115									
Magneslum,Dissolved	10.0	9 38	93.8	85,0-115									
Sodium, Dissolved	10.0	10.5	105	B5 O-115									
	aio al Comple	(OC) Mark	-i - C - ii i	MG. Mark	6 3 6								
L1552075 01 Oct				M2) • Mg(H)	с Spike Dui	plicate (ivis	SD)						
				14CD) D20C274	2.4.11/21/22 10:	.07							
	722 19:27 • (MS) R	3863748-3 11/2	21/22 19:32 • (Dilution	Pac Umile	MS Qualifier	MED Qualifier	000	ODD I Tile	
OS) L1553075-01 11/21	'22 19:27 • (MS) R: Spike Amounl	3863748-3 11/2	21/22 19:32 • (M5 Result	MSD Result	MS Rec	MSD Rec.	Dilution	Rec Limits	MS Qualifier	MSD Qualifier	RPD «	RPD Limits	
L1553075-01 Orig (OS) L1553075-01 11/21 Analyte Calcium, Dissolved	722 19:27 • (MS) R	3863748-3 11/2 Original Resull	21/22 19:32 • (Dilution	Rec Limits % 70 0-130	MS Qualifier	MSD Qualifier	RPD % 4.24	RPD Limits % 20	

LIBBS075-01 Origin	iai Sampie	(OS) • Mati	ix Spike (M	(IS) - Matrix	Spike Dup	olicate (MS	D)					
(OS) L1553075-01 11/28/22	2 10:5B • (MS) R	3865519-1 11/2	18/22 11:03 • (N	ISD) R3865519	-2 11/28/22 11:0	9						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec	MSD Rec	Dilution	Rec_Limits	MS Qualifier	MSD Qualifler	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Sodium, Dissolved	10 0	1000	1100	1090	940	820	20	70 0-130	Y	V	110	20

0328

ACCOUNT: PROJECT: SDG: DATE/TIME PAGE:

GLOSSARY OF IERMS

Guide to Reading and Understanding Your Laboratory Report

Abbreviations and Definitions

Guide to Readin	Guide to Reading and Understanding Your Laboratory Report	1
The information below intended as a comprei	The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.	- 53
Results Disclaimer - Ini Sample ID, Sample Ma Sampling Location Re	Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Na—e, Sample D. Sample Mossilis, Sample Preservation, Field Bands, Field Diploitates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location Results (relate to the accuracy of this information) provided, and as the samples are received.	0
Abbreviations and Definitions	nd Definitions	S
MDL	Method Detection Limit	П
NO	Not detected at the Reporting Limit (or MDL where applicable).	<u>'</u>
RDL		(
Rec.	Recovery 5	
RPD	Relative Percent Difference	Υ,
SDG	Sample Defivery Group.	i I
_	Not detected at the Reporting Limit (or MDL where applicable)	2
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analyses reported	
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytis in the sample are higher than the highest finit of concentration that the electropy can be contained the property of the sample in may be alluded for analysis if a value different than it is used in this field, the result reported has already begin corrected for this factor.	37
Limits	These are the liarget & recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyse being reported. Successful OC Sample analysis will target all analyses recovered or duplicated within these things.	11 4
Original Sample	The non-spiked sample in the prap batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.	Ιň

Qualifier This column conducts a leng and/or number coeligration that corresponds to address all members concerning the result reported. If a Quijeffer is present, a definition per Qualifier is provided within the Glossay and Definitions page and potentially a discussion of possible mulications of the Qualifier in the Care Nigrative a applicable.

The satural analytical man result cornected to rany sample specials characteristics) leptored by your sample. If there was no measurable result wis zized for a special caladyor, the result in this cultum may state "NO" (flet Described in BDL" Below Described Levels). The information in the results column stoud aways be accompanied by sightle an NDL Method Describer Limit on RDL (Recovering Describer Limit) that defines the lowest water that the laboratory could defect or respect for this emission.

Uncertainty (Radiochemistry) Confidence level of 2 sigma.

Quality Control Summary (Qc) Case Narrative (Cn) At the discussion about the arribided sample results, including a plausing on day proceeding and sample receipt by the liberatory from the feet on thing the analysical process. If years, it was an assection in this Case Nathable to discuss the incoming of any data qualifiers used in the region. These will be a section in this Case Nathable to discuss the incoming of any data qualifiers used in the region of the case in the region of the case of the liberatory quality control analyses required by procedure or analysical included a passign in evaluation (or evaluate or passign in evaluation of the case).

Sample Chan of Custody (Sc) This is the document cleated in the field when your samples were unitally collected. This is used to verify the time and date of collection, the person collecting the actipies, and the analyses that the fibble above of coquested to particine. This chain of costory also documents all begrade is early different of posteroids promised. If it have trad control is posteroided permitted in promised in the time of collection until delivery to the laboratory for analysis.

"This specified of your regard will provide the results of all testing prigramed on your samples. These results are provided by sample 10 and service expected by the provided by sample 10 and service expected by the design price price and the specified the needer into of each analysis section for each sample will provide the name and method number for the only job reported.

his section of the Analytical Report defines the specific analyses performed for each sample (D) including the dates and times of preparation and/or analysis.

Sample Summary (Ss) Sample Results (Sr)

Qualifier	Description
ш	The analyte concent atom exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
_	The identification of the analyte is acceptable, the reported value is an estimate
JS.	The associated batch OC was outside the established quality control range for precision.
72	The sample matrix interfered with the ability to make any accurate determination, spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination, spike value is low.
K9	Test replicates show more than 30% difference between high and low values,
P	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
۵	Sa. pile was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
T8	Sample(s) received past/too close to holding time expiration
<	The sample concentration is too high to evaluate accurate spike recoveries,

ACCREDITATIONS & LOCATIONS

Allaham	40660	Nebraska	NE-05-15-05
Alaçua	17-026	Nevada	TN000032021-1
Artional	A20612	New Hampshire	2975
årkinsas	88-0469	New Jersey-NELAP	TN002
California.	2932	New Mexico "	TN00003
Columbo	EODODNI	New York	11742
Connecticus	PH-0197	North Carolina	Env375
FIORICIA	E87487	North Carolina	DW21704
Georgia	NELAP	North Carolina 3	4
Georgia [*]	923	North Dakota	R-140
(deno	EODOONT	Ohio-VAP	CL0069
Mingra	200008	Oklahoma	9915
Indiana	C-TN-01	Oregen	TN200002
fawa	364	Pennsylvania	68-02979
fansas	E-10277	Rhode Island	LA000356
Kentucky * *	KY90010	South Carolina	84004002
Kentocky *	16	South Dakola	σλη
Lollstana	AI30792	Tennessee 1.4	2006
Louistane	LA018	Texas	T104704245-20-18
Mane	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusem	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Maresott	047-999-395	Washington	C#47
Mississippi	TN00003	West Virginia	223
Mesdun	340	Wisconsin	998093910
Muntana	CERTO086	Wyoming	AZLA
\$500 DOI: 051-0150	1461.01	AIHA-LAP, LLC EMLAP	680001
±21.4 - 150 17025 °	1461 02	DOD	10,191
Carrada	1461.01	USDA	PEC00-51-00294

4	T
1	0)
н	\cap
1	1
1	>
1	1
1	ũ,
ı	=
1	\geq
1	ō
1	
1	
1	()
1	Φ.
1	2
I	-
ı	8
ı	
ı	
ı	
ı	
1	\cap
ı	\Box
I	
1	=
1	8
	01
I	
ı	12
ı	0
ı	0
ı	_
ı	2
ı	
ı	Beth
ı	Œ.
ı	7
ı	<u></u>
ı	
ľ	<
ı	
ı	\mathcal{L}
ı	7
ı	ò
1	S
1	Ξ.
1	Ħ.
1	
ı	3
ı	ŏ
Ĺ	~
L	₽
1	=
ľ	Φ
Į.	-1
ĺ	-
1	Į.
ı	
1	\J
ı	ŭι
ı	9
L	<u>.</u>
ı	
ı	

AKuntan		Kansas	E10388
Florida	E87118	Tevas	
laws	408	Oklyhoma	8727
Louisianu	30686		

2657 Gravel Di Ft Worth, TX 76118

ACCOUNT

ACCOUNT

PROJECT:

SDG

DATE/TIME:

PAGE

PROJECT:

SDG

DATE/TIME:

PAGE:





























^{*}Drimlang Water * Underground Storage Failks * Aquatic Foreity * Chemical/Microbiological * Modd * Wastewater *Not all certifications held by the Jaboratory are applicable to the results reported in the attached report. *Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analysical. n/a Accreditation not applicable

Company Name/Address:			Billing Inf	ormation:					-	- 7	Agradysis.	/ Conta	net / 01	me merciet	litte:	_	-	Chain of Custod	Dans t of
Enviro-Ag Engineering 3404 Airway Blvd.			Bryan N 3404 Ai				Pres Chk				SI GIVANA	Lonia	lige.7.Fr	Cacryat	l e			10	r Pase <u>1.</u> of _ e Analytical [*]
Amarillo, TX 79118								1 H2										1	111
Reportto: Jourdan Mullin			Email To:	cmutin@en	wirosg.co	m.mgray@envii	ong.co	E-Ado										190 Allen, T	
Project Description:		City/State Collected:		viroag.com;	jmullindh	Please Ci PT MT C	rcle.	HUDP				loPre						fotos //ede-passiele o	E 2014 chain of costedy gitter 6 and enceptance of 6 tore found at myllochings as atemates
Phone: 254-965-3500	Client Proj	ect #		Eab Proj	Ject #	1		500r	· ·	Sa	_	DPE-N	무	23		4		Literaction	5 53075
Collected by (print):	Site/Facilit	y ID #		P.O. #			-	34500	NoPres	NoPr	NaOF	DHIMO	-Add I	HING	oPres	H2SO	oPres	Table #	
Collected by (signature):	Push 3	(Lab MUST Be	Manticado	Quote	Ħ		_	I.	PE	DPE	JPE.	6 50	d _m b	10P	Ä	è	EN	Acctnum: DS Template: T2	ENVIGDTX
zane Inter	Same	Day Five	Day (Rad Only)	I SPINSON		Needed		PHOS, COD, NH34500 500mIHDPE-Add	ALLBOD 1L-HDPE	ALLCBOD 1L-HDPE NoPres	ALLCN 250miHDPE-NaOH	ALLCR3,ALLCR6 500mIHDPE-NoPres	ALLOGHEX 1L-Amb-Add HCI	ALLSAR 250mlHDPE-HNO3	ALLTDS 1L-HDPE NoPres	250mlAmb-H2SO4	1L-HDPE-NoPres	Prelogin: P95	8060
Packed on Ice N Y	Thre	Day 10 Day e Day	iy (Had Only)				No. of	거	GO	1980	N 25	R3,	E GE	AR	DS 1		SS	PB:	
Sample ID	Comp/Gra	Matrik*	Depth	Da	ate	Time	kntrs	ALL	ALLB	ALLC	ALLC	ALLC	ALLO	ALLS	ALLT	ALLTOC	ALLTSS	Shipped Via: F	Semple # (Lab and)
Schreiber Gorde Z	B	ww		11/4	122	9:33	14	x	х	х			х	Х	Х	X	х		1-01
Schreiber Gorgle Z Schreiber Songle Z	- G	ww		11/2/	122	9:33	3				х	Х							02
												-		-		-	-		
														L.			-		
	-		-	-							-					8			
Matria; iS-Soil AIR-Air F-Filter iW Groundwater B-Bloassay www-WasteWater	Remarks: Wet Tota and	Chem = Cl, F, Il Metals = Ag Hg by 245.1	"NO3", ¡ , Al, As, B	H, SPCO a, Be, B,	N, and Cd, Cr,	SO4 "Nitra Cu, Ni, Pb, :	te = 46 Sb, Se,	thr hole Ti, and	d** d Zn by	200.7	pH .		_ Temp		-	COC S	ml Pr	le Receipt Ch esent/Intact: Accurate: ive intact;	
ow - Drinking Water or - Other	Samples returns UPS Fedi	ed vla: Ex Courier			Trackin	8 #							-	7	-0.1	Suff1	cient .	cles used: volume sent: If Applicable adupace:	π, _, _, ,
Telinquished by: (Signature) 3 and Institut		II/02/20	22 11;	Total Comment		d by: (Signati	rei L [0		Ī	rip Blan	k Receiv	ı	HCL/ Me	он	Proper	vatio	Correct/Che	mked: _Y _N
relinquished by: (Signature) Alioialterander/Pace		11/2/27	Time	AS	Regença	CALA	A	P	ex	7)	emp:	°(rbit es Receiv	red:	if prese	rvation	required by Log	in: Date/Time
erlinguistical by: (Signature)	F	inlin	Tyne	140	Reberre	d for lab by: (Signatu	re)		D	ale:	-	Time	40		Hold:			Condition: NCF / OK

Company Name/Address:				Billing Info	ormation:					,/	Spalvsis.	/Conta	ner / Presen	dative			Chain of Custod	Page _ of _ t
Enviro-Ag Engineering 3404 Airway Blvd. Amarillo, TX 79118				Bryan M 3404 Alr Amarillo	lullin way Blvd. , TX 79118		Pres Chk										Pac	e Analytical "
Report to:				Email To:					S		1		1	1			190 Allen, T	
Jourdan Mullin						g.com/ngray@env oag.com/nshoem in@enviruag.com	iker Pen		ag.					- 1		1	Submitting a sample v	
Project Description:			City/State Collected:	-		Please C			PE-N								Pace Terms and Condi-	ament and accaptance of th
Phone: 254-965-3500		Client Project	Ħ		Lab Project i			Pres	메뉴	=]		HNO3	Pres				SDG # L 1	553075
Collected by (print):		Site/Facility ID) H		P.O. #			PE-No	Ja 250	ical	2504	IDPE	PE-No				Table #	CANAGOTA
Collected by (signature): 2 and Statter Immediately Packed on Ice N_ Y	/	Same Da	ab MUST Be If the five five five five five five five fiv	Day (Rad Only)	Quote #	sults Needed	No	R 500mlHDPE-NoPres	Dissolved Ca, Mg, Na 250mlHDPE-NoPre	FTWFC Microbiological	TKN 250mlHDPE-H2SO4	Total Metals 250mlHDPE HNO3	m 500mlHDPE-NoPres				Template: T2 Prelogin: P98 PM: 923 - Reag	8060
Sample ID	-			1 3. 5.	1		of Entre	CHLORR	100	NFC.	1 25	Ž	WetChem				-	edEX Priority
энтрето		Comp/Grab	Matrix *	Depth	Date	Time	F	H.	Diss	F	¥	Tota	Wet				Remarks	Sample # (lab only)
Schreiber Sorple	7	Gi	ww		11/4/2	29:33	14	х	х	х	х		х					101
Schreiber Soughe	Z	9	ww		11/2/2	29:33	3					Х		1				02
											-	-						ļ
			-				H				_			-				
	-					-		-1										
SW - Groundwater B - Bloassay NW - WasteWater	Rem	LOTAL	em = Cl, F, letals = Ag, by 245.1	"NO3", p Al, As, Ba	H, SPCON, a s, Be, B, Cd,	nd 504 **Nitra Cr, Cu, Ni, Pb,	ate = 48 Sb, Se,	hr hol Tl, an	d** d Zn by	200.7	pH .		Temp		Bottle	gned/A	e Engelpt Ch sent/Intact: courate: ve intact:	NP Y N
OW - Drinking Water OT - Other		oles returned v			Tra	king #									Suffic	ient v	les used: olume sent: If Applicab	YN
delinquished by: (Signature)	r	Dat		22 II :	15	elved by: (Signati	ure)	1800		T	rip Blani	Receiv	ed: Yes/N HCL/		Preser	vation	depace: Correct/Cha O.S mR/hr:	cked: Y N
relinguished by . (Signature) Alicia Human L. Plece		Oat	2/2	1 3	A5 8	SOAW	W7	P	PEE	T	emp:	°C	Boitles Res	eived;	if prese	rvation	required by Log	
CHALL UPAG	×	W	12/27	Times	Rec	fived for lab by:	Signatur Z	re)		100	ate:	ZZ	Time:	5	Hold:			Conditi Q3

(Recorded) -0.5 (Correction Factor) 1 3 (Actual) (Recorded) -0.5 (Correction Factor) Q.O. (Actual) Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable ☑Ft Worth □Corpus Christi □Austin Project Work order (place label): NA B NA 6 NAZ Sample Condition Upon Receipt AN ΑN Ν ă No O No D Yes - No -Yes 🗆 No 🗅 7 ON 2 S N Yes Z No res of No 8 Š g Š å ŝ Document Name: Sample Condition Upon Receipt Yes £ Yes a Cooler Temp °C: 6-5 Yes 🗅 Cooler Temp °C: 1.3 п D Yes 🐔 TO-F-DAL-C-001-rev.14 es Yes (es Yes Date Yes **Yes** Document No.: Are soil samples (volatiles, TPH) received in 5035A Kits (not applicable to TCLP VOA or PST Program TPH) Cleat of LSO 3 PACE D Other: 2/2 11/1/11 Project sampled in USDA Regulated Area outside Unpreserved 5035A soil frozen within 48 hrs Received on ice: Wet & Blue No ice Receiving Lab 1 Thermometer Used: FWTM03 Date: Receiving Lab 2 Thermometer Used: 12/3-Date: Yes o No 4 Lead Acetate Strips: [4562 Sampler name & signature on COC (lw) 14540 Labeling Person (if different than log-in): Chain of Custody relinquished Pace Analytical Envino-Ac Courier: FedEX a UPS a USPS a Short HT analyses (<72 hrs) Sufficient Volume received PH Strips: Present Residual Chlorine Present Headspace in VOA (>6mm) Custody Seal on Cooler/Box: ALL Correct Container used Sample pH Acceptable State Sampled: Von-Conformance(s): Cl Strips: Sulfide Present Container Intact Client Name: Triage Person: Login Person: Texas Analysis / Container / Preservative Page _ of # **Enviro-Ag Engineering** Bryan Mullin 1404 Airway Blvd. Amarillo, TX 79118 Cin. Pace Analytical 1404 Airway Blvd. Amariño, TX 79118 ALL PHOS, COD, NH34500 500mHDPE-Add HZ 190 Allen, TX 75013 er og com rigery delvensy en Jourdan Mullin ALLCR3, ALLCR6 500miHDPE-NoPres City/state Please Circle: PT MT CT LT SDG 1 15 53076 Client Project # Phone: 254-965-3500 ALLOGHEX 11-Amb-Add HCI ALLSAR 250mHDPE-HN03 ALLCBOD 1L-HDPE NoPres ALLTOC 250mlAmb-H2SO4 ALLCN 250mIHDPE-NaOH ALLBOD 1L-HDPE NoPres ALLTDS 1L-HDPE NoPres ALLTSS 1L-HDPE-NoPres P.O. Acctivist DSENVIGDTX Template T218389 Rush? (Lab MUST Be Notified) zane Frotter Same Day Fine Day

Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day Preiogic P958060 mediately Shipped Vie: FedEX Priority Entry Sample ID Comp/Grab Matrix * Depth Date Time Schreiber Conte Z 11/2/22 9:33 WW 14 Х х X Χ ж Х X -01 Schreiber Somple ? X X od Rec: Fed Ex 11/3/22 1700 1900 * Matrix SS - Soil Aill - Air F - Filter GW - Groundwater BW - BaseWater DW - Bonking Water OT - Other WetChern = Cl. F, "NO3" pH, SPCON, and SO4 "Nurate = 48hr hold" Total Metals = Ag, Al, As, Ba, Be, B, Cd, Cr. Cu, Ni, PU, Sb, Se, Ti, and Zn by 200.7 and Hg by 245.1 Dempin Reinist Chemiti COC Seal Present/Intert SV COC Signed/Accurate Sottles arrive intert Sortice sortise send: Sufficient volume send: If Applicable Vol Zero (Seadagaco) Freserval inn Correct (Checked: B - Bigassay Samples returned via: ___UPS __FedEx __Couner

tracking #

11/02/2002/11:16

11/2/2

1440

Yes / No

0900

C1897 7-0-34

10/04/22

11/2/22 14/40

HCL / Meuri TRR cles Received

NOF / OK

0331

1553075

Document Revised: 7/27/20

Issuing Authority: Pace Dallas Quality Office Page 1 of 1

zane Trotter

Alini Heronder / Pose

Configurey Name/Address			Billing Info	imation			-			Spation.	Center	per / Prep	errative.		Chair of Custod	Page s of
Enviro-Ag Engineering 3404 Abway Blvd. Amenso, TX 78118				ultin way Blvd, , TX 79118		Pres Chk) ce Analytical
Report to:			Email To	multi-drawer	ug.com,mgrayinar ntriag.com,ms/com	надевч		Pres							190 Alien, 1	X 75013
Jourdan Mullin Project Description		City/State Collected	1	and confus	Please PT MT	Circle		E-No		Ì			1		Cartalidade publicade Paca Forme and Carta	rd tills sheet of pushady aginters one nasceptures of thors found of
hone: 254-965-3500	Chert Project			Lab Project		() ()	105	250mlHDPE-NoPres			NO3	Pres			100 # L [553075
Officered by (print)	Site/Facility	0.0		PG.		-	-NoF	2500	-	90	PE H	E-No			Table #	
Jane Troller	012.0	ab MUST Be		Quote #			HDPE	Mg. Na	ologic	E-HZ	MITTE	HDP			Acctnum: Di	SENVIGOTA
gare statter	Sarne D	#Y FAVE #Y S D# #Y 10 D	Day (Rad Only)		lesults Needed	No	CHLORR SOOmHDPE-NoPres	Cg.	FTWFC Microbiological	TKN 250miHDPE-H2SO4	Total Metals 250mlHDPE HNO3	WetChem 500mIHDPE-NoPres			Prelogin: P9 PM: 923 - Rem PB.	58060
Sample ID	Comp/Grab	Matnx *	Déath	Date	Time	Kotri	CHLO	Dissolved	FTWF	TKN 2	Total A	WetCh			Shipped Via: (Sample # (Not or
Schreiber Somle Z	Bi	ww		11/2/2	z 4:37	14	x	х	x	Х		Х				10
Schreiber Sorple 2	9	WW		11/2/	22 9:33	3 3					X					02
						H				Re	l: ,	96	07	Ces	ei 1/3/	22 190
	100									/w.		1-7			1,21	
				-						-						-
W - Groundwater B - Broassay W - WasteWater	Total	nem = Cl, F Wetals = Ag g by 245.1	, "NO3", p , Al, As, B	H. SPCON. B. Be, B. Co	and SO4 "No Gr, Cu, No, Pt	trate = 4 o, Sb, Se	Mhr ho	ld" nd Zn b	y 200.			Temp Other		000 B1	Sample Reveipt C al Present/Infact Unset/Accurate arrive letact t bottles used:	beskä fat.
W - Orinking Water T - Other	ingiles returned UPSFedEr			_ n	ractions to									Puffin	Int Volume sent	Y
Bane Trotte	, li	102/2	fline	:15	Aliene Her	ALC: U	18.	ie.		Top Bian	X Ancen	ed Yei	CL/ MeaH	Freder	vacion Correce/ch ceen <0.5 mG/Ar	
minigulated by (tignature)	Da	12/2	2 13	345	SCAV	NA.	P	nex		Temp:	*(The second second	. Successed	If presen	reation required by Lo	gin: Date/Time
SCHALL Me	14	100	Time	-	ectived for lab to	(Suprari	7 ()		- 1	Date:		Tima:		Hold:	-	Condition:

THE PARTY COURT IN			
	P-DAL-C-001-rev 14	1 No.: -rev.14	Issuing Authority: Pace Dallas Quality Office
	Sample Condition Upon Receipt	ion Upon Rece	100
Obalias	as EFt Worth	□Corpus Christi	ti 🗆 Austln
Client Name: ヒルバ・マーハス Projet Courier: FedKD UPS D USPS Client ごいのこ PACE Dither Tracking #:	Project	Project Work order (place fabel):	(label): L1553075
Received on ice: Wet #= Blue = No ice = Received on ice: Wet #= Blue = No ice = Receiving Lab 1 Thermometer Used: FWTM03 Receiving Lab 2 Thermometer Used:	13 Cooler Temp °C: [. 8]	ř l	(Recorded) 0.5 (Correction Factor) 1.3 (Actual) (Recorded) 0.5 (Correction Factor) 0.0 (Actual)
Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable riage Person: $\Delta \mu$ Date: $11/L/t$.	to 6°C unless collected san Date: $\frac{1}{1}/L/\iota^{-1}$	ne day as receipt in v	which evidence of cooling is acceptable
Chain of Custody relinquished		Yes 2 No 🗆	
Sampler name & signature on COC		Yes & No a	
Short HT analyses (<72 hrs)		Yes Z No C	
Sufficient Volume received		□ oN Æ say	
Correct Container used		Yes & No a	
Container Intact		Yes / No D	
Sample pH Acceptable (LILLO) Residual Chlorine Present (1870) Sulfide Present Lead Acetate Strips; (MM-2)		Yes G No G N	NA D
Are soil samples (volatiles, TPH) received in 5035A Kits: (not applicable to TCLP VOA or PST Program TPH)	ved in 5035A Kits gram TPH)	Yes 🗆 No 🗅 N	NAZ
Unpreserved 5035A soil frozen within 48 hrs	48 hrs	Yes O No O	NA Ø
Headspace in VOA (>6mm)		Yes = No = h	NA G
Project sampled in USDA Regulated Area outside of Texas State Sampled:	rea outside of	Yes E No E	NA Z
Nine Conference		YAC F. NO C	

Pace Analytical ANALYTICAL REPORT

Enviro-Ag Engineering

Project Number: Samples Received: Sample Delivery Group: L1562686

12/01/2022

3404 Airway Bhd Jourdan Mullin

Report To

Description:

Amarillo, TX 79118

Entire Report Reviewed By: Hungan Sha

Routh, roke only to the terra seyed or calcided and are received as intended others. This has report sufficie to increasing a cought of a service written appeared in a subsequent When adjustation, arrange conductably five a subsect of the overall conductable graphists; produced an isocopie you during the production (Five 20-14) and the 2024 of the overall conductable graphists; produced an isocopie or country religious to increasing all the reference in the 2024 of the country of the subsequence of the country of the country of the reference in the 2024 of the 2024 of the subsequence of the country of the country of the reference in the 2024 of the 202

Project Manager Reagan Johnson

SS

5

Ň

0 Þ

Enviro-Ag Engineering

12055 Lebanon Rd Mount Juliet, TN 37122 515-758-5358 800-767-5859 www.pacenational.com

PROJECT

SDG L1562686

DATE/TIME: 01/12/23 11 02

PAGE 1 of 43

Pace Analytical National

SDG LI562686

TABLE OF CONTENTS

Cp. Cover Page

Sc: Sample Chain of Custody Gl: Glossary of Terms Al: Accreditations & Locations Sr: Sample Results Cn: Case Narrative Ss: Sample Summary To Table of Contents Oc Quality Control Summery Metals (ICP) by Method 200.7 Mercury by Method 245.1 Wet Chemistry by Method 5M5210B Wet Chemistry by Method SM4500NH3H Wet Chemistry by Method SM 4500-H+B Wet Chemistry by Method 5310C SCHREIBER 3 L1562686-02 SCHREIBER 3 L1562686-01 Wet Chemistry by Method 5220D Wet Chemistry by Method 45GDP-E Wet Chemistry by Method 4500CN-E Wet Chemistry by Method 351.2 Wet Chemistry by Method 3500Cr-B Wet Chemistry by Method 1664A Microbiology by Method 92220 Wet Chemistry by Method 4500CI G-2011 Wet Chemistry by Method 300.0 Wet Chemistry by Method 120.1 Gravimetric Analysis by Method 2540D Gravimetric Analysis by Method 2540C

0

S. S, SS

10 11 13 15 16 16 17 17 18 20 20 20 22 23 23 24 24 27

34

SAMPLE SUMMARY

SCHREIBER 3 L1562686-01 WW			Cone bonor	12/01/22 09:10	12/01/22 10:43	7
Method	Balch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Microbiology by Method 9222D	WG1969277	-	12/01/22 14:58	12/02/22 14 58	CNC	Ft Worth, TX
Calculated Results	WG1973314	_	12/22/22 15:01	12/22/22 15:01	IJG	Allen, ⊤x
Calculated Results	WG1971247	_	12/15/22 11 45	12/15/22 11:45	CAG	Allen, TX
Gravimetric Analysis by Method 2540C	WG1968709	_	12/03/22 07:28	12/03/22 09:55	001	Allen, TX
Gravimetric Analysis by Method 2540D	WG1969073	_	12/04/22 14 08	12/04/22 15 22	700	Allen, TX
Wel Chemistry by Method 120 1	WG1968970	-	12/04/22 08:24	12/04/22 08:24	100	Allen, TX
Wel Chemistry by Method 1664A	WG1974310	_	12/14/22 16 28	12/15/22 11:10	겆	Allen, TX
Wel Chemistry by Method 300 C	WG1967877	_	12/02/22 17 34	12/02/22 17:34	EIG.	Allen, TX
Wet Chemistry by Method 300 C	WG1968405	-	12/02/22 15:25	12/02/22 15:25	EG	Allen, TX
Wet Chemistry by Method 300 0	WG1968405	_	12/02/22 19 36	12/02/22 19 36	913	Allen, TX
Wel Chemistry by Method 351 2	WG1973020	_	12/15/22 00 16	12/15/22 11:45	ÇAG	Mt Juliet, TN
Wel Chemistry by Method 4500Cl G-2011	WG1968668	_	12/02/22 23:10	12/02/22 23:10	다	Mt Juliet, TN
Wet Chemistry by Method 4500P-E	WG1973139	50	12/14/22 17:22	12/14/22 17 22	KCM	Allen, TX
Wet Chemistry by Method 52200	WG1970622	_	12/07/22 12 04	12/07/22 18:10	SMC	Allen, TX
W+L Chemistry by Method 5310C	WG1969822	ū	12/06/22 13:26	12/06/22 13 26	EG	Allen, TX
Wel Chemistry by Method SM 4500-H+B	WG1974607	_	12/14/22 20:00	12/14/22 20 00	SMC	Allen TX
Wel Chemistry by Methad SM4500NH3H	WG1971247	10	12/08/22 13 55	12/08/22 13:55	EIG	Allen TX
Wet Chemistry by Method SM52108	WG1968313	-	12/02/22 12 10	12/07/22 08 56	SMC	Allen, TX
Wet Chemistry by Method SM52108	WG1968398	_	12/02/22 13:55	12/07/22 09 51	SMC	Allen, TX
Metrifs (ICP) by Method 200 7	WG1973314	-	12/13/22 08 22	12/22/22 14:34	1JG	Allen, TX
Metals (ICP) by Method 200 7	WG1973314	20	12/13/22 08 22	12/22/22 15:01	TJ6	Allen, TX
Metals (ICP) by Method 200.7	WG1977205	-1	12/20/22 11:19	12/21/22 14:30	EJS	Allen, TX
Metals (ICP) by Method 200 7	WG1977205	20	12/20/22 11:19	12/22/22 17:08	TJG	Allen_TX
SCHREIBER 3 L1562686-02 WW			Collinstend by	Collected date/hme 12/01/22 09 19	Received datestime 12/01/22 10 47	Stine
Method	Batch	Children	Preparation date/hme	Analysis date/time	Analyst	Locabon
Calculated Results	WG196B292	-	12/15/22 11 00	12/15/22 11:00	XCM	Allen, TX
Wet Chemistry by Method 3500Cr-8	WG1974881		12/15/22 11 00	12/15/22 11:00	KCM	Allen, TX
Wet Chemistry by Method 4500CN-E	WG1970463	-4	12/07/22 08:54	12/07/22 15:13	KCM	Allen, TX
Mercury by Method 245 1	WG1970134	H	12/06/22 15 34	12/07/22 14:16	CK	Allen, TX
Metals (ICP) by Method 200 7	WG1968292	***	12/02/22 10 41	12/08/22 17:15	CLK	Allen, TX
Metals (ICP) by Method 200 7	WG1968292	-	12/02/22 10:41	12/22/22 12 24	TJG	Allen TX
Metals (ICP) by Melhod 200.7	WG1968292	20	12/02/22 10 41	12/22/22 16:04	LJG	Allen TX

Enviro-Ag Engineering ACCOUNT:

PROJECT

SDG L1562686

DATE/TIME: 01/12/23 11 02

PAGE 3 of 43

ACCOUNT: Enviro-Ag Engineering

PROJECT

L1562666 506

DATE/TIME: 01/12/23 11 02

PAGE: 4 of 43

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDI, (LOD) and RDI, (LOD) walters reported for environmental samples have been corrected for the dilution factor used in the analysis. All Memod and Blatch Quality Control are within established criteria except where addressed in this case harrative, a hone-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the bloodatory as having the potential to affect the quality of the data have been identified by the bloodatory, and no information or data have been interested by the absorbatory, and no information or data have been formations.



Reagan Johnson Project Manager







SS



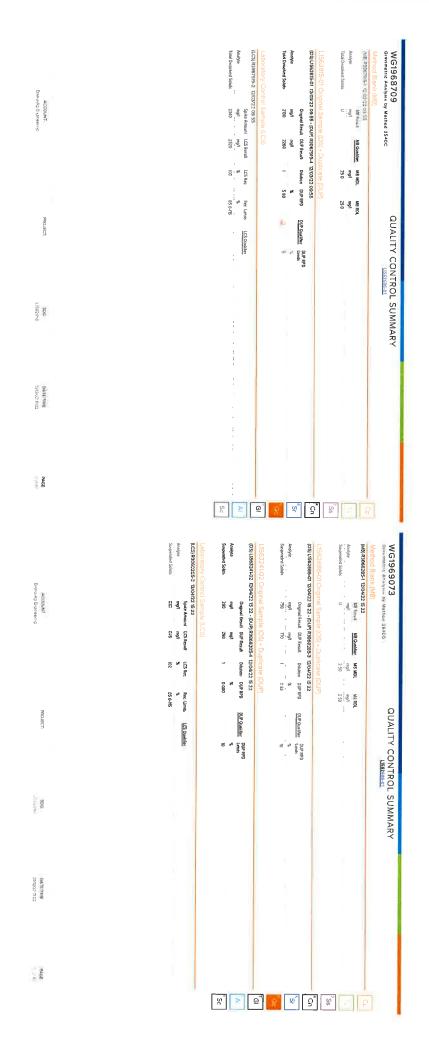


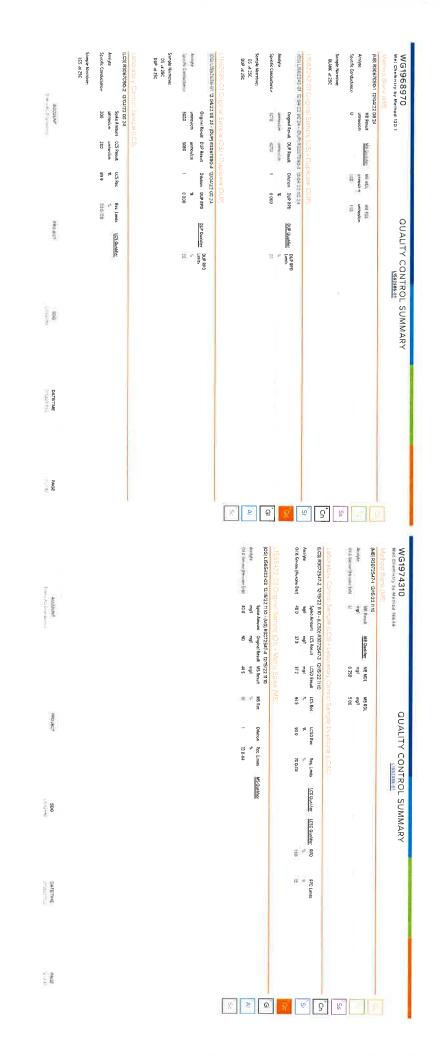
ACCOUNT:	residual	Analyte	70	Wet Chemistry by Method 4500Cl G-2011	german may object the			Wet Chemistry by Method 351.2	Sullate		Fluoride			2	Wet Chemistry by Method 300.0		ese (Hexane Extr)	Analyte		Wet Chemistry by Method 1664A	L1562686-01 WG1968970; at 25C	Sample Narrative:		Specific Conductance		Wet Chemistry by Method 120.1		Suspended Solids		Gravimetric Analysis by Method 2540D		Total Dissolved Solids		Gravimetric Analysis by Method 2540C	Algamenta and gen			Calculated Results	Social Accordance			Calculated Results	Collictul recal			Microbialogy by Method 9222D	SCHREIBER 3 Collected date/time 12/01/22 09 10
			Result C	4500CI G	1	ing).	=	351.2	131	0.587	N	1050		Result	300 0		E			1664A				5080		1201		750	-	lethod 254		3780	7	lethod 254	2.00	mg/m			7.07	2	Result		300	DO 71		9222D	10
	TS G		Qualifier B	-2011		2 3	Qualifier R		0	0	0	0	3	Qualifier R			Ç1	- A	1						Dualifier R			2	Qualifier R	OD	,	2	Qualifier	OC			Qualifier R				Qualifier F		lt.	ō	Qualifier [(0
PROJECT	0.000		ADL.		0.530				0 700	0 500		0 800	mg/l	RDL				mg/s						TOT DITTOSCU				250				25G			0.63.0						RDL		12/02	date / time	Dilution Analysis		SAMPLE
SDG			Dilution Analysis		2202/2023		Dilution Analysis		12/02/2022 19 36	12/02/2022 15 25	12/02/2022 17 34		date / time	Dilution Analysis			12/15/2022 11 10	date / time	Dilution Analysis					12/04/2027 08:74	Dilution Analysis			1 12/04/2022 15:22	Dilution Analysis			12/03/2022 09:55	Dilution Analysis		CK11 220216121		Dilution Analysis		122220221501		Dilution Analysis		12/02/2022 14 58 WG1969277		sis Batch		E RESULTS - 01
	WG1968668	١	Batch		W010170020	Wood Toolog	Batch		WG1968405	WG1968405	WG1967877	WG1968405		Batch			WG1974310	No.	Rarri				To Locate	WG196R970	Batch			WG1969073	Batch		10000000	Wichgen 7ng	Batch		11-21761944	TACAPONIA.	Batch		MPP/GIAM		Batch		7.				3
DATE/TIME:																																															
PAGE																			×												35		Δ"	<u> </u>	2	200		ř.		5		SS	ta		CD		
ACCOUNT												Sodium, Dissolved	Sodium	Magnesium.Dissolved	Calcium, Dissolved	Calcium	Analyte		Metals (ICP) by Method 200-7		CBOD	Analyte		Wet Chemistry by Method SM5210B		Ammonia Nitrogen		Wet Chemistry by Mel		Sample Narrative: L1552586-01 WG1974607: 8,52 at 18,30		PH	Analyle	Wet Chemistry by Met		FOC (Total Organic Carpon)	Analyle	Wet Chemistry by Me		cop .	Analyte	Wet Chemistry by Me		Phosphorus,Total	Antho	Wet Chemistry by Me	SCHREIBER 3 Collected date/fime: 12/01/22 09:10
												980	663	37.9	59.3	851	ng/l	Result	d 200.7		46.6	mg/l	Result	hod SM5		8.02	Result	hod SM4		118/3C		8 52	Result	Method SM 4500-H+B		17	Result	Method 5310C		672	Result	Method 5220D	į	12.1	Result	Method 4500P-E	2 09:10
																		Qualifier		1	- KG	-	Oualifier	210B			Qualifier	Method SM4500NH3H			Ì	ទី	Qualifier	500-H+B			Qualifier	C			Qualifier				Qualifier	OP-E	
PROJECT												20 0	20 0	100	1.00	1.00	mg/l	RDL			1.00	mg/l	RDL		1	100	RDL					1 12/	Dilution An			3 50	RDL			25.0	mp/		e e	2 50	RDL		SAMP
9												20 1			1193	iis	0.	Dilution A					Dilution A			10 0	Dilution					12/14/2022 20 00	Analysis date / lime			ia.	Dilution			Ħ	Dilution			50	Dilution		LE RES
SI												12/22/2022 17:08	12/22/2022 15 01	DE PL CCUCAC/CI	12/21/2022 14 30	12/22/2022 14 34	date / tme	Analysis			12/07/2022 09:51	date / lime	Analysis	11		12/08/2022 13:55	Analysis					WG1974607	Batch			12.06/2022 13 26	Analysis			12/07/2022 18:10	Analysis		10 10 10 10 10 10 10 10 10 10 10 10 10 1	12/14/2022 17 27	Analysis		SAMPLE RESULTS - 01
SDG:												WG1977205	WG197331	WG1977205	WG19772L	WG197331		Batch			WG1968398		Batch			WEIP71247	Batch					1607				WG1969827	Batch			WGIQ70600	Batch		1000000		Batch		01
DATETIME												166	E	ă le	18	ia i				Ü	98				H	77									Į.	127				(2)				30			
PAGE																		ļ													S		ΔΙ	ଦ	ना	000		ē,		5		300	To		Ch		

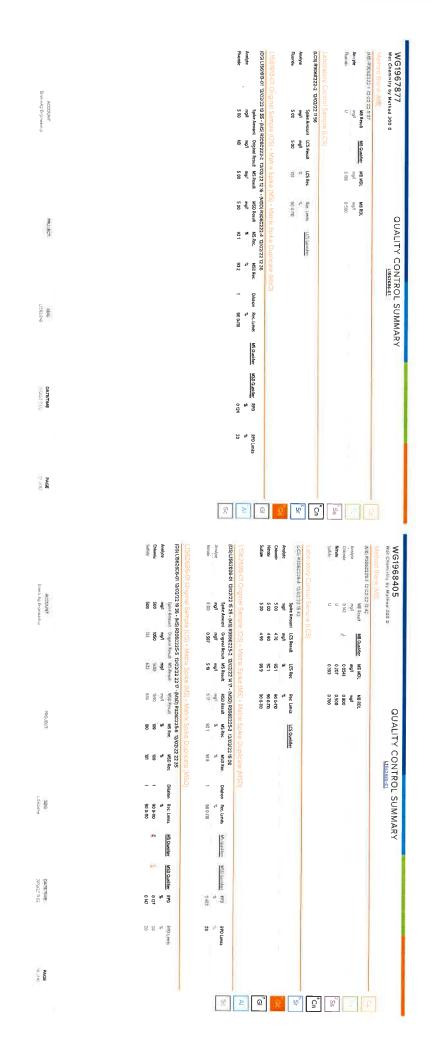
œ	Zinc	Thallum	Sodium	Selenium	Manganese Nickel	Magnesium	Levid	Chromium	Calcium	Cadmium	Boron	Binum	Arrenic	Antmony	Aluminum	Analyte	Metals (ICP)	ļ	Mercury		Mercury by I	-Politica	Analyte		Wet Chemis:	L1562686-02 WG	Sample Marrative	Chromium Hexavalent	Analyte	Wet Chemis	Chromium,Trivalent	Analyte	Calculated Results
ACCOUNT Enviro-Ag Engineering	0.173	ND	846	ND	n notes	39.7	8	S N	67,4	ND	8 8	0.0847	NO	ND	4.03	Result	Metals (ICP) by Method 200.7	į	ND mgs	Result	Mercury by Method 245,1	Z	mg/l	Result	Wet Chemistry by Method 4500CN-E	L1562686-02 WG1974881 Sample not field filtered within 15min of collection			Result	Wet Chemistry by Method 3500Cr-B			Results
																Qualifier		ì	4	Qualifier				Qualifier	OCN-E	red within 15 min of	ì	d	Qualifier)OCr-B	-	I	Qualifier
PROJECT	0 0250	0 0 0 0 0 0	20.0	0 0200	0.0500	100	0.0100	0 00700	1.00	0.00500	0.000	0 0000	0 0200	0 0250	0.500	ROL			0.000200	101		0000	mg/l	RDL		collection		0 00300	ROL mg/l		0 00300		BDL
SDG L1562666	12/08/2022 17:15	12/08/2022 17 15	20 12/22/2022 17:15	12/22/2022 12 24	12/08/2022 17:15	12/08/2022 17:15	12/08/2022 17:15	12/08/2022 17:15	12/08/2022 17:15	12/08/2022 17 15	12/08/2022 17:15	12/08/2022 17:15	12/08/2022 17:15	12/08/2022 17 15	12/08/2022 17:15	Dilution Analysis			12/07/2022 14/16	Dilution Analysis		12/07/2022 15 13		Dilution Analysis				1 12/15/2022 11 00	Dilution Analysis date / lime		1 12/15/2022 11 00	date / time	Diluton Analysis
6 S.	WG1968292	WG1968292	WG1968292	WG1968292	WG1968292	W61968297	WG1968292	WG1968292	WG1968292	WG1968292	WG1968293	WG1968292	WG1968292	WG1968297	WGTGEROG	Batch		10000	WEIGEDINA	Batch		W61970463		Batch				WG1974881	Batch		WG1968292	l	Batch
DATE/TIME: 0V/2/23 1/02				3.0		200				8-1																	ñ				2		
PAGE 7 of 43																			[Sc		D.	G	חַ	S	1	o ^{tt}	S		\$S.	To o		8
															Californ Fecul	Attende	[05] L156260			Analyte	(NIB) REGESE		Acceptant a sector	Analyte	(NB) R30636	Microbiolog	WG1969277						
	ACCHUNT														300	cfu ⁻ 100 ml	OS) LIS52505 01 12 02/22 14 50 + (DUP) R3050509-3 12:02/22 14 50 Oramol Result DUP Besult Dumber Dumber			clu'igo mi	(NIB) R3063689-2 12/02/2214 55 MB Result	lank (MB)	į	cfu100 ml	(AIB) R3068689-1 12/02/22 14 50 MB Result	Microbiology by Method 9222D Method Blank (MB)	9277						
																cfu (00 m)	14.50 - (DUP) R3060609-3 12.02	ie (OS) • Duplicate (DUF)			88 D-16-			ch/(00.e)	NE SUIVE NET								
	28.08c														St E		3			cfu100 ml				men chu100 ml			QU.						
	30														ty	Limits	DUP OLIANSEY DUP RPD									L1562	ALITY CONT						
	100 100																									L1562686-01	ROL SUMMAR						
	DATETHE																										2Y						
	- MC																																

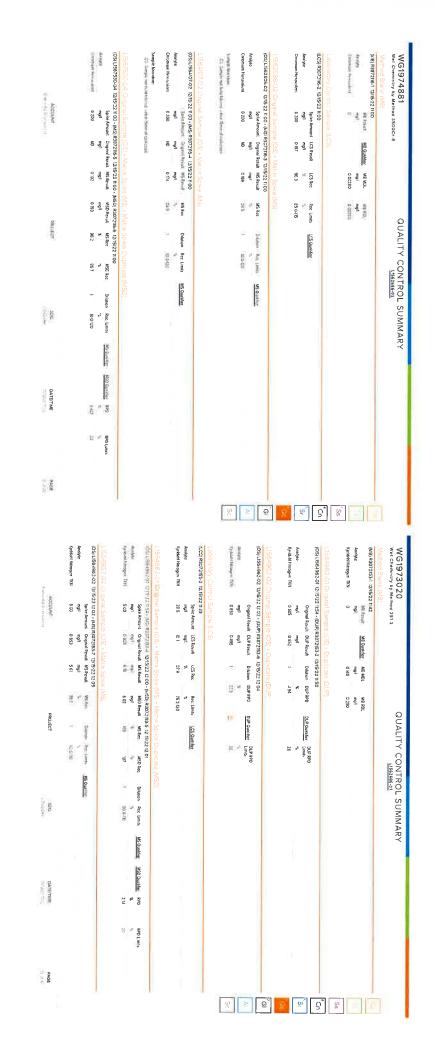
SCHREIBER 3
collected date/line 12/01/22 09 10
Calculated Results

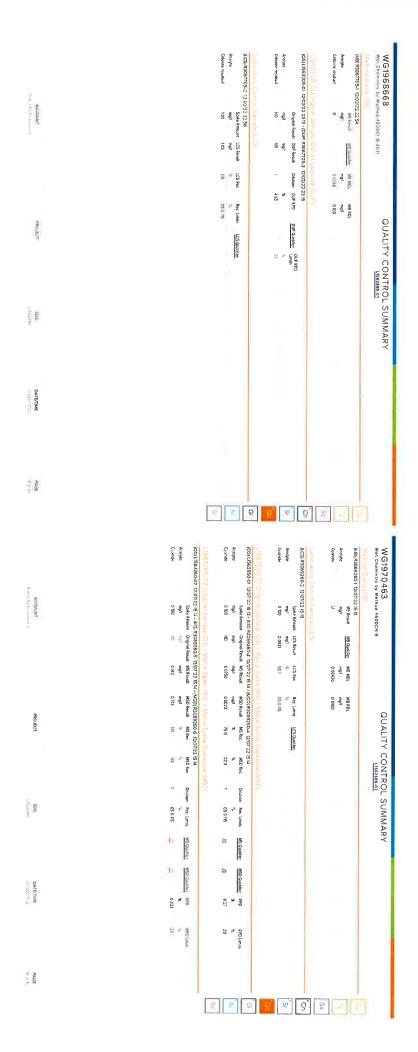
SAMPLE RESULTS - 02

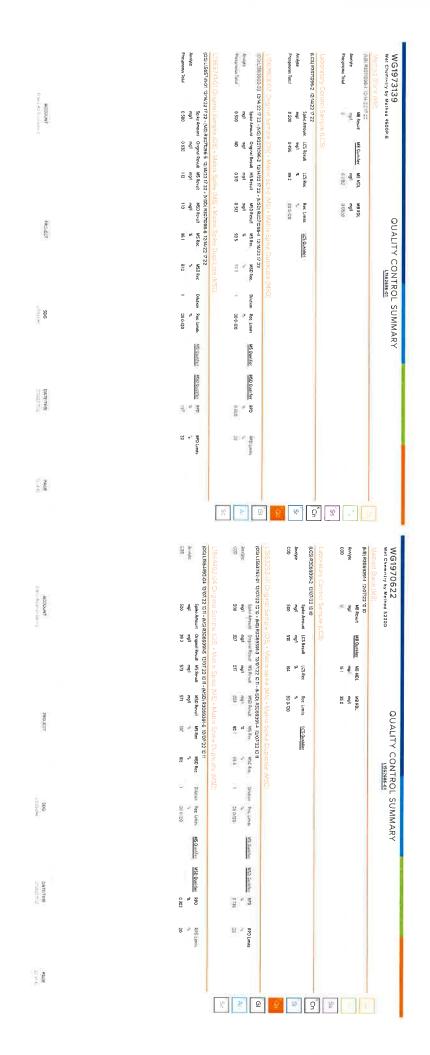


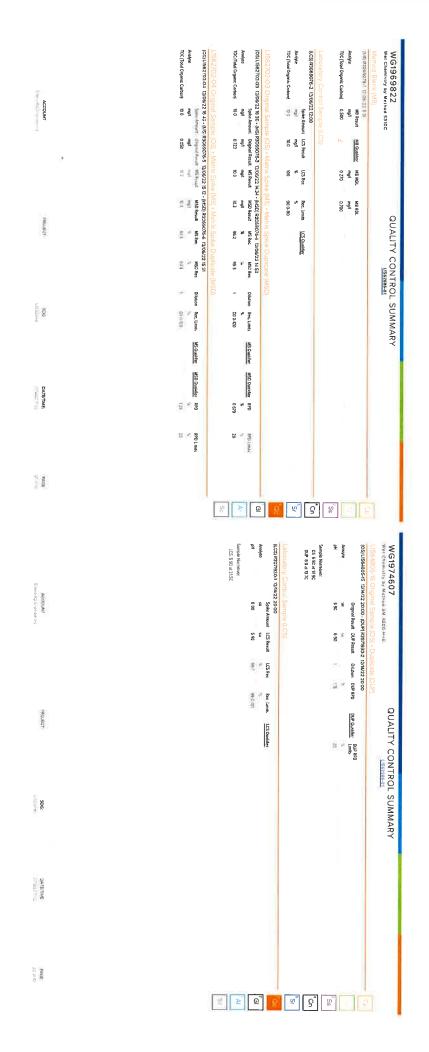


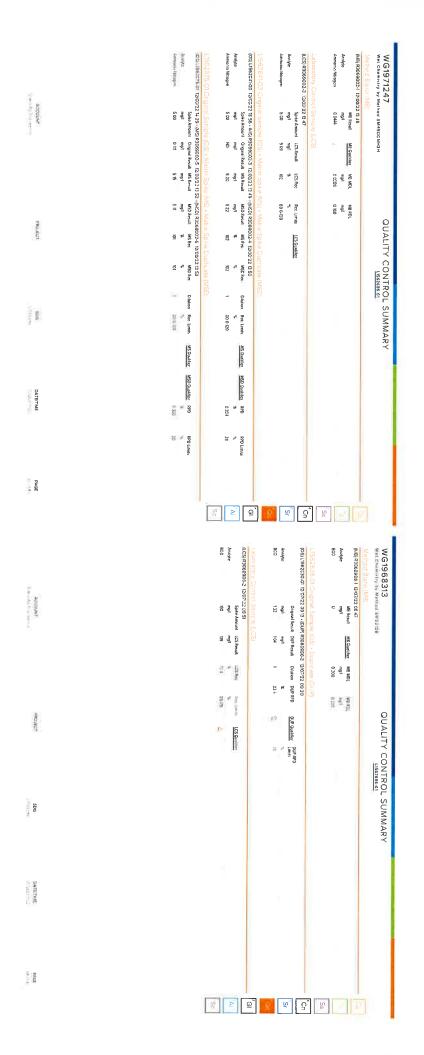


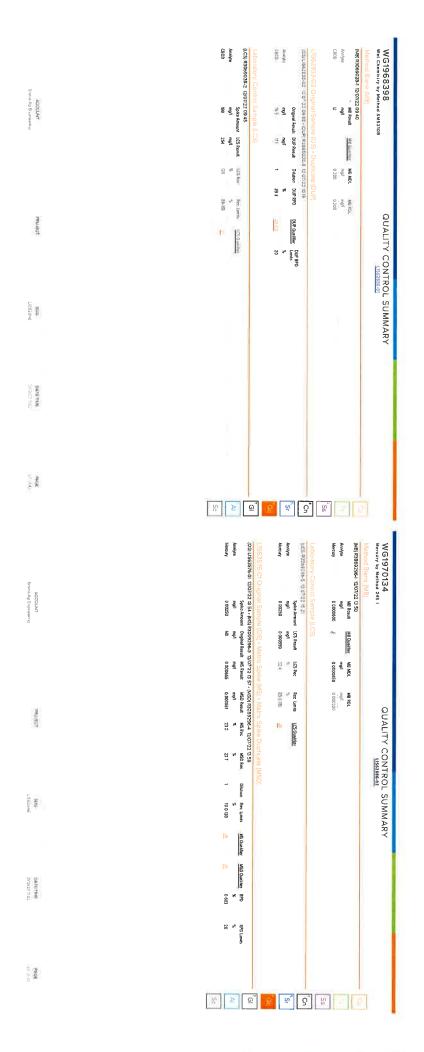




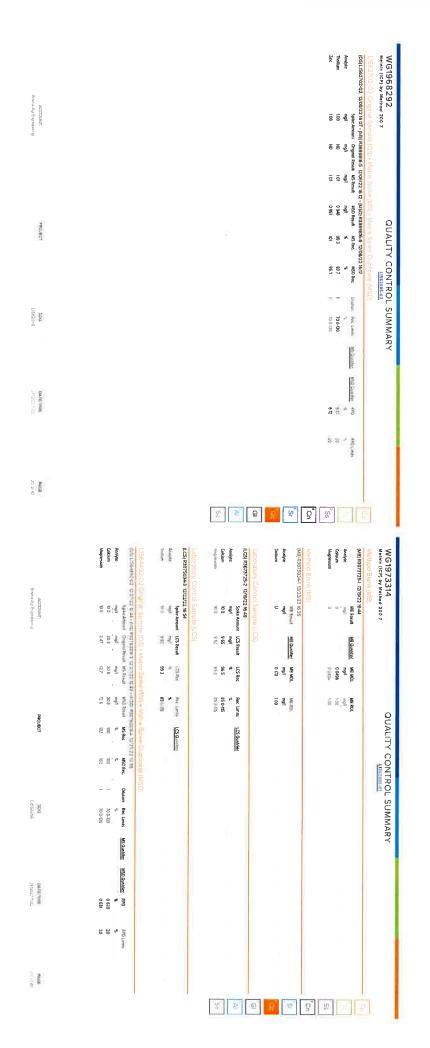


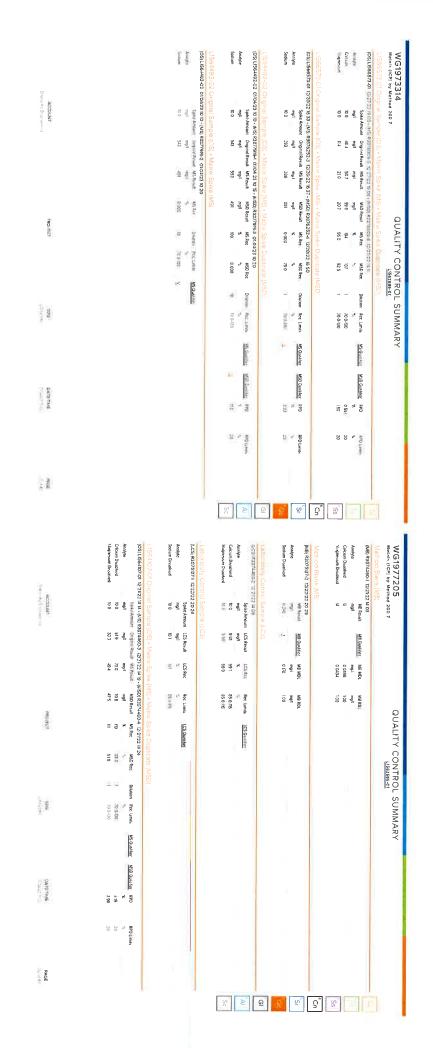






090 961 550-15 Note: 100 NO 103 0969 OF PROMOTE STATE PAGE 4000-103 0969	Vagnesum 11	992 992 35075	0952 952	0.000 929 350-75	100 0950 952 55.01% Soon	0973 97.3 05-0:175	0070 070 050-415	0.960 96.2	0 969 969	100 0955 955 250/HS	9 59 96 9	*	Shekama III LES Rec Rec Limits CSO	(CS) R200000 27 5-84			The state of the s		Ð	00000 00500 0		0 00712 0 000 0 0454 100		0 000700 0 00700	0		0.000490 0.0000	0.00410	U 00333 0500	ngi	Neg procession 1 Court California Me MOU ME	Weiner State (WE)	WG1968292 QUALITY CONTROL SUMMARY LISSIANDED 200 7 LISSIANDED 2
0921 95.1 25.015 Net-el 100 ND 103 0969	\$2.1 35.015 Vujenoum	992 350 175	95.2 85-0.18	909 350-15	950 35 0 75	97.3 05-0-175	070 050415	296	969	96 <i>7</i> 95 <i>5</i>	969	*	LCS Rec Rec Limits	1100)			-117								0					ngi	NG OTHERS WE WOL		QUALITY CONTROL SUMMARY
25 C.15 NACE 100 ND 103 0,969	35 0.15 Wagnesian 85 0.15	55 O 175 Look	85.0475	35-0-17	25 D 175	85 연기하	SS 0 PT 5					*	LCS Rec Rec Limits				-117								0					ngi	ME MOL		QUALITY CONTROL SUMMARY
PRODUCT SCHOOL DATE THE PAGE 4500APT SCHOOL TO 103 0,969	Vagnesum	Leid						250.115	85 O-115	25 O.175	9S 0-115	10					POLYC	160	0.00500	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0500	100	0 0200	0.00700	0.00500	0160	0 0100	00200	0500	mg/l	MB POL		QUALITY CONTROL SUMMARY
DARTHE PACE 4000ANT 0 103 0969	ium.		Copper	Commun	вотел	Bery																											COL SUMMARY
Metel 100 NO 103 0,969 PAGE 2500 A DE FILLE MAN DE SERVI A DE SER	ium.		Copper	Colmum	Вогол	Berry																											
Medel 100 ND 103 0,999	ium.		Copper	Codmium	Вогоп	Bury																											
100 NO 103 0.969	ium.		Copper	Codmum	Вогол	Berry												So.		A	Q	2	90		či,		3,	S		61			
ND 103 0,969	100	= :				lium	Brana	Antimony	Aluminum	Analyte	Spike Amount Original Result MS Result MSD Result MS Recult MSD Result MS Rec	1001115627521.02 12	L1562702-02 Criginal Sample		ľ	(Padian)		Vlangunese	Le d	£	(Appropried	Autyr	(OS) (OS 2702-01 1200/22 IS ST = (NS) R3869016-3 12700/22 IS ST - (NSD) R3869016-4 12700/22 IS SZ SPAc Amount Organi Result MS Result MSD Result MS Rec MSD I	Control Control of Con	O MOTOR CONTRACT	2	Thollium	Sodium	Selenum	Analyte	(LCS) R3869816-2 (Z/08/22 15 46 Spike A	Laboratory Control Sample	WG1968292 Metals (ICP) by Method 2007
ND 103 0,969		6	700	5 8	100	100	0 0	8 8	000	mg/l	Spike Amount	00.00 IE 07			100	100	100	100	100	100	100	mg/l	Spike Amount	Sing pains		ş	100	100	100	mgy	Spike Amount	irci Sample	12 thed 200 7
0.969	77	NO.	NO 222	ě	0.320	Š	0 0745	5 6	8		unt Organal Re	Pictories of			S	8 8	8	ND	8 8	N.	8 8		ount Organi Re	ne forty an		0 900	0930	98 6	101	mg/l	ount LCS Result	(LCS)	
	25.2	9880	0993	ē ē	ū	090	S 5	: ia	100	mg/l	Original Result MS Result	2 17 00/07 51 5			0 955	0.942	0 967	0 925	0936	0.971	0986	mg/l	Organi Result MS Result	out a moons object (wood) a moons object coolings (wood)		8	920	165	2 5				
	272	3560	0 969	2760	Ĭ	0 957	ខ្ម	0967	966	ng/l	MSD Result	מספס יחבות ב			9	190	ē	0 969	0 989	102	102	Tiger.	MSD Result	finest - total	- M	0.00	85 0-115	25 O-115	95 0 15	ě	Rec Limits		O
PROJECT ID2	8	999	993	103	914	90	97.2	<u> </u>	967		MS Rec	one o and			98.5	£ 15	950	92.5	92 5	971	966		9816-4 12/00/2 MS Rec	ix opise to							LSO _m the		UALITY
95 2	195	938	969	971	86 6	957	5 5	96 7	953	75	MSD Rec	de in constitute			□ :	994	į,	96.9	6 05	102	102 2/2	•"	MS0 Rec	nburgae (w)									CONTROI
70 0-13 SDG	70	70	70	70	1 70	70	70	70	2 2		Dilution Ru	100,			7 7	7. 7.		2	2 2	2	7.7	Î	Dilution Rec Limits	ou)									ROL SU
70 0-130 DDG	70 0-130	70 0-130	70 0-130	70 0-130	70 0-130	70 0-130	70 0:130	70 0:00	70 0-130		Rec Limits MS Qualifier N				70 0-130	70 0-130	70 0 730	70 0 130	70 D-130	70 0-80	70 0-130		MS Ounlifer										QUALITY CONTROL SUMMARY
			2 52 2 52				153				MSD Qualifier RPD				5.55	5 15	5.79	153	550	5 51	504		MSD Cunlifier RPD										
20 PAGE	20	20	20	20	20	20	20	20	20	g1	RPD Lm i				12 1	8-3	H	21 1	W 13	8.1	ta 14	gill .	MAD : 1975										





	Analyte Scidum Doubled	L1554107-01 Outpinal Sample (OS) - Matrix Spike (MS) - Matrix Spike Dupitoate (MSD) (OS) L1564107-01 1227/22 18 02 - MS) 1927/20 18 07 - MSD 1927/	WG1977205 Metals (ICP) by Method 2007
STUDIO	Speedingtol Oppositional Actions and Compositional Actions and Composition and	al Sample h	1d 200 7
	Organitosa mpl III.	OS) - Matr	
	MS Result ung/ Ung	tx Spike (k	
70	100 Security 100 S	AS) - Matro	<u>و</u>
1297084	0 00 K W.S. & K	Spike Du	JALITY
	C C C S 8 6 7 7 7 8 8 6 7 8 8 6 7 8 8 6 7 8 8 6 7 8 8 6 7 8 8 6 7 8 8 6 7 8 8 6 7 8 8 6 7 8 8 6 7 8 8 6 7 8 8 8 6 7 8 8 8 8	plicate (MS	QUALITY CONTROL SUMMARY
ij	10 E	ğ	SOL SU
9	€ Liller		MMAR
	S. O. a. Nig		
DATEMME	E Combby		
ñ	2 # 200 31		
	8PO Limits		
36776			
	\(\rightarrow\) \(\rightarrow	17	

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Dischimer - information that may be provided by the customer, and contineed within this report include Permit Limits, Project Nume. Sample: D. Sample: Marky, Sample-Prescryation, Fulled Blanks, Field Spikes, Field Duplicatess, On-Site Datas, Sampling Collection Dates/Times, and Sampling Location Results relate to the accountry of this information provided, and as the samples, are received.

ਹ__

SS

ر آ

Contractions and Demindons	
MDL	Method Detection Limit
ND	Not detected at the Reporting Limit (or MDL where applicable)
RDL	Reparted Detection Limit
Rec.	Recovery
RPD	Relative Percent Difference
SDG	Sample Delivery Group
C	Not detected at the Reporting Limit (or MDL where applicable)
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sent permanent accessors an extension that make not the presentation solution or weight violate didn't from the sent device of concentrations of ranges in the sent device from the highest films of concentration that the intensity configurations of the sample why be called for manages if a value officer from its concentration of the free from the contract of the free from the free free from the free free free from the free free free free free free free fr
Limits	These are the target's recovery ranges or % difference value that the laboratory has historically determined as normal for the michod after analyze bring reported, successful OC Sample analysis will target all analyzes recovered or distinguished within these images.
Original Sample	The non-pilkind sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Conginal Sample may not be included within the reported SDG.
Qualifier	This column provides a fettle random martley designation that corresponds to additional information concerning the result reported. If a Galifier is present, a Scientific per qualifier is provided within the Glossan, and Dinfinitions page and potentially a discussion of possettle implications of the qualifier in the Coles American and reported.
Result	The actual analysisal feet insula powered for any sample specific characteristics, reported to your sample. If there was no measurable result returned for expecific encybe, the result in this obtaining may state. Part Take principle of or 201, Bellow Describe Levels. The information in the insulas column should always be incompaning by either in ADL Member Ornection (Level or 201, Bellowing Describe Limit has defined the following formation in the local exhect.)
Uncertainty (Radiochemistry)	Confidence level of 2 sigma
Case Narrative (Cn)	A part decays on about the required sental results, including a discussion of any nen-conformations to protocol observed what it sample receipt by the abortistary from the field of during the analytical protocol protocol. The sental there will be a section in the Cake Number to discuss the majoring of any obtaining section in the responsition.
Quality Control Summary (Qc)	This section of this isport includes the insults of the libbroabily quality control analyses required by procedure or analysis methods to seek in evaluating the wholey of the results inspotted for your samples. These analyses are not being performed on your samples by preally sturn or libbroabily generated an attention.
Sample Chain of Custody (Sc)	This is the document counted in the fitted when your semples were statily collected. The is great to verify the time and this of collection, for present collecting the samples, and the parties and the absorbing is industed all portions. This thin of custody also documents all prisons executing commisced in the present into have had control or posteriosion of the stating in custody also documents all prisons executing commisced in the present into have had control or posteriosion of the stating in custody also documents all prisons executing commisced in the present into have had control or posteriosion of the stating in the stating counter and delivery in the inbountery for manyers.
Sample Results (Sr)	The section of your insort will succide that results of all usering performed on your samples. These results are provided by samples 0 and are sectioned by the analysis performed on sectionaries. The header line of each analysis section for each sample will provide the native and defined analysis section for each sample will provide the native and defined analysis section for
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis

Sc ≥

<u>බ</u> වූ

The sample concentration is too high to evaluate accurate spike recoveries RPD value not applicable for sample concentrations less than 5 times the reporting limit The associated batch OC was outside the lower control limits, associated data has a potential negative bias. The associated batch OC was outside the upper control limits, associated data has a potential positive bias. Test replicates show more than 30% difference between high and low values. Sample(s) received past/too close to holding time expiration PROJECT SDG DATE/TIME: 01/12/23 11 02 PAGE: 34 of 43

L1562686

ACCOUNT. Enump-Ag Engineering

The resociated batch OC was outside the established quality control range for precision The resociated batch OC was outside the established quality control range for recturely The sample matrix arterifered with the ability to make any recurate determination; spike value is high The sample matrix interfered with the ability to make any accounte determination; spike value is low.

The identification of the analyte is acceptable; the reported value is an estimate

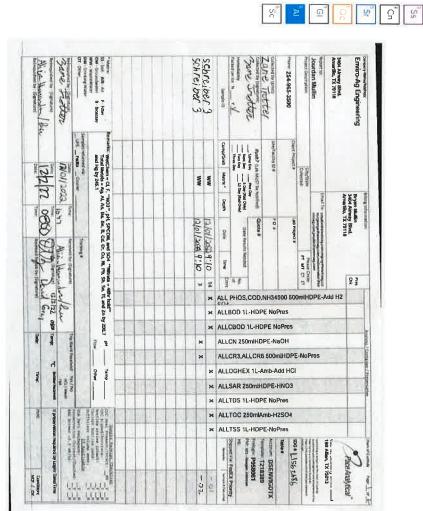
The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL)

Qualifier

Description

ACCREDITATIONS & LOCATIONS

Alaska	17:026	Newards	TNC0CE000001.1
Anzona	AZ0612	New Hampshire	2975
Arkansas	26-0469	New Jersey-NELAP	TNOOZ
California	2932	New Mexica 1	TN00003
Colorado	TN00003	New York	11742
Connecticul	PH-0197	North Carolina	Env375
Florida	E07407	North Carolina 1	DWZ1704
Georgra	NELAP	North Carolina ¹	4
Georgia 1	923	North Dakota	R-140
Idaho	TN00003	Ohig-VAP	CL0069
Illinois	200000	Oklahoma	9915
Indrana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	60-02979
Kansas	E-10277	Rhode Island	LAD00356
Kentucky 1 h	KY90010	South Carolina	24004002
Kentucky 2	б	South Dakoto	n/a
Louisiana	A130792	Tennessee 1.	2006
Louistona	LADIS	Текаѕ	T104704245-20 10
Maine	TN00003	Texas ³	LAB0152
Maryland	324	Umh	TND00032021-11
Massachusetts	EBONELWI	Vermont	VT2006
Michigan	2556	Virginia	110033
Minnesota	047-999-395	Washington	C047
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9509390
Montana	CERTIDOGS	Wysoning .	AHA
AZLA - ISO 17025	1461 01	AIHA LAP LLC EMLAP	00700
A2LA - ISO 17025 5	1461 02	DOD	10191
Canada	1461 01	USDA	P330-15-00234
EPA-Crypto	TNOODD3		
Pace Analytical Services, LLC -Dallas		400 W. Bethany Drive Suite 190 Allen, TX 75013	013
Aranshs	CC-0647	Konset	E10300
Fiorida	E07116	mei	T104704232-22-37
low d	408	Oklahoma	8727
	30.606	Conditation	27.0



*Drinking Water ** Underground Storage Tanks ** Aquathe Torricity ** Chemical/Microbiological ** Modd ** Wastawaler ** Not all certifications held by the laboratory are applicable to the results reported in the attached report ** Not all certifications held by the laboratory are applicable to the results reported in the attached report **

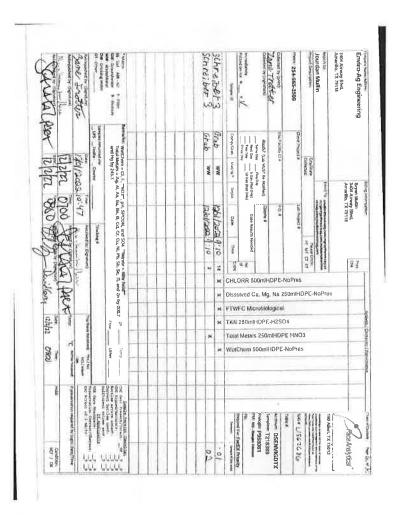
ACCOUNT Envec Ag Engermenng

PROJECT

SDG LI562686

DATE/TIME: 01/12/23 11 02

PAGE 35 of 43



•			
Pace Analytical			
	ample Receiving Non-Conform	anc	e Form (NCF)
Date: 12/1/11 Ev.	alusted by: ACIA Affix	Wol	korder/Login Label Here or List Pace
Client Envine Ac	Wo	rkor	der Number or MTJL Log-in Number Here
			, increase and inc
		-	
ab personner. Note issues on thi	s NCF.	_	it out a COC and indicate that it was filled out by
	applicable issues below and add details	who	Samples listed on COC og not match samples
Collection date time missing or incorrect	Analyses or analytes missing or clarification needed	V	received (missing additional etc.)
Same is IDs on COC do not	Required trip blanks were not received	Т	Required signatures am missing
mutch sample labsis Commente/Detalls/Other lasue	s not fisted above:		and the same of the
to Template # for bysi	ny - chief summer signs , and		to label all contained correctly due set to labe a cuple of hous after
introduction finally		-	
	ck applicable issues below and add det		vhere appropriate
3. Sample integrity lanues: che	Samples Condition needs to be brought to		Propercation Improper
3. Sample Integrity leaves: che Bamples: Past noking time	Samples Condition needs to be brought to tub personnel's abenton (data is below)		Proservation Improper Temperature not within absence cotera (typical)
3. Sample integrity lanues: che	Samples Condition needs to be brought to two personnel's attention (details below) Containers, Broken or compromised		Prosecration Improper Temperature not within acceptance covers (typical G-GC)
Sample Integrity leaves the Earnpies Past holding time Samples Not field filleted Samples insufficient volume received	Samples Condition needs to be brought to tab personnel's attention (details below) Quattainers. Broken or compromised Containers, trapproci		Proservation Improper Temperature not within absence cotera (typical)
3. Sample Integrity leasues: che Eampies: Past hoking time Sampies: Not held shared Sampies insufficient volume recaived. Sampies coefficient amaged or compromised.	Samples Condition needs to be brought to two personnel's attention (details below) Containers, Broken or compromised		Prosecration Improper Temperature not within acceptance covers (typical G-GC)
Earnplet Integrity leaves: che Earnplet: Past holding time Samplet: Not field filleted Samples: Insufficient volume received Bumilitis Cooler damaged or	Samples Condition needs to be brought to tap personnel's attention (details below). Containers. Broken or compromised Containers. Imperiod. Custody Seale Missing or compremised or		Preservation Improper Temperature not within acceptance oberia (typical 0-eC) Temperature: Samples arrived finzen
Sample Integrity leasues: che Eamples: Past noking time Samples: Not held fileded Samples: Insufficent volume received: Samples: Cooler dama gad or componised Samples contain chionne or sulfides	Samples Condition needs to be brought to tap personnels another (details below). Operatiners. Broken or compromised. Containers. Impercel. Custody Seals. Missing or compromised or samples, top blanks of Operatin.		Preservation Improper Temperature not within acceptance others (typical 0-00) Temperature: Samples arrived frazen Vials received with Improper headspace
Sample Integrity leasues: che Eamples: Past noking time Samples: Not held fileded Samples: Insufficent volume received: Samples: Cooler dama gad or componised Samples contain chionne or sulfides	Samples Condition needs to be brought to tap personnels another (details below). Operatiners. Broken or compromised. Containers. Impercel. Custody Seals. Missing or compromised or samples, top blanks of Operatin.		Preservation Improper Temperature not within acceptance others (typical 0-00) Temperature: Samples arrived frazen Vials received with Improper headspace
Sample Integrity leases: che Earnples: Past nothing time Samples: Not field filled of Samples: Insufficient volume tosare vod Samples: Cooler damaged or comprehensed Samples: contract chione or suffices Commente/Details:	Samples Condition needs to be brought to tap personnel's attention (partials below). Operationers Register or comprohised Conditioners incipred: Castody Scalp Missing or compromised or samples, too banks of counts. Packing Muterial: Haufforent/Improper	n	Preservation: Improper Temperative not within acceptance covers (typical G-60) Temperature: Samples arrived finzer Visis received with inscriper headsparie Other
Sample Integrity leases: che Earnples: Past nothing time Samples: Not field filled of Samples: Insufficient volume tosare vod Samples: Cooler damaged or comprehensed Samples: contract chione or suffices Commente/Details:	Samples Condition needs to be brought to tap personnels another (details below). Operatiners. Broken or compromised. Containers. Impercel. Custody Seals. Missing or compromised or samples, top blanks of Operatin.	i, adi	Preservation: Improper Temperature not within acceptance covers (typical 0-00) Temperature: Samples arrived finition Visit received with improper residuance Other
Sample Integrity leasues: the Earngree Past nothing time Samples: Not field filtered Samples: Insufficient volume received. Samples: Control damaged or comportated Samples: Control damaged or comportated Samples: Control chisane or sufficies. Commente/Details:	Samples Condition needs to be brought to tap personnel's attention (partials below). Operationers Register or comprohised Conditioners incipred: Castody Scalp Missing or compromised or samples, too banks of counts. Packing Muterial: Haufforent/Improper	n i, adı	Preservation: Improper Temperature not within acceptance offers (typical) 0-00; Temperature: Samples arrived finaten Vials received with Improper residepairs Other Idetails below: Incombings the added
Sample Integrity leasues: the Eampire: Past noking time Sampies: Not feld filled of Sampies insufficient volume rocelyed Samples Cooler damaged or componish Samples contain chionne or sulfides Commente/Details: 4. If Samples not preserved pr Sample ID: Proserved by	Samples Condition needs to be brought to the personnel's attention (partials oblive). Containers Incident or compromised Containers Incorned. Custody Seals Massing or compromised or samples, top burths or coopers. Packing Muterial: Insufficient/Improper. Operity and Sample Receiving adjusts phase in the partial p	n	Preservation: Improper Temperature: not within acceptance coreria (typical Gett) Temperature: Samples arrived finate Units received with Improper headspare Other details below: incomplete best added of 9 of pres added
Sample Integrity leasues: the Eampire: Past noking time Sampies: Not feld filled of Sampies insufficient volume rocelyed Samples Cooler damaged or componish Samples contain chionne or sulfides Commente/Details: 4. If Samples not preserved pr Sample ID: Proserved by	Samples Condition needs to be brought to tap personnels attention (gatalis below). Gentlaners Replace or comprehested Condaners incorrect Custody Seals Missing or comprehised or amples top Number of conditions. Packing Muterial: Insufficient/improper operly and Sample Receiving adjusts pt Date/Time Initial and Final pit OperLime	n II, add	Preservation: Improper Temperative not within acceptance covers (typical Cettle Temperature: Samples arrived hister Visits received with improper haudspace Other I details below: mounthype tires added, mounthype pies added.
Sample Integrity leasues: che Earngree: Past Inching time Sampies. Not field iffeded Sampies: Insufficient volume received. Samples: Conter damaged or componised. Samples: Contain chionne or sufficies. Commente/Dutails: 4. If Sample ont preserved pr Sample ID. Praservad by Sample ID. Praservad by Praservad by Praservad by Praservad by Praservad by	Samples Condition needs to be brought to tap personnel's attention (partials believe). Questioners Register or comprohised. Conditioners incorrect. Custody Scalp Missing or comprohised or samples too hanks or country. Packing Muterial: Haufforent/improper. Openly and Sample Receiving adjusts pl. Date:Time. Initial and Final pit. Optic Time. Initial and Final pit.	n A A L A	Preservation: Improper Temperative not within acceptance cheria (typical o-ety) Temperature: Samples arrived finzer Vials received with improper headspare Other distalls below: mounthipse are added mounthipse presided of a of presided of a of presided
Sample Integrity leasues: the Bampies Past Inching time Sampies Not field filleded Sampies Insufficient volume received Bampies footer damaged or compounded Samples contain chianne or sufficies Commental/Details: 4. If Samples not preserved pr Sample ID: Praserved by Sample ID: Praserved by Sample ID: Paserved by Sample ID:	Samples Condition needs to be brought to up personnel station for ideals additional compromised Containers Register or compromised Containers Incorrect Custody Seals Massing or compromised camples, too bards or compressed or amples, too bards or compressed or amples, too bards or compressed or packing Muterials transfoorthimproper Packing Muterials transfoorthimproper Coperly and Sample Receiving adjusts phageTime Initial and Final ph Coate/Time	n A A A A A A A A A A A A A A A A A A A	Preservation: Improper Temperature inch within acceptance onertal (typical) 6-60) Vials received with improper headsparse Other distalls below: incoming a model of or or presided of or or presided anounthype presided incoming p
Sample Integrity leasues: the Bampies Past Inching time Sampies Not field filleded Sampies Insufficient volume received Bampies footer damaged or compounded Samples contain chianne or sufficies Commental/Details: 4. If Samples not preserved pr Sample ID: Praserved by Sample ID: Praserved by Sample ID: Paserved by Sample ID:	Samples Condition needs to be brought to tap personnel's attention (partials believe). Questioners Register or comprohised. Conditioners incorrect. Custody Scalp Missing or comprohised or samples too hanks or country. Packing Muterial: Haufforent/improper. Openly and Sample Receiving adjusts pl. Date:Time. Initial and Final pit. Optic Time. Initial and Final pit.	n A A A A A A A A A A A A A A A A A A A	Preservation: Improper Temperative not within acceptance cheria (typical o-ety) Temperature: Samples arrived finzer Vials received with improper headspare Other distalls below: mounthipse are added mounthipse presided of a of presided of a of presided
3. Sample Integrity leasues: the Bamples: Past Inolying jurie Samples in the Indiana jurie Samples in sufficient volume received Bentiles: Cooler damaged or compounts Samples contain chisme or sufficient Samples contain chisme or sufficient A. If Samples not preserved pr Sample ID: Proserved by Bample ID: Proserved by Bample ID: Proserved by.	Samples Condition needs to be brought to up personnel station for ideals additional compromised Containers Register or compromised Containers Incorrect Custody Seals Massing or compromised camples, too bards or compressed or amples, too bards or compressed or amples, too bards or compressed or packing Muterials transfoorthimproper Packing Muterials transfoorthimproper Coperly and Sample Receiving adjusts phageTime Initial and Final ph Coate/Time	n L A	Preservation: Improper Temperature: not within acceptance cheria (typical) G-GC) Temperature: Samples arrived finzen Units received with improper haudapara: Other d details below: mounthype area added mounthype pres added
3. Sample Integrity leasues: the Bamples: Past Inolying jurie Samples in the Indiana jurie Samples in sufficient volume received Bentiles: Cooler damaged or compounts Samples contain chisme or sufficient Samples contain chisme or sufficient A. If Samples not preserved pr Sample ID: Proserved by Bample ID: Proserved by Bample ID: Proserved by.	Samples Condition needs to be brought to up personnel a standard (installa delication (installa delication) (i	n L A	Preservation: Improper Temperature: not within acceptance cheria (typical) G-GC) Temperature: Samples arrived finzen Units received with improper haudapara: Other d details below: mounthype area added mounthype pres added

	Document Name: Sample Condition Upon Rec	Document Revised: 7/27/20
Pace Analytical*	Document No :	Page 1 of 1 Issuing Authority
100	F-DAL-C-001-nev 14	Pace Dallas Quality Office
	Sample Condition Up	on Receipt
Client Name: Frank - A Courler FedEX O UPS o USPS in Client of Is Trocking #:	Project Work ord	
Custody Seal on Cooler/Box: Yes a No @		L1562686
Received on Ice: Wet & Blue to No Ice	Wise	W. W.
Receiving Lab 1 Thermometer Used: FVVIM1	Cooler Temp °C:	(Recorded) 📲 (Correction Factor) 🖟 (Actual
warding can a substitutibilistet 0280: 1819	Conter Temp °C: 414	(Recorded) to . (Correction Factor) (Actual (Recorded) to . (Correction Factor) 49 (Actual (Recorded) to . (Actual (Recorded)
Temperature should be above freezing to 6:	Turker roll of Lance 4	occipt in which evidence of cooling is acceptable
		eceipt in which evidence of couling is acceptable
Triage Person: AH Dat	e: 12/1/22	
Chain of Custody relinquished		
Sampler name & signature on COC	Yes in	
The second control of	Yes or i	No D
Short HT analyses (<72 hrs)	Yes 💓	Vo ri
ogin Person: Att Date	:	
	Yes p 1	10 IS
sufficient Valume received		
Sufficient Volume received Correct Container used	Yes yo	lo D
Sufficient Volume received Correct Container used Container Intact Sample off Acceptable	Yes of o	lo Ω
Sufficient Volume received Correct Container used Container Intact Sample pit Acceptable pit Sulps: Lesiaual Chlorine Present	Yes of A Yes of A Yes of A	lo D
Correct Container used Container Intact Comple pH Acceptable pH Strips: 611005 testitual Chlorine Present Cl Strips: 1860	Yes of A Yes of A Yes of A Yes of A	10 II 10 II NA II 10 II NA II
Sufficient Volume received Correct Container used Container Intact Description of the Container of the Container Intact Complete ph Acceptable ph Strips: Clistings: Clistings: Suffice Present Suifide Present	Yes of A Yes of A Yes of A Yes of A	lo u lo u lo u NA u
Sufficient Volume received Correct Container used Container Intact Sample ph Acceptable ph Strips:	Yes of Yes or A	10 11 NA 11 10 12/2 10 11 NA 16 06 12/2
Correct Container used Container Intact Comple ph Acceptable ph Stilps: 6100 Session of the Container of t	Yes of Yes of A Yes o	10 II 10 II NA II 10 II NA II
Correct Container used Container Intact Sample ph Acceptable ph Strips: (-1100 Cl Strips: 1460 C	Yes of T Yes of N Yes of N Yes of N Yes of N Yes of N	10 11 NA 11 10 12/2 10 11 NA 16 06 12/2
Correct Container used Container Intact Sample pH Acceptable pH Strips:	Yes of TYes of NYes of	10 11 NA 11 10 11 11 11 11 11 11 11 11 11 11 11
container interessed correct Container used container Intact comple ph Acceptable ph Strips: 6:100 (Strips: 100 (Strips	Yes of Yes of New Line Yes of New Ye	10 11 10 10
Correct Container used Correct Container used Container Intact Comple ph Acceptable ph Strips: 611005 cestiual Chlorine Present Cl Strips: 1950 ulfide Present Lead Acetate Strips: 1950 tre soil samples (volatiles, 1911) receive not applicable to TCLP VOA or PST Propre Impreserved 5035A soil frezen within 4 feadspace in VOA (>6mm) reject sampled in USDA Regulated Are exas State Sampled:	Yes of Yes of New Line Yes of New Ye	10 11 NA 11 10 NA 11
container interessed correct Container used container Intact comple ph Acceptable ph Strips: 6:100 (Strips: 100 (Strips	Yes of Yes of New Line Yes of New Ye	10 11 NA 11 10 12/2 10 11 NA 16 06 12/2 10 11 NA 16 06 12/2 10 11 NA 16 06 12/2

and the state of t	Mile House / Buc	See the	-	B Bipassay					X415100 2	2012/02/		2	Secretarion for the second	ならかとかちの	Zane Inttel	Present 254-965-3500	parties Operation	Jourdan Mullin	Actually, TX 78119	Living-Ag cogineering
awe	1/17	DVC	Semple) refured values	ammatti. wind them is till a "PNOJ", pH, SPCON, and SO4 ""Nitrata « 48th hold" Transi Metals » Alg. Ad. As. Sa., Ba., B., Cd. Cr., Cu, Ni, Pb., Sb., Sa., Tl., and Zn. by 200,7 and hy by 245. 1								Tomo: Time	Neat Say	Austr? (La	Patricipal III	a the bug were				
	120	Ecot 110/8	P.	tuis - ag A				Ш	A8.28	AMA	No.			Rush? (Lap MoST Be Northed) Same Day			SHEET			
ä	1500	1047		L As, Bat, 8							order.		(Rad Crist	optified)				4.0		Bryan Mudlin 3404 Airway Blvd. Amarillo, TX 79118
, section	- 5	- 6	, Period,	SPCONL and	H				12/12/E	2/10/18			The first	Quota #	10.1	and Property of				dün Vəy Bivol TX 79118
Arrest Calentanies	decimate (Sgrape	Ministernaturalen	430	Cou, NJ, Phy, SI					B 7:10	01.6857757	2		School Cortes co.				ALCO IN IL	Confirmation of the second sec		
A Service		2		3 × 48/V h		+			ω	z ×		-					-	11.12.1		E 3
		Paul		and Zn b					t	×	1000				Noft		nHD	PEIAd	d H2	-
73 th	07	- A		200.7						×	ALL	Ch	OD 11	-HDI	PE NoF	res				-
72. 22	O. S. 7.7.	presents twite du		Holis He	4	\perp			×		ΛLL	CN	250m	IHDF	eNac	H				
25		Ĭ.	- 1		-11	+	4		×	L	ALL	CR:	(ALL	CRE	500mli	ibpe _t	loPre	H		
01	Butties Bettived	M/JON		Temo Caler	+	-11	-	4	L	×		-		_	nb-Add					
2000	200	HC./ Mauel			-	-1-1	+	-	H	×	2011		-	-	PE-HN					
hod	3	81	1 1	\$ B R	+	-1-1	-		-	×	-				NoPre			**		
- 4	7	71		111	\forall	+		-	+	×	-	_	-		b-1425					
	H III	And the contract of the contra	The second second	Port of the state	+	+	+	+	H	Î	ALL:			-	NoPre		1111			
	of the Second Continue of the	Statement Services Comment Services	AL AND LONG	All Security Sector 200	Ш						Mensell Indiana	Service of the servic	M szi swegan zakosog	Employe: T218389	Table #	297 9517 asos		190 Allen, TX /5013	, Ado	É
NO 1 50	Site/Tame	July la July la	il.	1					100	0	Section Sectio	and and	T-DOS	8389	Rectium: DSENVIGDTX	2636		15013	-гасе мізіупсаі	

7			
Pace Analytical	Document Sample Condition		Document Revised: 7/27/20
/ Pace Analytical	Documer		Page 1 of 1 Issuing Authority:
	F-DAt-C-00	rev.14	Pace Dallas Quality Office
	Sample Condit	ion Upon Red	celpt
□Da	illas @Ft Worth	□Corpus Chr	isti DAustin
E 2 46 5 17			
Chert Name Exico -As Course: Fedexti UFS: USPE Chert of	Project	Work order (plac	ce labely:
Tracking #:	LSO IF PACE D Other:		
Custody Seal on Cooler/Box: Yes () No	C/		1.1562686
Received on Ice: Wet & Blue () No Ice	e 0		1 -
Receiving Lab 1 Thermometer Used: FWIII	Couler Temp	°C: 1.3 (Reco	orded) 0.2 (Correction Factor) (Actorded) (Correction Factor) (Act
mecelang Lib 2 Inermometer Used:	Cooler Temp	°C:(Reco	orded) (Correction Factor) (Ac
Temperature should be above fixed			
Triago Person: AH	end Chlore and	1 ThN	ich evidence of cooling is acceptable
Triage Person:ALH			
Chain of Custody relinquished	to Nation	Л	
Sampler name & signature on C	10 / 544.11		4-10-10-10-10-10-10-10-10-10-10-10-10-10-
Short HT analyses (<72 hrs)	2		
	7×		
ogin Person			
Sufficient Volume received			
Correct Container used			
Container Intact		Yes a No a	
Sample pH Acceptable		Yes o No o	VA ri
pH Strips			
CI Strips:	_	Yes D No D 1	
Sulfide Present Lead Acetate Strips:		Yes to No to 1	u AV
	_		
Are soil samples (volatiles, TPH) rece not applicable to TCLP VDA or PST Pro	ived in S035A Kits gram TPH)	Yes □ No □ I	VA 13
Inpreserved 5035A soil frozen within	1 48 hrs	Ves II No II f	VA II
teadspace in VOA (>fimm)		March Street A	WA (c)
Project sampled in USDA Regulated A	THE RESERVE ASSESSMENT AND ADDRESS OF THE PARTY OF THE PA		NA a
Gx92	we reconstruction	Ca 12 (80) 13	DES-1-4
State Sampled:			

Labeling Person (If different than log-in):

The state of the s	Mary by Just	Security at separate page	Sale of the	Table 10	STATE OF	Figure 8 Election						Schreiber 3	いってもであてる	Sample 10	A Designation	- Total	Appendix to the second	Zana Trotter	more: 254-965-3500	TO SERVICE STATE OF THE PERSON STATE OF THE PE	Jourdan Mullim	Amardia, 72 70110		Enviro-Ad Engineering
5940	1,0		3	- FEB	A Secretarion Sciences	Bereicht, Weithings, G.C., "MOD", jeft särchte, and SOA. "Herbit: « der hield". Tollstanders, A. A., A. & S.A. & S. & Od. Oz. Ca. M. Ph. SH, S., Ti, and Zo by 200.7 ond leg by 241.".						100	Gas	Comp/Grab	dep make;	Total Sales	1000	Signal action (3.8	Cient indect a					
	To have		sept/b	Cases	1	by 241.						MW	WW	Mary."	1	Ш	200	0.0	10	Chichita Shriffing				
1	1 200	1	74:01:2000		1	100 T. pt. 54						3.	9	Depth		2 Grant Brand Grafts 2 Grant Brand Grafts		, in	E		den den part syllen		Sepan Mullin Sept Agreesy filled. American TX 151111	Service Charge
Notice of S		1	Period C	Padage		E OL OL OL					The state of the s	2000	26/2021/11/0	Ĭ		Dept Actual Name of	Chiette #	F.D. #	ab Project 8		The second		T T	-
Post College College	Define then the State of		Normed to Separate			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			П			_		Time D	4					MI CLE	The second of th		·	
A SE		1				200	H		Н	± 1	Ŧ	4	H H	CHL			mJH	DPF4	VoPres	티	11	-	23	r
					l	429			П	11	t	1		-			_	_	50mlHD	PE-N	loPres			
2	E if	ŀ	ä								I		×	FTW	FC	Micro	blolo	glast						
2.02.22	というない		in the first or		1	E	+	+		Ш	1	- 1	-	-		-		H250						Zypenia.
- 100	9				- the	igno	+	+	H	+	,	1	-	-	_	_	_		E HNO3					District
0000	parties parties	7	HOLING!		1		Ц				ļ	İ	* \	Neic	nen	n 500i	mlHi	OPE-N	loPres					N PROCESSION OF THE PROPERTY OF
Found	If preservings required by capit latery sing		And the section of a section	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM	Charles and the raided	COC Seal Properation of the Community of							- 1	September (Special Principle)	3	Predgir: P958061	6003121 mapping	Account DS	Юб и	f 1	1985 X2 2440V 061	, ac		The district
MG / OX	aux faur		 								03	C		Application (CS)		8061 Lidwago	6369	DSENVIGDTX			C150(I)	A BOS AUTOLYTICAL		



Sample Receiving Non-Conformance Form (NCF)

Date: 12/1/11	Evaluated by	II (NCF)
Clienti Pinville Ag	ACIN	Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

Client Pennine Ag		Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here
1. If Chain-of-Custody (COC lab personnel: Note issues on	is not received: contact client and if	idcessary, fill out a COC and indicate that it was filled out b
2 if COC is incomplete, cher	k applicable feeting to the	
Collection detertime missing of incorrect		details where appropriate:
Sample (De on COC do not match, surplies to have	Chinfication needed	Spriples listed on COC do not match samples received (mestry, additional, atc.)
Comments/Details/Other less	Required trip blanks were not receive	red Required signatures are missing
hers after reliquiting	Sergles	ocyable to bade all countaines correctly due seems page after diffy it cut a cayle of
2. Sample integrity issues: cl	neck applicable issues below and as	d details where appropriate:
Damples Past Holding time	Samples. Constition needs to be tire tob payaginet's attention (details by	united as a second seco
Summers from field fidered Summers Insufficient Volume	Containeni Brakari er compromised	The state of the s
Somples Cooler thintaged on	Contaiture Incorrect	Temperature, Samples strived frozen
Samples contain chloring or Samples contain chloring or	Custody Seals Missing or comprom samples flip blanks or copiers	sau on Viata rockwed with improper heads pare
Comments/Details:	Packing Material Insufficient/Improp	
4. If Samples not preceived pr	operty and Sample Receiving adjus	s pH, add details below:
Dampie (D)	Date/finte:	Amountypu gree added.
Nesting a by	lotted and Friel pH	Lot # of pres advert
Sample ID	Date/Time	Ameuntitype pros andeu
Prosurery by	Initial and Final pH	Lot if of pres added
	DatofTime	Amountityoe presingued
Sample ID:		
Sample ID: Preservos by	поря вод Егоагрія	
Penaryos by	would and Front pH	Lot # of pres added:
Penaryos by		Lot # of pres added:

Enviro-Ag Engineering

Sample Delivery Group: Project Number: Samples Received: L1564107

12/06/2022

3404 Airway Bivd Amarillo, TX 79118 Jourdan Mullin

Report To:

Description:











































Oc. Quality Control Summary

Gravimetric Analysis by Method 2540C Microbiology by Method 9222D

ð

ଦ୍ର

Sc

SCHREIBER 4 L1564107-02 SCHREIBER 4 L1564107-01

5,

ď.

ss.









Sr: Sample Results

Ss: Sample Summary

To Table of Contents

Cn: Case Narrative

Cp: Cover Page

TABLE OF CONTENTS













































Metals (ICP) by Method 200.7

Mercury by Method 245.1 Wet Chemistry by Method SM5210B Wet Chemistry by Method SM4500NH3H

Reach rate only in the more feed or cultinate and an expanse as reached view. The set report shill not be reported and the reported as reached view in the set good with a contract report of the contract of the subject of these option days among conducted by the contract of providing the procedure. Set of the subject is a contract of the subject of t

Cassandra Foster Project Managei

Entire Report Reviewed By:

Muandia toster

Wet Chemistry by Method 4500P-E

11 12 13 14 16 16 17 18 19 20 20 21 21 22 23 23 26 26 26 26 26

Wet Chemistry by Method 4500CN-E Wet Chemistry by Method 4500CI G-2011 Wet Chemistry by Method 351.2 Wet Chemistry by Method 3500Cr-B Wet Chemistry by Method 300.0 Wet Chemistry by Method 1664A Wet Chemistry by Method 120.1 Sravimetric Analysis by Method 2540D

Wet Chemistry by Method SM 4500-H+B Wet Chemistry by Method 5310C Wet Chemistry by Method 5220D

Gl: Glossary of Terms

Sc: Sample Chain of Custody Al: Accreditations & Locations

33

ACCOUNT Enviro-Ag Engineering

Enviro-Ag Engineering

12055 Lebanon Rd Mount Juliet. TN 37122-615-758-6858-808-767-5859 www.pacenational.com

PROJECT:

L1554107

DATE/TIME: 01/19/23 to 28

PAGE 10136

Pace Analytical National

01/19/23 to 28 DATE/TIME

PROJECT:

SDG: L1554107

PAGE 2 of 36

0355

SCHREIBER 4 L1564107-01 WW			Zano Traster	Collected date/time - Received date/time - 12/06/22 08 54 - 12/06/22 10 23	Received date 12/06/22 10 23	itertime 23
Method	Hatch	Dilution	Preparation	Anilysis	Analyst	Location
Microbiology by Method 9222D	WG1970787	-	12/06/22 14:58	12/07/22 15:02	CNC	Ft Worth, TX
Calculated Results	WG1971247	_	12/16/22 17:09	12/16/22 17:09	Б	Allen, TX
Calculated Results	WG1974488	_	12/22/22 13:11	12/22/22 13:11	9LI	Allen, TX
Gravimetric Analysis by Method 2540C	WG1970676	_	12/07/22 13:34	12/07/22 14:07	007	Allen, TX
Gravimetric Analysis by Method 2540D	WG1972273		12/10/22 05 38	12/10/22 07:32	001	Allen, TX
Wet Chemistry by Method 120 1	WG1970709	-	12/07/22 14:19	12/07/22 14:15	001	Allen_TX
Wel Chemistry by Method 1664A	WG1976033	_	12/17/22 09 34	12/19/22 12:00	긎	Allen, TX
Wel Chemistry by Method 300 0	WG1970015	_	12/07/22 16:42	12/07/22 16:42	EIG	Allen, TX
Wet Chemistry by Method 300 C	WG1970015	_	12/07/22 17:00	12/07/22 17:00	EIG	Allen, TX
Wet Chemistry by Method 300 0	WG1970015	_	12/08/22 09:17	12/08/22 09:17	EIG	Allen, TX
Wel Chemistry by Method 351.2	WG1974348	_	12/16/22 10 32	12/16/22 17:09	LDT	Mt Juliet, TN
Wet Chemistry by Method 4500Cl G-2011	WG1971914	_	12/09/22 15 17	12/09/22 15 17	RLS	Mi_Juliet, TN
Wel Chemistry by Method 4500P-E	WG1973142	10	12/14/22 17:17	12/14/22 17:17	KOM	Allen, TX
Wet Chemistry by Method 5220D	WG1975652	_	12/16/22 11:39	12/16/22 15 24	SMC	Allen, TX
Wet Chemistry by Method 5310C	WG1972936	5	12/14/22 16 13	12/14/22 16:13	EIG	Allen TX
Wet Chemistry by Method SM 4500-H+B	WG1975963		12/16/22 19:18	12/16/22 19 18	1JG	Allen, TX
Wet Chemistry by Method SM4S00NH3H	WG1971247	ហ	12/08/22 14:12	12/08/22 14 12	EIG	Allen, TX
Wel Chemistry by Method SM52108	WG1970702	_	12/07/22 15 51	12/12/22 10 14	DLI	Allen, TX
Wet Chemistry by Method SM5210B	WG1970708	_	12/07/22 17:29	12/12/22 11:51	1JG	Allen_TX
Metals (ICP) by Method 200 7	WG1974488	_	12/19/22 12 54	12/19/22 14:58	ĘŞ	Allen_TX
Metals (ICP) by Method 200 7	WG1974483	100	12/19/22 12:54	12/22/22 13 11	JJ6	Allen, TX

Metals (ICP) by Method 200.7 Metals (ICP) by Method 200.7

Metals (ICP) by Method 200.7

Mercury by Method 245 1 Metals (ICP) by Method 200 7 Wet Chemistry by Method 3500Cr-8 Wet Chemistry by Method 4500CN-E

WG1974881 WG1971115 WG1974201 WG1974488 WG1974483 WG1974483 WG1974488

12/03/22 09:48 12/14/22 10 45 12/19/22 12:54 12/19/22 12:54 12/19/22 12:54 0/07/23 11:35

12/14/22 14 27 12/19/22 15 04 12/20/22 13:38 12/22/22 13:27 01/09/23 12:03

Calculated Results

SCHREIBER 4 L1564107-02 WW

Batch

Dilution

Analyst

WG1974488

date/bme 12/19/22 15:04 12/15/22 11 00

date/time 12/19/22 15:04 12/15/22 11:00

12/08/22 15:19

TIG ELS ELS ELS ELS ELS

Allen, TX

Metals (ICP) by Method 200 7 Metals (ICP) by Method 200 7

WG1977205 WG1977205

20

12/20/22 11:19

12/21/22 14:14 12/27/22 18/02

ES ES

Allen, TX Allen, TX

Cassandra Foster Project Manager

Mandia Foster

ACCOUNT Enviro-Ag Engineering

Britishing Brightening ACCOUNT

PROJECT

50G L1564107

DATE/TIME: 01/19/23 to 28

PAGE 3 of 36

PROJECT

SDG L1564107

01/19/23 10 28 DATE/TIME:

PAGE:

≥











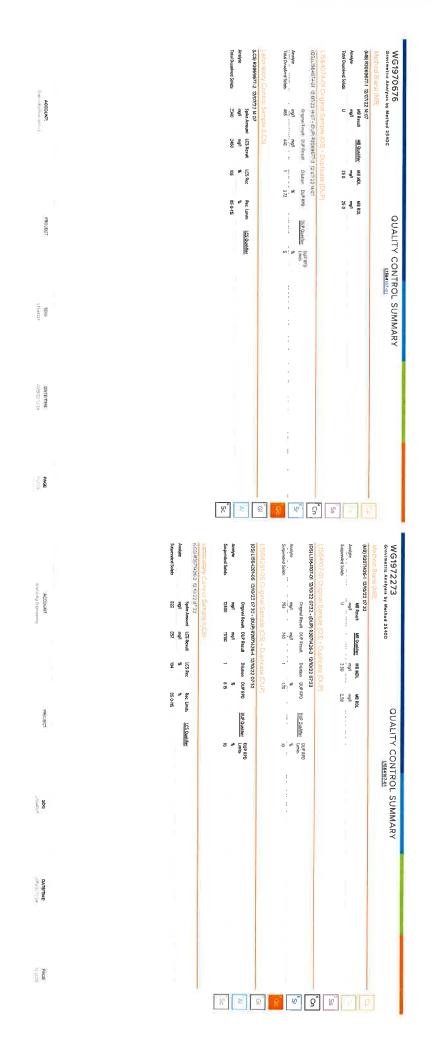
All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (D.D) and RDL (D.D) and RDL interest reported for environmental samples have been corrected for the didultion factor used in the analysis. All Method and Bath Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

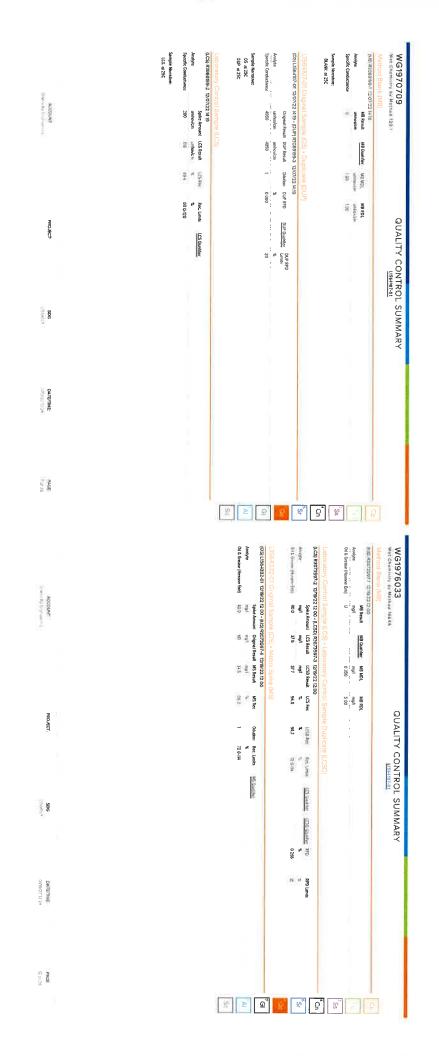


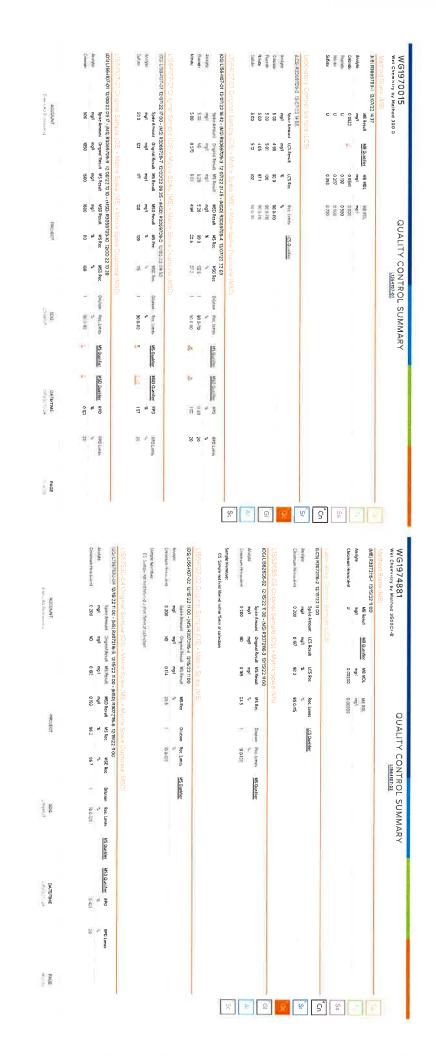


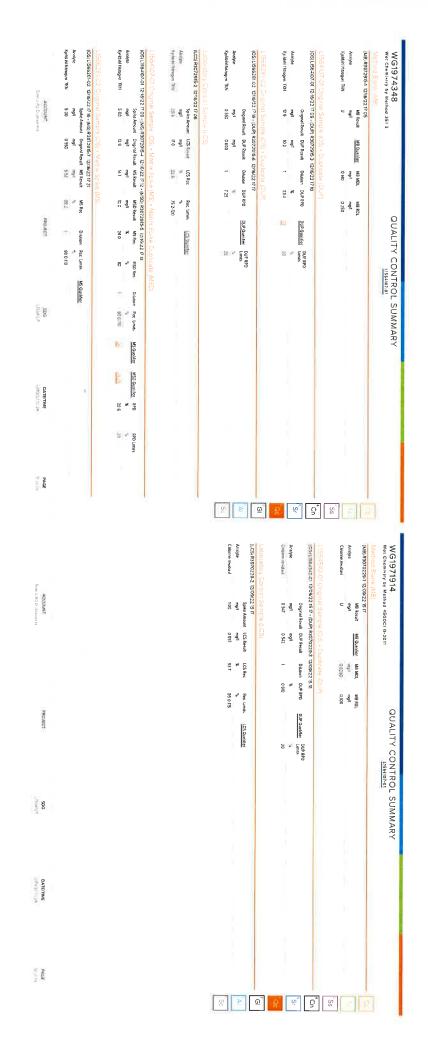
ACCOUNT	/r/wdb/id	Result	Wet Chemistry by Method 4500Cl G-2011	Nitrogen_TKN	Analyte mg/i	Result	Wet Chemistry by Method 351.2		Nitrale 0.578	10		Analyte mg/l	Result	Wet Chemistry by Method 300.0	On a Syrapse (Fribative Dati)		Pésuit	Wet Chemistry by Method 1664A		Sample Narrative:		Conductance	Analyte umhos/cm	wet criemistry by Method 120 1		ed Solids	Analyte mg/l	Gravimetric Analysis by Method 2540D		Fetal Desolved Solds 3000	Analyte Result	Gravimetric Analysis by Method 2540C		Sodium Adversion subn 216	Result	Calculated Results		Count Mittorial 785		Calculated Results	Callorm Fredir		Result	Microbiology by Method 9222D	SCHREIBER 4 Collected date/time: 12/06/22 08 54
	18	Qualifier ROL	3-2011	13 15 16 O		Qualifier R			n b		0	3	Ш		U	١ =	Gustifier ROL						Qualifier R			16	Gualiner K			7	Qualifier R	40C			Qualifier R			5 =	Qualifier R				Qualifier 0		(A)
PROJECT	2000			0 250 1		RDL		200	0.700	0 500	0 300 1		RDI		000	mg/l						8	RDL D			167	mg/l			71.5	RDL				RDL			0.250 mg/r					Dilution Analysis		AMPLE
	12/09/2022 15:17	Dilutum Analysis				Dilution Analysis		12/07/2022	13/07/2022 15:42	12/07/2022 16 42	12/08/2022 09 17	date / ume			12/19/2022 12/00	date / bme	Dilucion Analysis						Dilution Analysis			12/10/2022 07 32	date / time			12/07/2022 14:07	Dilution Analysis			12/22/2022 13:11	Dilution Analysis			17/16/7077 17:09	Dilution Analysis		12/07/2022 15:02				SAMPLE RESULTS - 01
5DG	37 WG1971914	Balch		09 WG1974348	0000	Batch		00	يدارا لا	42 WG1970015	T<	la la	Batch		MQ18/8133		Batch					19 WG1970709	Batch			732 WG1972273	Balch			1:07 WG1970676	Batch		100000000000000000000000000000000000000		Batch		July 1 Philosophy		Balch		WG1970787		Batch		- 01
DATE/TIME:	1914			4348				1000	0015	0015	0015				6133							70709				7273			ļ	70676	35			74489	95		11211	712/7	.5						
PAGE																													50		AI	Q	2		2	Sr		S		SS.		7.			
ACSOUNT											Sodium, Dissolved	Mägnesium,Dissolved Sodium	Magnesium	Calcium, Dissolved	Calcium	Analyte	Metals (ICP) by Method 2007	Most Con St. Most	CBOD	BOC	Analysis	Wet Chemistry by M		andd my mudway	Amalyte	wet chemistry by wiedrod swi4300Nm3m	Wort Obodists by N	L1564107-01 WG1975963: 8 4 at 15 8C	Cample Narrature	PH	Analyte	Wet Chemistry by Method SM 4500-H+B		TOO (Fotal Organic Carpon)	Analyte	Wet Chemistry by Method 5310C		COD	Analyte	Wet Chemistry by Method 5220D		Phospitotus, Total		Wet Chemistry by Method 4500P-E	SCHREIBER 4 Collected date/lime 12/06/22 00 54
NT											1020	38.3 971	39 7	61.9	0.88	mg/l	100 200-7	7007	65.1	25.6	Resut	ethod SM5210B		5 0 5	mg/l	Positi	2+b24 5744500	at 15 8C		2 40	Result	ethod SM 450		T.	Result	lethod 5310C		73	Resun	lethod 5220D	;	12.0	Result	lethod 4500P-	6/22 08 54
											<u> </u> <	= -		_		- R				J-K9 3	Qualifier R			0	Guallitei					100	Qualifier				Qualifier	1			Gualiner				Qualifier	m	(0
PROJECT											20 0 20	100 100	100	1.00	1.00	mg/l			30.0	3 000	ROL Disappa			0 500 5	mg/l						Dilution Analysis date / time			3 50	RDL Dilution			350	KDL Deuban			0.500 10	RDL Dilution		SAMPLE R
SDG											12/27/2022 18:02	12/27/2022 14 14	12/19/2022 14 58	12/21/2022 14:14	12/19/2022 14 58	date / time			12/12/2022 11 51	12/12/2022 10:14				12/08/2022 14 12	date / time	Anakara				18 WG1975963	Batch			12/14/2022 16 13	p Analysis date / (ume			12/16/2022 15:24	n Analysis			12/14/2022 17 17			SAMPLE RESULTS - 01
											WG197720S	WG1977448B	WG19744B8	WG1977205	WG1974488	Balch			WG1970708	WG1970702	Batch			WG1971247	Batch	Borrie								WG1972936	Batch			WG1975652	Batch		100000	WE1972147	Batch		
DATE/TIME:																																													
PAGE																												_	Sc		D	<u>G</u>		000	0 1	Sr		3,		Ss			-CF	1	

At Enviro-		Selerium Silver Thallium Zinc	Avenic Banum Beryllium Boron Cadmium Chomium Copper Lusti	Metals (ICP) by Method 200,7 Metals (ICP) by Method 200,7 Result Analyte mg/l Analmony ND	Sample Narrative: L156107.02 Wdi574881 Sample not in Wet Chemistry by Method Analyte Oximidin Mercury by Method 245.1	SCHREIBER 4 collected date/time: 12/06/22 08:54 Colculated Results Rest Analyte Chromum,Tirvalint Wet Chemistry by Method 31 Analyte Analyte Analyte ND
ACCOUNT Enviro-Ag Engineering		ND ND ND 0.154	ND 0.0835 NO NO NO NO NO NO O.0715		ald filtered with 4500CN Pesult 1000	500Cr-
PROJECT		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 200 0 0100 0 00100 0 00100 0 100 0 00500 0 00500 0 00700 0 0200 0 0100	Oualifier RDL DII 0.500 1 0.0250 1	inn of collection Bolton Gorço	ualifier
SDG L1564107		12/22/2022 15:27 20/09/2023 12 03 12/19/2022 15:04 12/19/2022 15:04	12/9/2022 15.04 1/2/9/2022 15.04 1/2/9/2022 15.04 1/2/9/2022 15.04 1/2/9/2022 15.04 1/2/9/2022 15.04 1/2/9/2022 15.04 1/2/9/2022 15.04 1/2/9/2022 15.04	Dilution Analysis 0.012/10/22/10/22/10/22/10/20/22/15/04 12/19/20/22/15/04	ulton	SAMPLE RESULTS - 02 11554107 PDL Dilution Analysis Imph 0.00300 1 12/99/2022/15.04 PBDL Dilution Analysis Imph 0.00300 1 12/95/2022/15.04
DATE/TIME: 0V/9/23 to 28		WG974488 WG974488 WG974488	WC1974488 WC1974488 WC1974488 WC1974488 WC1974488 WC1974488	<u>Batch</u> WG1974488	834ch WG197115 934ch	Batch WG1974488 Batch WG1974881
PAGE 7 of 36						
	Accession from Act (Lawrence Control Act (La			115.64107 c) Original S (G)(1156-197-01 120 122 164 (G)(1156-197-01 120 122 164 (G)(1156-197-01 120 122 164 (G)(1156-197-01 120 120 120 120 120 120 120 120 120 1	WG1970787 Microsology by Mehad 9220 Malthod Bank MS Malthod Bank MS Malthod Bank MS Called Bank MS Calle	CY SS C
	N.E.			LISOAND/GL Original Samole (QS) - Dubikolić (QUP) (poglušeutoral tubi 22 18 02 - Dubikolić (QUP) (poglušeutoral tubi 22 18 02 - Dubikolić (QUP) (poglušeutoral tubi 28 18 02 02 02 02 02 02 02 02 02 02 02 02 02	215 (2) 10 (2	
	990 acr			OUP Outsides: Outs 990 Unit of the Control of the C	QUALITY CONTROL SUMMARY	
	ino.				SUMMARY	
	Section 2015					
	PASE			X P @	\$ S S S	0358



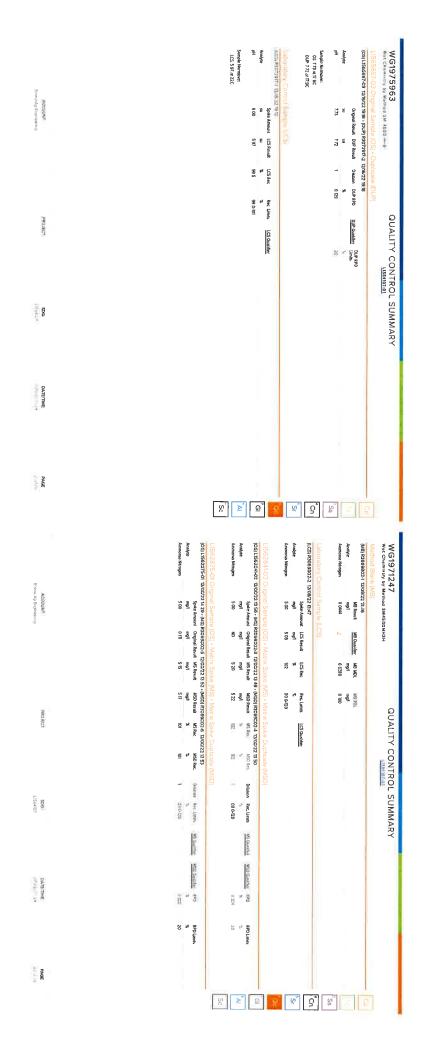


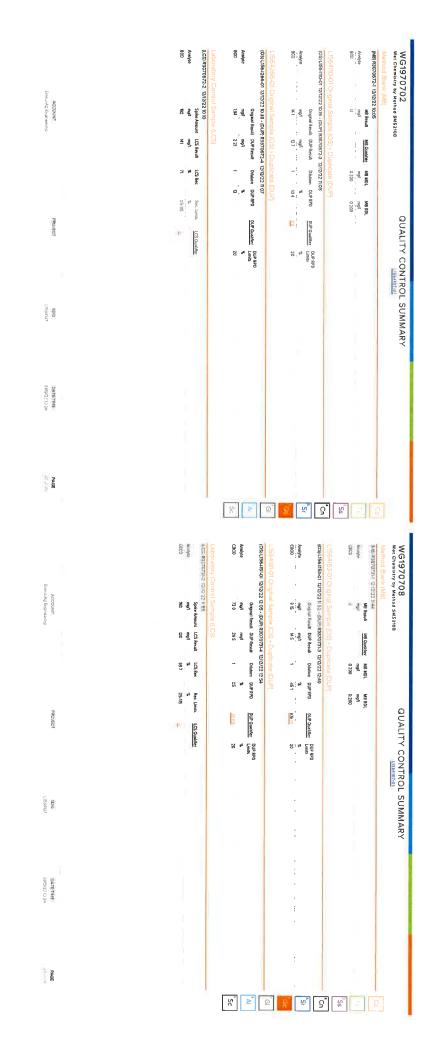


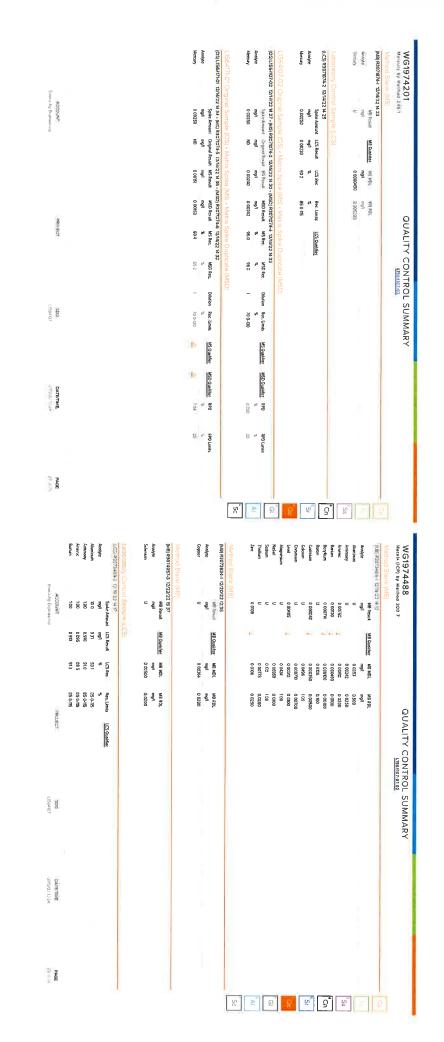


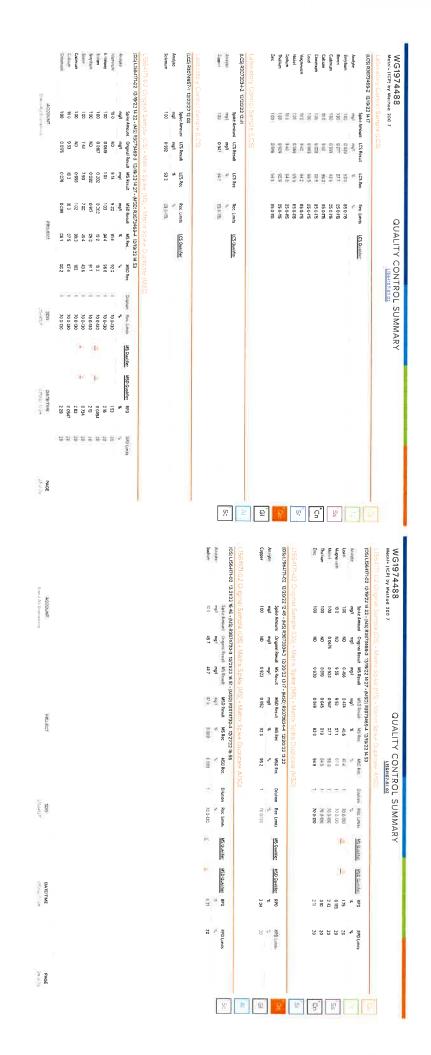


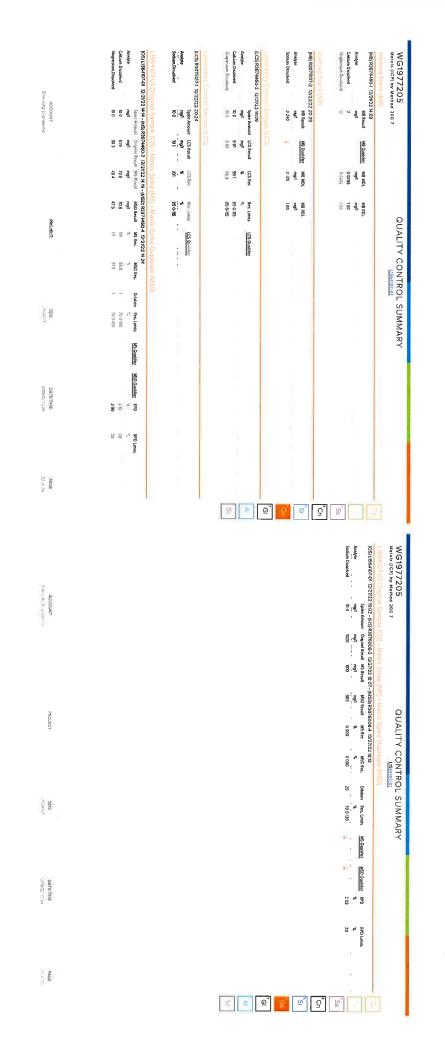












Sher	Annida	[1565460-01 0	Silver	Analyse	(LCS) R3079231-6 01/05/23 16 04	Analyze Saker	(MB) R3879231-5 CV09/23 15 59	WG1984828 Metals (ICP) by Method 200 7
0.500	Spike Amount		0.00	Spike Amount LCS Result mg/l mg/l	01/09/23 16 D4	Analytic mg/l Swer U Laboratory Control Sample (LCS)	0.09/23 15 59	28 Method 200 7
S d	Spike Amount Original Result MS Result	: (○S) • Ma	D 475	mg/l		CS)	Na Complete	
0.457	II. MS Result	.trx Spike	95 a	₽ LCS Roc		mgi ⁷	NE NO	
0.401	MSD Result	(MS) - Mat	35 0-115	Rec Limits		mg/l 0 00500	5	۵
974	MS Rec	'и Spike D		LCS Guslifier				QUALITY CONTROL SUMMARY
.B. 3	MSD Rec	uplicate (N		15				CONTROI
5	Dilution	ISD)						ROL S
10.5-100	Dilution Rec Limits							MMMA
	MS Qualifier							.R ≺
	MSD Qualifier RPD							
ÿ ×	9PD							
11 /	RPD Limits							
M ≥		<u>o</u>		Sr.	S] [g]	P	

GLOSSARY OF TERMS

0370

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory intended as a comprehensive explanation, and if you have additional questions please contact your project representative This is not

Realts Dischliner - Information that may be provided by the customer, and contained within this report under Permit Limits, Project Name, Samplie ID. Samplie Matits. Samplie pseveration, Field Blanks, Field Spikes, Field Doubratess, On-Site Data, Sampling Collection Dates/Times, and Simpling Localion Results retains to the necurity of this information provided, and as the sampless are received.

Abbreviation	Abbreviations and Definitions
MDL	Method Detection Limit
NB	Not detected at the Reporting Limit (or MDL where applicable)
RDL	Reported Detection Limit
Rec	Recovery
RPD	Relative Percent Difference

Analyte The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported Not detected at the Reporting Limit (or MDL where applicable) Sample Delivery Group

> či, 3

SS

SDG

These are the larget % recovery ranges or % ofference value that the laboratory has historically determined as normal for the method and analyse being reported Successful OC Simple analysis will larget all analytes recovered or duplicated within these ranges. If the sample matrix contains an interfering maleral, the sample preparation volume or weight values differ from the standard, or if concentrations of analyses in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be fulled for analysis if a value different than 1 is used in this field, the result reported has already been corrected for this factor

≥

Dilution

Limits

Original Sample The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.

The actual analytical final result corrected for any sample specific characteristics, reported for your sample. If there was not measurable result returned for a specific ranking, the result is fit to cultum may state "Not "Not Deschool" or "BDL." (Below Detectable Levies). That information in the results column astocid aways be accompanied by either an MDL whethod Desection Limit, or RDL (Reporting Desection Limit) had defines the lowest value that the laboratory could desect or report for this analyte. This column provides a letter and/or number designation that corresponds to additional information concerning the result reported if a Qualifier to gresson, a definition per Qualifier is provided within the Glossany and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Namalwell applicable.

Confidence level of 2 sigma

Uncertainty (Radiochemistry)

Result

Qualifier

Quality Control Summary (Qc) Case Narrative (Cn) This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to asset in evoluting the violidity of the results appropried for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. A brief discussion about the included sample results including of discussion of any pon-conformances to protocol observed either at sample reseight by the baconion from the fixed or during the analytical process. I present there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report

Sample Chain of Custody (Sc) This section of your report will provide the results of all leasing performed on your simples. These results are provided by sample ID and are separated by the analysis performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the namelysis reported. This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the abonatory is requested to perform. This chain of custody also documents all persons (excluding commercial strippers) that have had control or possession of the name of collection until delivery to the laboratory for analysis.

Sample Summary (Ss) This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. Sample Results (Sr)

Qualifier	Description
(1)	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL)
_	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated botch QC was outside the established quality control range for precision
72	The sample matrix interfered with the ability to make any accurate determination; spike value is high
9	The sample matrix interfered with the ability to make any accurate determination; spike value is low
٠	The associated batch QC was outside the lower control limits, associated data has a potential negative bias
K9	Test replicates show more than 30% difference between high and low values
2	RPD value not applicable for sample concentrations less than 5 times the reporting limit
T8	Sample(s) received past/too close to holding time expiration
<	The sample concentration is too high to evaluate accurate spike recoveries

Bwed-åg Engine-ring ACCOUNT

PROJECT

50G

01/19/23 10 28 DATE/TIME:

PAGE: 32 of 36

MYSSON LAND

1403607

100

Beg. 5270

E MAG

ACCREDITATIONS & LOCATIONS

82

Enviro-Ag Engineering	3404 Almay Blvd. Amarillo, TX 79118	Jourdan Mullin	Royal Deputation	Prove 254-965-3500	ZANG TROPES	Common A Court	Total O N		Cohresper 4		AND AN AF F Filter AN Unaudater B Blossoy AND Unaudater	OT - Ditter	STATE OF STA	Car Caga Man	MANA ODER
				Chemi Project a	*Checkfret	And States	Two Con	Comp/Grab	500		Transi Meschem + Ct. F. "MX3", pt. SPCON, and SO4 "Mibrain = 48th hold" Transi Mesaks + Ag. Al. As. Ba. Ba. B. Ct. Cr. Ct. Ni, Ph. Sh. Se. Tl. and Zn by 28k7 and kg by 24k3.)	Service Servic			DEA
			Calchine	2	9	Rands (Lab MLST Be Notified) See Day Rev Cay	P.O.	Manu.	WW		Cham - Cl. F Metals - A Hg by 245.1	Factor Courter	12/6/2022 10:23	विका	12/1/2
Bigan Mullin 3404 Ahrasy Blvd. Amarillo, TX 79118	(Faul To code					Notified)	S Day (Rad Only) 20 Day (Rad Only)	Octobra			AL AS, Ba		23	J SIMO	12/1/27 250
agrion: Bh Bhrd. TX 79118		Total Section 1		ab Project #	*0 *	Cuora s	2000	Date	2/2/2		H, SPCOM, 4	4	. #		77.00
		A CONTRACTOR	PERMITTE				Date Shirty Sewaged	i	15 8 COC 1/C		nd SO4 "NE Dr, Cut, NE, FI	s Report	Cur Comme	SAMA	The man
3 1		1	C S				11.8	D S	14		Sb. S		E III	A	De al for
2	E-Add H2	DPE-	miHi	00 500	NH345	COD,	PHOS,	ALL	×		12.00		100	ASK.	2
			lo	res	E NoPr	-HDP	30D 1L	ALLE	×		27. 67		1100	X	7
2					PE No	-11	-	1	>	800			7	/ en	10/
oskon, Gondije: Amerik			N-0	-	PE-Nat	-	_	-	L		g 4		MAY TON DAY THE THROUGH BUILD BUI	10. A	white
1		162	-NUP	-	500ml	-	-	-	>				i	d	
		I.R	M	AND DESCRIPTION OF THE PARTY OF	DPE-H		100000	12000	>		Temp		M/Di DATINA	On the	000
f			Т	es	E NoPr	-HDP	TDS 1L	ALL.	>				1	Į.	
100	3119	i e	U.S	SO4	mb-H2	OmlA	TOC 25	ALI,	>		FERR	No.	8	î	ğ
				res	E-NoPr	-HDP	TSS 1L	ALL'	,		15.57	A THE PARTY AND ADDRESS OF THE PARTY AND ADDRE	100	- Samon	
Pace Analytical	190 Allen, TX 75013	Commence of the continuous	-	100 C156 4107	DSENVIGOTX	Preton P958059	24 State State State	Steer end in referen	-01		Section and the section of the secti		No firms of 1 diffe.	g preservance radiumed by Logar, Land Hine	Godunt

ACCOUNT Enviro-Ag Engineering

PROJECT

SDG L1564107

DATE/TIME: 01/19/23 to 28

> PAGE 33 cf 16

AND TAKE	Car Carellan	some some	Individual At pagestrati	DT Other	*Andrew The Soil and Anne II flight The Circunctionator B Broadshy WWW alternative		schreiber 4	schreiber 4	Sample ID	and an abridge of	And to the second	Comment of the Party of the Par	Zone Trotter	***** 254-965-3500	Head Cerrythes	Jourdan Mulim	3404 Almay Blvd. Amariba, TX 79118	Enviro-Ag Engineering
10		dres	- Salec	alreg type 24	Numerical Marichiem of Cl. F., "MCD2", pN, SPCON, and SOA: "Mittage: 4 file holds" rould Marich: » Ag. Al. Ah. Ba. Be. B. Cd. Cr. Cu. W., Pn. So. So. Ti, and 7n by 200.7 and by 5y 243."		Grab		Complicate Autors			Rugh? (Lab M)	# Ol Astronogletis	Client Project #	Colucted			
12/25 2000	12/12/ 0	1) ET-25/1/76/	- Time	Service Control	S- Ag Al As B		WW	MAM	State	-1	5 Day (Rad Grily) 10 Day (Rad Grily)	Rugh? (Lab MUST Be Nouffed)			100	Emplific o	ATRIBUTA	Bryan Mulitin 3404 Alivary Shrd.
(B) (36	0700 B	22.01		Tracking	A. SA. B. Cd. Cr.		ECR.PIR	15:3 BOX77/E	ate		Date Bestity feedback	Charte #	0.0.9	Les Project a		Link (i) Commenced completes	2000	Bln By Blvd,
20	[VP.F.	lear lear	HAMPING ALPHANA		O4 "Nimer + 4		8.24.3	8:54 14	duni		e de				PT MT CT 6T	A STATE OF THE PARTY OF THE PAR		Child Suid
· Osal Gray	多	1			Ti, and Z			×						NoPres		NoPre	ıs	
N.	1				1,00 E Asp			×	No. of	901	© Micr		-	_	Ī		. 1	
ahbı	10.2		market fire		7			×	-	SKIII	50mlH	-	-	_				
1010	1		THE PART OF THE PA		Temp	100	*	×	200	veti	_	-	-	PE HNO	-			
0860			NO. NO.		₹ € 			l	Ī		0		λm		4			
	*OCC	auth fareg suffers for permiss someone is	TATAL S. P. SPACES STA	With large Supplements	District Project Conditions On April Present Patrict — Mr Oct Spinster Conditions Service Arrive Service Connect Society Service				1	Thisper Wit FadEX Prisorry	A Co. Aspendia	P958059	MAKEST THE STANDS	Table # C/364/07		The control of the	190 Allen 172	E
XO / DX	Constitution	In: Dure/Tume	U				080	10-	Section Committee	Edit Priordy	Ì	6505	DSENVIGOTX	2012	Proposed unitalities and the		TOST XI CODE NO	Tage Analytical

Face Analytical*	Document Name: Sample Condition Upon Receipt	Document Revised: 7/27/20 Page 1 of 1					
	F DAL C 001 rev 14	Issuing Authority:					
S	ample Condition Upon Rece	Pace Dallas Quality Office					
□ Dallas	@Ft Worth □Corpus Chris						
Client Name							
Receiving Lab 2 Thermometer Used: 1819	Course Tellip C: (Record	ded) 0.2 (Currection Factor) 10.0 (Acted) 40.5 (Currection Factor) 3. (Act					
Temperature should be above freezing to 6°C to	intess collected sinne day as receipt in v	rhich evidence of cooling is acceptable					
Chain of Custody relinquished	Yes // No a						
Sampler name & signature on COC							
		Yes of No o					
Short HT analyses (K72 hrs)	Yes or No o						
ogin Porson: Dute:	Yes or No o						
ogin Parson: Dute:	Yes or No o						
ogla Porson: Date: bufficient Volume received correct Container used	Yes of No a						
ogin Porson: Dute: Dufficient Volume received Correct Container used: Container Intact Sample pH Accoptable	Yes of No D Yes of No D Yes of No D	Ac					
ogin Porson:	Yes of No D No.						
ogin Porson: Date:	Yes of No D Yes of No D Yes of No D	A G					
ogin Porson:	Yes & No D No S0856 Kills	A G					
ogin Person: Date: Da	Yes & No D Yes D No D No M Yes D No D No M Yes D No D No D	A c					
ogin Porson:	Yes & No D No d N Yes D No d N Yes D No d N Yes D No d N Yes D No d N	A co					
ogin Porson: Date: Sufficient Volume received Correct Container used: Container Intact ample gif Acceptable ph Strips: [elles*] Residual Chlorine Present Ulfice Present Ulfice Present	Yes & No a No & No Yes a No No Yes a No & No Yes a No No Yes a No No Yes a No No No Yes a No	A co					

ATTACHMENT 9 – ENGINEERING REPORT

9.1 Purpose

This report is prepared as part of the application for Schreiber Foods, Inc. for a Texas Land Application Permit (TLAP) through the Texas Commission on Environmental Quality (TCEQ). Water balance models have been developed to illustrate the function of the impoundment system and the hydraulic and nutrient demands of the planned crops.

9.2 Background

Schreiber Foods, Inc. is applying for a major amendment to its TCEQ Industrial Water Quality TLAP Permit No. WQ0003074000 to increase the application acres, permitted average daily flow and amend the organic and nitrogen loading rates. The effluent from the plant site will be treated/stored in four existing earthen impoundments at the site prior to land application. The entire process will generate an average of 192,000 gallons per day (GPD) of effluent for land application to sixty-one acres of improved grasses.

9.3 Impoundment Facility

The effluent treatment/storage and irrigation system at the facility consists of four impoundments. The Impoundments will contain the process-generated effluent from the plant area.

9.4 Water Balance Calculations

Figure 9.1, Water Balance Calculations, is designed to evaluate the maximum application rate (hydraulic loading rate) for the land application area, estimates the inflows and withdrawals from the direct rainfall, process-generated wastewater, evaporation, and irrigation withdrawal based on crop demand.

9.5 Storage Calculations

Figure 9.2, Storage Calculations, is designed to evaluate the storage capacity and surface area of the storage ponds. The ponds must have enough surface area to evaporate all the flow to the pond under low-net evaporation and corresponding annual rainfall conditions.

Figure 9.1 WATER BALANCE CALCULATIONS

Permittee: Schreiber Foods, Inc. TWDB Data Quadrangle: WQ0003074000 509

The water balance calculations are designed to evaluate the maximum application rate (hydraulic loading rate) for the land area where irrigation is to occur. The applicant's proposed application rate must not must not exceed the maximum calculated application rate or the maximum application rate based on agronomic analysis.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9a)	(9b)	(10)	(11)
Month	Avg	Avg	Avg	Evapo-	Required	Total	Effluent	Raw	Reservoir	Effluent	Reservoir
	Rain	Runoff	Infilt	trans.	Leach	Water	Needed	Net	Net Evap.	Needed	Consumtion
			Rainfall			Needs	in	Evap.	(as inches	Based on	(as inches
							Root	from	on plot	Irrigation	on plot
							Zone	Reservoir	acres)	Efficiency	acres)
Units →	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches
January	1.60	0.13	1.47	0.99	0.00	0.99	0.00	0.93	0.09	0.00	0.09
February	2.11	0.31	1.80	1.35	0.00	1.35	0.00	0.54	0.05	0.00	0.05
March	2.81	0.66	2.16	3.33	0.17	3.50	1.34	1.27	0.13	1.57	1.70
April	2.76	0.62	2.13	4.05	0.27	4.32	2.19	2.33	0.24	2.57	2.81
May	4.15	1.50	2.65	7.20	0.64	7.84	5.19	1.09	0.11	6.10	6.22
June	3.64	1.15	2.49	8.10	0.79	8.89	6.41	3.32	0.34	7.54	7.87
July	1.94	0.24	1.69	8.37	0.94	9.31	7.62	6.00	0.61	8.96	9.57
August	2.22	0.36	1.86	5.31	0.49	5.80	3.93	5.41	0.55	4.63	5.18
September	2.81	0.65	2.15	6.03	0.55	6.58	4.42	3.03	0.31	5.20	5.51
October	3.16	0.85	2.31	4.68	0.33	5.01	2.71	1.69	0.17	3.19	3.36
November	1.89	0.22	1.67	1.89	0.03	1.92	0.25	1.40	0.14	0.30	0.44
December	1,46	0.09	1.37	0.81	0.00	0.81	0.00	0.97	0.10	0.00	0.10
Totals	30.54	6.78	23.76	52.11	4.21	56.32	34.05	27.99	2.84	40.06	42.90

Crop is	Grasses	
CN	71.00	dimensionless
Ce	1.05	mmhos/cm
Cl	8.50	mmhos/cm
Pond area	6.18	acres
Irrigation		
area	61.00	acres
Irrigation Efficiency, K	0.85	dimensionless
3,	2.0000000000000000000000000000000000000	
Design Flow	0.192	MGD

- (2) Average rainfall Data source: Texas Water Development Board (see Quadrangle above)
- (3) Average runoff = $[(average\ rainfall\ -\ (0.2*((1000/CN)\ -\ 10)))]^2/((average\ rainfall\ +\ (0.8*((1000/CN)\ -\ 10))))]$
- (4) Average infiltrated rainfall = (average rainfall average runoff)
- (5) Evapotranspiration Data Source: Borelli, Bulletin 6019
- (6) Required leaching =
 - If: evapotranspiration average infiltrated rainfall ≤ 0 , then 0;
 - If: evapotranspiration average in filtrated rainfall > 0, Ce/(Cl-Ce)*(evapotranspiration avg in filtrated rainfall)
- (7) Total water needs = evapotranspiration + required leaching
- (8) Effluent needed in root zone = total water needs average infiltrated rainfall
- (9a) Net evaporation Data source: Texas Water Development Board (see Quadrangle above)
- (9b) Raw net evaporation from reservoir surface = $(net\ evaporation\ from\ reservoir\)*((pond\ area\)/(irrigation\ area\))$
- (10) Effluent needed based on irrigation efficiency = (effluent needed in root zone)/(irrigation efficiency)
- (11) Consumption from reservoir = net evaporation from reservoir surface + effluent needed based on irrigation efficiency

Figure 9.2 STORAGE CALCULATIONS

Permittee: Schreiber Foods, Inc.
WQ0003074000

The storage calculations are designed to evaluate the storage capacity and surface area of the applicant's storage pond (or multiple ponds). The pond must have enough surface area to evaporate all the flow to the pond under low-net evaporation and corresponding annual rainfall conditions. The pond is considered adequately sized when the adidtional storage required is equal to zero (or "none"). If the additional storage required is greater than zero, then:

(1) the pond's storage capacity must be increase, (2) the pond's surface area must be increased, (3) the effluent flow must be reduced, or (4) other approved measures must be taken to ensure that no accumulation occurs during low-net evaporation and corresponding annual rainfall conditions.

(12)	(13)	(14a)	(14b)	(15)	(16)	(17)	(18a)	(18b)	(19)	(20)
Month	Effluent	Average	Rain	Field	Infiltrated	Avail	Average	Low Net	Effluent	Accum
	Available	Rainfall	Worst	Runoff	Rain	Water	Net	Evap.	to Storage	Storage
	(as inches	Distrib.	Year	Worst			Evap.	from	(as inches	(as inches
	on plot	(%)		Year			Distrib.	Reservoir	on plot	on plot
	acres)						(%)	Surface	acres)	acres)
Units →	inches	inches	inches	inches	inches	inches	inches	inches	inches	inches
January	3.53	5.23%	2.39	0.44	1.95	5.48	3.31%	0.01	3.52	11.48
February	3.53	6.91%	3.16	0.85	2.31	5.83	1.92%	0.00	3.52	15.00
March	3.53	9.21%	4.22	1.54	2.67	6.20	4.55%	0.01	2.55	17.55
April	3.53	9.02%	4.13	1.48	2.65	6.17	8.32%	0.02	1.54	19.08
May	3.53	13.59%	6.22	3.08	3.14	6.67	3.91%	0.01	-2.01	0
June	3.53	11.92%	5.45	2.47	2.99	6.51	11.86%	0.03	-3.45	0
July	3.53	6.34%	2.90	0.70	2.20	5.72	21.45%	0.05	-4.89	0
August	3.53	7.27%	3.33	0.96	2.37	5.90	19.34%	0.04	-0.55	0
September	3.53	9.19%	4.21	1.54	2.67	6.19	10.84%	0.02	-1.10	0
October	3.53	10.35%	4.74	1.92	2.82	6.34	6.04%	0.01	0.93	0.93
November	3.53	6.20%	2.84	0.67	2.17	5.69	5.00%	0.01	3.51	4.44
December	3.53	4.78%	2.19	0.34	1.84	5.37	3.47%	0.01	3.52	7.96
Totals	42.31	100%	45.77	15.99	29.78	72.09	100%	0.23	-	19.08

Worst (low) net evap. =	2.27 inches	Storage required =	97.01 <i>ac-ft</i>
Corresponding rain =	45.77 inches	Actual storage =	70.55 ac-ft
Worst-case net year =	2007	Additional storage required =	26.46 ac-ft
		Storage days =	165 days

- (13) Effluent available for irrigation (assumes design flow is applied to entire acerage unless different flow values are justified).
- (14a) Average rainfall distribution Data source: Texas Water Development Board (see Quadrangle in Water Balance Calculations above)
- (14b) Rainfall worst year = $(rainfall\ distribution\ as\ fraction\ or\ \%/100)*maximum\ annual\ rainfall$
- (15) Field runoff worst year = $[(rainfall\ worst\ year (0.2*((1000/CN) 10)))]^2/((rainfall\ worst\ year + (0.8*((1000/CN) 10))))]$
- (16) Infiltrated rainfall = (rainfall worst year-field runoff worst year)
- (17) Available water = (effluent available for land application + infiltrated rainfall check)
- (18a) Average net evaporation distribution Data source: Texas Water Development Board (see Quadrangle in Water Balance Calculations above)
- (18b) Net low evaporation from reservoir surface = $[(|low\ net\ evaporation|)*(net\ low\ evaporation\ avg.\ dist)]*[(pond\ area)/(irrigation\ area)]$
- (19) Storage =
- If: $(total\ water\ needs\ -\ infiltrated\ rainfall\)< o, (effluent\ available\ for\ land\ application\ -\ net\ low\ evaporation\ from\ reservoir\ surface\);$
- If: $(total\ water\ needs-infiltrated\ rainfall) \ge 0$,
- $(effluent\ available\ for\ land\ application-net\ low\ evaporation\ from\ reservoir\ surface)\ ^*\ [(total\ water\ needs-infiltrated\ rainfall)/(irrigation\ efficiency)]$
- (20) Accumulated storage =
 - If: net low evaporation from reservoir surface + storage $\le 0, 0$
 - If: net low evaporation from reservoir surface + storage > 0, enter value

Page 29 0375

ATTACHMENT 10 – STORAGE LAGOON CONTINGENCY PLAN

SCHREIBER FOODS, INC. STORAGE LAGOON CONTINGENCY PLAN

Purpose

Schreiber Foods, Inc. ("Schreiber") is executing a production expansion that will increase the amount of wastewater effluent generated at the facility. This permit application is being submitted to request an effluent increase equal to that of the hydraulic capacity of the fields Schreiber irrigates (192,000 gpd monthly average). As part of our permit application, Schreiber has prepared the below noted contingency procedure that shall go into effect should the facility find that it is not able to consistently stay within the current lagoon capacity monthly average limit of 154,000 gpd.

Current engineering predictions that incorporate the planned expansion indicate that wastewater effluent will remain below a monthly average limit of 154,000 gpd, with much of the year being far below this limit. Schreiber recognizes that actual wastewater flow can be difficult to predict in a food manufacturing facility as several variables can cause increased wastewater effluent. Due to this fact, Schreiber wishes to be prepared with a contingency plan should actual effluent numbers indicate an inability to maintain an average monthly flow below 154,000 gpd.

Procedure

The facility will monitor daily wastewater production and trend this data to fine tune our engineered predictions for future months. Should the facility's actual average daily discharge, or its future effluent predictions indicate an inability to remain below the monthly average limit of 154,000 gpd, Schreiber will develop a schedule, as well as take appropriate steps to reduce plant effluent, increase the capacity of the lagoon system or a combination of the two.

ATTACHMENT 11 - PUBLIC INVOLVEMENT PLAN



Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening
New Permit or Registration Application ☑ New Activity – modification, registration, amendment, facility, etc. (see instructions)
If neither of the above boxes are checked, a Public Involvement Plan is not necessary. Completion of the remaining sections not required.

Section 2. Secondary Screening				
🛛 Requires public not	rice,			
☐ Considered to have significant public interest, <u>and</u>				
\square Located within any of the following geographical locations:				
• Austin	San Antonio			
• Dallas	• West Texas			
• Fort Worth	• Texas Panhandle			
• Houston	 Along the Texas/Mexico Border 			
 Other geographical locations should be decided on a case-by-case basis 				
If all of the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2.				
☐ Public Involvement Plan not applicable to this application. Provide brief explanation.				
Section 3. Application Information				

☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

TCEQ-20960 (10-10-2022)

Air

Type of Application (check all that apply):

☐ Radioactive Materials Licensing

Waste □ Municipal Solid Waste

☐ Industrial and Hazardous Waste

☐ Underground Injection Controls

Water Quality				
☑ Texas Pollutant Discharge Elimination System (TPDES)				
☑ Texas Land Application Permit (TLAP)				
☐ State Only Concentrated Animal Feeding Operation (CAFO)				
□ Water Treatment Plant Residuals Disposal Permit				
☐ Class B Biosolids Land Application Permit				
☐ Domestic Septage Land Application Registration				
Water Rights New Permit				
□ New Appropriation of Water				
□ New or existing reservoir				
a new of existing reservoir				
Amendment to an Existing Water Right				
☐ Add a New Appropriation of Water				
□ Add a New or Existing Reservoir				
☐ Major Amendment that could affect other water rights or the environment				
Section 4. Plain Language Summary				
Provide a brief description of planned activities.				
Section 5. Community and Demographic Information				
Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.				
or generally available demographic tools.				
or generally available demographic tools. Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.				
or generally available demographic tools. Information gathered in this section can assist with the determination of whether				
or generally available demographic tools. Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.				
Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information. Stephenville				
Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information. Stephenville (City)				

TCEQ-20960 (10-10-2022) Page 2 of 4

(Census Tract)			
Please indicate which of these three is the level used for gathering the following information.			
☐ City ☐ County			
☑ Census Tract			
(a) Percent of people over 25 years of age who at least graduated from high school			
88.9%			
(b) Per capita income for population near the specified location			
\$24,810			
(c) Percent of minority population and percent of population by race within the specified location			
White = 75.6%, Black or African American = 3.29%, Hispanic = 12.7%, Two or More Races = 2.11% Other (Hispanic) = 2.68%, Asian = 1.3%, Indian = 1.6%, Multiracial = 0.72%			
(d) Percent of Linguistically Isolated Households by language within the specified location			
0%			
(e) Languages commonly spoken in area by percentage			
English = 89.4%, Spanish = 10.6%			
(f) Community and/or Stakeholder Groups			
N/A			
(g) Historic public interest or involvement			
N/A			
Section 6. Planned Public Outreach Activities			
(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?			
⊠ Yes □ No			
(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?			
□ Yes 🖾 No			
If Yes, please describe.			
If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.			
(c) Will you provide notice of this application in alternative languages?			
□ Yes □ No			
Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the			
alternative language.			
alternative language. If yes, how will you provide notice in alternative languages?			
alternative language.			

TCEQ-20960 (10-10-2022)

[] Mailed by TCFO!- Off: of the Chi f Ch.		
☐ Mailed by TCEQ's Office of the Chief Clerk		
□ Other (specify)		
(d) Is there an opportunity for some type of public meeting, including after notice?		
□ Yes □ No		
(e) If a public meeting is held, will a translator be provided if requested?		
□ Yes □ No		
(f) Hard copies of the application will be available at the following (check all that apply):		
□ TCEQ Regional Office		
☐ TCEQ Central Office		
□ Public Place (specify)		
For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements. Will you provide notice of this application, including notice in alternative languages? X Yes No		
What types of notice will be provided?		
🛮 Publish in alternative language newspaper		
□ Posted on Commissioner's Integrated Database Website		
☐ Mailed by TCEQ's Office of the Chief Clerk		
□ Other (specify)		

To request a more accessible version of this report, please contact the TCEQ Help Desk at (512) 239-4357.



Compliance History Report

Compliance History Report for CN602630972, RN102780665, Rating Year 2022 which includes Compliance History (CH) components from September 1, 2017, through August 31, 2022.

Customer, Respondent, CN602630972, Schreiber Foods, Inc. Classification: HIGH Rating: 0.00

or Owner/Operator:

Regulated Entity: RN102780665, SCHREIBER FOODS Classification: HIGH Rating: 0.00

Complexity Points: 6 Repeat Violator: NO

CH Group: 14 - Other

Location: 923 COUNTY ROAD 176 STEPHENVILLE, TX 76401-6802, ERATH COUNTY

TCEQ Region: REGION 04 - DFW METROPLEX

ID Number(s):

PUBLIC WATER SYSTEM/SUPPLY REGISTRATION AIR NEW SOURCE PERMITS REGISTRATION 77437

0720026

STORMWATER PERMIT TXR05R880 WASTEWATER PERMIT WQ0003074000

POLLUTION PREVENTION PLANNING ID NUMBER

P06883

Compliance History Period: September 01, 2017 to August 31, 2022 Rating Year: 2022 Rating Date: 09/01/2022

Date Compliance History Report Prepared: February 07, 2023

Agency Decision Requiring Compliance History: Permit - Issuance, renewal, amendment, modification, denial, suspension, or

revocation of a permit.

Component Period Selected: February 07, 2017 to February 07, 2023

TCEQ Staff Member to Contact for Additional Information Regarding This Compliance History.

Name: Alyssa Loveday Phone: (512) 239-4524

Site and Owner/Operator History:

1) Has the site been in existence and/or operation for the full five year compliance period? YES

YES

2) Has there been a (known) change in ownership/operator of the site during the compliance period?

NO

Components (Multimedia) for the Site Are Listed in Sections A - J

A. Final Orders, court judgments, and consent decrees:

N/A

B. Criminal convictions:

N/A

C. Chronic excessive emissions events:

N/A

D. The approval dates of investigations (CCEDS Inv. Track. No.):

 Item 1
 January 15, 2019
 (1538738)

 Item 2
 March 11, 2020
 (1618294)

 Item 3
 April 23, 2020
 (1644538)

 Item 4
 October 06, 2021
 (1763114)

E. Written notices of violations (NOV) (CCEDS Inv. Track. No.):

A notice of violation represents a written allegation of a violation of a specific regulatory requirement from the commission to a regulated entity. A notice of violation is not a final enforcement action, nor proof that a violation has actually occurred.

N/A

F. Environmental audits: N/A G. Type of environmental management s

G. Type of environmental management systems (EMSs):

H. Voluntary on-site compliance assessment dates:

N/A

I. Participation in a voluntary pollution reduction program:

N/A

J. Early compliance:

N/A

Sites Outside of Texas:

N/A

Page 2

Component Appendices

Appendix A

All NOVs Issued During Component Period 2/7/2017 and 2/7/2023

1 Date: 07/24/2019 (1569501)

Self Report? NO Classification: Minor

Citation:

30 TAC Chapter 319, SubChapter A 319.11(c)

Description: Failed to properly analyze effluent samples.

Self Report? NO Classification: Minor

Citation:

30 TAC Chapter 305, SubChapter F 305.125(1) 30 TAC Chapter 305, SubChapter F 305.125(5) Operational Requirements, No. 1 PERMIT

Description: Failed to properly operate and maintain the facility.

Self Report? NO Classification: Moderate

Citation:

30 TAC Chapter 305, SubChapter F 305.125(1)

Conditions of the Permit, Page 2 PERMIT

Description: Failed to maintain compliance with the permitted effluent limits.

* NOVs applicable for the Compliance History rating period 9/1/2017 to 8/31/2022

Appendix B

All Investigations Conducted During Component Period February 07, 2017 and February 07, 2023

Item 1*	January 19**	(1538738)
Item 2	July 19, 2019**	(1569501)
Item 3*	March 11, 2020**	(1618294)
Item 4*	April 23, 2020**	(1644538)
Item 5*	October 06, 2021**	(1763114)

^{*} No violations documented during this investigation

Page 3

^{**}Investigation applicable for the Compliance F' cory . ting period betwe 109/01/2017 and 08/31/2022.