



Technical Package Cover Page

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Plain Language Summary for Texas Pollutant Discharge Elimination System (TPDES) Permit Amendment Application

The City of Boyd (CN600734487) operates the City of Boyd Wastewater Treatment Facility RN101721652. It is an activated sludge process plant operated in the complete mix mode. The facility is located at 2,200 feet northeast of the intersection of FM 730 and SH 114, in the City of Boyd, Wise County, Texas 76023.

This application is for an amendment to increase discharge from an annual average flow of 240,000 gallons per day of treated domestic wastewater to 480,000 in Phase 2 and to 980,000 in Final Phase via Outfall 001.

Discharges from the facility are expected to contain five-day biochemical oxygen demand (CBOD₅), total suspended solids (TSS), and *Escherichia coli*. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a mechanical bar screen, aeration basins, final clarifiers, sludge digesters, a sludge dewatering rotary press, sludge dewatering beds, and chlorine contact chambers.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT AMENDMENT

PERMIT NO. WQ0010131001

APPLICATION. City of Boyd, P.O. Box 216, Boyd, Texas 76023, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010131001 (EPA I.D. No. TX0022632) to authorize an increase to the discharge of treated wastewater to a volume not to exceed a daily average flow of 980,000 gallons per day. The domestic wastewater treatment facility is located approximately 2,200 feet northeast of the intersection of Farm-to-Market Road 730 and State Highway 114, in the city of Boyd, Wise County, Texas 76023. The discharge route is from the plant site to a man-made ditch (not a water in the state), thence to West Fork Trinity River Below Bridgeport Reservoir. TCEQ received this application on October 3, 2024. The permit application will be available for viewing and copying at Boyd City Hall, 731 East Rock Island Avenue, Boyd, in Wise County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.551388,33.081111&level=18>

ADDITIONAL NOTICE. TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application.** If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing. A contested case hearing is a legal proceeding similar to a civil trial in state district court.

TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST: your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period and, the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

MAILING LIST. If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at www.tceq.texas.gov/goto/cid. Search the database using the permit number for this application, which is provided at the top of this notice.

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105,

P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from City of Boyd at the address stated above or by calling Mr. Dwayne Taylor, City Administrator, at 940-433-8400.

Issuance Date: October 31, 2024

Texas Commission on Environmental Quality



NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER

AMENDMENT

PERMIT NO. WQ0010131001

APPLICATION AND PRELIMINARY DECISION. City of Boyd, P.O. Box 216, Boyd, Texas 76023, has applied to the Texas Commission on Environmental Quality (TCEQ) for a major amendment to Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010131001 to authorize an increase in the discharge of treated domestic wastewater from a daily average flow not to exceed 240,000 gallons per day to a daily average flow not to exceed 980,000 gallons per day. TCEQ received this application on October 3, 2024.

The facility is located approximately 2,200 feet northeast of the intersection of Farm-to-Market Road 730 and State Highway 114, in the city of Boyd, Wise County, Texas 76023. The treated effluent is discharged directly to West Fork Trinity River Below Bridgeport Reservoir in Segment No. 0810 of the Trinity River Basin. The designated uses for Segment No. 0810 are primary contact recreation, public water supply, and high aquatic life use. In accordance with 30 Texas Administrative Code §307.5 and the TCEQ Procedures to Implement the Texas Surface Water Quality Standards (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in West Fork Trinity River Below Bridgeport Reservoir, which has been identified as having high aquatic life uses. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.551388,33.081111&level=18>

The TCEQ Executive Director has completed the technical review of the application and prepared a draft permit. The draft permit, if approved, would establish the conditions under which the facility must operate. The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The permit application, Executive Director's preliminary decision, and draft permit are available for viewing and copying at Boyd City Hall, 731 East Rock Island Avenue, Boyd, in Wise County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting about this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ holds a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application. If comments are received, the mailing will also provide instructions for requesting a contested case hearing or reconsideration of the Executive Director's decision.** A contested case hearing is a legal proceeding similar to a civil trial in a state district court.

TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST: your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period; and the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

EXECUTIVE DIRECTOR ACTION. The Executive Director may issue final approval of the application unless a timely contested case hearing request or request for reconsideration is filed. If a timely hearing request or request for reconsideration is filed, the Executive Director will not issue final approval of the permit and will forward the application and request to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

MAILING LIST. If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

All written public comments and public meeting requests must be submitted to the Office of the Chief Clerk, MC 105, Texas Commission on Environmental Quality, P.O. Box 13087, Austin, TX 78711-3087 or electronically at www.tceq.texas.gov/goto/comment within 30 days from the date of newspaper publication of this notice.

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at www.tceq.texas.gov/goto/cid. Search the database using the permit number for this application, which is provided at the top of this notice.

AGENCY CONTACTS AND INFORMATION. Public comments and requests must be submitted either electronically at www.tceq.texas.gov/goto/comment, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC 105, P.O. Box 13087, Austin, Texas 78711-3087. Any personal information you submit to the TCEQ will become part of the agency's record; this includes email addresses. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from City of Boyd at the address stated above or by calling Mr. Dwayne Taylor, City of Boyd, at 940-433-8400.

Issuance Date: July 31, 2025

**STATEMENT OF BASIS/TECHNICAL SUMMARY
AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION**

DESCRIPTION OF APPLICATION

Applicant:	City of Boyd; Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010131001, EPA I.D. No. TX0022632
Regulated Activity:	Domestic Wastewater Permit
Type of Application:	Major Amendment with renewal
Request:	Increase in permitted flow
Authority:	Federal Clean Water Act (CWA) § 402; Texas Water Code § 26.027; 30 Texas Administrative Code (TAC) Chapters 30, 305, 307, 309, 312, and 319; Commission policies; and United States 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 includes an expiration date of **five years from the date of issuance**.

REASON FOR PROJECT PROPOSED

The applicant has applied to the Texas Commission on Environmental Quality (TCEQ) for an amendment of the existing permit to authorize an increase in the discharge of treated domestic wastewater from a daily average flow not to exceed 0.24 million gallons per day (MGD) to a daily average flow not to exceed 0.98 MGD. The existing wastewater treatment facility serves City of Boyd.

PROJECT DESCRIPTION AND LOCATION

The City of Boyd Wastewater Treatment Facility is an activated sludge process plant operated in the extended aeration mode. Treatment units in the Interim I phase includes an influent mechanical bar screen, an equalization basin, two parallel aeration basins, two parallel final clarifiers, two parallel aerobic sludge digesters, and two parallel chlorine contact basins. Treatment units in the Interim II phase will include an influent mechanical bar screen, an equalization basin, two parallel aeration basins, two parallel final clarifiers, four parallel aerobic sludge digesters, and two parallel chlorine contact basins. Treatment units in the Final phase will include two influent mechanical bar screen, two equalization basin, four parallel aeration basins, four parallel final clarifiers, six parallel aerobic sludge digesters, four parallel chlorine contact basins, and a dechlorination chamber. The facility is operating in the Interim I phase.

Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at a TCEQ-permitted landfill, Itasca Landfill, Permit No. 241D, in Hill County. The draft permit also authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

The plant site is located approximately 2,200 feet northeast of the intersection of Farm-to-Market Road 730 and State Highway 114, in the city of Boyd, Wise County, Texas 76023.

Outfall Location:

Outfall Number	Latitude	Longitude
001	33.084302 N	97.550513 W

The treated effluent is discharged directly to West Fork Trinity River Below Bridgeport Reservoir in Segment No. 0810 of the Trinity River Basin. The designated uses for Segment No. 0810 are primary contact recreation, public water supply, and high aquatic life use. The effluent limitations in the draft permit will maintain and protect the existing instream uses. In accordance with 30 Texas Administrative Code §307.5 and the TCEQ Procedures to Implement the Texas Surface Water Quality Standards (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in West Fork Trinity River Below Bridgeport Reservoir, which has been identified as having high aquatic life uses. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

Effluent limitations for the conventional effluent parameters (i.e., Five-Day Biochemical Oxygen Demand or Five-Day Carbonaceous Biochemical Oxygen Demand, Ammonia Nitrogen, etc.) are based on stream standards and waste load allocations for water-quality limited streams as established in the Texas Surface Water Quality Standards (TSWQS) and the State of Texas Water Quality Management Plan (WQMP).

In a case such as this, end-of-pipe compliance with pH limits between 6.0 and 9.0 standard units reasonably assures instream compliance with the TSWQS for pH when the discharge authorized is from a minor facility. This technology-based approach reasonably assures instream compliance with TSWQS criteria due to the relatively smaller discharge volumes authorized by these permits. This conservative assumption is based on TCEQ sampling conducted throughout the state which indicates that instream buffering quickly restores pH levels to ambient conditions. Similarly, this approach has been historically applied within EPA issued NPDES general permits where technology-based pH limits were established to be protective of water quality criteria.

The effluent limitations in the draft permit have been reviewed for consistency with the WQMP. The proposed effluent limitations are not contained in the approved WQMP. However, these limits will be included in the next WQMP update.

The discharge from this permit action is not expected to have an effect on any federal endangered or threatened aquatic or aquatic-dependent species or proposed species or their critical habitat. This determination is based on the United States Fish and Wildlife Service's (USFWS) biological opinion on the State of Texas authorization of the TPDES (September 14, 1998; October 21, 1998 update). To make this determination for TPDES permits, TCEQ and EPA only considered aquatic or aquatic-dependent species occurring in watersheds of critical concern or high priority as listed in Appendix A of the USFWS biological opinion. The determination is subject to reevaluation due to subsequent updates or amendments to the biological opinion. The permit does not require EPA review with respect to the presence of endangered or threatened species.

Segment No. 0810 is currently listed on the state's inventory of impaired and threatened waters (the 2022 CWA § 303(d) list). The listing is specifically for elevated bacteria levels in the lower 25 miles of the Segment (Assessment Unit 0810_01).



TPDES PERMIT NO. WQ0010131001
*[For TCEQ office use only - EPA I.D.
No. TX0022632]*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

This major amendment with renewal
supersedes and replaces TPDES Permit
No. WQ0010131001 issued on December
23, 2021.

PERMIT TO DISCHARGE WASTES
under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

City of Boyd

whose mailing address is

P.O. Box 216
Boyd, Texas 76023

is authorized to treat and discharge wastes from the City of Boyd Wastewater Treatment Facility, SIC
Code 4952

located approximately 2,200 feet northeast of the intersection of Farm-to-Market Road 730 and State
Highway 114, in the city of Boyd, Wise County, Texas 76023

directly to West Fork Trinity River Below Bridgeport Reservoir in Segment No. 0810 of the Trinity
River Basin

only according to effluent limitations, monitoring requirements, and other conditions set forth in this
permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the
State of Texas, and other orders of the TCEQ. The issuance of this permit does not grant to the
permittee the right to use private or public property for conveyance of wastewater along the discharge
route described in this permit. This includes, but is not limited to, property belonging to any individual,
partnership, corporation, or other entity. Neither does this permit authorize any invasion of personal
rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the
permittee to acquire property rights as may be necessary to use the discharge route.

This permit shall expire at midnight, **five years from the date of issuance.**

ISSUED DATE:

For the Commission

INTERIM I EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon the date of issuance and lasting through the completion of expansion to the 0.48 million gallons per day (MGD) facility, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.24 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 500 gallons per minute.

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Min. Self-Monitoring Requirements</u>	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Max. Single Grab Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Five/week	Instantaneous
Biochemical Oxygen Demand (5-day)	20 (40)	30	45	65	One/week	Grab
Total Suspended Solids	20 (40)	30	45	65	One/week	Grab
Ammonia Nitrogen	12 (24)	N/A	15	15	One/week	Grab
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	N/A	399	One/month	Grab

2. The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes (based on peak flow), and shall be monitored five times per week by grab sample at each chlorine contact chamber. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
6. The effluent shall contain a minimum dissolved oxygen of 2.0 mg/l and shall be monitored once per week by grab sample.

INTERIM II EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon the completion of expansion to the 0.48 million gallons per day (MGD) facility and lasting through the completion of expansion to the 0.98 MGD facility, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.48 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 1000 gallons per minute.

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Min. Self-Monitoring Requirements</u>	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Daily Max. Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (40)	15	25	35	One/week	Grab
Total Suspended Solids	15 (60)	25	40	60	One/week	Grab
Ammonia Nitrogen	3 (12)	6	10	15	One/week	Grab
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	N/A	399	One/month	Grab

2. The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes (based on peak flow), and shall be monitored five times per week by grab sample at each chlorine contact chamber. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
6. The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored once per week by grab sample.

FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSOutfall Number 001

1. During the period beginning upon the completion of expansion to the 0.98 million gallons per day (MGD) facility and lasting through the date of expiration, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.98 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 2042 gallons per minute.

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Min. Self-Monitoring Requirements</u>	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Daily Max. Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (82)	15	25	35	One/week	Composite
Total Suspended Solids	15 (123)	25	40	60	One/week	Composite
Ammonia Nitrogen	3 (25)	6	10	15	One/week	Composite
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	399	N/A	Two/month	Grab

2. The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow) and shall be monitored daily by grab sample at each chlorine contact chamber. The permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual and shall monitor total chlorine residual daily by grab sample after the dechlorination process. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored twice per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
6. The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored once per week by grab sample.

DEFINITIONS AND STANDARD PERMIT CONDITIONS

As required by Title 30 Texas Administrative Code (TAC) Chapter 305, certain regulations appear as standard conditions in waste discharge permits. 30 TAC § 305.121 - 305.129 (relating to Permit Characteristics and Conditions) as promulgated under the Texas Water Code (TWC) §§ 5.103 and 5.105, and the Texas Health and Safety Code (THSC) §§ 361.017 and 361.024(a), establish the characteristics and standards for waste discharge permits, including sewage sludge, and those sections of 40 Code of Federal Regulations (CFR) Part 122 adopted by reference by the Commission. The following text includes these conditions and incorporates them into this permit. All definitions in TWC § 26.001 and 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. 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 one million gallons per day or greater permitted flow.
- b. 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.
- c. Daily maximum flow - the highest total flow for any 24-hour period in a calendar month.
- d. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.
- e. 2-hour peak flow (domestic wastewater treatment plants) - the maximum flow sustained for a two-hour period during the period of daily discharge. The average of multiple measurements of instantaneous maximum flow within a two-hour period may be used to calculate the 2-hour peak flow.
- f. Maximum 2-hour peak flow (domestic wastewater treatment plants) - the highest 2-hour peak flow for any 24-hour period in a calendar month.

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.
- d. Daily discharge - the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the sampling day.

The daily discharge determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily discharge determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that day.

- e. Bacteria concentration (*E. coli* or Enterococci) - Colony Forming Units (CFU) or Most Probable Number (MPN) of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the n th root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or, computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substituted value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.
 - f. Daily average loading (lbs/day) - the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as (Flow, MGD x Concentration, mg/l x 8.34).
 - g. Daily maximum loading (lbs/day) - the highest daily discharge, in terms of mass (lbs/day), 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 (b).

- 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 and/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 that have not been classified as hazardous waste separated from wastewater by unit processes.
- 6. The term "biosolids" is defined as sewage sludge that has been tested or processed to meet Class A, Class AB, or Class B pathogen standards in 30 TAC Chapter 312 for beneficial use.
- 7. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

Monitoring results shall be provided 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 and reporting in accordance with 30 TAC §§ 319.4 - 319.12. Unless otherwise specified, effluent monitoring data shall be submitted each month, to the Enforcement Division (MC 224), by the 20th day of the following month for each discharge which is described by this permit whether or not a discharge is made for that month. Monitoring results must be submitted online using the NetDMR reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. Monitoring results must be signed and certified as required by Monitoring and Reporting Requirements No. 10.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Clean Water Act (CWA); TWC §§ 26, 27, and 28; and THSC § 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 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 § 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 or biosolids and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR § 264.73(b)(9) 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, application or certification. 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 the calculation and reporting of the values submitted on the approved self-report form. Increased frequency of sampling shall be indicated on the self-report form.

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/or 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. Except as allowed by 30 TAC § 305.132, 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. For Publicly Owned Treatment Works (POTWs), effective December 21, 2025, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. 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 that exceeds any effluent limitation in the permit.
 - iii. Violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES 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. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.
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 µg/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 µg/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).

11. All POTWs must provide adequate notice to the Executive Director of the following:

- a. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to CWA § 301 or § 306 if it were directly discharging those pollutants;
- b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit; and
- c. For the purpose of this paragraph, adequate notice shall include information on:
 - i. The quality and quantity of effluent introduced into the POTW; and
 - ii. Any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

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 that 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 TWC§ 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 Other Requirements section of this permit.
- h. In accordance with 30 TAC § 305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility which does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.
- i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under TWC §§ 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) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA § 402, or any requirement imposed in a pretreatment program approved under the CWA §§ 402 (a)(3) or 402 (b)(8).

3. Inspections and Entry

- a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC § 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 TWC § 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 and/or 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 to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC § 305.534 (relating to New Sources and New Dischargers); or
 - ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9; or
 - iii. 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 TWC § 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.
- f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA § 307(a) for a toxic pollutant which is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or

prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA § 307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

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 that requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Relationship to Water Rights

Disposal of treated effluent by any means other than discharge directly to water in the state must be specifically authorized in this permit and may require a permit pursuant to TWC Chapter 11.

8. Property Rights

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

9. 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.

10. 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.

11. 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(14)) 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 or biosolids 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 and/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, and/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 TWC § 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 required for TPDES permit applications, effluent data, including effluent data in permits, draft permits and permit applications, and other 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 that 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% of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading of the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90% 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 and/or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75% 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 219) 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. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.
 11. Facilities that 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 Corrective Action 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 Registration 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 § 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;
 - ii. Volume of waste disposed of on-site or shipped off-site;
 - iii. Date(s) of disposal;
 - iv. Identity of hauler or transporter;
 - v. Location of disposal site; and
 - vi. 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.

- 12. For industrial facilities to which the requirements of 30 TAC § 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with THSC § 361.

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SLUDGE PROVISIONS

The permittee is authorized to dispose of sludge or biosolids only at a Texas Commission on Environmental Quality (TCEQ) authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge. **The disposal of sludge or biosolids by land application on property owned, leased or under the direct control of the permittee is a violation of the permit unless the site is authorized with the TCEQ. This provision does not authorize Distribution and Marketing of Class A or Class AB Biosolids. This provision does not authorize the permittee to land apply biosolids on property owned, leased or under the direct control of the permittee.**

SECTION I. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS LAND APPLICATION

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge or biosolids.
2. In all cases, if the person (permit holder) who prepares the sewage sludge supplies the sewage sludge to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge to assure compliance with these regulations.
3. The land application of processed or unprocessed chemical toilet waste, grease trap waste, grit trap waste, milk solids, or similar non-hazardous municipal or industrial solid wastes, or any of the wastes listed in this provision combined with biosolids, WTP residuals or domestic septage is prohibited unless the grease trap waste is added at a fats, oil and grease (FOG) receiving facility as part of an anaerobic digestion process.

B. Testing Requirements

1. Sewage sludge or biosolids shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 4) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. The permittee must submit this annual report by September 30th of each year, using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 4) and the Enforcement Division (MC 224).

2. Biosolids shall not be applied to the land if the concentration of the pollutants exceeds the pollutant concentration criteria in Table 1. The frequency of testing for pollutants in Table 1 is found in Section I.C. of this permit.

TABLE 1

<u>Pollutant</u>	<u>Ceiling Concentration</u> <u>(Milligrams per kilogram)*</u>
Arsenic	75
Cadmium	85
Chromium	3000
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
PCBs	49
Selenium	100
Zinc	7500

* Dry weight basis

3. Pathogen Control

All sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site must be treated by one of the following methods to ensure that the sludge meets either the Class A, Class AB or Class B biosolids pathogen requirements.

- a. For sewage sludge to be classified as Class A biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 most probable number (MPN) per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge must be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(3)(A) for specific information;

Alternative 5 (PFRP) - Sewage sludge that is used or disposed of must be treated in one of the Processes to Further Reduce Pathogens (PFRP) described in 40 CFR Part 503, Appendix B. PFRP include composting, heat drying, heat treatment, and thermophilic aerobic digestion; or

Alternative 6 (PFRP Equivalent) - Sewage sludge that is used or disposed of must be treated in a process that has been approved by the U. S. Environmental Protection Agency as being equivalent to those in Alternative 5.

- b. For sewage sludge to be classified as Class AB biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 MPN per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 2 - The pH of the sewage sludge that is used or disposed shall be raised to above 12 std. units and shall remain above 12 std. units for 72 hours.

The temperature of the sewage sludge shall be above 52° Celsius for 12 hours or longer during the period that the pH of the sewage sludge is above 12 std. units.

At the end of the 72-hour period during which the pH of the sewage sludge is above 12 std. units, the sewage sludge shall be air dried to achieve a percent solids in the sewage sludge greater than 50%; or

Alternative 3 - The sewage sludge shall be analyzed for enteric viruses prior to pathogen treatment. The limit for enteric viruses is less than one Plaque-forming Unit per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(i-iii) for specific information. The sewage sludge shall be analyzed for viable helminth ova prior to pathogen treatment. The limit for viable helminth ova is less than one per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(iv-vi) for specific information; or

Alternative 4 - The density of enteric viruses in the sewage sludge shall be less than one Plaque-forming Unit per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. The density of viable helminth ova in the sewage sludge shall be less than one per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed.

- c. Sewage sludge that meets the requirements of Class AB biosolids may be classified a Class A biosolids if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that the variance may potentially endanger human health or the environment, or create nuisance odor conditions.
- d. Three alternatives are available to demonstrate compliance with Class B biosolids

criteria.

Alternative 1

- i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.
- ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

Alternative 2 - Sewage sludge that is used or disposed of shall be treated in one of the Processes to Significantly Reduce Pathogens (PSRP) described in 40 CFR Part 503, Appendix B, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;
- ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;
- iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and
- v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

Alternative 3 - Sewage sludge shall be treated in an equivalent process that has been approved by the U.S. Environmental Protection Agency, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a

single location, except as provided in paragraph v. below;

- ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;
- iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and
- v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

In addition to the Alternatives 1 – 3, the following site restrictions must be met if Class B biosolids are land applied:

- i. Food crops with harvested parts that touch the biosolids /soil mixture and are totally above the land surface shall not be harvested for 14 months after application of biosolids.
- ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of biosolids when the biosolids remain on the land surface for 4 months or longer prior to incorporation into the soil.
- iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of biosolids when the biosolids remain on the land surface for less than 4 months prior to incorporation into the soil.
- iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of biosolids.
- v. Domestic livestock shall not be allowed to graze on the land for 30 days after application of biosolids.
- vi. Turf grown on land where biosolids are applied shall not be harvested for 1 year after application of the biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn.
- vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of biosolids.

- viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of biosolids.
 - ix. Land application of biosolids shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.
4. Vector Attraction Reduction Requirements

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.

- Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.
- Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.
- Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.
- Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.
- Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.
- Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.
- Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90% based on the moisture content and total solids prior to mixing with other materials at the time the sludge is used. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 9 -

- i. Biosolids shall be injected below the surface of the land.
- ii. No significant amount of the biosolids shall be present on the land surface within one hour after the biosolids are injected.
- iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the biosolids shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Alternative 10 -

- i. Biosolids applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.
- ii. When biosolids that is incorporated into the soil is Class A or Class AB with respect to pathogens, the biosolids shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test	- once during the term of this permit
PCBs	- once during the term of this permit

All metal constituents and fecal coliform or *Salmonella* sp. bacteria shall be monitored at the appropriate frequency shown below, pursuant to 30 TAC § 312.46(a)(1):

<u>Amount of biosolids (*) metric tons per 365-day period</u>	<u>Monitoring Frequency</u>
0 to less than 290	Once/Year
290 to less than 1,500	Once/Quarter
1,500 to less than 15,000	Once/Two Months
15,000 or greater	Once/Month

(*) *The amount of bulk biosolids applied to the land (dry wt. basis).*

Representative samples of sewage sludge shall be collected and analyzed in accordance with the methods referenced in 30 TAC § 312.7

Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.

Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge or biosolids for disposal at a landfill) and whether the material is ultimately conveyed off-site in bulk or in bags.

SECTION II. REQUIREMENTS SPECIFIC TO BULK SEWAGE SLUDGE FOR APPLICATION TO THE LAND MEETING CLASS A, CLASS AB or B BIOSOLIDS PATHOGEN REDUCTION AND THE CUMULATIVE LOADING RATES IN TABLE 2, OR CLASS B PATHOGEN REDUCTION AND THE POLLUTANT CONCENTRATIONS IN TABLE 3

For those permittees meeting Class A, Class AB or B pathogen reduction requirements and that meet the cumulative loading rates in Table 2 below, or the Class B pathogen reduction requirements and contain concentrations of pollutants below listed in Table 3, the following conditions apply:

A. Pollutant Limits

Table 2

<u>Pollutant</u>	Cumulative Pollutant Loading Rate (pounds per acre)*
Arsenic	36
Cadmium	35
Chromium	2677
Copper	1339
Lead	268
Mercury	15
Molybdenum	Report Only
Nickel	375
Selenium	89
Zinc	2500

Table 3

<u>Pollutant</u>	Monthly Average Concentration (milligrams per kilogram)*
Arsenic	41
Cadmium	39
Chromium	1200
Copper	1500
Lead	300
Mercury	17
Molybdenum	Report Only
Nickel	420
Selenium	36
Zinc	2800

*Dry weight basis

B. Pathogen Control

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, a reclamation site, shall be treated by either Class A, Class AB or Class B biosolids pathogen reduction requirements as defined above in Section I.B.3.

C. Management Practices

1. Bulk biosolids shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk biosolids enters a wetland or other waters in the State.
2. Bulk biosolids not meeting Class A biosolids requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.
3. Bulk biosolids shall be applied at or below the agronomic rate of the cover crop.
4. An information sheet shall be provided to the person who receives bulk Class A or AB biosolids sold or given away. The information sheet shall contain the following information:
 - a. The name and address of the person who prepared the Class A or AB biosolids that are sold or given away in a bag or other container for application to the land.
 - b. A statement that application of the biosolids to the land is prohibited except in accordance with the instruction on the label or information sheet.
 - c. The annual whole sludge application rate for the biosolids application rate for the biosolids that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

D. Notification Requirements

1. If bulk biosolids are applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk biosolids are proposed to be applied. The notice shall include:
 - a. The location, by street address, and specific latitude and longitude, of each land application site.
 - b. The approximate time period bulk biosolids will be applied to the site.
 - c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk biosolids.
2. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the biosolids disposal practice.

E. Record Keeping Requirements

The documents will be retained at the facility site and/or shall be readily available for review by a TCEQ representative. The person who prepares bulk sewage sludge or a biosolids material shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative for a period

of five years. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply.

1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.
2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B biosolids, if applicable).
3. A description of how the vector attraction reduction requirements are met.
4. A description of how the management practices listed above in Section II.C are being met.
5. The following certification statement:

“I certify, under penalty of law, that the applicable pathogen requirements in 30 TAC § 312.82(a) or (b) and the vector attraction reduction requirements in 30 TAC § 312.83(b) have been met for each site on which bulk biosolids are applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for false certification including fine and imprisonment.”

6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk biosolids shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative indefinitely. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:
 - a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee’s specific sludge treatment activities.
 - b. The location, by street address, and specific latitude and longitude, of each site on which biosolids is applied.
 - c. The number of acres in each site on which bulk biosolids are applied.
 - d. The date and time biosolids are applied to each site.
 - e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.
 - f. The total amount of biosolids applied to each site in dry tons.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

F. Reporting Requirements

The permittee must submit this annual report by September 30th of each year, using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 4) and the Enforcement Division ((MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.
3. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.
4. The frequency of monitoring listed in Section I.C. that applies to the permittee.
5. Toxicity Characteristic Leaching Procedure (TCLP) results.
6. PCB concentration in sludge or biosolids in mg/kg.
7. Identity of hauler(s) and TCEQ transporter number.
8. Date(s) of transport.
9. Texas Commission on Environmental Quality registration number, if applicable.
10. Amount of sludge or biosolids disposal dry weight (lbs/acre) at each disposal site.
11. The concentration (mg/kg) in the sludge of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.
12. Level of pathogen reduction achieved (Class A, Class AB or Class B).
13. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B biosolids, include information on how site restrictions were met.
14. Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.
15. Vector attraction reduction alternative used as listed in Section I.B.4.

16. Amount of sludge or biosolids transported in dry tons/year.
17. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge or biosolids treatment activities, shall be attached to the annual reporting form.
18. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.
 - a. The location, by street address, and specific latitude and longitude.
 - b. The number of acres in each site on which bulk biosolids are applied.
 - c. The date and time bulk biosolids are applied to each site.
 - d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk biosolids applied to each site.
 - e. The amount of biosolids (i.e., dry tons) applied to each site.

The above records shall be maintained on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION III. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS DISPOSED IN A MUNICIPAL SOLID WASTE LANDFILL

- A. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge or biosolids meets the requirements in 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
- B. If the permittee generates sewage sludge or biosolids and supplies that sewage sludge or biosolids to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.
- C. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge or biosolids disposal practice.
- D. Sewage sludge or biosolids shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 4) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 4) and the Enforcement Division (MC 224) of the by September 30th of each year.

- E. Sewage sludge or biosolids shall be tested as needed, in accordance with the requirements of 30 TAC Chapter 330.
- F. Record Keeping Requirements

The permittee shall develop the following information and shall retain the information for five years.

1. The description (including procedures followed and the results) of all liquid Paint Filter Tests performed.
2. The description (including procedures followed and results) of all TCLP tests performed.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

G. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 4) and the Enforcement Division (MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. Toxicity Characteristic Leaching Procedure (TCLP) results.
3. Annual sludge or biosolids production in dry tons/year.
4. Amount of sludge or biosolids disposed in a municipal solid waste landfill in dry tons/year.
5. Amount of sludge or biosolids transported interstate in dry tons/year.
6. A certification that the sewage sludge or biosolids meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
7. Identity of hauler(s) and transporter registration number.
8. Owner of disposal site(s).
9. Location of disposal site(s).
10. Date(s) of disposal.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION IV. REQUIREMENTS APPLYING TO SLUDGE OR BIOSOLIDS TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING

These provisions apply to sludge or biosolids that is transported to another wastewater treatment facility or facility that further processes sludge or biosolids. These provisions are intended to allow transport of sludge or biosolids to facilities that have been authorized to accept sludge or biosolids. These provisions do not limit the ability of the receiving facility to determine whether to accept the sludge or biosolids, nor do they limit the ability of the receiving facility to request additional testing or documentation.

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC Chapter 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.
2. Sludge or biosolids may only be transported using a registered transporter or using an approved pipeline.

B. Record Keeping Requirements

1. For sludge or biosolids transported by an approved pipeline, the permittee must maintain records of the following:
 - a. the amount of sludge or biosolids transported;
 - b. the date of transport;
 - c. the name and TCEQ permit number of the receiving facility or facilities;
 - d. the location of the receiving facility or facilities;
 - e. the name and TCEQ permit number of the facility that generated the waste; and
 - f. copy of the written agreement between the permittee and the receiving facility to accept sludge or biosolids.
2. For sludge transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge or biosolids transported.
3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

C. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 4) and the Enforcement Division (MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. the annual sludge or biosolids production;
3. the amount of sludge or biosolids transported;
4. the owner of each receiving facility;
5. the location of each receiving facility; and
6. the date(s) of disposal at each receiving facility.

TCEQ Revision 06/2020

OTHER REQUIREMENTS

1. The permittee shall employ or contract with one or more licensed wastewater treatment facility operators or wastewater system operations companies holding a valid license or registration according to the requirements of 30 TAC Chapter 30, Occupational Licenses and Registrations, and in particular 30 TAC Chapter 30, Subchapter J, Wastewater Operators and Operations Companies.

This Category C facility must be operated by a chief operator or an operator holding a Class C license or higher. The facility must be operated a minimum of five days per week by the licensed chief operator or an operator holding the required level of license or higher. The licensed chief operator or operator holding the required level of license or higher must be available by telephone or pager seven days per week. Where shift operation of the wastewater treatment facility is necessary, each shift that does not have the on-site supervision of the licensed chief operator must be supervised by an operator in charge who is licensed not less than one level below the category for the facility.

2. The facility is not located in the Coastal Management Program boundary.
3. Prior to construction of the Interim II phase and Final phase, the permittee shall submit sufficient evidence of legal restrictions prohibiting residential structures within the part of the buffer zone not owned by the permittee according to 30 TAC § 309.13(e)(3). The evidence of legal restrictions shall be submitted to the Executive Director in care of the TCEQ Wastewater Permitting Section (MC 148). The permittee shall comply with the requirements of 30 TAC § 309.13(a) through (d). (See Attachment A.)
4. The permittee shall provide facilities for the protection of its wastewater treatment facility from a 100-year flood.
5. In accordance with 30 TAC § 319.9, a permittee that has at least twelve months of uninterrupted compliance with its bacteria limit may notify the commission in writing of its compliance and request a less frequent measurement schedule. To request a less frequent schedule, the permittee shall submit a written request to the TCEQ Wastewater Permitting Section (MC 148) for each phase that includes a different monitoring frequency. The request must contain all of the reported bacteria values (Daily Avg. and Daily Max/Single Grab) for the twelve consecutive months immediately prior to the request. If the Executive Director finds that a less frequent measurement schedule is protective of human health and the environment, the permittee may be given a less frequent measurement schedule. For this permit, one/month may be reduced to one/quarter in the Interim I and the Interim II phases, and two/month may be reduced to one/month in the Final phase. **A violation of any bacteria limit by a facility that has been granted a less frequent measurement schedule will require the permittee to return to the standard frequency schedule and submit written notice to the TCEQ Wastewater Permitting Section (MC 148).** The permittee may not apply for another reduction in measurement frequency for at least 24 months from the date of the last violation. The Executive Director may establish a more frequent measurement schedule if necessary to protect human health or the environment.
6. Prior to construction of the Interim II phase (0.48 MGD) and the Final phase (0.98 MGD) treatment facility, the permittee shall submit to the TCEQ Wastewater Permitting Section (MC 148) a summary transmittal letter in accordance with the requirements in 30 TAC § 217.6(d). If requested by the Wastewater Permitting Section, the permittee shall submit plans and specifications and a final engineering design report which comply with 30 TAC Chapter 217, Design Criteria for Domestic Wastewater Systems. The permittee shall clearly show how the treatment system will meet the permitted effluent limitations required on Page 2a and 2b of this permit. A copy of the summary transmittal letter shall be available at the plant site for inspection by authorized representatives of the TCEQ.

7. The permittee shall notify the TCEQ Regional Office (MC Region 4) and the Applications Review and Processing Team (MC 148) of the Water Quality Division, in writing at least forty-five days prior to the completion of the new facilities on Notification of Completion Form 20007.
8. The Ammonia Nitrogen (NH₃-N) monitoring requirements for the Interim I phase at Outfall 001 will expire at the expiration of this permit.

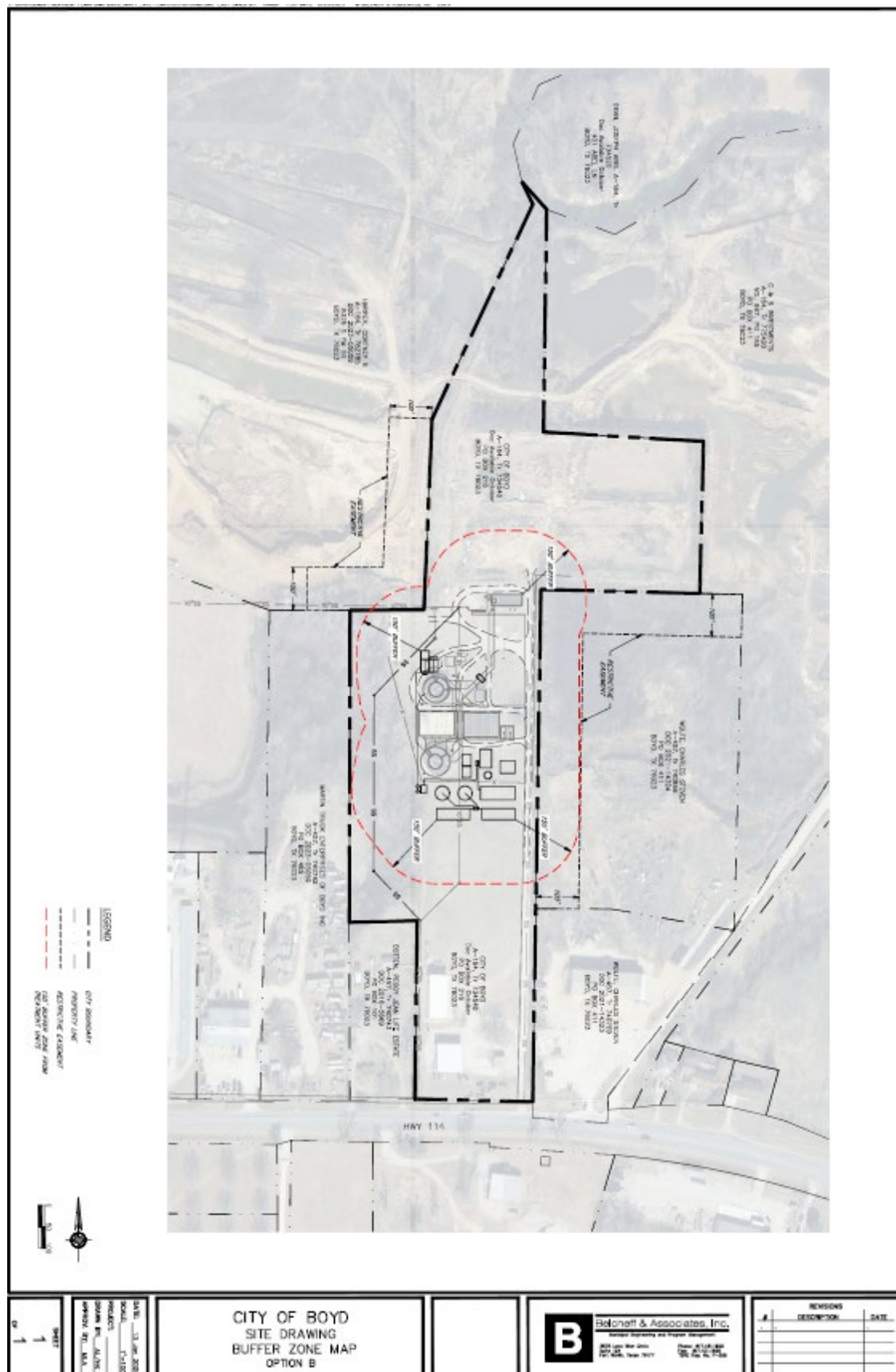
CONTRIBUTING INDUSTRIES AND PRETREATMENT REQUIREMENTS

1. The following pollutants may not be introduced into the treatment facility:
 - a. Pollutants which create a fire or explosion hazard in the publicly owned treatment works (POTW), including, but not limited to, waste streams with a closed-cup flash point of less than 140° Fahrenheit (60° Celsius) using the test methods specified in 40 CFR § 261.21;
 - b. Pollutants which will cause corrosive structural damage to the POTW, but in no case shall there be discharges with a pH lower than 5.0 standard units unless the works are specifically designed to accommodate such discharges;
 - c. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW, resulting in Interference;
 - d. Any pollutant, including oxygen-demanding pollutants (e.g., biochemical oxygen demand), released in a discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW;
 - e. Heat in amounts which will inhibit biological activity in the POTW, resulting in Interference, but in no case shall there be heat in such quantities that the temperature at the POTW treatment plant exceeds 104° Fahrenheit (40° Celsius) unless the Executive Director, upon request of the POTW, approves alternate temperature limits;
 - f. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause Interference or Pass Through;
 - g. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems; and
 - h. Any trucked or hauled pollutants except at discharge points designated by the POTW.
2. The permittee shall require any indirect discharger to the treatment works to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act, including any requirements established under 40 CFR Part 403 [*rev. Federal Register/ Vol. 70/ No. 198/ Friday, October 14, 2005/ Rules and Regulations, pages 60134-60798*].
3. The permittee shall provide adequate notification to the Executive Director, care of the Wastewater Permitting Section (MC 148) of the Water Quality Division, within 30 days subsequent to the permittee's knowledge of either of the following:
 - a. Any new introduction of pollutants into the treatment works from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were directly discharging those pollutants; and
 - b. Any substantial change in the volume or character of pollutants being introduced into the treatment works by a source introducing pollutants into the treatment works at the time of issuance of the permit.

Any notice shall include information on the quality and quantity of effluent to be introduced into the treatment works and any anticipated impact of the change on the quality or quantity of effluent to be discharged from the POTW.

Revised July 2007

Attachment A – Buffer Zone Map
City of Boyd
TPDES Permit No. WQ0010131001



This is a public domestic wastewater treatment facility. The facility does not receive industrial wastewater contributions. This facility is designed to provide adequate disinfection and, when operated properly, should not add to the bacterial impairment of the segment. In addition, in order to ensure that the proposed discharge meets the stream bacterial standard, an effluent limitation of 126 colony-forming units (CFU) or most probable number (MPN) of *Escherichia coli* (*E. coli*) per 100 ml has been added to the draft permit.

SUMMARY OF EFFLUENT DATA

The following is a summary of the applicant's effluent monitoring data for the period May 2023 through May 2025. The average of Daily Average value is computed by the averaging of all 30-day average values for the reporting period for each parameter: flow, five-day biochemical oxygen demand (BOD₅), and total suspended solids (TSS). The average of Daily Average value for *E. coli* CFU or MPN per 100 ml is calculated via geometric mean.

<u>Parameter</u>	<u>Average of Daily Average</u>
Flow, MGD	0.10
BOD ₅ , mg/l	16
TSS, mg/l	32
<i>E. coli</i> , CFU or MPN per 100 ml	51

The applicant confirmed that the noncompliance prior to March 2025 was due to the rehabilitation of the older plant that was out of service since early 2023. That project was completed January 24, 2025 and started operating in February 2025. The violations on the April DMR were due to flooding when water was released from the dam at Lake Bridgeport. Besides, heavy rainfall flooded the west fork of the Trinity River causing significant washout of the plant. Additionally, a power surge disrupted the auto-valve for the chlorine feed system that forced them to bypass it to feed chlorine manually. This resulted in *E. coli* violations but the issue has been resolved and the last *E. coli* on July 2, 2025 was 17.1 MPN/100ml. The applicant has confirmed that their North Plant has been fully rehabilitated but lacks a chlorination system. They are working to have the ability to transfer the disinfection system to run toward the North Plant. When the system is completed, the operation will be switched from the South to the North Plant. This will give them the opportunity to clean and assess the condition of the south plant for repairs. Once repairs are made to the south plant and an additional chlorinator system is installed, they will be able to run both plants simultaneously.

DRAFT PERMIT CONDITIONS

The draft permit authorizes a discharge of treated domestic wastewater at an Interim I volume not to exceed a daily average flow of 0.24 MGD, an Interim II volume not to exceed a daily average flow of 0.48 MGD, and a Final volume not to exceed a daily average flow of 0.98 MGD.

The effluent limitations in the Interim I phase of the draft permit, based on a 30-day average, are 20 mg/l BOD₅, 20 mg/l TSS, 12 mg/l ammonia-nitrogen (NH₃-N), 126 CFU or MPN of *E. coli* per 100 ml, and 2.0 mg/l minimum dissolved oxygen (DO). The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes based on peak flow.

The effluent limitations in the Interim II phase and Final phase of the draft permit, based on a 30-day average, are 10 mg/l five-day carbonaceous biochemical oxygen demand (CBOD₅), 15 mg/l TSS, 3 mg/l NH₃-N, 126 CFU or MPN of *E. coli* per 100 ml and 4.0 mg/l minimum DO. The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes based on peak flow.

For the Final phase of the draft permit, the permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual.

Prior to construction of the Interim II phase and Final phase, the permittee shall submit sufficient evidence of legal restrictions prohibiting residential structures within the part of the buffer zone not owned by the permittee according to 30 TAC § 309.13(e)(3). The evidence of legal restrictions shall be submitted to the Executive Director in care of the TCEQ Wastewater Permitting Section (MC 148). The permittee shall comply with the requirements of 30 TAC § 309.13(a) through (d). (See Attachment A.)

The facility does not appear to receive significant industrial wastewater contributions. Permit requirements for pretreatment are based on TPDES regulations contained in 30 TAC Chapter 305, which references 40 Code of Federal Regulations (CFR) Part 403, "General Pretreatment Regulations for Existing and New Sources of Pollution" [*rev. Federal Register/ Vol. 70/ No. 198/ Friday, October 14, 2005/ Rules and Regulations, pages 60134-60798*]. The permit includes specific requirements that establish responsibilities of local government, industry, and the public to implement the standards to control pollutants which pass through or interfere with treatment processes in publicly owned treatment works or which may contaminate the sewage sludge. This permit has appropriate pretreatment language for a facility of this size and complexity.

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal, and Transportation. Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at a TCEQ-permitted landfill, Itasca Landfill, Permit No. 241D, in Hill County. The draft permit also authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

SUMMARY OF CHANGES FROM APPLICATION

The applicant requested a major amendment with renewal of the existing permit and the existing permit does not include effluent limit for NH₃-N. However, the effluent limit of 12 mg/l NH₃-N has been added in the Interim I phase of the draft permit.

The applicant requested effluent limitations in the Interim II and Final phase, based on a 30-day average, of 20 mg/l BOD₅, 20 mg/l TSS, and 2.0 mg/l minimum DO. However, effluent limitations in the Interim II and Final phase of the draft permit, based on a 30-day average, are 10 mg/l (CBOD₅, 15 mg/l TSS, 3 mg/l NH₃-N, and 4.0 mg/l minimum DO.

SUMMARY OF CHANGES FROM EXISTING PERMIT

Effluent limitations and monitoring requirements in the Interim I phase of the draft permit has been revised. An Interim II phase with a daily average flow of 0.48 MGD and a Final phase with a daily average flow of 0.98 MGD were included in the draft permit.

The Standard Permit Conditions, Sludge Provisions, and Other Requirements sections of the draft permit have been updated. Pretreatment requirements have been continued in the draft permit.

The existing permit authorizes a daily average flow not to exceed 0.24 MGD. The draft permit authorizes a daily average flow not to exceed 0.24 MGD in the Interim I phase, 0.48 MGD in the Interim II phase, and 0.98 MGD in the Final phase. The permittee is currently operating in the 0.24 MGD phase.

The effluent limitations in the existing permit, based on a 30 day average, are 20 mg/l BOD₅, 20 mg/l TSS, 126 CFU or MPN of *E. coli* per 100 ml, and 2.0 mg/l minimum DO.

The effluent limitations in the Interim I phase of the draft permit, based on a 30-day average, are 20 mg/l BOD₅, 20 mg/l TSS, 12 mg/l ammonia-nitrogen (NH₃-N), 126 CFU or MPN of *E. coli* per 100 ml, and 2.0 mg/l minimum dissolved oxygen (DO). The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes based on peak flow. The effluent limitations in the Interim II phase and Final phase of the draft permit, based on a 30-day average, are 10 mg/l five-day carbonaceous biochemical oxygen demand (CBOD₅), 15 mg/l TSS, 3 mg/l NH₃-N, 126 CFU or MPN of *E. coli* per 100 ml and 4.0 mg/l minimum DO. The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes based on peak flow. For the Final phase of the draft permit, the permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual.

Other Requirement (O.R.) No. 3 and 5 in the existing have been updated in the draft permit.

O.R. Nos. 6, 7, and 8 have been added to the draft permit.

For Publicly Owned Treatment Works (POTWs), effective December 21, 2025, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

Certain accidental discharges or spills of treated or untreated wastewater from wastewater treatment facilities or collection systems owned or operated by a local government may be reported on a monthly basis in accordance with 30 TAC § 305.132.

The draft permit includes all updates based on the 30 TAC § 312 rule change effective April 23, 2020.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on October 3, 2024, and additional information received on July 23, 2025.
2. TPDES Permit No. WQ0010131001 issued on December 23, 2021.
3. The effluent limitations and conditions in the draft permit comply with EPA-approved portions of the 2018 Texas Surface Water Quality Standards (TSWQS), 30 TAC §§ 307.1 - 307.10, effective March 1, 2018; 2014 TSWQS, effective March 6, 2014; 2010 TSWQS, effective July 22, 2010; and 2000 TSWQS, effective July 26, 2000.
4. The effluent limitations in the draft permit meet the requirements for secondary treatment and the requirements for disinfection according to 30 TAC Chapter 309, Subchapter A: Effluent Limitations.
5. Interoffice Memoranda from the Water Quality Assessment Section of the TCEQ Water Quality Division. Interoffice Memorandum from the Pretreatment Team of the TCEQ Water Quality Division.
6. Consistency with the Coastal Management Plan: The facility is not located in the Coastal Management Program boundary.

7. *Procedures to Implement the Texas Surface Water Quality Standards (IP)*, Texas Commission on Environmental Quality, June 2010, as approved by EPA, and the IP, January 2003, for portions of the 2010 IP not approved by EPA.
8. Texas 2022 Clean Water Act Section 303(d) List, Texas Commission on Environmental Quality, June 1, 2022; approved by the U.S. Environmental Protection Agency on July 7, 2022.
9. Texas Natural Resource Conservation Commission, Guidance Document for Establishing Monitoring Frequencies for Domestic and Industrial Wastewater Discharge Permits, Document No. 98-001.000-OWR-WQ, May 1998.

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 review 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.

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

City of Boyd
TPDES Permit No. WQ0010131001
Statement of Basis/Technical Summary and Executive Director's Preliminary Decision

comments or prepare its own response.

For additional information about this application, contact Sujata Sinha at (512) 239-1963.

Sujata Sinha

Sujata Sinha
Municipal Permits Team
Wastewater Permitting Section (MC 148)

7/30/2025

Date



**WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL
APPLICATION**

**TPDES PERMIT NO. WQ0010131-001
EPA ID NO. TX0022632**

October 2024

**Prepared by:
3575 Lone Star Circle, Suite. 124
Fort Worth, Texas 76177
TBPE Reg. No. F-368
817-431-1800 Fax 817-431-1850**

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION**

TPDES PERMIT NO. WQ0010131-001

10/4/2024

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3. Supplemental Permit Information Form (SPIF)
4. Core Data Form
5. Public Involvement Plan Form
6. Technical Report 1.0
7. Technical Report 1.1
8. Worksheet 2.0
9. Worksheet 6.0
10. Plain Language Summary Form 20972

Attachments

1. Original USGS Map(s)
2. Landowner Map(s)
3. Buffer Zone Map
4. Flow Diagram
5. Site Drawing
6. Original Photographs
7. Design Calculations
8. Solids Management Plan
9. Wind Rose

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Exhibit 1.
Payment Submittal Form (copy) and Application Checklist**



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: **City of Boyd**

PERMIT NUMBER (If new, leave blank): WQ00 **WQ0010131001**

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPIF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public Involvement Plan Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Site Drawing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original Photographs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Design Calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Balance	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 6.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Exhibit 2.
Administrative Report 1.0**



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: **City of Boyd**

PERMIT NUMBER (If new, leave blank): WQ00 **WQ0010131001**

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPIF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public Involvement Plan Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Site Drawing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original Photographs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Design Calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Worksheet 3.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Balance	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 6.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT 1.0**

For any questions about this form, please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 26)

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input checked="" type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number:

Check/Money Order Amount:

Name Printed on Check:

EPAY Voucher Number:

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

a. Check the box next to the appropriate authorization type.

- ☒ Publicly-Owned Domestic Wastewater
- ☐ Privately-Owned Domestic Wastewater
- ☐ Conventional Wastewater Treatment

b. Check the box next to the appropriate facility status.

- ☒ Active ☐ Inactive

c. Check the box next to the appropriate permit type.

- ☒ TPDES Permit
☐ TLAP
☐ TPDES Permit with TLAP component
☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

- | | |
|---|---|
| <input type="checkbox"/> New | |
| <input checked="" type="checkbox"/> Major Amendment <u>with</u> Renewal | <input type="checkbox"/> Minor Amendment <u>with</u> Renewal |
| <input type="checkbox"/> Major Amendment <u>without</u> Renewal | <input type="checkbox"/> Minor Amendment <u>without</u> Renewal |
| <input type="checkbox"/> Renewal without changes | <input type="checkbox"/> Minor Modification of permit |

e. For amendments or modifications, describe the proposed changes: Expand existing 0.24 MGD plant to 0.96 MGD plant in two phases.

f. For existing permits:

Permit Number: WQ00 10131001

EPA I.D. (TPDES only): TX 0022632

Expiration Date: 12/23/2026

Section 3. Facility Owner (Applicant) and Co-Applclicant Information (Instructions Page 26)

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

City of Boyd

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?
You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: **600734487**

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Mr.

Last Name, First Name: Taylor, Dwayne

Title: City Administrator

Credential: N/A

B. **Co-applicant information.** Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

N/A

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the

legal documents forming the entity.)

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at: <http://www15.tceq.texas.gov/crpub/>

CN: Click to enter text.

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Click to enter text.

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. Exhibit 4. Core Data Form

Section 4. Application Contact Information (Instructions Page 27)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

A. Prefix: Mr.

Last Name, First Name: Taylor, Dwayne

Title: City Administrator

Credential: N/A

Organization Name: City of Boyd

Mailing Address: PO Box 216

City, State, Zip Code: Boyd, TX 76023

Phone No.: 940-433-8400

E-mail Address: wtaylor@cityofboyd.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr.

Last Name, First Name: Boitsov, Roman

Title: City Engineer

Credential: P.E.

Organization Name: Belcheff & Associates, Inc.

Mailing Address: 3575 Lone Star Cir

City, State, Zip Code: Fort Worth, TX 76177

Phone No.: 817-431-1800

E-mail Address: rboitsov@belcheff.com

Check one or both: ☐ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

A. Prefix: Mr.

Last Name, First Name: Taylor, Dwayne

Title: City Administrator

Credential: N/A

Organization Name: City of Boyd

Mailing Address: PO Box 216

City, State, Zip Code: Boyd, TX 76023

Phone No.: 940-433-8400

E-mail Address: wtaylor@cityofboyd.com

B. Prefix: Mr.

Last Name, First Name: Boitsov, Roman

Title: City Engineer

Credential: P.E.

Organization Name: Belcheff & Associates, Inc.

Mailing Address: 3575 Lone Star Cir

City, State, Zip Code: Fort Worth, TX 76177

Phone No.: 817-431-1800

E-mail Address: rboitsov@belcheff.com

Section 6. Billing Contact Information (Instructions Page 27)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to 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 (using form TCEQ-20029).

Prefix: Mr.

Last Name, First Name: Taylor, Dwayne

Title: City Administrator

Credential: N/A

Organization Name: City of Boyd

Mailing Address: PO Box 216

City, State, Zip Code: Boyd, TX 76023

Phone No.: 940-433-8400

E-mail Address: wtaylor@cityofboyd.com

Section 7. DMR/MER Contact Information (Instructions Page 27)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (DMR) (EPA 3320-1) or maintain Monthly Effluent Reports (MER).

Prefix: Mr.

Last Name, First Name: Taylor, Dwayne

Title: City Administrator

Credential: N/A

Organization Name: City of Boyd

Mailing Address: PO Box 216

City, State, Zip Code: Boyd, TX 76023

Phone No.: 940-433-8400

E-mail Address: wtaylor@cityofboyd.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms.

Last Name, First Name: Dast, Sherrie

Title: City Secretary

Credential: N/A

Organization Name: City of Boyd

Mailing Address: PO Box 216

City, State, Zip Code: Boyd, TX 76023

Phone No.: 940-433-5166

E-mail Address: sdast@cityofboyd.com

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

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☒ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr.

Last Name, First Name: Taylor, Dwayne

Title: City Administrator

Credential: N/A

Organization Name: City of Boyd

Mailing Address: PO Box 216

City, State, Zip Code: Boyd, TX 76023

Phone No.: 940-433-8400

E-mail Address: wtaylor@cityofboyd.com

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: Boyd City Hall

Location within the building: Lobby

Physical Address of Building: 100 E. Rock Island Ave.

City: Boyd

County: Wise

Contact (Last Name, First Name): Taylor, Dwayne

Phone No.: 940-433-8400 Ext.: N/A

E. Bilingual Notice Requirements

This information is required for new, major amendment, minor amendment or minor modification, and renewal applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the 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?

☐ Yes ☒ No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

☐ Yes ☐ No

3. Do the students at these schools attend a bilingual education program at another location?

☐ Yes ☐ No

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)?

☐ Yes ☐ No

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? [Click to enter text.](#)

F. Plain Language Summary Template

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

Attachment: [Click to enter text.](#)

G. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

Attachment: [Click to enter text.](#)

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 101721652

Search the TCEQ's Central Registry at <http://www15.tceq.texas.gov/crpub/> to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

City of Boyd Wastewater Treatment Facility

C. Owner of treatment facility: City of Boyd

Ownership of Facility: ☒ Public ☐ Private ☐ Both ☐ Federal

D. Owner of land where treatment facility is or will be:

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: City of Boyd

Mailing Address: PO Box 216

City, State, Zip Code: Boyd, TX 76023

Phone No.: 940-433-8400

E-mail Address: wtaylor@cityofboyd.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

E. Owner of effluent disposal site:

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?

☒ Yes ☐ No

If **no**, or a new permit application, please give an accurate description:

N/A

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

☒ Yes ☐ No

If **no**, or a new or amendment permit application, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

N/A

City nearest the outfall(s): Boyd

County in which the outfalls(s) is/are located: Wise

C. 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:

- ☐ Authorization granted ☐ Authorization pending

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: [Click to enter text.](#)

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: N/A

Section 11. TLAP Disposal Information (Instructions Page 32)

- A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

☐ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the disposal site location:

N/A

- B. City nearest the disposal site: N/A

- C. County in which the disposal site is located: N/A

- D. For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

N/A

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: N/A

Section 12. Miscellaneous Information (Instructions Page 32)

- A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

- B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☒ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

N/A

C. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: [Click to enter text.](#)

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If **yes**, provide the following information:

Account number: N/A

Amount past due: N/A

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If **yes**, please provide the following information:

Enforcement order number: N/A

Amount past due: N/A

Section 13. Attachments (Instructions Page 33)

Indicate which attachments are included with the Administrative Report. Check all that apply:

☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

☒ Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify: See Table of Contents

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010132001

Applicant: City of Boyd

Certification:

I 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.

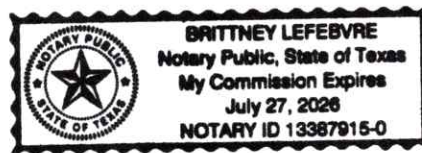
Signatory name (typed or printed): Dwayne Taylor

Signatory title: City Administrator

Signature:  Date: 10-2-24
(Use blue ink)

Subscribed and Sworn to before me by the said William D. Taylor
on this 2nd day of October, 2024.
My commission expires on the 27th day of July, 2026.


Notary Public



[SEAL]

Wise
County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- ☒ The applicant's property boundaries
 - ☒ 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).)
 - ☒ 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
 - ☐ 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 (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - ☐ The property boundaries of all landowners surrounding the effluent disposal site
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding 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 (for example, sludge surface disposal site or sludge monofill) is located
- B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. Indicate by a check mark in which format the landowners list is submitted:
- ☐ USB Drive
 - ☒ Four sets of labels
- D. Provide the source of the landowners' names and mailing addresses: Wise County Appraisal District
- 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.

Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

- ☒ 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

Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- ☐ Ownership
- ☒ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

- ☒ Yes
- ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

Attachment: Exhibit 3. Supplemental Permit Information Form

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- **Do Not mail this form with the application form.**
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, Texas 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, Texas 78753

Fee Code: WQP **Waste Permit No:** [Click to enter text.](#)

1. Check or Money Order Number: [Click to enter text.](#)
2. Check or Money Order Amount: [Click to enter text.](#)
3. Date of Check or Money Order: [Click to enter text.](#)
4. Name on Check or Money Order: City of Boyd
5. APPLICATION INFORMATION

Name of Project or Site: City of Boyd WWTP

Physical Address of Project or Site: 2,200 feet northeast of the intersection of FM 730 and SH 114 in the City of Boyd, Wise County, Texas.

If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., Miss): [Click to enter text.](#)

Full legal name (Last Name, First Name, Middle Initial): [Click to enter text.](#)

Driver's License or State Identification Number: [Click to enter text.](#)

Date of Birth: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#) Fax Number: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

CN: [Click to enter text.](#)

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of domestic wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate by checking Yes that each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until the items below have been addressed.

Core Data Form (TCEQ Form No. 10400) ☒ Yes
(Required for all application types. Must be completed in its entirety and signed.
Note: Form may be signed by applicant representative.)

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☒ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
(Full-size map if seeking "New" permit.
8 ½ x 11 acceptable for Renewals and Amendments)

Current/Non-Expired, Executed Lease Agreement or Easement ☐ N/A ☐ Yes

Landowners Map ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Cross Reference List ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Landowners Labels or USB Drive attached ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Original signature per 30 TAC § 305.44 - Blue Ink Preferred ☒ Yes
(If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)

Plain Language Summary ☒ Yes

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Exhibit 3.
Supplemental Permit Information Form (SPIF)**

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.

Do not refer to your response to any item in the permit application form. Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: City of Boyd

Permit No. WQ00 10131001

EPA ID No. TX 0022632

Address of the project (or a location description that includes street/highway, city/vicinity, and county):

Boyd Wastewater Treatment Facility is located approximately 2,200 feet northeast of the intersection of FM 730 and SH 114 in the City of Boyd, Wise County, Texas.

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Dwayne Taylor

Credential (P.E, P.G., Ph.D., etc.): N/A

Title: City Administrator

Mailing Address: PO Box 216

City, State, Zip Code: Boyd, TX 76023

Phone No.: 940-433-8400 Ext.: N/A Fax No.: 940-433-8241

E-mail Address: wtaylor@cityofboyd.com

2. List the county in which the facility is located: Wise
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

N/A

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

The effluent is discharged to West Fork Trinity River below Bridgeport Reservoir in Segment 0810 of Trinity River Basin.

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property.

Does your project involve any of the following? Check all that apply.

- ☐ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☐ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

1. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

N/A

2. Describe existing disturbances, vegetation, and land use:

No existing disturbances. Existing vegetation includes native grasses and trees (bluestem, Texas wintergrass, buffalo grass, cedar, elms, post oaks, and mesquites. Primary existing land use is pastureland and rangeland.

THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

3. List construction dates of all buildings and structures on the property:

North plant, lift station, old sludge beds, blower building, EO basin were built in 1982. South plant, new sludge beds, control building, influent screen structure were built in 2002.

4. Provide a brief history of the property, and name of the architect/builder, if known.

Sold by Sybil nTodd to City of Boyd in 1981. Used for grazing prior to that.

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Exhibit 4.
Core Data Form**



TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input checked="" type="checkbox"/> Other Amendment
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 600734487		RN 101721652

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		4/30/2024	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) <i>If new Customer, enter previous Customer below:</i>					
City of Boyd					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits) 75-1246763	10. DUNS Number (if applicable)
11. Type of Customer:		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
12. Number of Employees				13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:	P.O. Box 216				
	City	Boyd	State	TX	ZIP 76023 ZIP + 4
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				wtaylor@cityofboyd.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

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

City of Boyd Wastewater Treatment Facility

23. Street Address of the Regulated Entity:

(No PO Boxes)

No Physical Address

City

State

ZIP

ZIP + 4

24. County

Wise

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:

2,200 ft northeast of the intersection of FM 730 and SH 114. From FM 730 go east 0.4 miles on HWY 114 past Boyd Police Department first private drive on left.

26. Nearest City

State

Nearest ZIP Code

Boyd

TX

76023

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:

33.08111

28. Longitude (W) In Decimal:

97.55139

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

33

4

52

97

33

5

29. Primary SIC Code

(4 digits)

30. Secondary SIC Code

(4 digits)

31. Primary NAICS Code

(5 or 6 digits)

32. Secondary NAICS Code

(5 or 6 digits)

4952

221320

33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)

Public Domestic Wastewater Treatment

34. Mailing Address:

P.O. Box 216

City

Boyd

State

TX

ZIP

76023

ZIP + 4

35. E-Mail Address:

wtaylor@cityofboyd.com

36. Telephone Number

37. Extension or Code

38. Fax Number (if applicable)

(940) 433-8400

(940) 433-8241

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
	WQ0010132001			

SECTION IV: Preparer Information

40. Name:	Roman Boitsov, P.E.		41. Title:	City Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(817) 431-1800		(817) 431-1850	rboitsov@belcheff.com	

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	City of Boyd	Job Title:	Director of Public Services	
Name (In Print):	Dwayne Taylor	Phone:	(940) 433- 8400	
Signature:		Date:		

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Exhibit 5.
Public Involvement Plan Form**



Texas Commission on Environmental Quality

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, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

Requires public notice,

Considered to have significant public interest, and

Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**If all the above boxes are not checked, a Public Involvement Plan is not necessary.
Stop after Section 2 and submit the form.**

Public Involvement Plan not applicable to this application. Provide **brief** explanation.

Section 3. Application Information

Type of Application (check all that apply):

Air Initial Federal Amendment Standard Permit Title V
Waste Municipal Solid Waste Industrial and Hazardous Waste Scrap Tire
Radioactive Material Licensing Underground Injection Control

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

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.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

(City)

(County)

(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
- (b) Per capita income for population near the specified location
- (c) Percent of minority population and percent of population by race within the specified location
- (d) Percent of Linguistically Isolated Households by language within the specified location
- (e) Languages commonly spoken in area by percentage
- (f) Community and/or Stakeholder Groups
- (g) Historic public interest or involvement

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.

If yes, how will you provide notice in alternative languages?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

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)

Section 7. Voluntary Submittal

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?

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)

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Exhibit 6.
Technical Report 1.0**



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

For any questions about this form, please contact the Domestic Wastewater Permitting Team at 512-239-4671.

The following information is required for all renewal, new, and amendment applications.

Section 1. Permitted or Proposed Flows (Instructions Page 43)

A. Existing/Interim I Phase

Design Flow (MGD): 0.24

2-Hr Peak Flow (MGD): 0.72

Estimated construction start date: Fall 2008

Estimated waste disposal start date: Fall 2011

B. Interim II Phase

Design Flow (MGD): 0.48

2-Hr Peak Flow (MGD): 1.584

Estimated construction start date: 1/1/2025

Estimated waste disposal start date: 10/1/2025

C. Final Phase

Design Flow (MGD): 0.98

2-Hr Peak Flow (MGD): 3.23

Estimated construction start date: 6/1/2026

Estimated waste disposal start date: 6/1/2027

D. Current Operating Phase

Provide the startup date of the facility: Fall 2011

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and

finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed, a description of *each phase* must be provided.**

Existing/Interim I Phase: Activated sludge plant operated in extended aeration mode. Treatment units include (1) influent mechanical bar screen, (1) equalization basin, (2)-parallel aeration basins, (2)-parallel final clarifiers, and (2)-parallel chlorine contact basins. Solids from final clarifiers are pumped to (2) parallel aerobic sludge digesters. Digested sludge then pumped to sludge drying beds and/or dewatering sludge boxes. Dried sludge hauled by truck to designated landfill.

Interim II Phase: Activated sludge plant operated in conventional aeration mode. Treatment units include (1) influent mechanical bar screen, (1) equalization basin, (2)-parallel aeration basins, (2)-parallel final clarifiers, and (2)-parallel chlorine contact basins. Solids from final clarifiers are pumped to (4) parallel aerobic sludge digesters. Digested sludge then pumped to sludge drying beds or a dewatering building. Dried sludge hauled by truck to designated landfill.

Final Phase: Activated sludge plant operated in conventional aeration mode. Treatment units include (2) influent mechanical bar screens, (2) equalization basins, (4)-parallel aeration basins, (4)-parallel final clarifiers, and (4)-parallel chlorine contact basins. Solids from final clarifiers are pumped to (6) parallel aerobic sludge digesters. Digested sludge then pumped to sludge drying beds or dewatering sludge press building. Dried sludge hauled by truck to designated landfill.

B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) of each treatment unit, accounting for ***all*** phases of operation.

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions
Interim I/Existing Phase		0.24 MGD
Outer Ring Diameter-Plant 1		64'-6"
Inner Ring Diameter-Plant 1		32'-0"
Outer Ring Diameter-Plant 2		62'-0"
Inner Ring Diameter-Plant 2		32'-0"
Wall Height-Plants 1 & 2		11'-0"
Mechanical Screen	1	20' X 16" X 27"
Aerobic Digester-Plant 1	1	16.25' X 80° X 9'-6"
Aeration Basin-Plant 1	1	16.25' X 285° X 9'-6"
Clarifier-Plant 1 (Ch 317)	1	32' ID X 8' SWD
Chlorine Contact-Plant 1	1	16.25' X 15° X 8' SWD
Aerobic Digester-Plant 2	1	15' X 80° X 9'-6"
Aeration Basin-Plant 2	1	15' X 267° X 9'-6"
Clarifier-Plant 2 (Ch 217)	1	32' ID X 9'-6" SWD

Treatment Unit Type	Number of Units	Dimensions
Chlorine Contact-Plant 2	1	16.25' X 13' X 8' SWD
Interim II Phase		0.48 MGD
Outer Ring Diameter-Plant 1		64'-6"
Inner Ring Diameter-Plant 1		32'-0"
Outer Ring Diameter-Plant 2		62'-0"
Inner Ring Diameter-Plant 2		32'-0"
Wall Height-Plants 1 & 2		11'-0"
Mechanical Screen	1	20' X 16" X 27"
Aerobic Digester-Plant 1	1	16.25' X 95' X 9'-6"
Aeration Basin-Plant 1	1	16.25' X 285' X 9'-6"
Clarifier-Plant 1 (Ch 317)	1	32' ID X 8' SWD
Aerobic Digester-Plant 2	1	15' X 93' X 9'-6"
Aeration Basin-Plant 2	1	15' X 267' X 9'-6"
Clarifier-Plant 2 (Ch 217)	1	32' ID X 9'-6" SWD
Chlorine Contact-Plants 1 & 2	2	10' X 30' X 7' SWD
Aerobic Digester-Plants 1 & 2	2	28' Diameter X 10' SWD
Final Phase - Same as Interim II But With The Following Additional Units		0.98 MGD
Outer Ring Diameter		68'-0"
Inner Ring Diameter		33'-0"
Wall Height		16'-6"
Mechanical Screen	1	20' X 16" X 27"
Aerobic Digester	4	17.50' X 56' X 14.83
Aeration Basin	2	17.50' X 248' X 14'-10"
Clarifier 3 & 4	2	33' ID X 12' SWD
Chlorine Contact 3 & 4	2	10' X 30' X 7' SWD

C. Process Flow Diagram

Provide flow diagrams for the existing facilities and **each** proposed phase of construction.

Attachment: Attachment 4. Flow Diagrams

Section 3. Site Information and Drawing (Instructions Page 44)

Provide the TPDES discharge outfall latitude and longitude. Enter N/A if not applicable.

- Latitude: 33° 4' 58" N
- Longitude: 97° 33' 5" W

Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

- Latitude: N/A
- Longitude: N/A

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

Attachment: Attachment 5. Site Drawing

Provide the name **and** a description of the area served by the treatment facility.

Boyd city limits and ETJ.

Collection System Information **for wastewater TPDES permits only:** Provide information for each **uniquely owned** collection system, existing and new, served by this facility, including satellite collection systems. **Please see the instructions for a detailed explanation and examples.**

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
Boyd Collection System	City of Boyd	Publicly Owned	5,000
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

☐ Yes ☒ No

If yes, does the existing permit contain a phase that has not been constructed **within five years** of being authorized by the TCEQ?

☐ Yes ☐ No

If yes, provide a detailed discussion regarding the continued need for the unbuilt phase. Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases.

N/A

Section 5. Closure Plans (Instructions Page 45)

Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?

☐ Yes ☒ No

If yes, was a closure plan submitted to the TCEQ?

☐ Yes ☐ No

If yes, provide a brief description of the closure and the date of plan approval.

N/A

Section 6. Permit Specific Requirements (Instructions Page 45)

For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.

A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

☐ Yes ☒ No

If yes, provide the date(s) of approval for each phase: [Click to enter text.](#)

Provide information, including dates, on any actions taken to meet a *requirement or provision* pertaining to the submission of a summary transmittal letter. **Provide a copy of an approval letter from the TCEQ, if applicable.**

Click to enter text.

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.

Requirements met for Phase I. Phase II and III will require easements from adjacent property to east.

C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

☐ Yes ☒ No

If **yes**, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

Click to enter text.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

☐ Yes ☒ No

If **No**, stop here and continue with Subsection E. Stormwater Management.

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment

works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

N/A

3. *Grit disposal*

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

☐ Yes ☐ No

If No, contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

N/A

4. *Grease and decanted liquid disposal*

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-2335.

Describe how the decant and grease are treated and disposed of after grit separation.

N/A

E. Stormwater management

1. *Applicability*

Does the facility have a design flow of 1.0 MGD or greater in any phase?

☐ Yes ☒ No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

☐ Yes ☒ No

If no to both of the above, then skip to Subsection F, Other Wastes Received.

2. MSGP coverage

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

☐ Yes ☐ No

If yes, please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:

TXR05 [Click to enter text.](#) or TXRNE [Click to enter text.](#)

If no, do you intend to seek coverage under TXR050000?

☐ Yes ☐ No

3. Conditional exclusion

Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?

☐ Yes ☐ No

If yes, please explain below then proceed to Subsection F, Other Wastes Received:

[Click to enter text.](#)

4. Existing coverage in individual permit

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

☐ Yes ☐ No

If yes, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

[Click to enter text.](#)

5. Zero stormwater discharge

Do you intend to have no discharge of stormwater via use of evaporation or other means?

☐ Yes ☐ No

If yes, explain below then skip to Subsection F. Other Wastes Received.

[Click to enter text.](#)

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. Request for coverage in individual permit

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

☐ Yes ☐ No

If **yes**, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

[Click to enter text.](#)

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.

[Click to enter text.](#)

G. Other wastes received including sludge from other WWTPs and septic waste

1. Acceptance of sludge from other WWTPs

Does or will the facility accept sludge from other treatment plants at the facility site?

☐ Yes ☒ No

If yes, attach sewage sludge solids management plan. See Example 5 of instructions.

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

If yes, does the facility have a Type V processing unit?

☐ Yes ☐ No

If yes, does the unit have a Municipal Solid Waste permit?

☐ Yes ☐ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

3. Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)

Is or will the facility accept wastes that are not domestic in nature excluding the categories listed above?

☐ Yes ☒ No

If yes, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or

other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

N/A

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

Is the facility in operation?

☒ Yes ☐ No

If **no**, this section is not applicable. Proceed to Section 8.

If **yes**, provide effluent analysis data for the listed pollutants. **Wastewater treatment facilities** complete Table 1.0(2). **Water treatment facilities** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

Note: The sample date must be within 1 year of application submission.

Table 1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, μ mohs/cm, †					

Oil & Grease, mg/l					
Alkalinity (CaCO ₃)*, mg/l					

*TPDES permits only

†TLAP permits only

Table 1.0(3) – Pollutant Analysis for Water Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: William Dwayne Taylor

Facility Operator's License Classification and Level: Operator Level C

Facility Operator's License Number: WW0064766

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☐ Design flow >= 1 MGD
- ☐ Serves >= 10,000 people
- ☐ Class I Sludge Management Facility (per 40 CFR § 503.9)
- ☐ Biosolids generator
- ☐ Biosolids end user – land application (onsite)
- ☐ Biosolids end user – surface disposal (onsite)
- ☐ Biosolids end user – incinerator (onsite)

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting

- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: [Click to enter text.](#)

C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	On-Site Owner or Operator	Bulk		Class B: PSRP Aerobic Digestion	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): [Click to enter text.](#)

D. Disposal site

Disposal site name: [Turkey Creek Landfill](#)

TCEQ permit or registration number: [1417C \(RN100825462\)](#)

County where disposal site is located: [Johnson](#)

E. Transportation method

Method of transportation (truck, train, pipe, other): [Truck](#)

Name of the hauler: Cyclone Services

Hauler registration number: 25816

Sludge is transported as a:

Liquid ☐ semi-liquid ☐ semi-solid ☐ solid ☒

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

A. Beneficial use authorization

Does the existing permit include authorization for land application of sewage sludge for beneficial use?

☐ Yes ☒ No

If **yes**, are you requesting to continue this authorization to land apply sewage sludge for beneficial use?

☐ Yes ☐ No

If **yes**, is the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)** attached to this permit application (see the instructions for details)?

☐ Yes ☐ No

B. Sludge processing authorization

Does the existing permit include authorization for any of the following sludge processing, storage or disposal options?

Sludge Composting	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Marketing and Distribution of sludge	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Sludge Surface Disposal or Sludge Monofill	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Temporary storage in sludge lagoons	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

If **yes** to any of the above sludge options and the applicant is requesting to continue this authorization, is the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)** attached to this permit application?

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

If yes, complete the remainder of this section. If no, proceed to Section 12.

A. Location information

The following maps are required to be submitted as part of the application. For each map, provide the Attachment Number.

- Original General Highway (County) Map:

Attachment: [Click to enter text.](#)

- USDA Natural Resources Conservation Service Soil Map:

Attachment: [Click to enter text.](#)

- Federal Emergency Management Map:

Attachment: [Click to enter text.](#)

- Site map:

Attachment: [Click to enter text.](#)

Discuss in a description if any of the following exist within the lagoon area. Check all that apply.

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands
- ☐ Located less than 60 meters from a fault
- ☐ None of the above

Attachment: [Click to enter text.](#)

If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:

[Click to enter text.](#)

B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in *Section 7 of Technical Report 1.0*.

Nitrate Nitrogen, mg/kg: [Click to enter text.](#)

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: [Click to enter text.](#)

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

Arsenic: [Click to enter text.](#)

Cadmium: [Click to enter text.](#)

Chromium: [Click to enter text.](#)

Copper: [Click to enter text.](#)

Lead: [Click to enter text.](#)

Mercury: [Click to enter text.](#)

Molybdenum: [Click to enter text.](#)

Nickel: [Click to enter text.](#)

Selenium: [Click to enter text.](#)

Zinc: [Click to enter text.](#)

Total PCBs: [Click to enter text.](#)

Provide the following information:

Volume and frequency of sludge to the lagoon(s): [Click to enter text.](#)

Total dry tons stored in the lagoons(s) per 365-day period: [Click to enter text.](#)

Total dry tons stored in the lagoons(s) over the life of the unit: [Click to enter text.](#)

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 1×10^{-7} cm/sec?

☐ Yes ☐ No

If **yes**, describe the liner below. Please note that a liner is required.

[Click to enter text.](#)

D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

[Click to enter text.](#)

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

Attachment: [Click to enter text.](#)

- Copy of the closure plan

Attachment: [Click to enter text.](#)

- Copy of deed recordation for the site

Attachment: [Click to enter text.](#)

- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

Attachment: [Click to enter text.](#)

- Description of the method of controlling infiltration of groundwater and surface water from entering the site

Attachment: [Click to enter text.](#)

- Procedures to prevent the occurrence of nuisance conditions

Attachment: [Click to enter text.](#)

E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

☐ Yes ☐ No

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment: [Click to enter text.](#)

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

☐ Yes ☒ No

If yes, provide the TCEQ authorization number and description of the authorization:

N/A

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

☐ Yes ☒ No

If yes to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

N/A

Section 13. RCRA/CERCLA Wastes (Instructions Page 55)

A. RCRA hazardous wastes

Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?

☐ Yes ☒ No

B. Remediation activity wastewater

Has the facility received in the past three years, does it currently receive, or will it receive CERCLA wastewater, RCRA remediation/corrective action wastewater or other remediation activity wastewater?

☐ Yes ☒ No

C. Details about wastes received

If yes to either Subsection A or B above, provide detailed information concerning these wastes with the application.

Attachment: [Click to enter text.](#)

Section 14. Laboratory Accreditation (Instructions Page 56)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

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

The applicant should review 30 TAC Chapter 25 for specific requirements.

The following certification statement shall be signed and submitted with every application. See the Signature Page section in the Instructions, for a list of designated representatives who may sign the certification.

CERTIFICATION:

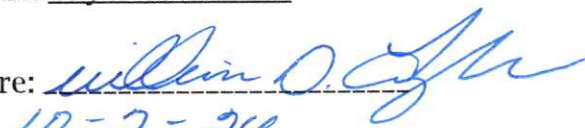
I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Dwayne Taylor

Title: City Administrator

Signature: _____

Date: _____



10-2-24

DOMESTIC WASTEWATER PERMIT APPLICATION

TECHNICAL REPORT 1.1

The following information is required for new and amendment major applications.

Section 1. Justification for Permit (Instructions Page 57)

A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

The City of Boyd is experiencing abnormal growth in both residential and commercial developments. Several new subdivisions in and adjacent to Boyd are requesting water and sewer service from the City. Subsequent phases for the same developments are already under the planning phases. In all, approximately 1,000 new residential connections are being planned in the Boyd area in the next 3-5 years.

B. Regionalization of facilities

For additional guidance, please review [TCEQ's Regionalization Policy for Wastewater Treatment](#)¹.

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

1. Municipally incorporated areas

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

☐ Yes ☐ No ☐ Not Applicable

If yes, within the city limits of: [Click to enter text.](#)

If yes, attach correspondence from the city.

Attachment: [Click to enter text.](#)

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

Attachment: [Click to enter text.](#)

2. Utility CCN areas

Is any portion of the proposed service area located inside another utility's CCN area?

☐ Yes ☒ No

¹ <https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater>

If **yes**, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

Attachment: [Click to enter text.](#)

3. *Nearby WWTPs or collection systems*

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

☐ Yes ☒ No

If **yes**, attach a list of these facilities and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems.

Attachment: [Click to enter text.](#)

If **yes**, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

Attachment: [Click to enter text.](#)

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

Attachment: [Click to enter text.](#)

Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

☒ Yes ☐ No

If **no**, proceed to Item B, Proposed Organic Loading.

If **yes**, provide organic loading information in Item A, Current Organic Loading

A. Current organic loading

Facility Design Flow (flow being requested in application): 0.24 MGD

Average Influent Organic Strength or BOD₅ Concentration in mg/l: 250

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): 500

Provide the source of the average organic strength or BOD₅ concentration.

Single grab sample of influent.

B. Proposed organic loading

This table must be completed if this application is for a facility that is not in operation or if this application is to request an increased flow that will impact organic loading.

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
Municipality		
Subdivision		
Trailer park – transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources		
AVERAGE BOD ₅ from all sources		

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 20

Total Suspended Solids, mg/l: 20

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 2.0

Other: N/A

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 20

Total Suspended Solids, mg/l: 20

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 2.0

Other: N/A

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 20

Total Suspended Solids, mg/l: 20

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 2.0

Other: N/A

D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 1-4 mg/l after 20 minutes detention time at peak flow

Dechlorination process: N/A

☐ Ultraviolet Light: Click to enter text. seconds contact time at peak flow

☐ Other: Click to enter text.

Section 4. Design Calculations (Instructions Page 59)

Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.

Attachment: Attachment 7. Design Calculations

Section 5. Facility Site (Instructions Page 60)

A. 100-year floodplain

Will the proposed facilities be located above the 100-year frequency flood level?

☒ Yes ☐ No

If no, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.

N/A

Provide the source(s) used to determine 100-year frequency flood plain.

FEMA

For a new or expansion of a facility, will a wetland or part of a wetland be filled?

☐ Yes ☒ No

If **yes**, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?

☐ Yes ☐ No

If **yes**, provide the permit number: [Click to enter text.](#)

If **no**, provide the approximate date you anticipate submitting your application to the Corps: [Click to enter text.](#)

B. Wind rose

Attach a wind rose: [Attachment 9. Wind Rose](#)

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

A. Beneficial use authorization

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

☐ Yes ☒ No

If **yes**, attach the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)**: [Click to enter text.](#)

B. Sludge processing authorization

Identify the sludge processing, storage or disposal options that will be conducted at the wastewater treatment facility:

- ☐ Sludge Composting
- ☐ Marketing and Distribution of sludge
- ☐ Sludge Surface Disposal or Sludge Monofill

If **any of the above**, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: [Click to enter text.](#)

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 61)

Attach a solids management plan to the application.

Attachment: [Attachment 8. Solids Management Plans](#)

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities

- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow
- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed to Section 2. If **yes**, provide the following:

Owner of the drinking water supply: [Click to enter text.](#)

Distance and direction to the intake: [Click to enter text.](#)

Attach a USGS map that identifies the location of the intake.

Attachment: [Click to enter text.](#)

Section 2. Discharge into Tidally Affected Waters (Instructions Page 64)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

If **no**, proceed to Section 3. If **yes**, complete the remainder of this section. If no, proceed to Section 3.

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: [Click to enter text.](#)

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from outfall(s).

N/A

C. Sea grasses

Are there any sea grasses within the vicinity of the point of discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s).

N/A

Section 3. Classified Segments (Instructions Page 64)

Is the discharge directly into (or within 300 feet of) a classified segment?

☒ Yes ☐ No

If **yes**, this Worksheet is complete.

If **no**, complete Sections 4 and 5 of this Worksheet.

Section 4. Description of Immediate Receiving Waters (Instructions Page 65)

Name of the immediate receiving waters: [Click to enter text.](#)

A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☐ Stream
- ☐ Freshwater Swamp or Marsh
- ☐ Lake or Pond

Surface area, in acres: [Click to enter text.](#)

Average depth of the entire water body, in feet: [Click to enter text.](#)

Average depth of water body within a 500-foot radius of discharge point, in feet:
[Click to enter text.](#)

- ☐ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify: [Click to enter text.](#)

B. Flow characteristics

If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area *upstream* of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one).

- ☐ Intermittent - dry for at least one week during most years
- ☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
- ☐ Perennial - normally flowing

Check the method used to characterize the area upstream (or downstream for new dischargers).

- ☐ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: [Click to enter text.](#)

C. Downstream perennial confluences

List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.

N/A

D. Downstream characteristics

Do the receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?

☐ Yes ☐ No

If yes, discuss how.

N/A

E. Normal dry weather characteristics

Provide general observations of the water body during normal dry weather conditions.

N/A

Date and time of observation: [Click to enter text.](#)

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☐ No

Section 5. General Characteristics of the Waterbody (Instructions Page 66)

A. Upstream influences

Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.

☐ Oil field activities

☐ Urban runoff

☐ Upstream discharges

☐ Agricultural runoff

☐ Septic tanks

☐ Other(s), specify: [Click to enter text.](#)

B. Waterbody uses

Observed or evidences of the following uses. Check all that apply.

- | | |
|--|--|
| <input type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply |
| <input type="checkbox"/> Park activities | <input type="checkbox"/> Other(s), specify: Click to enter text. |

C. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

- ☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- ☐ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored
- ☐ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid
- ☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

Provide the number of each of the following types of industrial users (IUs) that discharge to your POTW and the daily flows from each user. See the Instructions for definitions of Categorical IUs, Significant IUs - non-categorical, and Other IUs.

If there are no users, enter 0 (zero).

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs - non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

In the past three years, has your POTW experienced treatment plant interference (see instructions)?

☐ Yes ☒ No

If yes, identify the dates, duration, description of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IUs that may have caused the interference.

N/A

C. Treatment plant pass through

In the past three years, has your POTW experienced pass through (see instructions)?

☐ Yes ☒ No

If **yes**, identify the dates, duration, a description of the pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass through event. Include the names of the IUs that may have caused pass through.

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2.c. and 2.d. only, and skip Section 3.

If **no to either question above**, skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 90)

A. Substantial modifications

Have there been any **substantial modifications** to the approved pretreatment program that have not been submitted to the TCEQ for approval according to *40 CFR §403.18*?

☐ Yes ☐ No

If **yes**, identify the modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.

B. Non-substantial modifications

Have there been any **non-substantial modifications** to the approved pretreatment program that have not been submitted to TCEQ for review and acceptance?

☐ Yes ☐ No

If yes, identify all non-substantial modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.

C. Effluent parameters above the MAL

In Table 6.0(1), list all parameters measured above the MAL in the POTW's effluent monitoring during the last three years. Submit an attachment if necessary.

Table 3.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

Has any SIU, CIU, or other IU caused or contributed to any problems (excluding interferences or pass throughs) at your POTW in the past three years?

☐ Yes ☐ No

If **yes**, identify the industry, describe each episode, including dates, duration, description of the problems, and probable pollutants.

Click to enter text.

Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 90)

A. General information

Company Name: [Click to enter text.](#)

SIC Code: [Click to enter text.](#)

Contact name: [Click to enter text.](#)

Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Telephone number: [Click to enter text.](#)

Email address: [Click to enter text.](#)

B. Process information

Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (i.e., process and non-process wastewater).

N/A

C. Product and service information

Provide a description of the principal product(s) or services performed.

N/A

D. Flow rate information

See the Instructions for definitions of “process” and “non-process wastewater.”

Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the instructions?

☐ Yes ☐ No

Is the SIU or CIU subject to categorical pretreatment standards found in *40 CFR Parts 405-471*?

☐ Yes ☐ No

If subject to categorical pretreatment standards, indicate the applicable category and subcategory for each categorical process.

Category: Subcategories: [Click to enter text.](#)

[Click or tap here to enter text.](#) [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

F. Industrial user interruptions

Has the SIU or CIU caused or contributed to any problems (e.g., interferences, pass through, odors, corrosion, blockages) at your POTW in the past three years?

☐ Yes ☐ No

If yes, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

N/A

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Exhibit 7.
Technical Report 1.1**

DOMESTIC WASTEWATER PERMIT APPLICATION

TECHNICAL REPORT 1.1

The following information is required for new and amendment major applications.

Section 1. Justification for Permit (Instructions Page 57)

A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

The City of Boyd is experiencing abnormal growth in both residential and commercial developments. Several new subdivisions in and adjacent to Boyd are requesting water and sewer service from the City. Subsequent phases for the same developments are already under the planning phases. In all, approximately 1,000 new residential connections are being planned in the Boyd area in the next 3-5 years.

B. Regionalization of facilities

For additional guidance, please review [TCEQ's Regionalization Policy for Wastewater Treatment](#)¹.

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

1. Municipally incorporated areas

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

☐ Yes ☐ No ☐ Not Applicable

If yes, within the city limits of: [Click to enter text.](#)

If yes, attach correspondence from the city.

Attachment: [Click to enter text.](#)

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

Attachment: [Click to enter text.](#)

2. Utility CCN areas

Is any portion of the proposed service area located inside another utility's CCN area?

☐ Yes ☒ No

¹ <https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater>

If **yes**, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

Attachment: [Click to enter text.](#)

3. *Nearby WWTPs or collection systems*

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

☐ Yes ☒ No

If **yes**, attach a list of these facilities and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems.

Attachment: [Click to enter text.](#)

If **yes**, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

Attachment: [Click to enter text.](#)

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

Attachment: [Click to enter text.](#)

Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

☒ Yes ☐ No

If **no**, proceed to Item B, Proposed Organic Loading.

If **yes**, provide organic loading information in Item A, Current Organic Loading

A. Current organic loading

Facility Design Flow (flow being requested in application):

Average Influent Organic Strength or BOD₅ Concentration in mg/l:

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): [Click](#)

Provide the source of the average organic strength or BOD₅ concentration.

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Exhibit 8.
Worksheet 2.0**

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed to Section 2. If **yes**, provide the following:

Owner of the drinking water supply: [Click to enter text.](#)

Distance and direction to the intake: [Click to enter text.](#)

Attach a USGS map that identifies the location of the intake.

Attachment: [Click to enter text.](#)

Section 2. Discharge into Tidally Affected Waters (Instructions Page 64)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

If **no**, proceed to Section 3. If **yes**, complete the remainder of this section. If no, proceed to Section 3.

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: [Click to enter text.](#)

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from outfall(s).

N/A

C. Sea grasses

Are there any sea grasses within the vicinity of the point of discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s).

N/A

Section 3. Classified Segments (Instructions Page 64)

Is the discharge directly into (or within 300 feet of) a classified segment?

☒ Yes ☐ No

If **yes**, this Worksheet is complete.

If **no**, complete Sections 4 and 5 of this Worksheet.

Section 4. Description of Immediate Receiving Waters (Instructions Page 65)

Name of the immediate receiving waters: [Click to enter text.](#)

A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☐ Stream
- ☐ Freshwater Swamp or Marsh
- ☐ Lake or Pond

Surface area, in acres: [Click to enter text.](#)

Average depth of the entire water body, in feet: [Click to enter text.](#)

Average depth of water body within a 500-foot radius of discharge point, in feet:
[Click to enter text.](#)

- ☐ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify: [Click to enter text.](#)

B. Flow characteristics

If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area *upstream* of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one).

- ☐ Intermittent - dry for at least one week during most years
- ☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
- ☐ Perennial - normally flowing

Check the method used to characterize the area upstream (or downstream for new dischargers).

- ☐ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: [Click to enter text.](#)

C. Downstream perennial confluences

List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.

N/A

D. Downstream characteristics

Do the receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?

☐ Yes ☐ No

If yes, discuss how.

N/A

E. Normal dry weather characteristics

Provide general observations of the water body during normal dry weather conditions.

N/A

Date and time of observation: [Click to enter text.](#)

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☐ No

Section 5. General Characteristics of the Waterbody (Instructions Page 66)

A. Upstream influences

Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.

- | | |
|---|--|
| <input type="checkbox"/> Oil field activities | <input type="checkbox"/> Urban runoff |
| <input type="checkbox"/> Upstream discharges | <input type="checkbox"/> Agricultural runoff |
| <input type="checkbox"/> Septic tanks | <input type="checkbox"/> Other(s), specify: Click to enter text. |

B. Waterbody uses

Observed or evidences of the following uses. Check all that apply.

- | | |
|--|--|
| <input type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply |
| <input type="checkbox"/> Park activities | <input type="checkbox"/> Other(s), specify: Click to enter text. |

C. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

- ☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- ☐ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored
- ☐ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid
- ☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Exhibit 9.
Worksheet 6.0**

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

Provide the number of each of the following types of industrial users (IUs) that discharge to your POTW and the daily flows from each user. See the Instructions for definitions of Categorical IUs, Significant IUs - non-categorical, and Other IUs.

If there are no users, enter 0 (zero).

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs - non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

In the past three years, has your POTW experienced treatment plant interference (see instructions)?

☐ Yes ☒ No

If yes, identify the dates, duration, description of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IUs that may have caused the interference.

N/A

C. Treatment plant pass through

In the past three years, has your POTW experienced pass through (see instructions)?

☐ Yes ☒ No

If **yes**, identify the dates, duration, a description of the pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass through event. Include the names of the IUs that may have caused pass through.

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2.c. and 2.d. only, and skip Section 3.

If **no to either question above**, skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 90)

A. Substantial modifications

Have there been any **substantial modifications** to the approved pretreatment program that have not been submitted to the TCEQ for approval according to *40 CFR §403.18*?

☐ Yes ☐ No

If **yes**, identify the modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.

B. Non-substantial modifications

Have there been any **non-substantial modifications** to the approved pretreatment program that have not been submitted to TCEQ for review and acceptance?

☐ Yes ☐ No

If yes, identify all non-substantial modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.

C. Effluent parameters above the MAL

In Table 6.0(1), list all parameters measured above the MAL in the POTW's effluent monitoring during the last three years. Submit an attachment if necessary.

Table 3.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

Has any SIU, CIU, or other IU caused or contributed to any problems (excluding interferences or pass throughs) at your POTW in the past three years?

☐ Yes ☐ No

If yes, identify the industry, describe each episode, including dates, duration, description of the problems, and probable pollutants.

Click to enter text.

Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 90)

A. General information

Company Name: [Click to enter text.](#)

SIC Code: [Click to enter text.](#)

Contact name: [Click to enter text.](#)

Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Telephone number: [Click to enter text.](#)

Email address: [Click to enter text.](#)

B. Process information

Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (i.e., process and non-process wastewater).

N/A

C. Product and service information

Provide a description of the principal product(s) or services performed.

N/A

D. Flow rate information

See the Instructions for definitions of “process” and “non-process wastewater.”

Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the instructions?

☐ Yes ☐ No

Is the SIU or CIU subject to categorical pretreatment standards found in *40 CFR Parts 405-471*?

☐ Yes ☐ No

If subject to categorical pretreatment standards, indicate the applicable category and subcategory for each categorical process.

Category: Subcategories: [Click to enter text.](#)

[Click or tap here to enter text.](#) [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

F. Industrial user interruptions

Has the SIU or CIU caused or contributed to any problems (e.g., interferences, pass through, odors, corrosion, blockages) at your POTW in the past three years?

☐ Yes ☐ No

If yes, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

N/A

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Exhibit 10.
Plain Language Summary Form 20972**

Plain Language Summary for Texas Pollutant Discharge Elimination System (TPDES) Permit Amendment Application

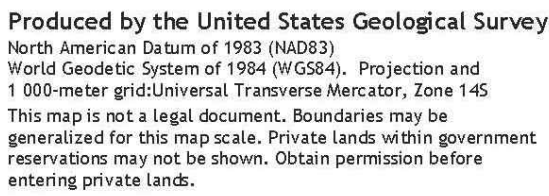
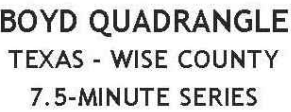
The City of Boyd (CN600734487) operates the City of Boyd Wastewater Treatment Facility RN101721652. It is an activated sludge process plant operated in the complete mix mode. The facility is located at 2,200 feet northeast of the intersection of FM 730 and SH 114, in the City of Boyd, Wise County, Texas 76023.

This application is for an amendment to increase discharge from an annual average flow of 240,000 gallons per day of treated domestic wastewater to 480,000 in Phase 2 and to 980,000 in Final Phase via Outfall 001.

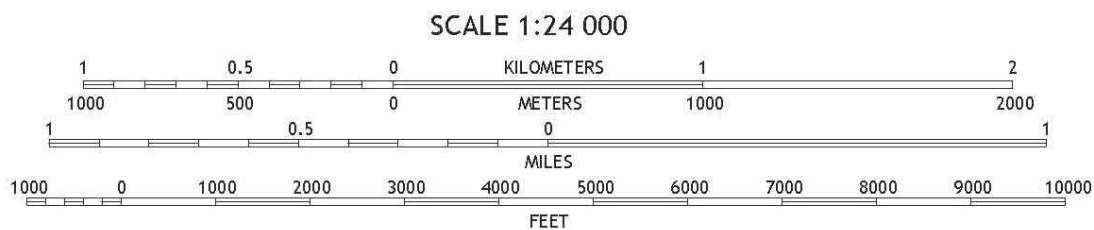
Discharges from the facility are expected to contain five-day biochemical oxygen demand (CBOD₅), total suspended solids (TSS), and *Escherichia coli*. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a mechanical bar screen, aeration basins, final clarifiers, sludge digesters, a sludge dewatering rotary press, sludge dewatering beds, and chlorine contact chambers.

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Attachment 1.
Original USGS Map(s)**

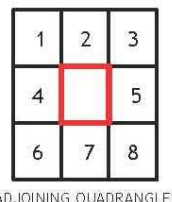


Imagery.....	NAIP, October 2016 - November 2016
Roads.....	U.S. Census Bureau, 2015 - 2018
Names.....	GNIS, 1979 - 2021
Hydrography.....	National Hydrography Dataset, 2003 - 2018
Contours.....	National Elevation Dataset, 2019 - 2021
Boundaries.....	Multiple sources; see metadata file 2019 - 2021
Wetlands.....	FWS National Wetlands Inventory Not Available



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard.



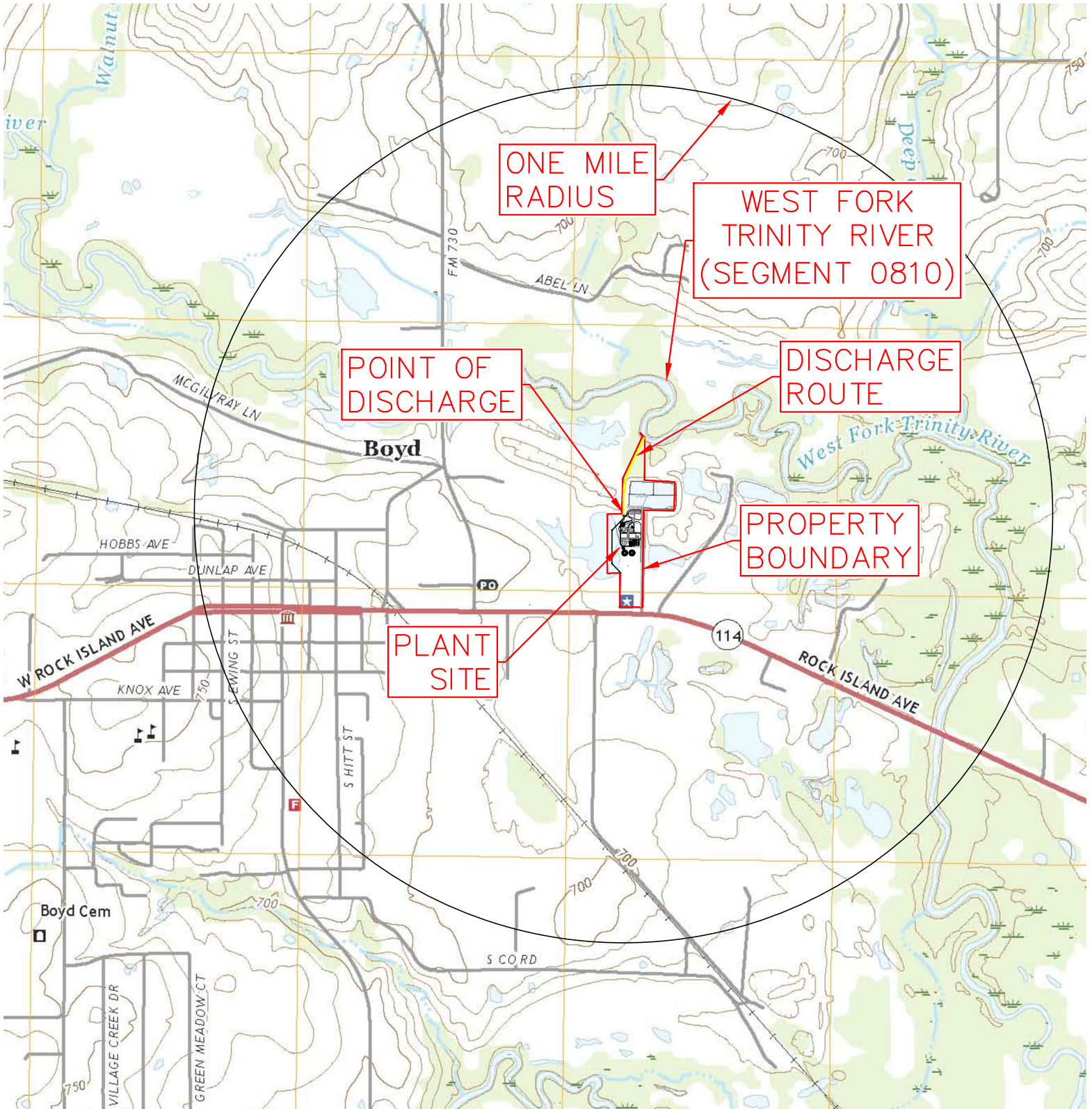
- 1 Bridgeport East
- 2 Decatur
- 3 Bluett
- 4 Cottondale
- 5 Rhome
- 6 Springtown
- 7 Azle
- 8 Avondale

ROAD CLASSIFICATION

Expressway		Local Connector	
Secondary Hwy		Local Road	
Ramp		4WD	

 Interstate Route  US Route  State Route

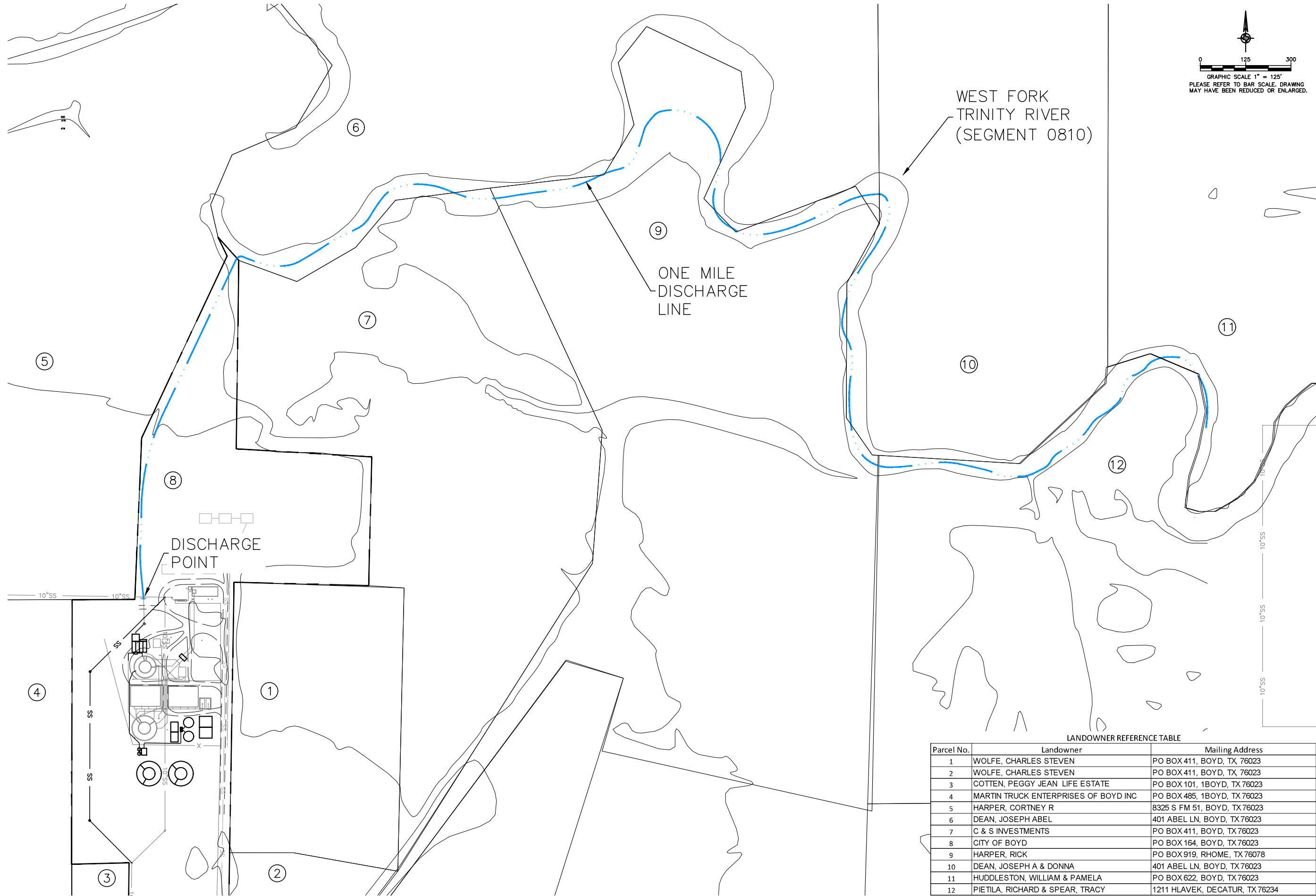
BOYD, TX
2022



**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Attachment 2.
Landowner Map(s)**

P:\BOYD SEWERTREATMENT PLANT\DWG\WWTP_EXPANSION.dwg - HK - 30 SEPT 2024 - © BELCHEFF & ASSOCIATES, INC. 2024



LANDOWNER REFERENCE TABLE		
Parcel No.	Landowner	Mailing Address
1	WOLFE, CHARLES STEVEN	PO BOX 411, BOYD, TX, 76023
2	WOLFE, CHARLES STEVEN	PO BOX 411, BOYD, TX, 76023
3	COTTEN, PEGGY JEAN LIFE ESTATE	PO BOX 101, 1BOYD, TX 76023
4	MARTIN TRUCK ENTERPRISES OF BOYD INC	PO BOX 485, 1BOYD, TX 76023
5	HARPER, CORTNEY R	8325 S FM 51, BOYD, TX 76023
6	DEAN, JOSEPH ABEL	401 ABEL LN, BOYD, TX 76023
7	C & S INVESTMENTS	PO BOX 411, BOYD, TX 76023
8	CITY OF BOYD	PO BOX 164, BOYD, TX 76023
9	HARPER, RICK	PO BOX 919, RHOME, TX 76078
10	DEAN, JOSEPH A & DONNA	401 ABEL LN, BOYD, TX 76023
11	HUDDLESTON, WILLIAM & PAMELA	PO BOX 622, BOYD, TX 76023
12	PIETILA, RICHARD & SPEAR, TRACY	1211 HLAVEK, DECATUR, TX 76234

REVISIONS

#	DESCRIPTION	DATE

Belcheff & Associates, Inc.

Municipal Engineering and Program Management

3075 Lone Star Circle
Fort Worth, Texas 76177

Phone: 817.431.1800
Fax: 817.431.1801
TBE Reg. No. F-368

B

CITY OF BOYD
WWTP EXPANSION
ATTACHMENT 2
LANDOWNER MAP

DATE: 30 Sept 2024
SCALE: 1"=20'
PROJECT:
DRAWN BY: AL/HK
APPROV. BY:

Charles Steven Wolfe
PO Box 411
Boyd, Tx 76023

Peggy Jean Cotton Life Estate
PO Box 101
Boyd, Tx 76023

Martin Truck Enterprises
PO Box 485
Boyd, Tx, 76023

CORTNEY R HARPER
8325 FM 51
BOYD, Tx 76023

JOSEPH ABEL DEAN
401 ABEL LANE
BOYD, TX 76023

C & S INVESTMENTS
PO BOX 411
BOYD, TX 76023

CITY OF BOYD
PO BOX 164
BOYD, TX 76023

RICK HARPER
PO BOX 919
RHOME, TX 76078

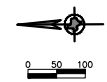
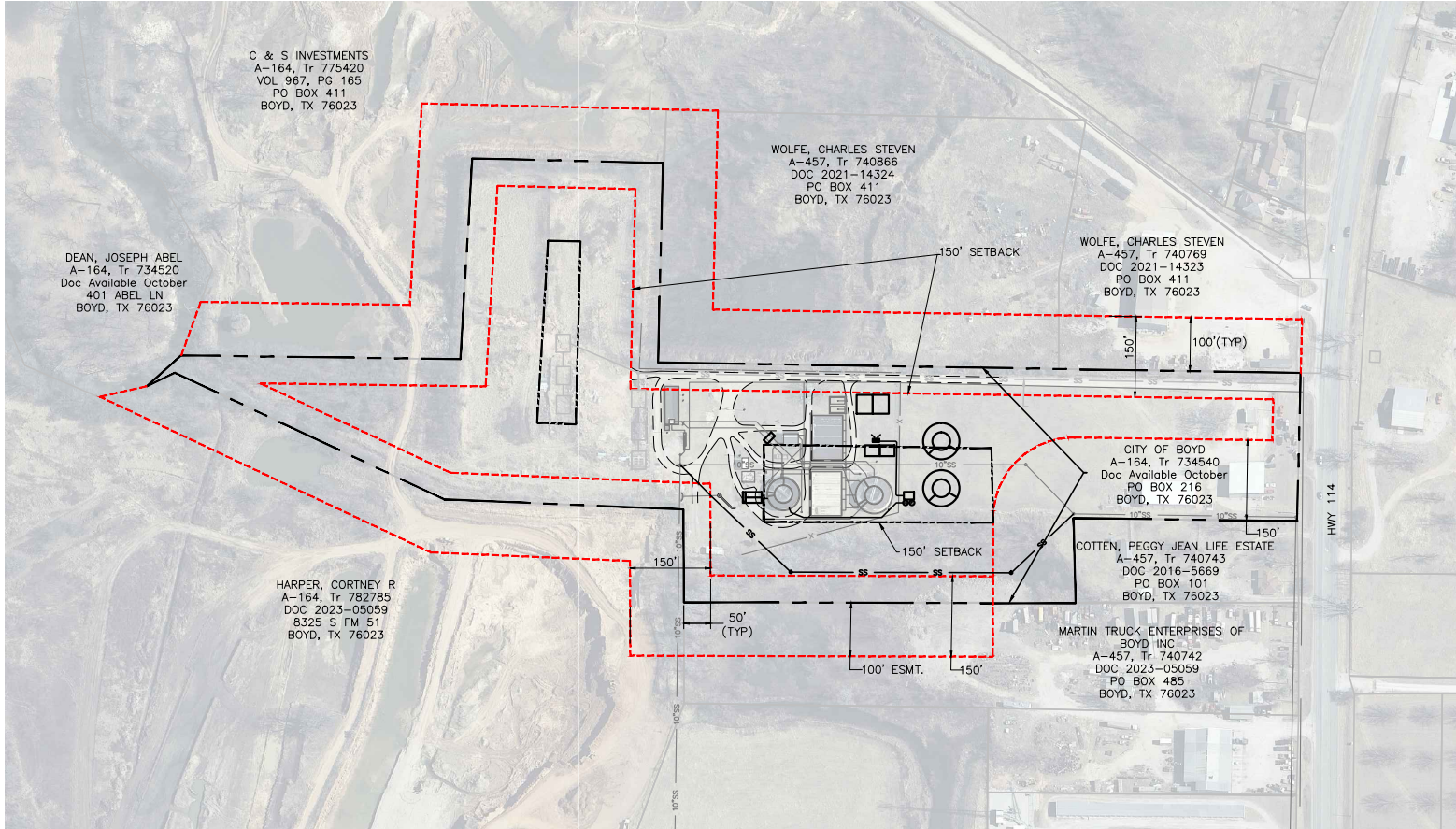
JOSEPH & DONNA DEAN
401 ABEL LANE
BOYD, TX 76023

WILLIAM & PAMELA HUDDLESTON
PO BOX 622
BOYD, TX 76023

RICHARD PIETILA & TRACY SPEAR
1211 HLAVEK
DECATUR, TX 76234

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Attachment 3.
Buffer Zone Map**



REVISIONS	
DATE	DESCRIPTION

Belcher & Associates, Inc.
Professional Engineering and Planning
1000 E. 11th St., Suite 200
Boyd, TX 76023
Tel: 817.422.8800
Fax: 817.422.8801

B



**CITY OF BOYD
SITE DRAWING
BUFFER ZONE MAP**

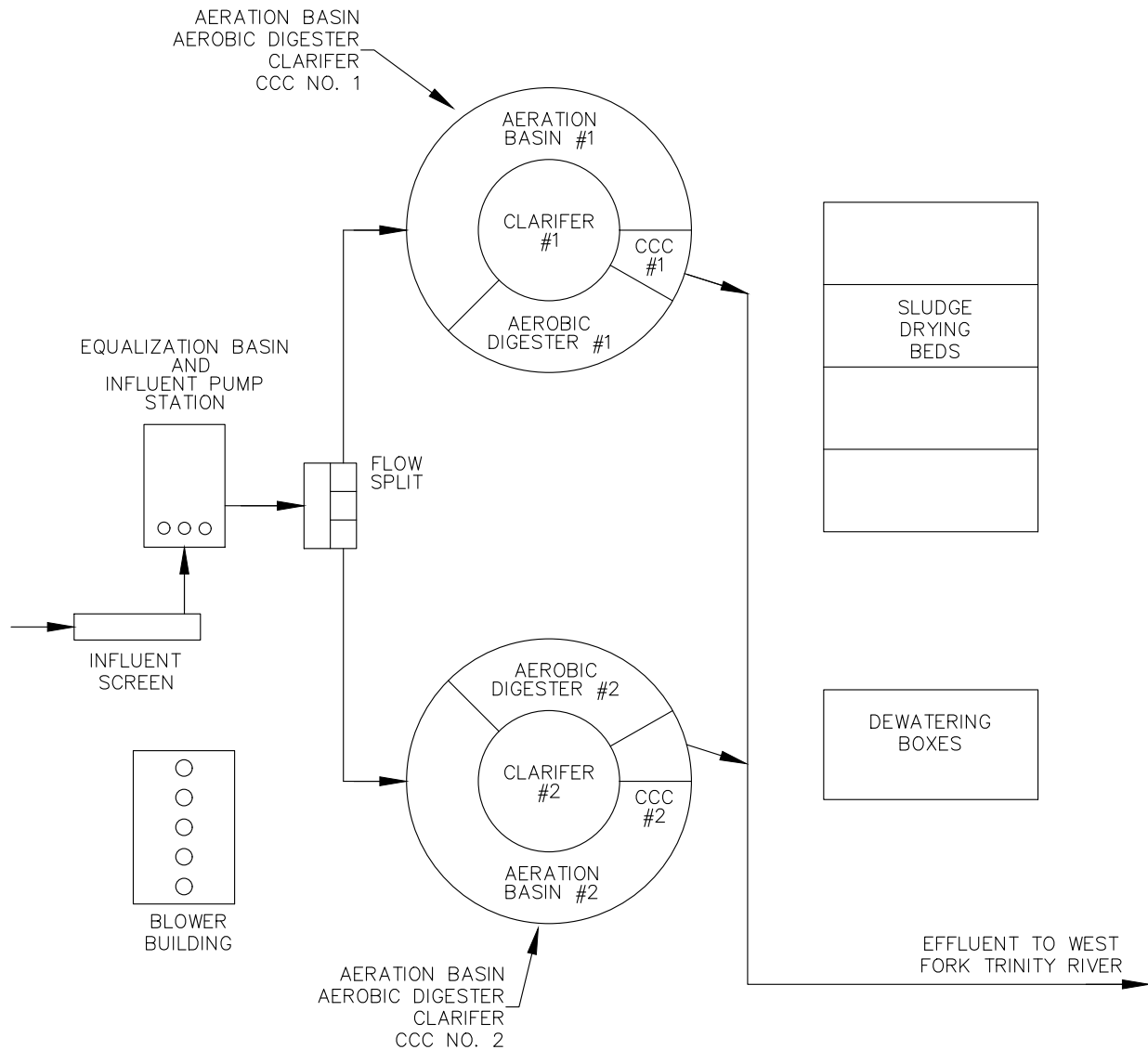
DATE: 24 Sept 2024
SCALE: 1"=100'
PROJECT: _____
DRAWN BY: AL/K
APPROV. BY: M.A.

SHEET
1
OF 1

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Attachment 4.
Flow Diagram(s)**

FLOW DIAGRAM #1



ATTACHMENT #4
FLOW DIAGRAM 1
EXISTING/INTERIM 1 PHASE – 0.24 MGD

CITY OF BOYD



Belcheff & Associates, Inc.

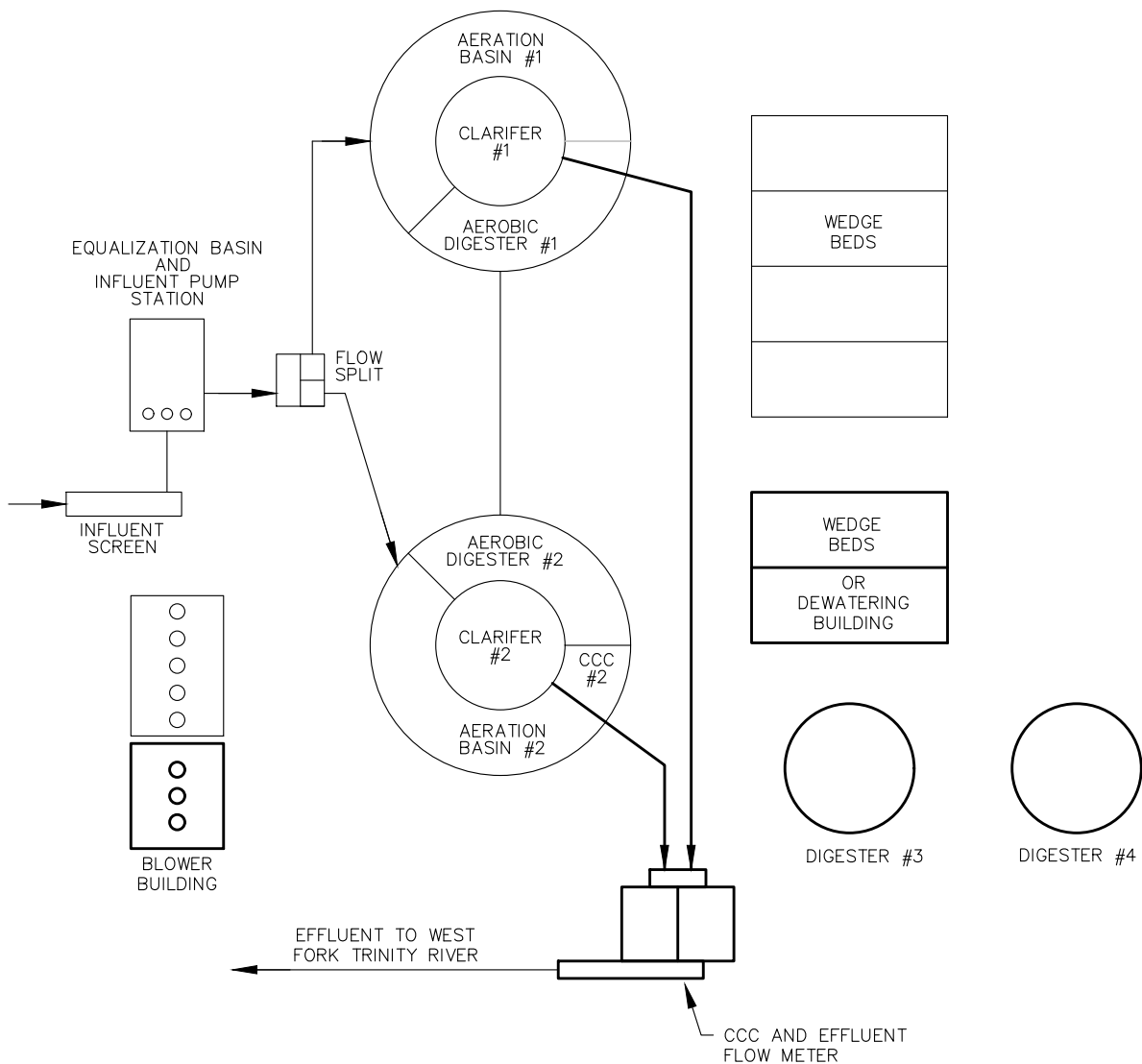
Municipal Engineering and Program Management

3575 Lone Star Circle
Suite 124
Fort Worth, Texas 76177

Phone: 817.431.1800
Fax: 817.431.1850
TBPE Reg. No. F-368

05 Sept 2024

FLOW DIAGRAM #2



ATTACHMENT #4
FLOW DIAGRAM 2
INTERIM 2 PHASE – 0.48 MGD

CITY OF BOYD



Belcheff & Associates, Inc.

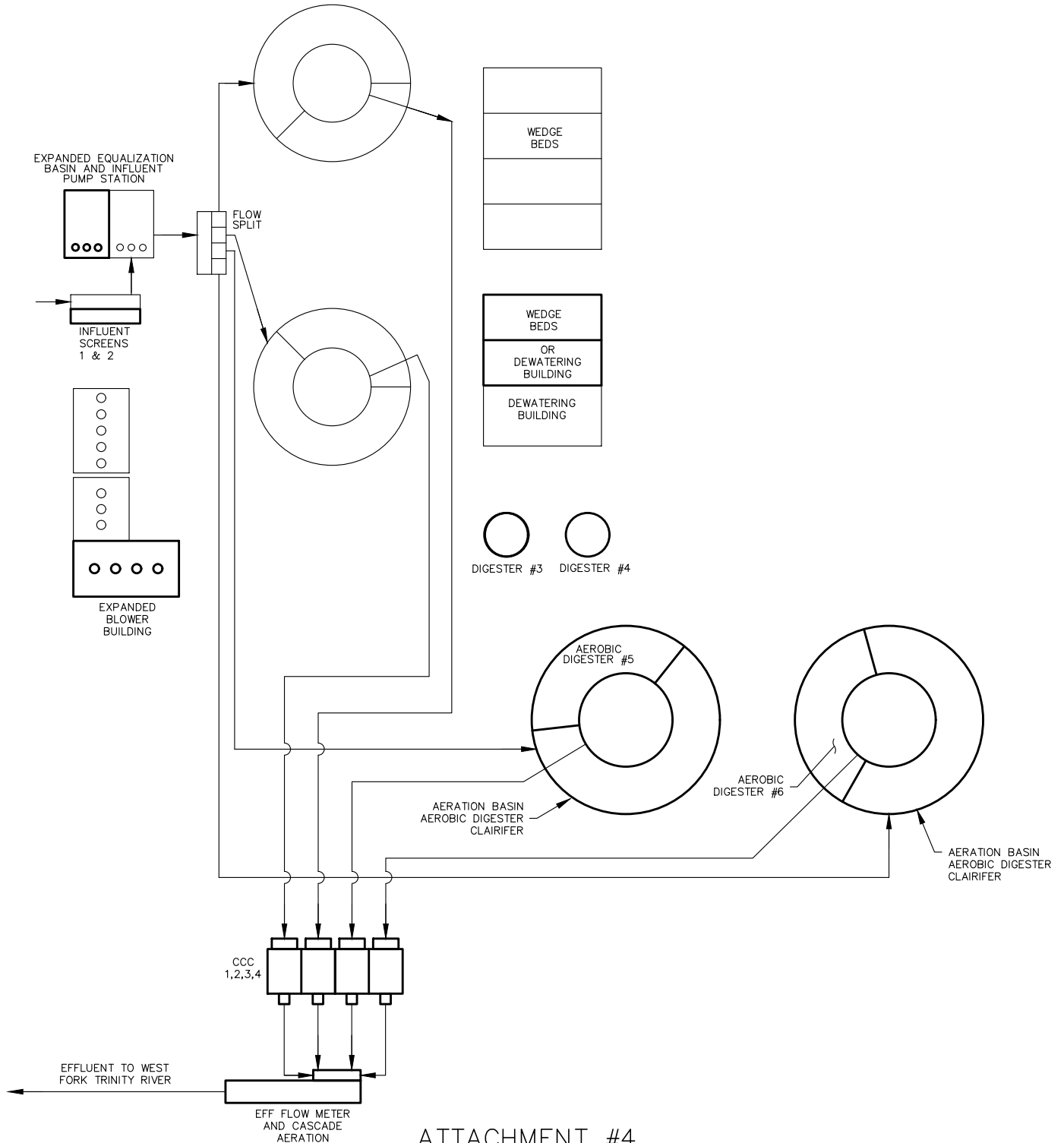
Municipal Engineering and Program Management

3575 Lone Star Circle
Suite 124
Fort Worth, Texas 76177

Phone: 817.431.1800
Fax: 817.431.1850
TBPE Reg. No. F-368

05 Sept 2024

FLOW DIAGRAM #3



ATTACHMENT #4
FLOW DIAGRAM 3
FINAL PHASE – 0.99 MGD

CITY OF BOYD



Belcheff & Associates, Inc.
Municipal Engineering and Program Management

3575 Lone Star Circle
Suite 124
Fort Worth, Texas 76177

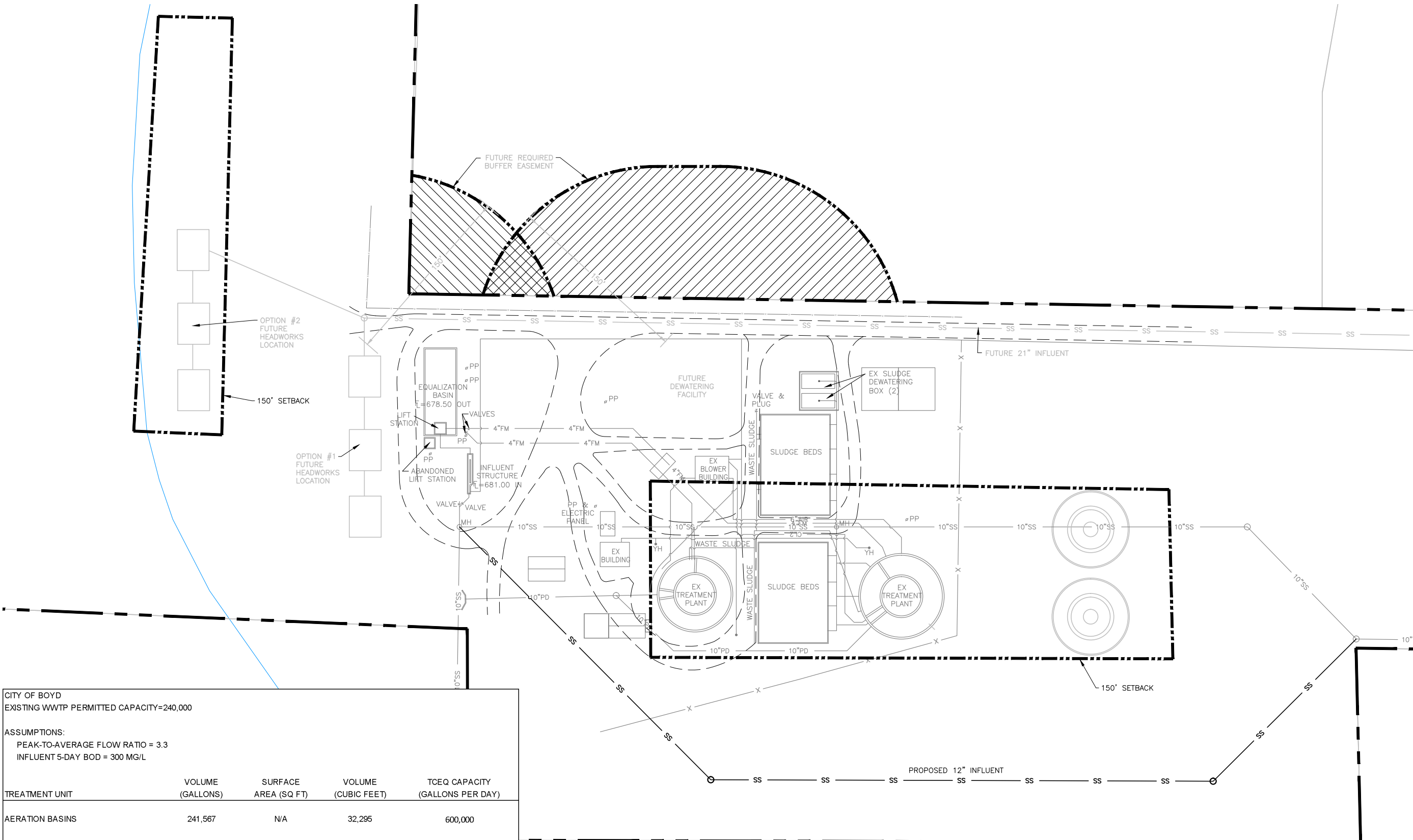
Phone: 817.431.1800
Fax: 817.431.1850
TBPE Reg. No. F-368

05 Sept 2024

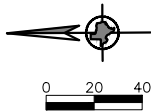
**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Attachment 5.
Site Drawing**

C:\BID\BOYD\SEWER\TREATMENT PLANT\BOYD\WWTP-INTERIM-SITE-PLANNING LAST SAVED BY: HK PLOT DATE: 09 SEPT 2024 © BELCHEFF & ASSOCIATES, INC 2024



CITY OF BOYD EXISTING WWTP PERMITTED CAPACITY=240,000				
ASSUMPTIONS: PEAK-TO-AVERAGE FLOW RATIO = 3.3 INFLUENT 5-DAY BOD = 300 MG/L				
TREATMENT UNIT	VOLUME (GALLONS)	SURFACE AREA (SQ FT)	VOLUME (CUBIC FEET)	TCEQ CAPACITY (GALLONS PER DAY)
AERATION BASINS	241,567	N/A	32,295	600,000
CLARIFIERS	101,243	1,608	13,535	480,000*
CHLORINE CONTACT CHAMBERS	12,453	N/A	1,665	272,000
DIGESTERS	73,871	N/A	9,876	197,000
BLOWERS (5 @ 345 CFM EACH)	N/A	N/A	N/A	1,380 CFM
* REQUIRES VARIANCE TO DETENTION TIME AT PEAK FLOW				



REVISIONS		DATE
#	DESCRIPTION	

B

Belcheff & Associates, Inc.

Municipal Engineering and Program Management

3025 Loop Star Circle
Suite 120
Fort Worth, Texas 76177

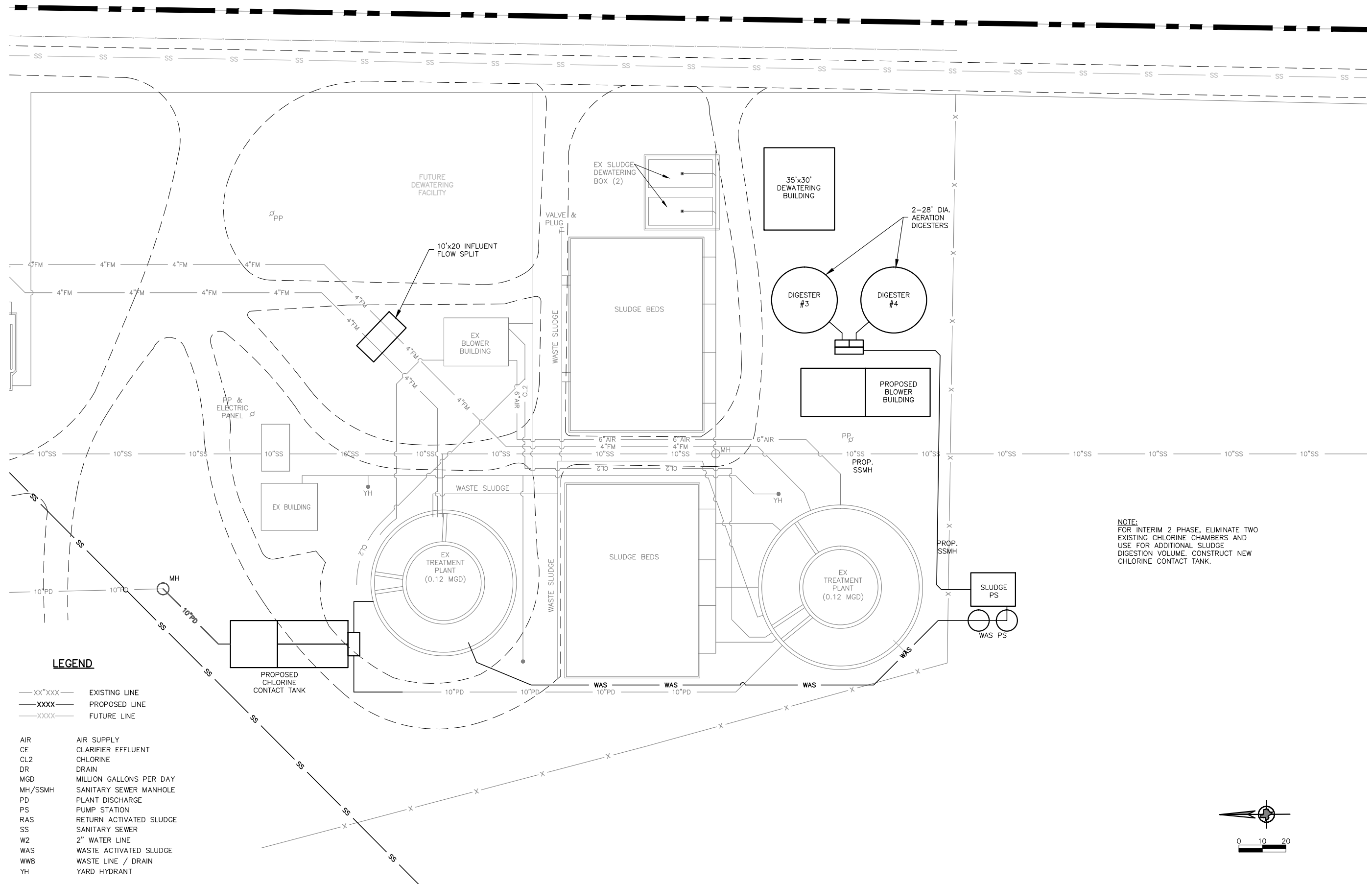
Phone: 817.431.1800
Fax: 817.431.1850
TBE Reg. No. F-368

CITY OF BOYD
SITE DRAWING
ATTACHMENT 5
EXISTING/INTERIM 1 PHASE-0.24 MGD

DATE: 09 Sept 2024
SCALE: 1"=40'
PROJECT:
DRAWN BY: AL/HK
APPROV. BY: MLA

SHEET
1
OF 3

P:\BOYD\SEWER TREATMENT PLANT\DWG\WWT-ENGINE.DWG LAST SAVED BY: HK PLOT DATE: 11 SEPT 2024 © BELCHEFF & ASSOCIATES, INC. 2024



#	REVISIONS DESCRIPTION	DATE

Belcheff & Associates, Inc.
Municipal Engineering and Program Management
3025 Loop Star Circle
Suite 120
Fort Worth, Texas 76177
Phone: 817.431.1800
Fax: 817.431.1850
TBE Reg. No. F-368



CITY OF BOYD
SITE DRAWING
ATTACHMENT 5
INTERIM 2 PHASE-0.48 MGD

DATE: 11 Sept 2024
SCALE: 1"=20'
PROJECT:
DRAWN BY: AL/HK
APPROV. BY: MLA

SHEET
2
OF
3

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Attachment 6.
Original Photographs**

CITY OF BOYD
WWTP PERMIT AMENDMENT APPLICATION WITH RENEWAL
TPDES PERMIT NO. WQ0010131-001
as of August 2024



NEW CCC LOCATION



NEW STRUCTURE LOCATION



OUTFALL UPSTREAM



OUTFALL DOWNSTREAM

BELCHEFF & ASSOCIATES, INC.
(F368)

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Attachment 7.
Design Calculations**

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 7
TPDES PERMIT NO. WQ0010131-001

DESIGN CALCULATIONS - EXISTING/INTERIM I PHASE (0.24 MGD, 600 lbs BOD5/day)

Influent Quality Characteristics - The raw sewage quality characteristics used for design purposes are as follows:

<u>Parameter</u>	<u>Concentration</u>
BOD5	300 mg/l
TSS	240 mg/l

Influent Flow Characteristics - The hydraulic design of the facility must ensure that the plant will operate under the most extreme conditions anticipated. The plant process and hydraulic design for this facility are as follows:

<u>Flow</u>	<u>Gallons Per Day</u>	<u>Gallons Per Minute</u>
Average Daily Flow (Qave)	240,000	167
Peak 2-Hour Flow (Qpk)	960,000	666

<u>Loading</u>	<u>Pounds Per Day</u>
BOD5	600
TSS	480

Process Design - The treatment plant has been designed to produce an effluent quality in compliance with the proposed permitted parameters of: BOD5 = 20 mg/l; TSS = 20 mg/l; Dissolved Oxygen = 2 mg/l. The effluent shall contain a chlorine residual of at least 1.0 mg/l and shall not exceed a chlorine residual of 4.0 mg/l after detention time of at least 20 minutes based on peak flow.

The anticipated operating range for MLSS is 3,000 mg/l to 6,000 mg/l.

Aeration Basin

TCEQ maximum organic loading	35 lbs/day/1000 cubic feet
Total aeration volume available	32,295 cubic feet
Organic loading in aeration basin	18.6 lbs/day/1000 cubic feet

Clarifier

TCEQ Ch317 Maximum surface loading (Qpk)	1,400 gallons/day/square foot
TCEQ Ch317 minimum detention time (Qpk)	1.3 hours
TCEQ Ch217 Maximum surface loading (Qpk)	1,200 gallons/day/square foot
TCEQ Ch217 minimum detention time	1.8 hours

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 7
TPDES PERMIT NO. WQ0010131-001

(Qpk)

TCEQ maximum weir loading (Qpk)	20,000 gallons/day/foot
Clarifier 1(Ch317) surface area	804 square feet (total)
Clarifier 1 (Ch317) side-water depth	7.33 feet
Clarifier 1 (Ch317) volume	5,895 cubic feet (44,096 gallons) (total)
Clarifier 1(Ch317) surface loading (Qpk)	597 gallons / day / sq. ft.
Clarifier 2(Ch217) surface area	804 square feet (total)
Clarifier 2(Ch217) side-water depth	9.5 feet
Clarifier 2(Ch217) volume	7,640 cubic feet (57,150 gallons)
Clarifier 2(Ch217) surface loading (Qpk)	597 gallons / day / sq. ft.
Detention time (Qpk)	2.5 hours
Weir length	170 feet (total)
Weir loading (Qpk)	5,647 gallons/day/foot

Aerobic Digester

TCEQ design volume	20 cubic feet/lb BOD5/day
TCEQ minimum sludge retention time	15 days
Digester sludge retention time	48 days
Digester volume	10,400 cubic feet (total)
Available volume	17.3 cubic feet/lb BOD5/day
Max. sludge flow	1,632 gallons/day
Min. retention time	48 days

Air Requirements

TCEQ minimum aeration requirements	1,800 SCF/lb BOD5
TCEQ minimum digester requirements	30 SCFM/1000 cubic feet of digester volume
Aeration required	750 SCFM
Digester air required	312 SCFM
Total Air Required (incl 12% for air lifts)	1,189 SCFM
Air provided	1,380 SCFM

PLANT DESIGN FEATURES

A. STANDBY POWER SYSTEM

The plant is equipped with an existing standby power unit. The diesel engine package is in excellent condition and has sufficient capacity to handle the existing loads of all components:

B. ALARM FEATURES

The plant will be equipped with an audible alarm and light. The alarm light is for pump high level alarm.

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 7
TPDES PERMIT NO. WQ0010131-001

C. DESIGN FEATURES FOR OPERATING FLEXIBILITY

1. BAR SCREEN

The mechanical bar screen is designed so that it can be removed from service for cleaning or repairs. A bypass channel with manually cleaned bar screen is included.

2. AERATION BASINS (Two Units)

The aeration basins can be individually isolated for draining, cleaning or repairs. The two trains operate in parallel.

3. FINAL CLARIFIERS (Two Units)

The final clarifiers can be individually isolated for draining, cleaning or repairs. Flow-split will allow diversion to any or all units.

D. EQUIPMENT DUPLICITY

1. BLOWERS

A total of 5 with four required to meet design aeration rate, and one standby unit.

E. OVERFLOW PREVENTION

All units are designed with free board which will allow time for eliminating any line blockage problem.

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 7
TPDES PERMIT NO. WQ0010131-001

DESIGN CALCULATIONS - INTERIM II PHASE (0.48 MGD, 1,200 lbs BOD5/day)

Influent Quality Characteristics - The raw sewage quality characteristics used for design purposes are as follows:

<u>Parameter</u>	<u>Concentration</u>
BOD5	300 mg/l
TSS	240 mg/l

Influent Flow Characteristics - The hydraulic design of the facility must ensure that the plant will operate under the most extreme conditions anticipated. The plant process and hydraulic design for this facility are as follows:

<u>Flow</u>	<u>Gallons Per Day</u>	<u>Gallons Per Minute</u>
Average Daily Flow (Qave)	480,000	333
Peak 2-Hour Flow (Qpk)	1,584,000	1,099

<u>Loading</u>	<u>Pounds Per Day</u>
BOD5	1,200
TSS	960

Process Design - The treatment plant has been designed to produce an effluent quality in compliance with the proposed permitted parameters of: BOD5 = 20 mg/l; TSS = 20 mg/l; Dissolved Oxygen = 2 mg/l. The effluent shall contain a chlorine residual of at least 1.0 mg/l and shall not exceed a chlorine residual of 4.0 mg/l after detention time of at least 20 minutes based on peak flow.

The anticipated operating range for MLSS is 3,000 mg/l to 6,000 mg/l.

Aeration Basin

TCEQ maximum organic loading	45 lbs/day/1000 cubic feet
Total aeration volume available	32,295 cubic feet
Organic loading in aeration basin	37.2 lbs/day/1000 cubic feet

Clarifier

TCEQ Ch317 Maximum surface loading (Qpk)	1,400 gallons/day/square foot
TCEQ Ch317 minimum detention time (Qpk)	1.3 hours
TCEQ Ch217 Maximum surface loading (Qpk)	1,200 gallons/day/square foot
TCEQ Ch217 minimum detention time (Qpk)	1.8 hours

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 7
TPDES PERMIT NO. WQ0010131-001

TCEQ maximum weir loading (Qpk)	20,000 gallons/day/foot
Clarifier 1(Ch317) surface area	804 square feet (total)
Clarifier 1 (Ch317) side-water depth	7.33 feet
Clarifier 1 (Ch317) volume	5,895 cubic feet (44,096 gallons) (total)
Clarifier 1(Ch317) surface loading (Qpk)	985 gallons / day / sq. ft.
Clarifier 2(Ch217) surface area	804 square feet (total)
Clarifier 2(Ch217) side-water depth	9.5 feet
Clarifier 2(Ch217) volume	7,640 cubic feet (57,150 gallons)
Clarifier 2(Ch217) surface loading (Qpk)	985 gallons / day / sq. ft.
Clarifier 1 (Ch317) Detention time (Qpk)	1.3 hours
Clarifier 2(Ch217) Detention time (Qpk)	1.7 hours*
Weir length	170 feet (total)
Weir loading (Qpk)	9,318 gallons/day/foot

Aerobic Digester

TCEQ design volume	20 cubic feet/lb BOD5/day
TCEQ minimum sludge retention time	15 days
Digester sludge retention time	55 days
Digester volume	24,020 cubic feet (total)
Available volume	20 cubic feet/lb BOD5/day
Max. sludge flow	3,260 gallons/day
Min. retention time	55 days

Air Requirements

TCEQ minimum aeration requirements	1,800 SCF/lb BOD5
TCEQ minimum digester requirements	30 SCFM/1000 cubic feet of digester volume
Aeration required	1,500 SCFM
Digester air required	721 SCFM
Total Air Required (incl 12% for air lifts)	2,487 SCFM
Air provided	2,580 SCFM

PLANT DESIGN FEATURES

A. STANDBY POWER SYSTEM

The plant is equipped with an existing standby power unit. The diesel engine package will be upgraded to handle the increased loads of the following components:

1. Additional Blowers to increase from 1,380 to 2,580 SCFM
2. Sludge Dewatering Building
3. Enlarged Headworks and Influent Pump Station

B. ALARM FEATURES

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 7
TPDES PERMIT NO. WQ0010131-001

The plant will be equipped with an audible alarm and light. The alarm light is for pump high level alarm.

C. DESIGN FEATURES FOR OPERATING FLEXIBILITY

1. BAR SCREEN

The mechanical bar screen is designed so that it can be removed from service for cleaning or repairs. A bypass channel with manually cleaned bar screen is included.

2. AERATION BASINS (Two Units)

The aeration basins can be individually isolated for draining, cleaning or repairs. The three trains will operate in parallel.

3. FINAL CLARIFIERS (Two Units)

The final clarifiers can be individually isolated for draining, cleaning or repairs. Flow-split will allow diversion to any or all units.

D. EQUIPMENT DUPLICITY

1. BLOWERS

New blowers will be installed for a total of 8 with six required to meet design aeration rate, and two standby units.

E. OVERFLOW PREVENTION

All units are designed with free board which will allow time for eliminating any line blockage problem.

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 7
TPDES PERMIT NO. WQ0010131-001

DESIGN CALCULATIONS - FINAL PHASE (0.98 MGD, 2,452 lbs BOD5/day)

Influent Quality Characteristics - The raw sewage quality characteristics used for design purposes are as follows:

<u>Parameter</u>	<u>Concentration</u>
BOD5	300 mg/l
TSS	240 mg/l

Influent Flow Characteristics - The hydraulic design of the facility must ensure that the plant will operate under the most extreme conditions anticipated. The plant process and hydraulic design for this facility are as follows:

<u>Flow</u>	<u>Gallons Per Day</u>	<u>Gallons Per Minute</u>
Average Daily Flow (Qave)	980,000	680
Peak 2-Hour Flow (Qpk)	3,230,000	2,242

<u>Loading</u>	<u>Pounds Per Day</u>
BOD5	2,452
TSS	1,962

Process Design - The treatment plant has been designed to produce an effluent quality in compliance with the proposed permitted parameters of: BOD5 = 20 mg/l; TSS = 20 mg/l; Dissolved Oxygen = 2 mg/l. The effluent shall contain a chlorine residual of at least 1.0 mg/l and shall not exceed a chlorine residual of 4.0 mg/l after detention time of at least 20 minutes based on peak flow.

The anticipated operating range for MLSS is 3,000 mg/l to 6,000 mg/l.

Aeration Basin

TCEQ maximum organic loading	45 lbs/day/1000 cubic feet
Total aeration volume available	83,077 cubic feet
Organic loading in aeration basin	29.5 lbs/day/1000 cubic feet

Clarifier

TCEQ Ch317 Maximum surface loading (Qpk)	1,400 gallons/day/square foot
TCEQ Ch317 minimum detention time (Qpk)	1.3 hours
TCEQ Ch217 Maximum surface loading (Qpk)	1,200 gallons/day/square foot
TCEQ Ch217 minimum detention time (Qpk)	1.8 hours
TCEQ maximum weir loading (Qpk)	20,000 gallons/day/foot

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 7
TPDES PERMIT NO. WQ0010131-001

Clarifier 1(Ch317) surface area	804 square feet
Clarifier 1 (Ch317) side-water depth	7.33 feet
Clarifier 1 (Ch317) volume	5,895 cubic feet (44,096 gallons)
Clarifier 1(Ch317) surface loading (Qpk)	1,004 gallons / day / sq. ft.
Clarifier 1 (Ch317) Detention time (Qpk)	1.3 hours
Clarifier 2 (Ch217) surface area	804 square feet
Clarifier 2 (Ch217) side-water depth	9.5 feet
Clarifier 2 (Ch217) volume	7,640 cubic feet (57,150 gallons)
Clarifier 2 (Ch217) surface loading (Qpk)	1,004 gallons / day / sq. ft.
Clarifier 2 (Ch217) Detention time (Qpk)	1.7 hours*
Clarifier 3+4 (Ch217) surface area	1,710 square feet (total)
Clarifier 3&4 (Ch217) side-water depth	12 feet
Clarifier 3&4 (Ch217) volume	20,528 cubic feet (153,549 gallons)
Clarifier 3+4 (Ch217) surface loading (Qpk)	944 gallons / day / sq. ft.
Clarifier 3+4 (Ch217) Detention time (Qpk)	2.3 hours
Weir length	350 feet (total)
Weir loading (Qpk)	9,229 gallons/day/foot

Aerobic Digester

TCEQ design volume	20 cubic feet/lb BOD5/day
TCEQ minimum sludge retention time	15 days
Digester sludge retention time	56 days
Digester volume	49,932 cubic feet (total)
Available volume	20 cubic feet/lb BOD5/day
Max. sludge flow	6,717 gallons/day
Min. retention time	56 days

Air Requirements

TCEQ minimum aeration requirements	1,800 SCF/lb BOD5
TCEQ minimum digester requirements	30 SCFM/1000 cubic feet of digester volume
Aeration required	3,065 SCFM
Digester air required	1,500 SCFM
Total Air Required (incl 12% for air lifts)	2,487 SCFM
Air provided	5,113 SCFM

PLANT DESIGN FEATURES

F. STANDBY POWER SYSTEM

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 7
TPDES PERMIT NO. WQ0010131-001

The plant is equipped with an existing standby power unit. The diesel engine package will be upgraded to handle the increased loads of the following components:

1. Additional Blowers to increase from 2,580 to 5,160 SCFM
2. 2 Additional Final Clarifiers
3. Expanded Sludge Dewatering Building
4. Enlarged Headworks and Influent Pump Station

G. ALARM FEATURES

The plant will be equipped with an audible alarm and light. The alarm light is for pump high level alarm.

H. DESIGN FEATURES FOR OPERATING FLEXIBILITY

1. BAR SCREEN

The mechanical bar screen is designed so that it can be removed from service for cleaning or repairs. A bypass channel with manually cleaned bar screen is included.

2. AERATION BASINS (Four Units)

The aeration basins can be individually isolated for draining, cleaning or repairs. The four trains will operate in parallel.

3. FINAL CLARIFIERS (Four Units)

The final clarifiers can be individually isolated for draining, cleaning or repairs. Flow-split will allow diversion to any or all units.

I. EQUIPMENT DUPLICITY

1. BLOWERS

New blowers will be installed for a total of 12 with ten required to meet design aeration rate, and two standby units.

J. OVERFLOW PREVENTION

All units are designed with free board which will allow time for eliminating any line blockage problem.

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

**Attachment 8.
Solids Management Plan**

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 8-SOLIDS MANAGEMENT PLANS
TPDES PERMIT NO. WQ0010131-001

CITY OF BOYD
SLUDGE PRODUCTION CALCULATIONS
SEWAGE SLUDGE SOLIDS MANAGEMENT PLAN-EXISTING/INTERIM I
PHASE (0.24 MGD, 600 LBS BOD₅/DAY)

Dimensions and capacities of aerobic digester

TCEQ design volume	20 cubic feet/lb BOD ₅ /day
TCEQ minimum sludge retention time	15 days
Digester volume	10,400 cubic feet (17.3 cubic feet/lb BOD ₅ /day)
Digester dimensions	1 unit @ 38 feet X 15 feet X 9.5 feet deep & 1 unit @ 40 feet X 16.25 feet X 9.5 feet deep
Digester sludge retention time	22 days

BOD₅ removal Influent concentration = 300 mg/l
 Effluent concentration = 20
 mg/l Net removal = 280
 mg/l

Solids generated	100% flow	75% flow	50% flow	25% flow
Pounds BOD ₅ /day removed	560	420	280	140
Pounds of dry sludge produced*	177	133	89	44
Pounds of wet sludge produced**	13,615	10,211	6,808	3,404
Volume of wet sludge produced	1,632 gal	1,224 gal	816 gal	408 gal

* Assuming 0.315 pounds of dry sludge produced per pound of BOD₅ removed.

** Assuming 1.3% solids

MLSS operating range = 5,440 mg/l (see page 3 design calculations)

Sludge will stay in the digester, clear liquor will be decanted off the digester and returned to the headworks. Sludge is wasted from the final clarifiers to the aerobic digester. Some sludge from the clarifier is also returned to the aeration basins.

<u>Removal schedule (days)</u>	<u>100% flow</u>	<u>75% flow</u>	<u>50% flow</u>	<u>25% flow</u>
Days between sludge removal	48	64	95	191

Sludge will be removed from the digester when the digester is full of thickened solids. Digested sludge will be treated with polymer and pumped to the dewatering box in the existing phase and to the proposed rotary or screw press in the final phase. Then sludge will be hauled by a registered transporter to the designated landfill for disposal.

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 8-SOLIDS MANAGEMENT PLANS
TPDES PERMIT NO. WQ0010131-001

SEWAGE SLUDGE SOLIDS MANAGEMENT PLAN- INTERIM II PHASE (0.48 MGD, 1,200 LBS BOD₅/DAY)

Dimensions and capacities of aerobic digester

TCEQ design volume	20 cubic feet/lb BOD ₅ /day
TCEQ minimum sludge retention time	15 days
Digester volume	24,020 cubic feet (17.3 cubic feet/lb BOD ₅ /day)
Digester dimensions	1 unit @ 38 feet X 15 feet X 9.5 feet deep & 1 unit @ 40 feet X 16.25 feet X 9.5 feet deep & 2 units @ 28 feet diameter X 10 feet deep
Digester sludge retention time	22 days

BOD₅ removal Influent concentration = 300 mg/l
 Effluent concentration = 20
 mg/l Net removal = 280
 mg/l

Solids generated	100% flow	75% flow	50% flow	25% flow
Pounds BOD ₅ /day removed	1,121	840	560	280
Pounds of dry sludge produced*	353	265	177	90
Pounds of wet sludge produced**	27,160	20,370	13,580	6,790
Volume of wet sludge produced	3,260 gal	2,445 gal	1,630 gal	815 gal

* Assuming 0.315 pounds of dry sludge produced per pound of BOD₅ removed.

** Assuming 1.3% solids

MLSS operating range = 5,440 mg/l (see page 3 design calculations)

Sludge will stay in the digester, clear liquor will be decanted off the digester and returned to the headworks. Sludge is wasted from the final clarifiers to the aerobic digester. Some sludge from the clarifier is also returned to the aeration basins.

<u>Removal schedule (days)</u>	<u>100% flow</u>	<u>75% flow</u>	<u>50% flow</u>	<u>25% flow</u>
Days between sludge removal	55	83	110	220

Sludge will be removed from the digester when the digester is full of thickened solids. Digested sludge will be treated with polymer and pumped to the dewatering box in the existing phase and to the proposed rotary or screw press in the final phase. Then sludge will be hauled by a registered transporter to the designated landfill for disposal.

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 8-SOLIDS MANAGEMENT PLANS
TPDES PERMIT NO. WQ0010131-001

SEWAGE SLUDGE SOLIDS MANAGEMENT PLAN-FINAL PHASE (0.99 MGD, 2,477 LBS BOD₅/DAY)

Dimensions and capacities of aerobic digester

TCEQ design volume	20 cubic feet/lb BOD ₅ /day
TCEQ minimum sludge retention time	15 days
Digester volume	49,932 cubic feet (20 cubic feet/lb BOD ₅ /day)
Digester dimensions	1 unit @ 38 feet X 15 feet X 9.5 feet deep & 1 unit @ 40 feet X 16.25 feet X 9.5 feet deep & 2 units @ 28 feet diameter X 10 feet deep & 4 units @ 24.7 feet X 17.5 feet X 15 feet deep
Digester sludge retention time	56 days

BOD₅ removal Influent concentration = 300 mg/l
 Effluent concentration = 20 mg/l
 Net removal = 280 mg/l

Solids generated	100% flow	75% flow	50% flow	25% flow
Pounds BOD ₅ /day removed	2,312	1,734	1,156	578
Pounds of dry sludge produced*	728	546	366	182
Pounds of wet sludge produced**	56,018	42,014	28,010	14,005
Volume of wet sludge produced	6,717 gal	5,038 gal	3,360 gal	1,680 gal

* Assuming 0.315 pounds of dry sludge produced per pound of BOD₅ removed.

** Assuming 1.3% solids

MLSS operating range = 5,440 mg/l (see page 3 design calculations)

Sludge will stay in the digester, clear liquor will be decanted off the digester and returned to the headworks. Sludge is wasted from the final clarifiers to the aerobic digester. Some sludge from the clarifier is also returned to the aeration basins.

<u>Removal schedule (days)</u>	<u>100% flow</u>	<u>75% flow</u>	<u>50% flow</u>	<u>25% flow</u>
Days between sludge removal	56	75	112	224

Sludge will be removed from the digester when the digester is full of thickened solids. Digested sludge will be treated with polymer and pumped to the dewatering box in the existing phase and to the proposed rotary or screw press in the final phase. Then sludge will be hauled by a registered transporter to the designated landfill for disposal.

**CITY OF BOYD
WASTEWATER TREATMENT PLANT
PERMIT AMENDMENT WITH RENEWAL APPLICATION
TPDES PERMIT NO. WQ0010131-001**

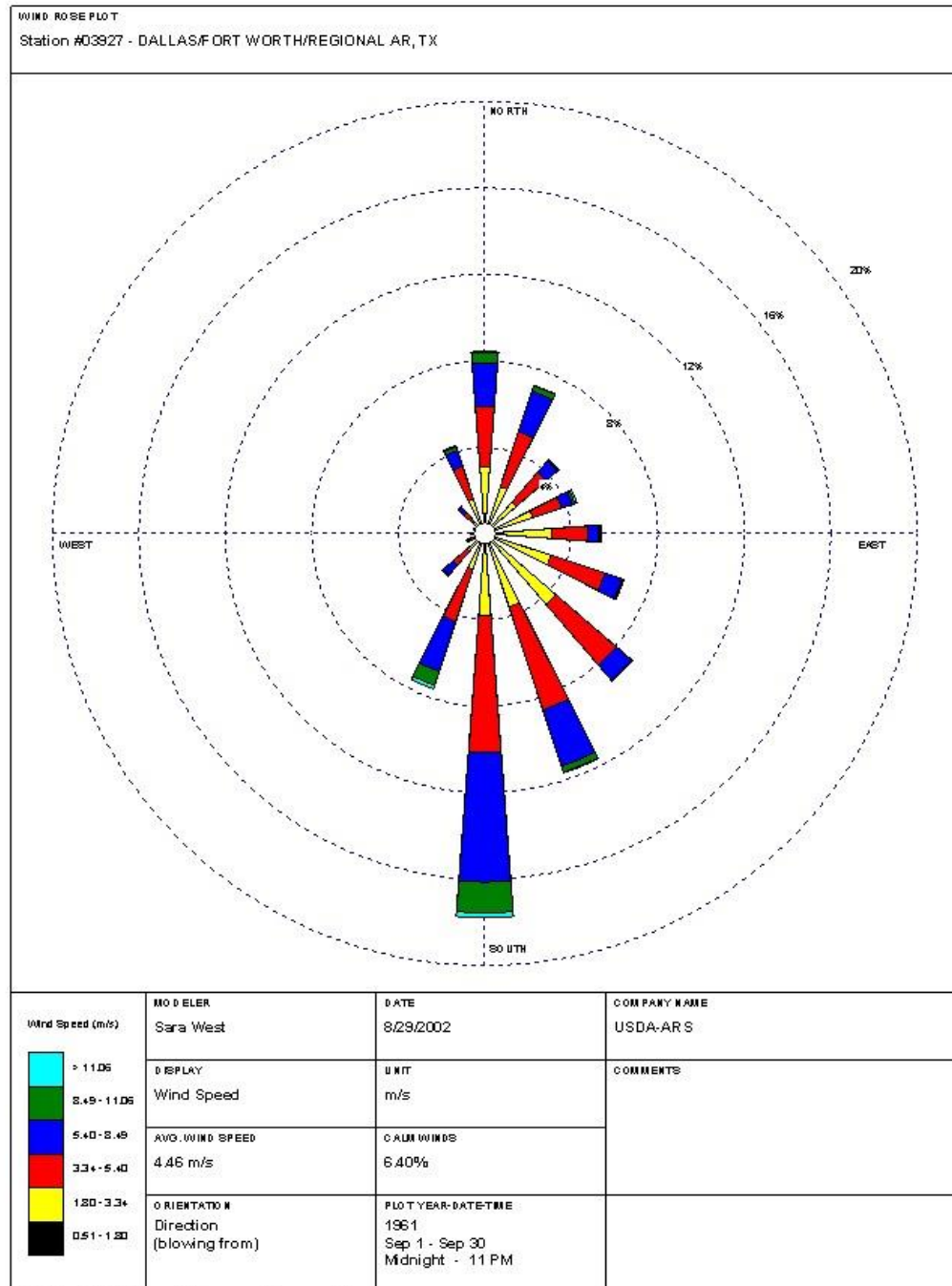
**Attachment 9.
Wind Rose**

CITY OF BOYD

WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION

ATTACHMENT 9. WIND ROSE

TPDES PERMIT NO. WQ0010131-001



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

October 11, 2024

Mr. Dwayne Taylor
City Administrator
City of Boyd
P.O. Box 216
Boyd, Texas 76023

RE: Application to Amend Permit No.: WQ0010131001 (EPA I.D. No. TX0022632)
Applicant Name: City of Boyd (CN600734487)
Site Name: City of Boyd WWTP (RN101721652)
Type of Application: Major amendment with renewal

VIA EMAIL

Dear Mr. Taylor:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following item(s) are requested before we can declare the application administratively complete. Please submit responses to the following items via email.

1. Administrative Report 1.0, Section 2, item e
The amendment description and some of the technical attachments indicate an increase to 0.96 MGD but the technical report and plain language summary list the proposed final phase flow as 0.98 MGD. Please confirm the correct proposed final phase flow and provide updated page(s) as appropriate to be consistent throughout the application.
2. Administrative Report 1.0, Section 8, Item D
The address on record for Boyd City Hall is 731 East Rock Island Avenue. Please confirm the address for the public viewing location.
3. Administrative Report 1.0, Section 10
The discharge point in the application is not consistent with the current permit outfall location which is directly at the West Fork Trinity River. Please confirm if the outfall coordinates have changed. If the discharge is from the facility is via pipe, the portion of the pipe is not part of the route, and the outfall is where it discharges to the waters of the state.

If needed, please also update all maps, including the USGS topographic map and the affected landowner's map.
4. Administrative Report 1.1, Section 1
Please provide the affected landowners cross reference list on a separate sheet from the landowner map. Please also provide the landowner list formatted for mailing labels (Avery 5160 - with no punctuation and all capital letters), in a Microsoft Word document.

5. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. City of Boyd, P.O. Box 216, Boyd, Texas 76023, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010131001 (EPA I.D. No. TX0022632) to authorize an increase to the discharge of treated wastewater to a volume not to exceed a daily average flow of 960,000 gallons per day (pending response). The domestic wastewater treatment facility is located approximately 2,200 feet northeast of the intersection of Farm-to-Market Road 730 and State Highway 114, in the city of Boyd, Wise County, Texas 76023. The discharge route is from the plant site directly to West Fork Trinity River Below Bridgeport Reservoir (pending response). TCEQ received this application on October 3, 2024. The permit application will be available for viewing and copying at Boyd City Hall, 731 East Rock Island Avenue, Boyd, in Wise County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.551388,33.081111&level=18>

Further information may also be obtained from City of Boyd at the address stated above or by calling Mr. Dwayne Taylor, City Administrator, at 940-43-8400.

Please submit the complete response, addressed to my attention by October 25, 2024. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-0084 or by email at leah.whallon@tceq.texas.gov

Sincerely,



Leah Whallon
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

lcw

cc: Mr. Roman Boitsov, P.E., City Engineer, Belcheff & Associates, Inc., 3575 Lone Star Circle, Fort Worth, Texas 76177

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

October 31, 2024

Ms. Sherrie Dast
City Secretary
City of Boyd
P.O. Box 216
Boyd, Texas 76023

RE: Declaration of Administrative Completeness
Applicant Name: City of Boyd (CN600734487)
Permit No.: WQ0010131001 (EPA I.D. No. TX0022632)
Site Name: City of Boyd WWTP (RN101721652)
Type of Application: Major amendment with renewal

Dear Ms. Dast:

The executive director has declared the above referenced application, received on October 3, 2024, administratively complete on October 31, 2024.

You are now required to publish notice of your proposed activity and make a copy of the application available for public review. The following items are included to help you meet the regulatory requirements associated with this notice:

- Instructions for Public Notice
- Notice for Newspaper Publication
- Public Notice Verification Form
- Publisher's Affidavits

You must follow all the directions in the enclosed instructions. The most common mistakes are the unauthorized changing of notice, wording, or font. If you fail to follow these instructions, you may be required to republish the notices.

The following requirements are also described in the enclosed instructions. However, due to their importance, they are highlighted here as well.

1. Publish the enclosed notice within **30 calendar days** after your application is declared administratively complete. (See this letter's first paragraph for the declaration date.) **You may be required to publish the notice in more than one newspaper, including a newspaper published in an alternative language, to satisfy all of the notice requirements.**
2. On or before the date you publish notice, place a copy of your permit application in a public place in the county where the facility is or will be located. This copy must be accessible to the public for review and copying, must be updated to reflect changes to the application, and must remain in place throughout the comment period.

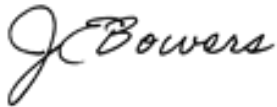
Ms. Sherrie Dast
Page 2
October 31, 2024
Permit No. WQ0010131001

3. For each publication, submit proof of publication of the notice that shows the publication date and newspaper name to the Office of the Chief Clerk within **30 calendar days** after notice is published in the newspaper.
4. Return the original enclosed Public Notice Verification and the Publisher's Affidavits to the Office of the Chief Clerk within **30 calendar days** after the notice is published in the newspaper.

If you do not comply with **all** the requirements described in the instructions, further processing of your application may be suspended, or the agency may take other actions.

If you have any questions regarding publication requirements, please contact the Office of Legal Services at (512) 239-0600. If you have any questions regarding the content of the notice, please contact Leah Whallon at (512) 239-0084 or leah.whallon@tceq.texas.gov.

Sincerely,



Jennifer E. Bowers
Section Manager, Water Quality Division Support
Office of Water
Texas Commission of Environmental Quality

JEB/lcw

Enclosures

Look Up a ZIP Code™

Go to

ZIP Code™ by Address

You entered:

PO BOX 216
BOYD TX

If more than one address matches the information provided, try narrowing your search by entering a street address and, if applicable, a unit number. **Edit and search again.** ([zip-code-lookup.htm?byaddress](https://www.usps.com/zip-code-lookup.htm?byaddress))

PO BOX 216
BOYD TX **76023-0216**

[Look Up Another ZIP Code™](#)

[Edit and Search Again \(/zip-code-lookup.htm?byaddress\)](https://www.usps.com/zip-code-lookup.htm?byaddress)

Feedback

Look Up a ZIP Code™

Go to

ZIP Code™ by Address

You entered:
3575 LONE STAR CIR
FORT WORTH TX

If more than one address matches the information provided, try narrowing your search by entering a street address and, if applicable, a unit number. **Edit and search again.** ([zip-code-lookup.htm?byaddress](#))

Showing Results
1- 10 of 15

3575 LONE STAR CIR FORT WORTH TX 76177-8904	Feedback
3575 LONE STAR CIR FORT WORTH TX 76177-8904	
3575 LONE STAR CIR STE 202 FORT WORTH TX 76177-8809	
3575 LONE STAR CIR STE (Range 501 - 611) FORT WORTH TX 76177-8905	
3575 LONE STAR CIR STE (Range 612 - 1010) FORT WORTH TX 76177-8906	
3575 LONE STAR CIR STE (Range 100 - 101) FORT WORTH TX 76177-8907	

3575 LONE STAR CIR STE (EVEN Range 120 - 124)
FORT WORTH TX **76177-8907**

3575 LONE STAR CIR STE (Range 303 - 434)
FORT WORTH TX **76177-8908**

3575 LONE STAR CIR STE 300
FORT WORTH TX **76177-8908**

3575 LONE STAR CIR STE (EVEN Range 116 - 118)
FORT WORTH TX **76177-8909**

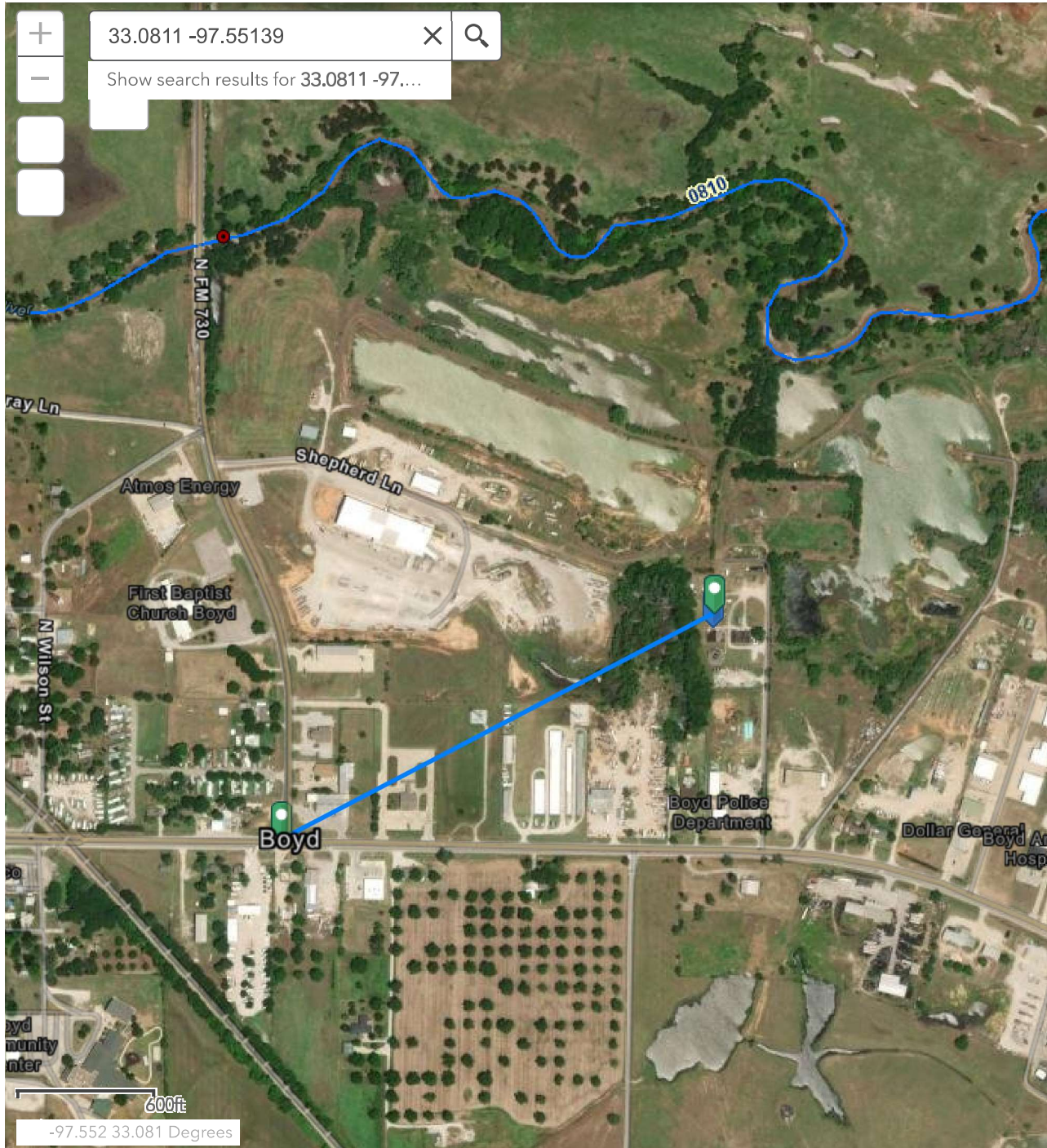
Results per page:

10

1 2

Look Up Another ZIP Code™

Edit and Search Again (/zip-code-lookup.htm?byaddress)



Measure

| Feet


Measurement Result

2,126.4 Feet

Clear

Press CTRL to enable snapping

Boyd City Hall

3.0 (4)
City Hall • 

Overview

Reviews

About



Directions



Save




Nearby



Send to
phone



Share

 731 E Rock Island Ave, Boyd, TX 76023

 **Closed today** 

Friday Closed

Saturday Closed

Sunday Closed

Monday 8 AM–6 PM


Tuesday 8 AM–6 PM

Wednesday 8 AM–6 PM

Thursday 8 AM–6 PM

[Suggest new hours](#)

 cityofboyd.com

 (940) 433-5166



Water Quality Receipt Report

OCT-10-24 09:00 PM

Paid In By: BOB GARY

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	PI00924311	676038	IFCE	582EA0005		20-DEC-23	-\$2000.00
PERMIT APPLICATION					82264			
NOTICE FEES WQP	PTGQ	PI00924312	676039	IFCE	582EA0005		20-DEC-23	-\$15.00
WATER QUALITY PMT					82264			

Paid In By: BOERNE, CITY OF

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	M308895A	10066001	CK	138729		12-JAN-23	-\$2000.00
PERMIT APPLICATION								
NOTICE FEES WQP	PTGQ	M308895B	10066001	CK	138729		12-JAN-23	-\$15.00
WATER QUALITY PMT								

Paid In By: BOWERS SHRIMP FARM

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	M410870	04005000	CK	37163		23-JAN-24	-\$800.00
PERMIT APPLICATION								

Paid In By: BOWMAN ENVIRONMENTAL ENTERPRISES LLC

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	M415113A	13847001	CK	18547		22-MAR-24	-\$800.00
PERMIT APPLICATION								
NOTICE FEES WQP	PTGQ	M415113B	13847001	CK	18547		22-MAR-24	-\$15.00
WATER QUALITY PMT								
WATER QUALITY	WQP	M418578A	12279001	CK	18731		21-JUN-24	-\$500.00
PERMIT APPLICATION								
NOTICE FEES WQP	PTGQ	M418578B	12279001	CK	18731		21-JUN-24	-\$15.00
WATER QUALITY PMT								

Paid In By: BOYD, CITY OF

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	M420756A	1013001	CK	50002		29-AUG-24	-\$1600.00
PERMIT APPLICATION								
NOTICE FEES WQP	PTGQ	M420756B	1013001	CK	50002		29-AUG-24	-\$50.00
WATER QUALITY PMT								

Paid In By: BRAD BOENIG

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	PI00972591	714899	IFCE	582EA0006		01-AUG-24	-\$500.00
PERMIT APPLICATION					19297			
NOTICE FEES WQP	PTGQ	PI00972592	714900	IFCE	582EA0006		01-AUG-24	-\$50.00
WATER QUALITY PMT					19297			

Paid In By: BRAD JACKSON

<u>Acct.Name</u>	<u>Fee</u>	<u>Endorse. #</u>	<u>Ref#2</u>	<u>PayTyp</u>	<u>Check#</u>	<u>Card#</u>	<u>Tran.Date</u>	<u>Rec.Amnt</u>
WATER QUALITY	WQP	PI00860141	627681	IFCE	582EA0005		22-MAR-23	-\$1200.00
PERMIT APPLICATION					38307			
NOTICE FEES WQP	PTGQ	PI00860142	627682	IFCE	582EA0005		22-MAR-23	-\$15.00
WATER QUALITY PMT					38307			



Basis 2 A/R Outstanding Past Due Transactions Detail Report By Customer Name

OCT-11-24 06:30 AM

Customer Name: CITY MEAT MARKET INC

Account #: 23702735

Debtcollpath Stage: UNCOL:EXHAUST

Calls:

WDV	SC2701-001	LATE FEE FOR	WDV0004853	050352PSTE	11-SEP-06	11-SEP-06	\$1.00
WDV	SC2701-004	LATE FEE FOR	WDV0004226	050352PSTE	11-SEP-06	11-SEP-06	\$1.00
WDV	SC2701-003	LATE FEE FOR	WDV0004283	050352PSTE	11-SEP-06	11-SEP-06	\$1.00
WDV	SC2702-001	LATE FEE FOR	WDV0004853	050352PSTE	10-OCT-06	10-OCT-06	\$1.00
WDV	SC2702-003	LATE FEE FOR	WDV0004283	050352PSTE	10-OCT-06	10-OCT-06	\$1.00
WDV	SC2702-004	LATE FEE FOR	WDV0004226	050352PSTE	10-OCT-06	10-OCT-06	\$1.00
WDV	SC2702-002	LATE FEE FOR	WDV0004561	050352PSTE	10-OCT-06	10-OCT-06	\$1.00
WDV	SC2703-004	LATE FEE FOR	WDV0004226	050352PSTE	10-NOV-06	10-NOV-06	\$1.00
WDV	SC2703-001	LATE FEE FOR	WDV0004853	050352PSTE	10-NOV-06	10-NOV-06	\$1.00
WDV	SC2703-002	LATE FEE FOR	WDV0004561	050352PSTE	10-NOV-06	10-NOV-06	\$1.00
WDV	SC2703-003	LATE FEE FOR	WDV0004283	050352PSTE	10-NOV-06	10-NOV-06	\$1.00
WDV	SC2704-002	LATE FEE FOR	WDV0004561	050352PSTE	11-DEC-06	11-DEC-06	\$1.00
WDV	SC2704-004	LATE FEE FOR	WDV0004226	050352PSTE	11-DEC-06	11-DEC-06	\$1.00
WDV	SC2704-003	LATE FEE FOR	WDV0004283	050352PSTE	11-DEC-06	11-DEC-06	\$1.00
WDV	SC2704-001	LATE FEE FOR	WDV0004853	050352PSTE	11-DEC-06	11-DEC-06	\$1.00
WDV	SC2705-001	LATE FEE FOR	WDV0004853	050352PSTE	11-JAN-07	11-JAN-07	\$1.00
WDV	SC2705-004	LATE FEE FOR	WDV0004226	050352PSTE	11-JAN-07	11-JAN-07	\$1.00
WDV	SC2705-002	LATE FEE FOR	WDV0004561	050352PSTE	11-JAN-07	11-JAN-07	\$1.00
WDV	SC2705-003	LATE FEE FOR	WDV0004283	050352PSTE	11-JAN-07	11-JAN-07	\$1.00
WDV	SC2706-001	LATE FEE FOR	WDV0004853	050352PSTE	12-FEB-07	12-FEB-07	\$1.00
WDV	SC2706-002	LATE FEE FOR	WDV0004561	050352PSTE	12-FEB-07	12-FEB-07	\$1.00
WDV	SC2706-003	LATE FEE FOR	WDV0004283	050352PSTE	12-FEB-07	12-FEB-07	\$1.00
WDV	SC2706-004	LATE FEE FOR	WDV0004226	050352PSTE	12-FEB-07	12-FEB-07	\$1.00
WDV	SC2707-004	LATE FEE FOR	WDV0004226	050352PSTE	13-MAR-07	13-MAR-07	\$1.00
WDV	SC2707-001	LATE FEE FOR	WDV0004853	050352PSTE	13-MAR-07	13-MAR-07	\$1.00
WDV	SC2707-002	LATE FEE FOR	WDV0004561	050352PSTE	13-MAR-07	13-MAR-07	\$1.00
WDV	SC2707-003	LATE FEE FOR	WDV0004283	050352PSTE	13-MAR-07	13-MAR-07	\$1.00
WDV	SC2708-002	LATE FEE FOR	WDV0004561	050352PSTE	11-APR-07	11-APR-07	\$1.00
WDV	SC2708-003	LATE FEE FOR	WDV0004283	050352PSTE	11-APR-07	11-APR-07	\$1.00
WDV	SC2708-004	LATE FEE FOR	WDV0004226	050352PSTE	11-APR-07	11-APR-07	\$1.00
WDV	SC2708-001	LATE FEE FOR	WDV0004853	050352PSTE	11-APR-07	11-APR-07	\$1.00
WDV	SC2709-004	LATE FEE FOR	WDV0004226	050352PSTE	10-MAY-07	10-MAY-07	\$1.00
WDV	SC2709-003	LATE FEE FOR	WDV0004283	050352PSTE	10-MAY-07	10-MAY-07	\$1.00
WDV	SC2709-001	LATE FEE FOR	WDV0004853	050352PSTE	10-MAY-07	10-MAY-07	\$1.00
WDV	SC2709-002	LATE FEE FOR	WDV0004561	050352PSTE	10-MAY-07	10-MAY-07	\$1.00

Total of delinquent transactions (Account): \$849.00

Total of delinquent transactions (Customer): \$849.00

Customer Name: CITY OF ALICE

Account #: 0801011H

Debtcollpath Stage:

Calls: NOTES

WMS	SC00352469	LATE FEE - SEP 2024		10-SEP-24	10-SEP-24	\$25.00
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Total of delinquent transactions (Account): \$25.00

Total of delinquent transactions (Customer): \$25.00

Customer Name: CITY OF BEAUMONT

Account #: 0708464

Debtcollpath Stage:

Calls: HOLD

SWD	SWD0029727	SOLID WASTE FEE	FY24Q 1486B	31-JUL-24	31-AUG-24	\$69895.32
SWD	SC00352438	LATE FEE - SEP 2024		10-SEP-24	10-SEP-24	\$3494.76

Total of delinquent transactions (Account): \$73390.08

Total of delinquent transactions (Customer): \$73390.08

Customer Name: CITY OF BORGER

Account #: 0801402H

Debtcollpath Stage:

Calls:

WMS	WMS0053323	MUN TRAN SLDG FEE GALS	FY24 22461	31-JUL-24	31-AUG-24	\$500.00
WMS	SC00352480	LATE FEE - SEP 2024		10-SEP-24	10-SEP-24	\$25.00

Total of delinquent transactions (Account): \$525.00

Total of delinquent transactions (Customer): \$525.00



Basis 2 A/R Outstanding Past Due Transactions Detail Report By Customer Name

OCT-11-24 06:30 AM

Customer Name: CITY OF BYERS

Account #: 23002453

Debtcollpath Stage: AGENCY:REFERRED

Calls:

CWQ	CWQ0070276	PERMIT	FY23	0010890001	31-OCT-22	30-NOV-22	\$1250.00
CWQ	SC00314100	LATE FEE - DEC 2022			10-DEC-22	10-DEC-22	\$62.50
CWQ	SC00317058	LATE FEE - JAN 2023			10-JAN-23	10-JAN-23	\$62.50
CWQ	SC00320716	LATE FEE - FEB 2023			10-FEB-23	10-FEB-23	\$10.62
CWQ	CWQ0070276	COLLECTION COST RECOVERY			03-MAR-23	03-MAR-23	\$312.50
CWQ	SC00324121	LATE FEE - MAR 2023			10-MAR-23	10-MAR-23	\$10.62
CWQ	SC00326529	LATE FEE - APR 2023			10-APR-23	10-APR-23	\$10.62
CWQ	SC00328771	LATE FEE - MAY 2023			10-MAY-23	10-MAY-23	\$10.62
CWQ	SC00329998	LATE FEE - JUN 2023			10-JUN-23	10-JUN-23	\$10.62
CWQ	SC00331007	LATE FEE - JUL 2023			10-JUL-23	10-JUL-23	\$10.62
CWQ	SC00331937	LATE FEE - AUG 2023			10-AUG-23	10-AUG-23	\$10.62
CWQ	SC00332854	LATE FEE - SEP 2023			10-SEP-23	10-SEP-23	\$10.62
CWQ	SC00333909	LATE FEE - OCT 2023			10-OCT-23	10-OCT-23	\$10.62
CWQ	CWQ0073771	PERMIT	FY24	0010890001	31-OCT-23	30-NOV-23	\$1250.00
CWQ	SC00335096	LATE FEE - NOV 2023			10-NOV-23	10-NOV-23	\$10.62
CWQ	SC00336783	LATE FEE - DEC 2023			10-DEC-23	10-DEC-23	\$73.12
CWQ	SC00339023	LATE FEE - JAN 2024			10-JAN-24	10-JAN-24	\$74.37
CWQ	SC00341582	LATE FEE - FEB 2024			10-FEB-24	10-FEB-24	\$23.74
CWQ	CWQ0073771	COLLECTION COST RECOVERY			01-MAR-24	01-MAR-24	\$312.50
CWQ	SC00344159	LATE FEE - MAR 2024			10-MAR-24	10-MAR-24	\$23.74
CWQ	SC00346252	LATE FEE - APR 2024			10-APR-24	10-APR-24	\$23.74
CWQ	SC00349370	LATE FEE - JUN 2024			10-JUN-24	10-JUN-24	\$23.74
CWQ	SC00350577	LATE FEE - JUL 2024			10-JUL-24	10-JUL-24	\$23.74
CWQ	SC00351602	LATE FEE - AUG 2024			10-AUG-24	10-AUG-24	\$23.74
CWQ	SC00352618	LATE FEE - SEP 2024			10-SEP-24	10-SEP-24	\$23.74

Total of delinquent transactions (Account): \$3669.87

Account #: 90390003

Debtcollpath Stage: AGENCY:REFERRED

Calls:

PHS	PHS0214242	WATER SYSTEM FEE	FY24	0390003	30-NOV-23	31-DEC-23	\$612.50
PHS	SC00339205	LATE FEE - JAN 2024			10-JAN-24	10-JAN-24	\$30.62
PHS	SC00341676	LATE FEE - FEB 2024			10-FEB-24	10-FEB-24	\$30.62
PHS	SC00344236	LATE FEE - MAR 2024			10-MAR-24	10-MAR-24	\$5.81
PHS	PHS0214242	COLLECTION COST RECOVERY			05-APR-24	05-APR-24	\$153.13
PHS	SC00346313	LATE FEE - APR 2024			10-APR-24	10-APR-24	\$5.81
PHS	SC00349411	LATE FEE - JUN 2024			10-JUN-24	10-JUN-24	\$5.81
PHS	SC00350608	LATE FEE - JUL 2024			10-JUL-24	10-JUL-24	\$5.81
PHS	SC00351629	LATE FEE - AUG 2024			10-AUG-24	10-AUG-24	\$5.81
PHS	SC00352644	LATE FEE - SEP 2024			10-SEP-24	10-SEP-24	\$5.81

Total of delinquent transactions (Account): \$861.73

Total of delinquent transactions (Customer): \$4531.60

Customer Name: CITY OF CLARKSVILLE CITY

Account #: 0620084

Debtcollpath Stage:

Calls: HOLD

WTR	WTR0065801	ONSITE COUNCIL FE	FY24Q	0084202010	30-JUN-24	31-JUL-24	\$10.00
WTR	WTR0065800	ONSITE COUNCIL FE	FY24Q	0084202001	30-JUN-24	31-JUL-24	\$10.00
WTR	WTR0065802	ONSITE COUNCIL FE	FY24Q	0084202206	30-JUN-24	31-JUL-24	\$10.00

Total of delinquent transactions (Account): \$30.00

Total of delinquent transactions (Customer): \$30.00

Customer Name: CITY OF CROSBYTON

Account #: 0801380H

Debtcollpath Stage:

Calls:

WMS	WMS0054791	MUN TRAN SLDG FEE GALS	FY24	26516	31-JUL-24	31-AUG-24	\$500.00
WMS	SC00352479	LATE FEE - SEP 2024			10-SEP-24	10-SEP-24	\$25.00

Total of delinquent transactions (Account): \$525.00

Total of delinquent transactions (Customer): \$525.00

Customer Name: CITY OF CRYSTAL CITY

Account #: 0803088H

Debtcollpath Stage:

Calls:

Leah Whallon

From: Gary Burton <gburton@belcheff.com>
Sent: Monday, October 14, 2024 6:16 PM
To: Leah Whallon
Cc: 'Michael Anderson'; rboitsov@belcheff.com; 'W Taylor'
Subject: City of Boyd Permit No. WQ0010131001 Response to NOD1
Attachments: Land owner mailing labels-A5160.docx; NOD1 Response Package.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Leah:
Please see attached response to your comments.

Thank you,
Gary L. Burton, III, PE

Belcheff & Associates, Inc.
Texas Reg. No. F-368
3575 Lone Star Circle, Ste. 124
Fort Worth, Texas 76177

817-431-1800 (Office)
817-431-1850 (Fax)
903- 571-1273 (Cell)

Belcheff & Associates, Inc.

Municipal Engineering & Management
TBPE Reg. No. F-368

3575 Lone Star Circle, Ste. 124
Fort Worth, Texas 76177

October 15, 2024

Leah Whallon
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission on Environmental Quality
Leah.whallon@tceq.texas.gov

Re: Application to Amend Permit NO. WQ0010131001 (EPA I.D. TX0022632)
Applicant Name: City of Boyd (CN600734487)
Site Name: City of Boyd WWTP (RN101721652)
Type of Application: Major amendment with renewal

Dear Ms. Whallon:

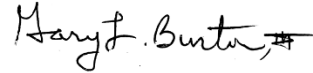
We received your Notice of Deficiency 1 letter dated October 11, 2024, and offer the following responses to your numbered items.

1. The correct final phase flow is 0.98 MGD. The following revised pages are attached:
 - Admin Report 1.0 page 3
 - Attachment 4 – Flow Diagram 3
 - Attachment 5 – Final Phase, Sheet 3 of 3
 - Attachment 8 – Final Phase Solids Management Plan
2. The correct address for public viewing is 731 East Rock Island Avenue. Revised Admin Report 1.0 page 6 is attached.
3. The USGS and Affected Landowner Maps are correct. The following revised pages are attached:
 - SPIF page 2
 - Admin Report 1.0 page 8
 - Technical Report – Worksheet 2.0 page 27-29
4. A revised landowner list in the requested Avery 5160 format in Word doc is attached.
5. I have reviewed the NORI description. Attached is an edited page 2 of your letter with red marks of items to change.

Thank you for your assistance. Please feel free to contact me with any questions or comments concerning this application by phone at 903-571-1273 or email at gburton@belcheff.com

Leah Whallon
TCEQ Applications Review and Processing Team (MC148)
October 15, 2024
Page 2 of 2

Sincerely,

A handwritten signature in black ink, appearing to read "Gary L. Burton, III", with a stylized flourish at the end.

Gary L. Burton, III, P.E.
Project Engineer

cc: Dwayne Taylor, City Administrator *via e-mail*
Mike Anderson, P.E., City Engineer *via e-mail*
Roman Boitsov, P.E., City Engineer *via e-mail*

c. Check the box next to the appropriate permit type.

- ☒ TPDES Permit
☐ TLAP
☐ TPDES Permit with TLAP component
☐ Subsurface Area Drip Dispersal System (SADDs)

d. Check the box next to the appropriate application type

- | | |
|---|---|
| <input type="checkbox"/> New | |
| <input checked="" type="checkbox"/> Major Amendment <u>with</u> Renewal | <input type="checkbox"/> Minor Amendment <u>with</u> Renewal |
| <input type="checkbox"/> Major Amendment <u>without</u> Renewal | <input type="checkbox"/> Minor Amendment <u>without</u> Renewal |
| <input type="checkbox"/> Renewal without changes | <input type="checkbox"/> Minor Modification of permit |

e. For amendments or modifications, describe the proposed changes: Expand existing 0.24 MGD plant to 0.98 MGD plant in two phases.

f. For existing permits:

Permit Number: WQ00 10131001

EPA I.D. (TPDES only): TX 0022632

Expiration Date: 12/23/2026

Section 3. Facility Owner (Applicant) and Co-Applcant Information (Instructions Page 26)

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

City of Boyd

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?
You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: **600734487**

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Mr.

Last Name, First Name: Taylor, Dwayne

Title: City Administrator

Credential: N/A

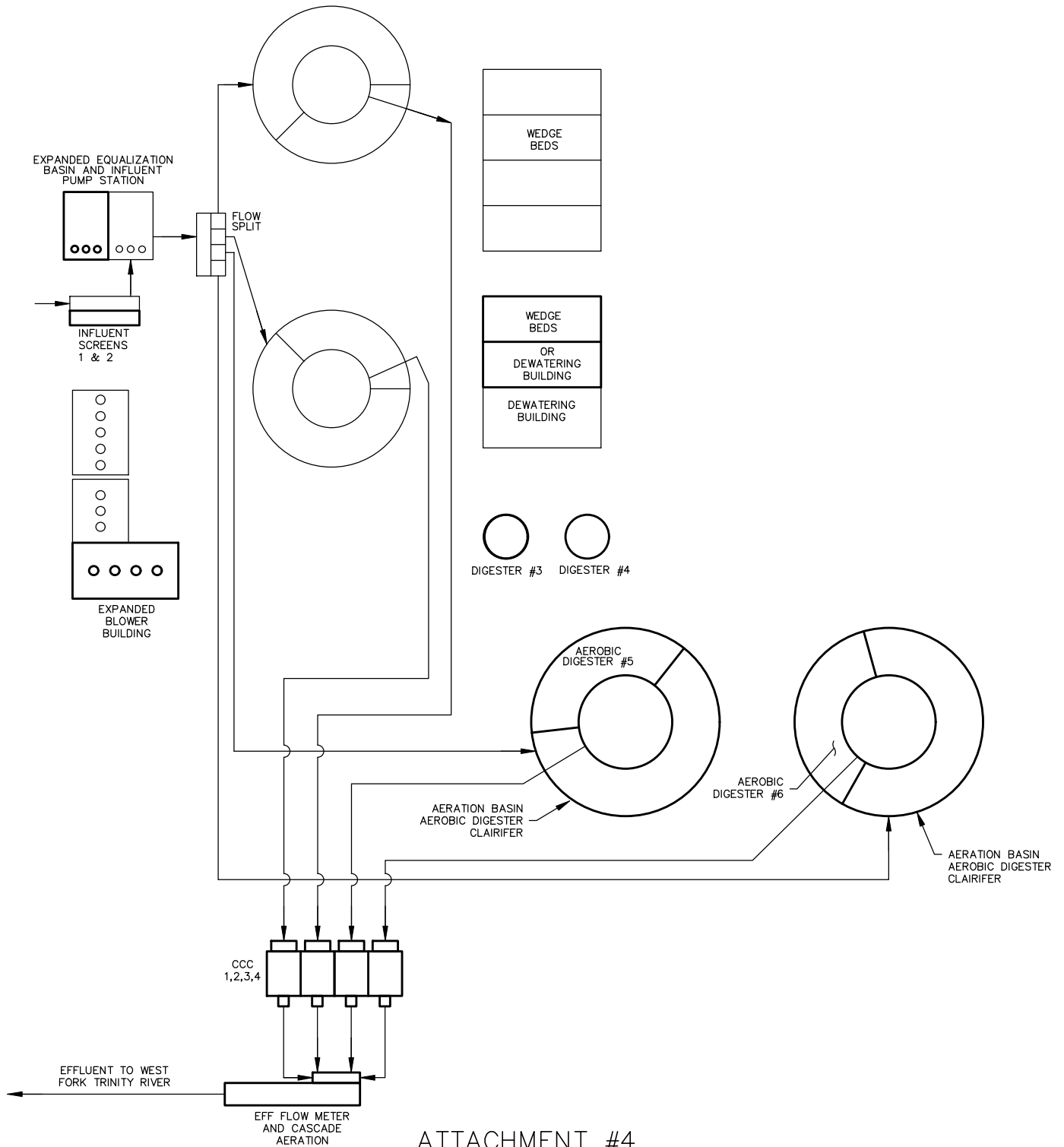
B. **Co-applicant information.** Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

N/A

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the

FLOW DIAGRAM #3



ATTACHMENT #4
FLOW DIAGRAM 3
FINAL PHASE — 0.98 MGD

CITY OF BOYD



Belcheff & Associates, Inc.
Municipal Engineering and Program Management

3575 Lone Star Circle
Suite 124
Fort Worth, Texas 76177

Phone: 817.431.1800
Fax: 817.431.1850
TBPE Reg. No. F-368

05 Sept 2024

CITY OF BOYD
WWTP PERMIT AMENDMENT WITH RENEWAL APPLICATION
ATTACHMENT 8-SOLIDS MANAGEMENT PLANS
TPDES PERMIT NO. WQ0010131-001

SEWAGE SLUDGE SOLIDS MANAGEMENT PLAN-FINAL PHASE (0.98 MGD, 2,477 LBS BOD₅/DAY)

Dimensions and capacities of aerobic digester

TCEQ design volume	20 cubic feet/lb BOD ₅ /day
TCEQ minimum sludge retention time	15 days
Digester volume	49,932 cubic feet (20 cubic feet/lb BOD ₅ /day)
Digester dimensions	1 unit @ 38 feet X 15 feet X 9.5 feet deep & 1 unit @ 40 feet X 16.25 feet X 9.5 feet deep & 2 units @ 28 feet diameter X 10 feet deep & 4 units @ 24.7 feet X 17.5 feet X 15 feet deep
Digester sludge retention time	56 days

BOD₅ removal Influent concentration = 300 mg/l
 Effluent concentration = 20 mg/l
 Net removal = 280 mg/l

Solids generated	100% flow	75% flow	50% flow	25% flow
Pounds BOD ₅ /day removed	2,312	1,734	1,156	578
Pounds of dry sludge produced*	728	546	366	182
Pounds of wet sludge produced**	56,018	42,014	28,010	14,005
Volume of wet sludge produced	6,717 gal	5,038 gal	3,360 gal	1,680 gal

* Assuming 0.315 pounds of dry sludge produced per pound of BOD₅ removed.

** Assuming 1.3% solids

MLSS operating range = 5,440 mg/l (see page 3 design calculations)

Sludge will stay in the digester, clear liquor will be decanted off the digester and returned to the headworks. Sludge is wasted from the final clarifiers to the aerobic digester. Some sludge from the clarifier is also returned to the aeration basins.

<u>Removal schedule (days)</u>	<u>100%flow</u>	<u>75% flow</u>	<u>50% flow</u>	<u>25% flow</u>
Days between sludge removal	56	75	112	224

Sludge will be removed from the digester when the digester is full of thickened solids. Digested sludge will be treated with polymer and pumped to the dewatering box in the existing phase and to the proposed rotary or screw press in the final phase. Then sludge will be hauled by a registered transporter to the designated landfill for disposal.

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

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☒ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr.

Last Name, First Name: Taylor, Dwayne

Title: City Administrator

Credential: N/A

Organization Name: City of Boyd

Mailing Address: PO Box 216

City, State, Zip Code: Boyd, TX 76023

Phone No.: 940-433-8400

E-mail Address: wtaylor@cityofboyd.com

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: Boyd City Hall

Location within the building: Lobby

Physical Address of Building: 731 E. Rock Island Ave.

City: Boyd

County: Wise

Contact (Last Name, First Name): Taylor, Dwayne

Phone No.: 940-433-8400 Ext.: N/A

E. Bilingual Notice Requirements

This information is required for new, major amendment, minor amendment or minor modification, and renewal applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the 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?

☐ Yes ☒ No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

☐ Yes ☐ No

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Dwayne Taylor

Credential (P.E, P.G., Ph.D., etc.): N/A

Title: City Administrator

Mailing Address: PO Box 216

City, State, Zip Code: Boyd, TX 76023

Phone No.: 940-433-8400 Ext.: N/A Fax No.: 940-433-8241

E-mail Address: wtaylor@cityofboyd.com

2. List the county in which the facility is located: Wise
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

N/A

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

The effluent is discharged to a man-made ditch on city property, then to the West Fork Trinity River below Bridgeport Reservoir in Segment 0810 of Trinity River Basin.

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property.

Does your project involve any of the following? Check all that apply.

- ☐ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☐ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features

E. Owner of effluent disposal site:

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?

☒ Yes ☐ No

If **no**, or a new permit application, please give an accurate description:

N/A

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

☐ Yes ☒ No

If **no**, or a new or amendment permit application, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

To a man-made ditch on City of Boyd property, then to the West Fork Trinity River in Segment 0810.

City nearest the outfall(s): Boyd

County in which the outfalls(s) is/are located: Wise

C. 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

Section 3. Classified Segments (Instructions Page 64)

Is the discharge directly into (or within 300 feet of) a classified segment?

☒ Yes ☐ No

If **yes**, this Worksheet is complete.

If **no**, complete Sections 4 and 5 of this Worksheet.

Section 4. Description of Immediate Receiving Waters (Instructions Page 65)

Name of the immediate receiving waters: [Click to enter text.](#)

A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☐ Stream
- ☐ Freshwater Swamp or Marsh
- ☐ Lake or Pond

Surface area, in acres: [Click to enter text.](#)

Average depth of the entire water body, in feet: [Click to enter text.](#)

Average depth of water body within a 500-foot radius of discharge point, in feet:
[Click to enter text.](#)

- ☒ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify: [Click to enter text.](#)

B. Flow characteristics

If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area *upstream* of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one).

- ☒ Intermittent - dry for at least one week during most years
- ☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
- ☐ Perennial - normally flowing

Check the method used to characterize the area upstream (or downstream for new dischargers).

- ☐ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☒ Other, specify: [Flow in ditch is effluent only.](#)

C. Downstream perennial confluences

List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.

West Fork Trinity River, Classified Segment 0810 at 980' below discharge pipe. Flow in ditch is effluent only.

D. Downstream characteristics

Do the receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?

☐ Yes ☐ No

If yes, discuss how.

N/A

E. Normal dry weather characteristics

Provide general observations of the water body during normal dry weather conditions.

Flow in ditch is only plant effluent to river.

Date and time of observation: N/A

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

Section 5. General Characteristics of the Waterbody (Instructions Page 66)

A. Upstream influences

Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.

- | | |
|---|---|
| <input type="checkbox"/> Oil field activities | <input type="checkbox"/> Urban runoff |
| <input type="checkbox"/> Upstream discharges | <input type="checkbox"/> Agricultural runoff |
| <input type="checkbox"/> Septic tanks | <input type="checkbox"/> Other(s), specify: <u>Click to enter text.</u> |

B. Waterbody uses

Observed or evidences of the following uses. Check all that apply.

- | | |
|--|--|
| <input type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply |
| <input type="checkbox"/> Park activities | <input type="checkbox"/> Other(s), specify: Click to enter text. |

C. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

- ☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- ☐ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored
- ☐ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid
- ☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

5. The following is a portion of the permit which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. City of Boyd, P.O. Box 216, Boyd, Texas 76023, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010131001 (EPA I.D. No. TX0022632) to authorize an increase to the discharge of treated wastewater to a volume not to exceed a daily average flow of ~~960,000~~ 980,000 gallons per day (pending response). The domestic wastewater treatment facility is located approximately 2,200 feet northeast of the intersection of Farm-to-Market Road 730 and State Highway 114, in the city of Boyd, Wise County, Texas 76023. The discharge route is from the plant site ~~directly~~ to a man-made ditch on city property to West Fork Trinity River Below Bridgeport Reservoir (pending response). TCEQ received this application on October 3, 2024. The permit application will be available for viewing and copying at Boyd City Hall, 731 East Rock Island Avenue, Boyd, in Wise County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.551388,33.081111&level=18>

Further information may also be obtained from City of Boyd at the address stated above or by calling Mr. Dwayne Taylor, City Administrator, at 940-43-8400.

Please submit the complete response, addressed to my attention by October 25, 2024. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-0084 or by email at leah.whallon@tceq.texas.gov

Sincerely,



Leah Whallon
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

lcw

cc: Mr. Roman Boitsov, P.E., City Engineer, Belcheff & Associates, Inc., 3575 Lone Star Circle, Fort Worth, Texas 76177

CHARLES STEVEN WOLFE
PO BOX 411
BOYD TX 76023

PEGGY JEAN COTTON LIFE ESTATE
PO BOX 101
BOYD, TX 76023

MARTIN TRUCK ENTERPRISES
PO Box 485
BOYD TX 76023

CORTNEY R HARPER
8325 FM 51
BOYD TX 76023

JOSEPH ABEL DEAN
401 ABEL LANE
BOYD TX 76023

C AND S INVESTMENTS
PO BOX 411
BOYD TX 76023

CITY OF BOYD
PO BOX 164
BOYD TX 76023

RICK HARPER
PO BOX 919
RHOME TX 76078

JOSEPH AND DONNA DEAN
401 ABEL LANE
BOYD TX 76023

WILLIAM AND PAMELA HUDDLESTON
PO BOX 622
BOYD TX 76023

RICHARD PIETILA AND TRACY SPEAR
1211 HLAVER
DECATUR TX 76234



Compliance History Report

Compliance History Report for CN600734487, RN101721652, Rating Year 2024 which includes Compliance History (CH) components from September 1, 2019, through August 31, 2024.

Customer, Respondent, or Owner/Operator:	CN600734487, City of Boyd	Classification:	SATISFACTORY	Rating:	2.67
Regulated Entity:	RN101721652, CITY OF BOYD	Classification:	SATISFACTORY	Rating:	2.67
Complexity Points:	5	Repeat Violator:	NO		
CH Group:	08 - Sewage Treatment Facilities				
Location:	WISE, TX, WISE COUNTY				
TCEQ Region:	REGION 04 - DFW METROPLEX				
ID Number(s):					
WASTEWATER PERMIT	WQ0010131001	WASTEWATER EPA ID	TX0022632		
Compliance History Period:	September 01, 2019 to August 31, 2024	Rating Year:	2024	Rating Date:	09/01/2024
Date Compliance History Report Prepared:	November 04, 2024				
Agency Decision Requiring Compliance History:	Permit - Issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit.				
Component Period Selected:	October 03, 2019 to November 04, 2024				
TCEQ Staff Member to Contact for Additional Information Regarding This Compliance History.					
Name:	PT	Phone:	(512) 239-3581		

Site and Owner/Operator History:

- | | |
|--|-----|
| 1) Has the site been in existence and/or operation for the full five year compliance period? | 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	October 21, 2019	(1613394)
Item 2	November 14, 2019	(1619209)
Item 3	December 26, 2019	(1626558)
Item 4	February 05, 2020	(1680500)
Item 5	February 18, 2020	(1640818)
Item 6	March 20, 2020	(1647338)
Item 7	April 22, 2020	(1653676)
Item 8	May 14, 2020	(1660259)
Item 9	June 08, 2020	(1666769)
Item 10	July 14, 2020	(1673722)
Item 11	October 02, 2020	(1687067)

Item 12	October 28, 2020	(1693412)
Item 13	November 16, 2020	(1712927)
Item 14	December 01, 2020	(1712928)
Item 15	December 30, 2020	(1712929)
Item 16	March 09, 2021	(1725987)
Item 17	May 06, 2021	(1725989)
Item 18	June 09, 2021	(1740298)
Item 19	July 02, 2021	(1747667)
Item 20	August 09, 2021	(1751861)
Item 21	August 17, 2021	(1757324)
Item 22	October 13, 2021	(1772550)
Item 23	November 29, 2021	(1783780)
Item 24	December 06, 2021	(1790809)
Item 25	January 12, 2022	(1798600)
Item 27	March 11, 2022	(1806475)
Item 28	October 18, 2022	(1862735)
Item 29	January 11, 2023	(1882320)
Item 30	March 28, 2023	(1898696)
Item 31	April 19, 2023	(1905483)
Item 32	May 08, 2023	(1912665)
Item 33	January 30, 2024	(1968232)
Item 34	February 24, 2024	(1977294)
Item 35	March 19, 2024	(1983861)
Item 36	July 18, 2024	(2011353)
Item 37	August 19, 2024	(2016954)

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.

1	Date: 11/30/2023 (1961638)		
	Self Report? YES	Classification:	Moderate
	Citation: 2D TWC Chapter 26, SubChapter A 26.121(a) 30 TAC Chapter 305, SubChapter F 305.125(1)		
	Description: Failure to meet the limit for one or more permit parameter		
2	Date: 03/31/2024 (1990390)		
	Self Report? YES	Classification:	Moderate
	Citation: 2D TWC Chapter 26, SubChapter A 26.121(a) 30 TAC Chapter 305, SubChapter F 305.125(1)		
	Description: Failure to meet the limit for one or more permit parameter		
3	Date: 04/30/2024 (1996847)		
	Self Report? YES	Classification:	Moderate
	Citation: 2D TWC Chapter 26, SubChapter A 26.121(a) 30 TAC Chapter 305, SubChapter F 305.125(1)		
	Description: Failure to meet the limit for one or more permit parameter		
4	Date: 05/31/2024 (2003799)		
	Self Report? YES	Classification:	Moderate
	Citation: 2D TWC Chapter 26, SubChapter A 26.121(a) 30 TAC Chapter 305, SubChapter F 305.125(1)		
	Description: Failure to meet the limit for one or more permit parameter		

F. Environmental audits:

N/A

G. Type of environmental management systems (EMSs):

N/A

H. Voluntary on-site compliance assessment dates:

Compliance History Report for CN600734487, RN101721652, Rating Year 2024 which includes Compliance History (CH) components from October 03, 2019, through November 04, 2024. Ratings are pending Mass Classification.

N/A

I. Participation in a voluntary pollution reduction program:

N/A

J. Early compliance:

N/A

Sites Outside of Texas:

N/A

DMR DATA

WQ0010131001 - CITY OF BOYD

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				DAILY AV (mg/L)	SINGGRAB (mg/L)	DAILY AV (lb/d)
TX0022632	9/30/2019	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	10/31/2019	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	11/30/2019	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	12/31/2019	001A	BOD, 5-day, 20 deg. C	0.27	2.2	0.55
TX0022632	1/31/2020	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	2/29/2020	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	3/31/2020	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	4/30/2020	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	5/31/2020	001A	BOD, 5-day, 20 deg. C	9.2	36.8	9.9
TX0022632	6/30/2020	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	7/31/2020	001A	BOD, 5-day, 20 deg. C	0.66	3.3	0.44
TX0022632	8/31/2020	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	9/30/2020	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	10/31/2020	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	11/30/2020	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	12/31/2020	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	1/31/2021	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	2/28/2021	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	3/31/2021	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	4/30/2021	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	5/31/2021	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	6/30/2021	001A	BOD, 5-day, 20 deg. C	2.45	6.2	2.06
TX0022632	7/31/2021	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	8/31/2021	001A	BOD, 5-day, 20 deg. C	0.76	3.7	0.92
TX0022632	9/30/2021	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	10/31/2021	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	11/30/2021	001A	BOD, 5-day, 20 deg. C	4.14	5.7	3.33
TX0022632	12/31/2021	001A	BOD, 5-day, 20 deg. C	5.35	24	2.6
TX0022632	1/31/2022	001A	BOD, 5-day, 20 deg. C	2.56	4.67	0.71

TX0022632	2/28/2022	001A	BOD, 5-day, 20 deg. C	15.49	46.7	7.47
TX0022632	3/31/2022	001A	BOD, 5-day, 20 deg. C	13.96	42.3	5.13
TX0022632	4/30/2022	001A	BOD, 5-day, 20 deg. C	2.8	7.7	1.5
TX0022632	5/31/2022	001A	BOD, 5-day, 20 deg. C	8.5	17	5.68
TX0022632	6/30/2022	001A	BOD, 5-day, 20 deg. C	8.45	18	9.2
TX0022632	7/31/2022	001A	BOD, 5-day, 20 deg. C	3.03	6.45	9.8
TX0022632	8/31/2022	001A	BOD, 5-day, 20 deg. C	1.42	3.9	1.1
TX0022632	9/30/2022	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	10/31/2022	001A	BOD, 5-day, 20 deg. C	1.88	7.5	0.92
TX0022632	11/30/2022	001A	BOD, 5-day, 20 deg. C	0.61	1.38	0.24
TX0022632	12/31/2022	001A	BOD, 5-day, 20 deg. C	0.26	1.3	0.02
TX0022632	1/31/2023	001A	BOD, 5-day, 20 deg. C	0.04	0.05	0
TX0022632	2/28/2023	001A	BOD, 5-day, 20 deg. C	0.8	1.66	0.66
TX0022632	3/31/2023	001A	BOD, 5-day, 20 deg. C	1.67	4.25	0.47
TX0022632	4/30/2023	001A	BOD, 5-day, 20 deg. C	1.02	1.54	0.46
TX0022632	5/31/2023	001A	BOD, 5-day, 20 deg. C	3.96	8.58	2.49
TX0022632	6/30/2023	001A	BOD, 5-day, 20 deg. C	22.06	45	16.68
TX0022632	7/31/2023	001A	BOD, 5-day, 20 deg. C	18.45	43	14.7
TX0022632	8/31/2023	001A	BOD, 5-day, 20 deg. C	6.67	14.7	6.2
TX0022632	9/30/2023	001A	BOD, 5-day, 20 deg. C	24.6	47	18.9
TX0022632	10/31/2023	001A	BOD, 5-day, 20 deg. C	83.88	153	66.47
TX0022632	11/30/2023	001A	BOD, 5-day, 20 deg. C	0	0	0
TX0022632	12/31/2023	001A	BOD, 5-day, 20 deg. C	1.69	4	0.77
TX0022632	1/31/2024	001A	BOD, 5-day, 20 deg. C	7.09	11.1	5.51
TX0022632	2/29/2024	001A	BOD, 5-day, 20 deg. C	7.22	21.3	3.65
TX0022632	3/31/2024	001A	BOD, 5-day, 20 deg. C	9.64	24	8.21
TX0022632	4/30/2024	001A	BOD, 5-day, 20 deg. C	2.79	4.57	2.79
TX0022632	5/31/2024	001A	BOD, 5-day, 20 deg. C	5.87	8.47	5.87
TX0022632	6/30/2024	001A	BOD, 5-day, 20 deg. C	1.15	4.03	1.15
TX0022632	7/31/2024	001A	BOD, 5-day, 20 deg. C	6.79	10.5	6.79
TX0022632	8/31/2024	001A	BOD, 5-day, 20 deg. C	16	36.8	16
TX0022632	9/30/2024	001A	BOD, 5-day, 20 deg. C	13.7	22.4	13.7
2 YEAR AVERAGE				9.51	19.05	7.71
5 YEAR AVERAGE				5.19	11.55	4.15

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				MO MIN (mg/L)	MO MAX (mg/L)
TX0022632	9/30/2019	001A	Chlorine, total residual	1.2	3.9
TX0022632	10/31/2019	001A	Chlorine, total residual	1.1	3.4
TX0022632	11/30/2019	001A	Chlorine, total residual	1.1	3.9

TX0022632	12/31/2019	001A	Chlorine, total residual	0.52	3.23
TX0022632	1/31/2020	001A	Chlorine, total residual	1.06	3.7
TX0022632	2/29/2020	001A	Chlorine, total residual	1	4
TX0022632	3/31/2020	001A	Chlorine, total residual	1.3	3.8
TX0022632	4/30/2020	001A	Chlorine, total residual	1	4
TX0022632	5/31/2020	001A	Chlorine, total residual	1	3.9
TX0022632	6/30/2020	001A	Chlorine, total residual	1	4
TX0022632	7/31/2020	001A	Chlorine, total residual	1	4
TX0022632	8/31/2020	001A	Chlorine, total residual	1	3.9
TX0022632	9/30/2020	001A	Chlorine, total residual	1	3.3
TX0022632	10/31/2020	001A	Chlorine, total residual	1	3.1
TX0022632	11/30/2020	001A	Chlorine, total residual	1.9	3.9
TX0022632	12/31/2020	001A	Chlorine, total residual	1.5	3.9
TX0022632	1/31/2021	001A	Chlorine, total residual	1.9	4
TX0022632	2/28/2021	001A	Chlorine, total residual	1.77	4
TX0022632	3/31/2021	001A	Chlorine, total residual	1.1	4
TX0022632	4/30/2021	001A	Chlorine, total residual	1.1	4
TX0022632	5/31/2021	001A	Chlorine, total residual	2.2	4
TX0022632	6/30/2021	001A	Chlorine, total residual	1	3.9
TX0022632	7/31/2021	001A	Chlorine, total residual	1	3.9
TX0022632	8/31/2021	001A	Chlorine, total residual	1.3	3.9
TX0022632	9/30/2021	001A	Chlorine, total residual	1.5	4
TX0022632	10/31/2021	001A	Chlorine, total residual	1	4
TX0022632	11/30/2021	001A	Chlorine, total residual	1.1	2.1
TX0022632	12/31/2021	001A	Chlorine, total residual	1	2.1
TX0022632	1/31/2022	001A	Chlorine, total residual	1	2
TX0022632	2/28/2022	001A	Chlorine, total residual	1	1.7
TX0022632	3/31/2022	001A	Chlorine, total residual	1.1	3.6
TX0022632	4/30/2022	001A	Chlorine, total residual	1.6	3.6
TX0022632	5/31/2022	001A	Chlorine, total residual	1.2	3.1
TX0022632	6/30/2022	001A	Chlorine, total residual	1.2	3.6
TX0022632	7/31/2022	001A	Chlorine, total residual	1	3.6
TX0022632	8/31/2022	001A	Chlorine, total residual	1	3.2
TX0022632	9/30/2022	001A	Chlorine, total residual	1	3.6
TX0022632	10/31/2022	001A	Chlorine, total residual	1	3.5
TX0022632	11/30/2022	001A	Chlorine, total residual	1	3.6
TX0022632	12/31/2022	001A	Chlorine, total residual	1.92	3.9
TX0022632	1/31/2023	001A	Chlorine, total residual	0.5	4.5
TX0022632	2/28/2023	001A	Chlorine, total residual	1.1	3.8
TX0022632	3/31/2023	001A	Chlorine, total residual	1.1	3.8
TX0022632	4/30/2023	001A	Chlorine, total residual	1	3.8

TX0022632	5/31/2023	001A	Chlorine, total residual	1.1	3.9
TX0022632	6/30/2023	001A	Chlorine, total residual	1	2.6
TX0022632	7/31/2023	001A	Chlorine, total residual	1	5
TX0022632	8/31/2023	001A	Chlorine, total residual	1.3	5.6
TX0022632	9/30/2023	001A	Chlorine, total residual	1	4
TX0022632	10/31/2023	001A	Chlorine, total residual	2.4	5.1
TX0022632	11/30/2023	001A	Chlorine, total residual	1.1	3.8
TX0022632	12/31/2023	001A	Chlorine, total residual	1	4
TX0022632	1/31/2024	001A	Chlorine, total residual	1.2	3.8
TX0022632	2/29/2024	001A	Chlorine, total residual	1.2	3.8
TX0022632	3/31/2024	001A	Chlorine, total residual	1.7	3.8
TX0022632	4/30/2024	001A	Chlorine, total residual	1.4	3.9
TX0022632	5/31/2024	001A	Chlorine, total residual	1.2	3.7
TX0022632	6/30/2024	001A	Chlorine, total residual	1.2	3.9
TX0022632	7/31/2024	001A	Chlorine, total residual	1	3.9
TX0022632	8/31/2024	001A	Chlorine, total residual	1.3	4
TX0022632	9/30/2024	001A	Chlorine, total residual	1.4	3.9
2 YEAR AVERAGE				1.20	3.97
5 YEAR AVERAGE				1.19	3.73

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				DAILY AV (CFU/100m	SINGGRAB (CFU/100mL)
TX0022632	9/30/2019	001A	E. coli	<1	<1
TX0022632	10/31/2019	001A	E. coli	<1	<1
TX0022632	11/30/2019	001A	E. coli	90.9	90.9
TX0022632	12/31/2019	001A	E. coli	<1	<1
TX0022632	1/31/2020	001A	E. coli	<1	<1
TX0022632	2/29/2020	001A	E. coli	<1	<1
TX0022632	3/31/2020	001A	E. coli	<1	<1
TX0022632	4/30/2020	001A	E. coli	<1	<1
TX0022632	5/31/2020	001A	E. coli	2	2
TX0022632	6/30/2020	001A	E. coli	<1	<1
TX0022632	7/31/2020	001A	E. coli	<1	<1
TX0022632	8/31/2020	001A	E. coli	93.2	93.2
TX0022632	9/30/2020	001A	E. coli	<1	<1
TX0022632	10/31/2020	001A	E. coli	1	1
TX0022632	11/30/2020	001A	E. coli	<1	<1
TX0022632	12/31/2020	001A	E. coli	2	2
TX0022632	1/31/2021	001A	E. coli	<1	<1
TX0022632	2/28/2021	001A	E. coli	<1	<1

TX0022632	3/31/2021	001A	E. coli	<1	<1
TX0022632	4/30/2021	001A	E. coli	<1	<1
TX0022632	5/31/2021	001A	E. coli	14.1	14.1
TX0022632	6/30/2021	001A	E. coli	<1	<1
TX0022632	7/31/2021	001A	E. coli	5.1	5.1
TX0022632	8/31/2021	001A	E. coli	<1	<1
TX0022632	9/30/2021	001A	E. coli	<1	<1
TX0022632	10/31/2021	001A	E. coli	<1	<1
TX0022632	11/30/2021	001A	E. coli	19.5	19.5
TX0022632	12/31/2021	001A	E. coli	39.3	39.3
TX0022632	1/31/2022	001A	E. coli	8.6	8.6
TX0022632	2/28/2022	001A	E. coli	2419	2419
TX0022632	3/31/2022	001A	E. coli	306	2419
TX0022632	4/30/2022	001A	E. coli	84	816
TX0022632	5/31/2022	001A	E. coli	2420	2420
TX0022632	6/30/2022	001A	E. coli	332	2419.6
TX0022632	7/31/2022	001A	E. coli	159	2419.6
TX0022632	8/31/2022	001A	E. coli	107	2419.6
TX0022632	9/30/2022	001A	E. coli	3	51.2
TX0022632	10/31/2022	001A	E. coli	1	1
TX0022632	11/30/2022	001A	E. coli	2419.6	2419.6
TX0022632	12/31/2022	001A	E. coli	2	19.9
TX0022632	1/31/2023	001A	E. coli	1	1
TX0022632	2/28/2023	001A	E. coli	7	7.5
TX0022632	3/31/2023	001A	E. coli	1	1
TX0022632	4/30/2023	001A	E. coli	1	2
TX0022632	5/31/2023	001A	E. coli	49	2419.6
TX0022632	6/30/2023	001A	E. coli	476	2419
TX0022632	7/31/2023	001A	E. coli	12	2419
TX0022632	8/31/2023	001A	E. coli	13	18.7
TX0022632	9/30/2023	001A	E. coli	51	52
TX0022632	10/31/2023	001A	E. coli	819	2420
TX0022632	11/30/2023	001A	E. coli	91	2419
TX0022632	12/31/2023	001A	E. coli	4.1	4.1
TX0022632	1/31/2024	001A	E. coli	34.2	34.2
TX0022632	2/29/2024	001A	E. coli	8.6	8.6
TX0022632	3/31/2024	001A	E. coli	37	37
TX0022632	4/30/2024	001A	E. coli	242	242
TX0022632	5/31/2024	001A	E. coli	579	579
TX0022632	6/30/2024	001A	E. coli	1	1
TX0022632	7/31/2024	001A	E. coli	4.1	4.1

Zero in Original Data

TX0022632	8/31/2024	001A	E. coli	10.9	328
TX0022632	9/30/2024	001A	E. coli	48.9	48.9
2 YEAR GEOMEAN				17.84	48.25
5 YEAR GEOMEAN				9.42	17.29

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				DAILY AV (MGD)	DAILY MX (MGD)
TX0022632	9/30/2019	001A	Flow, in conduit or thru treatment plant	0.12	0.19
TX0022632	10/31/2019	001A	Flow, in conduit or thru treatment plant	0.10	0.16
TX0022632	11/30/2019	001A	Flow, in conduit or thru treatment plant	0.10	0.19
TX0022632	12/31/2019	001A	Flow, in conduit or thru treatment plant	0.06	0.08
TX0022632	1/31/2020	001A	Flow, in conduit or thru treatment plant	0.11	0.28
TX0022632	2/29/2020	001A	Flow, in conduit or thru treatment plant	0.09	0.18
TX0022632	3/31/2020	001A	Flow, in conduit or thru treatment plant	0.12	0.24
TX0022632	4/30/2020	001A	Flow, in conduit or thru treatment plant	0.10	0.22
TX0022632	5/31/2020	001A	Flow, in conduit or thru treatment plant	0.13	0.32
TX0022632	6/30/2020	001A	Flow, in conduit or thru treatment plant	0.12	0.26
TX0022632	7/31/2020	001A	Flow, in conduit or thru treatment plant	0.10	0.16
TX0022632	8/31/2020	001A	Flow, in conduit or thru treatment plant	0.09	0.13
TX0022632	9/30/2020	001A	Flow, in conduit or thru treatment plant	0.08	0.13
TX0022632	10/31/2020	001A	Flow, in conduit or thru treatment plant	0.07	0.16
TX0022632	11/30/2020	001A	Flow, in conduit or thru treatment plant	0.06	0.09
TX0022632	12/31/2020	001A	Flow, in conduit or thru treatment plant	0.06	0.10
TX0022632	1/31/2021	001A	Flow, in conduit or thru treatment plant	0.05	0.09
TX0022632	2/28/2021	001A	Flow, in conduit or thru treatment plant	0.05	0.10
TX0022632	3/31/2021	001A	Flow, in conduit or thru treatment plant	0.06	0.14
TX0022632	4/30/2021	001A	Flow, in conduit or thru treatment plant	0.07	0.15
TX0022632	5/31/2021	001A	Flow, in conduit or thru treatment plant	0.10	0.24
TX0022632	6/30/2021	001A	Flow, in conduit or thru treatment plant	0.10	0.22
TX0022632	7/31/2021	001A	Flow, in conduit or thru treatment plant	0.08	0.11
TX0022632	8/31/2021	001A	Flow, in conduit or thru treatment plant	0.10	0.19
TX0022632	9/30/2021	001A	Flow, in conduit or thru treatment plant	0.07	0.10
TX0022632	10/31/2021	001A	Flow, in conduit or thru treatment plant	0.07	0.20
TX0022632	11/30/2021	001A	Flow, in conduit or thru treatment plant	0.09	0.14
TX0022632	12/31/2021	001A	Flow, in conduit or thru treatment plant	0.05	0.09
TX0022632	1/31/2022	001A	Flow, in conduit or thru treatment plant	0.04	0.13
TX0022632	2/28/2022	001A	Flow, in conduit or thru treatment plant	0.05	0.10
TX0022632	3/31/2022	001A	Flow, in conduit or thru treatment plant	0.06	0.15
TX0022632	4/30/2022	001A	Flow, in conduit or thru treatment plant	0.07	0.18
TX0022632	5/31/2022	001A	Flow, in conduit or thru treatment plant	0.10	0.30

TX0022632	6/30/2022	001A	Flow, in conduit or thru treatment plant	0.10	0.23
TX0022632	7/31/2022	001A	Flow, in conduit or thru treatment plant	0.09	0.13
TX0022632	8/31/2022	001A	Flow, in conduit or thru treatment plant	0.10	0.22
TX0022632	9/30/2022	001A	Flow, in conduit or thru treatment plant	0.08	0.26
TX0022632	10/31/2022	001A	Flow, in conduit or thru treatment plant	0.07	0.02
TX0022632	11/30/2022	001A	Flow, in conduit or thru treatment plant	0.06	0.16
TX0022632	12/31/2022	001A	Flow, in conduit or thru treatment plant	0.06	0.00
TX0022632	1/31/2023	001A	Flow, in conduit or thru treatment plant	0.04	0.10
TX0022632	2/28/2023	001A	Flow, in conduit or thru treatment plant	0.07	0.10
TX0022632	3/31/2023	001A	Flow, in conduit or thru treatment plant	0.05	0.05
TX0022632	4/30/2023	001A	Flow, in conduit or thru treatment plant	0.06	0.06
TX0022632	5/31/2023	001A	Flow, in conduit or thru treatment plant	0.07	0.16
TX0022632	6/30/2023	001A	Flow, in conduit or thru treatment plant	0.08	0.15
TX0022632	7/31/2023	001A	Flow, in conduit or thru treatment plant	0.08	0.17
TX0022632	8/31/2023	001A	Flow, in conduit or thru treatment plant	0.09	0.15
TX0022632	9/30/2023	001A	Flow, in conduit or thru treatment plant	0.10	0.14
TX0022632	10/31/2023	001A	Flow, in conduit or thru treatment plant	0.10	0.33
TX0022632	11/30/2023	001A	Flow, in conduit or thru treatment plant	0.06	0.10
TX0022632	12/31/2023	001A	Flow, in conduit or thru treatment plant	0.07	0.18
TX0022632	1/31/2024	001A	Flow, in conduit or thru treatment plant	0.07	0.13
TX0022632	2/29/2024	001A	Flow, in conduit or thru treatment plant	0.07	0.13
TX0022632	3/31/2024	001A	Flow, in conduit or thru treatment plant	0.10	0.26
TX0022632	4/30/2024	001A	Flow, in conduit or thru treatment plant	0.14	0.33
TX0022632	5/31/2024	001A	Flow, in conduit or thru treatment plant	0.16	0.35
TX0022632	6/30/2024	001A	Flow, in conduit or thru treatment plant	0.12	0.28
TX0022632	7/31/2024	001A	Flow, in conduit or thru treatment plant	0.11	0.14
TX0022632	8/31/2024	001A	Flow, in conduit or thru treatment plant	0.12	0.16
TX0022632	9/30/2024	001A	Flow, in conduit or thru treatment plant	0.11	0.17
2 YEAR AVERAGE				0.09	0.16
5 YEAR AVERAGE				0.08	0.17

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MO MIN (mg/L)
TX0022632	9/30/2019	001A	Oxygen, dissolved [DO]	6.6
TX0022632	10/31/2019	001A	Oxygen, dissolved [DO]	6.3
TX0022632	11/30/2019	001A	Oxygen, dissolved [DO]	7.09
TX0022632	12/31/2019	001A	Oxygen, dissolved [DO]	8.6
TX0022632	1/31/2020	001A	Oxygen, dissolved [DO]	8.9
TX0022632	2/29/2020	001A	Oxygen, dissolved [DO]	8.6
TX0022632	3/31/2020	001A	Oxygen, dissolved [DO]	7.6

TX0022632	4/30/2020	001A	Oxygen, dissolved [DO]	7.6
TX0022632	5/31/2020	001A	Oxygen, dissolved [DO]	5
TX0022632	6/30/2020	001A	Oxygen, dissolved [DO]	6.5
TX0022632	7/31/2020	001A	Oxygen, dissolved [DO]	6.8
TX0022632	8/31/2020	001A	Oxygen, dissolved [DO]	6.8
TX0022632	9/30/2020	001A	Oxygen, dissolved [DO]	6.8
TX0022632	10/31/2020	001A	Oxygen, dissolved [DO]	7.1
TX0022632	11/30/2020	001A	Oxygen, dissolved [DO]	8.2
TX0022632	12/31/2020	001A	Oxygen, dissolved [DO]	6.8
TX0022632	1/31/2021	001A	Oxygen, dissolved [DO]	8.4
TX0022632	2/28/2021	001A	Oxygen, dissolved [DO]	8
TX0022632	3/31/2021	001A	Oxygen, dissolved [DO]	8
TX0022632	4/30/2021	001A	Oxygen, dissolved [DO]	8.1
TX0022632	5/31/2021	001A	Oxygen, dissolved [DO]	7.7
TX0022632	6/30/2021	001A	Oxygen, dissolved [DO]	6.8
TX0022632	7/31/2021	001A	Oxygen, dissolved [DO]	6.5
TX0022632	8/31/2021	001A	Oxygen, dissolved [DO]	6.4
TX0022632	9/30/2021	001A	Oxygen, dissolved [DO]	6.2
TX0022632	10/31/2021	001A	Oxygen, dissolved [DO]	7
TX0022632	11/30/2021	001A	Oxygen, dissolved [DO]	7
TX0022632	12/31/2021	001A	Oxygen, dissolved [DO]	6.7
TX0022632	1/31/2022	001A	Oxygen, dissolved [DO]	9.3
TX0022632	2/28/2022	001A	Oxygen, dissolved [DO]	8.9
TX0022632	3/31/2022	001A	Oxygen, dissolved [DO]	8.4
TX0022632	4/30/2022	001A	Oxygen, dissolved [DO]	6.7
TX0022632	5/31/2022	001A	Oxygen, dissolved [DO]	6.7
TX0022632	6/30/2022	001A	Oxygen, dissolved [DO]	6.9
TX0022632	7/31/2022	001A	Oxygen, dissolved [DO]	7.3
TX0022632	8/31/2022	001A	Oxygen, dissolved [DO]	6.8
TX0022632	9/30/2022	001A	Oxygen, dissolved [DO]	6.3
TX0022632	10/31/2022	001A	Oxygen, dissolved [DO]	6.2
TX0022632	11/30/2022	001A	Oxygen, dissolved [DO]	7.9
TX0022632	12/31/2022	001A	Oxygen, dissolved [DO]	7.4
TX0022632	1/31/2023	001A	Oxygen, dissolved [DO]	6.7
TX0022632	2/28/2023	001A	Oxygen, dissolved [DO]	8.9
TX0022632	3/31/2023	001A	Oxygen, dissolved [DO]	7.4
TX0022632	4/30/2023	001A	Oxygen, dissolved [DO]	7.5
TX0022632	5/31/2023	001A	Oxygen, dissolved [DO]	6.2
TX0022632	6/30/2023	001A	Oxygen, dissolved [DO]	4.3
TX0022632	7/31/2023	001A	Oxygen, dissolved [DO]	5.6
TX0022632	8/31/2023	001A	Oxygen, dissolved [DO]	6

TX0022632	9/30/2023	001A	Oxygen, dissolved [DO]	6.4
TX0022632	10/31/2023	001A	Oxygen, dissolved [DO]	5.4
TX0022632	11/30/2023	001A	Oxygen, dissolved [DO]	6.9
TX0022632	12/31/2023	001A	Oxygen, dissolved [DO]	9.3
TX0022632	1/31/2024	001A	Oxygen, dissolved [DO]	8.4
TX0022632	2/29/2024	001A	Oxygen, dissolved [DO]	6.9
TX0022632	3/31/2024	001A	Oxygen, dissolved [DO]	4.6
TX0022632	4/30/2024	001A	Oxygen, dissolved [DO]	5.53
TX0022632	5/31/2024	001A	Oxygen, dissolved [DO]	6.44
TX0022632	6/30/2024	001A	Oxygen, dissolved [DO]	7.9
TX0022632	7/31/2024	001A	Oxygen, dissolved [DO]	6.6
TX0022632	8/31/2024	001A	Oxygen, dissolved [DO]	4.3
TX0022632	9/30/2024	001A	Oxygen, dissolved [DO]	5.3
2 YEAR AVERAGE				6.57
5 YEAR AVERAGE				7.01

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				MINIMUM (SU)	MAXIMUM (SU)
TX0022632	9/30/2019	001A	pH	7.66	7.66
TX0022632	10/31/2019	001A	pH	7.56	7.56
TX0022632	11/30/2019	001A	pH	6.7	6.7
TX0022632	12/31/2019	001A	pH	7.31	7.31
TX0022632	1/31/2020	001A	pH	7.17	7.17
TX0022632	2/29/2020	001A	pH	7.31	7.31
TX0022632	3/31/2020	001A	pH	7.49	7.49
TX0022632	4/30/2020	001A	pH	7.81	7.81
TX0022632	5/31/2020	001A	pH	7.7	7.7
TX0022632	6/30/2020	001A	pH	7.3	7.3
TX0022632	7/31/2020	001A	pH	7.78	7.78
TX0022632	8/31/2020	001A	pH	7.87	7.87
TX0022632	9/30/2020	001A	pH	7.72	7.72
TX0022632	10/31/2020	001A	pH	7.55	7.55
TX0022632	11/30/2020	001A	pH	7.96	7.96
TX0022632	12/31/2020	001A	pH	7.35	7.35
TX0022632	1/31/2021	001A	pH	7.59	7.59
TX0022632	2/28/2021	001A	pH	7.48	7.48
TX0022632	3/31/2021	001A	pH	7.37	7.37
TX0022632	4/30/2021	001A	pH	7.34	7.34
TX0022632	5/31/2021	001A	pH	7.5	7.5
TX0022632	6/30/2021	001A	pH	7.98	7.98

TX0022632	7/31/2021	001A	pH	7.66	7.66
TX0022632	8/31/2021	001A	pH	7.6	7.6
TX0022632	9/30/2021	001A	pH	7.55	7.55
TX0022632	10/31/2021	001A	pH	7.68	7.68
TX0022632	11/30/2021	001A	pH	7.31	7.31
TX0022632	12/31/2021	001A	pH	7.05	7.5
TX0022632	1/31/2022	001A	pH	7.63	7.63
TX0022632	2/28/2022	001A	pH	7.05	7.05
TX0022632	3/31/2022	001A	pH	7.68	7.68
TX0022632	4/30/2022	001A	pH	7.45	7.51
TX0022632	5/31/2022	001A	pH	7.47	7.59
TX0022632	6/30/2022	001A	pH	7.22	7.66
TX0022632	7/31/2022	001A	pH	7.95	8.08
TX0022632	8/31/2022	001A	pH	7.62	7.98
TX0022632	9/30/2022	001A	pH	7.43	7.67
TX0022632	10/31/2022	001A	pH	7.2	9.1
TX0022632	11/30/2022	001A	pH	7.3	8.04
TX0022632	12/31/2022	001A	pH	7.13	7.34
TX0022632	1/31/2023	001A	pH	7.13	7.89
TX0022632	2/28/2023	001A	pH	7.42	7.93
TX0022632	3/31/2023	001A	pH	7.4	7.65
TX0022632	4/30/2023	001A	pH	7.44	7.73
TX0022632	5/31/2023	001A	pH	7.38	7.7
TX0022632	6/30/2023	001A	pH	7.55	7.99
TX0022632	7/31/2023	001A	pH	7.43	7.57
TX0022632	8/31/2023	001A	pH	7.41	7.96
TX0022632	9/30/2023	001A	pH	7.46	8.05
TX0022632	10/31/2023	001A	pH	6.63	7.43
TX0022632	11/30/2023	001A	pH	7.48	7.82
TX0022632	12/31/2023	001A	pH	7.56	7.59
TX0022632	1/31/2024	001A	pH	7.49	7.73
TX0022632	2/29/2024	001A	pH	7.51	7.8
TX0022632	3/31/2024	001A	pH	6.2	7.96
TX0022632	4/30/2024	001A	pH	5.5	7.8
TX0022632	5/31/2024	001A	pH	7.6	7.74
TX0022632	6/30/2024	001A	pH	8	9
TX0022632	7/31/2024	001A	pH	7.91	8.05
TX0022632	8/31/2024	001A	pH	7.35	8.05
TX0022632	9/30/2024	001A	pH	5.3	7.96
2 YEAR AVERAGE				7.21	7.90
5 YEAR AVERAGE				7.39	7.70

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				DAILY AV (mg/L)	SINGGRAB (mg/L)	DAILY AV (lb/d)
TX0022632	9/30/2019	001A	Solids, total suspended	3.33	4	3.63
TX0022632	10/31/2019	001A	Solids, total suspended	2.3	4.6	2.37
TX0022632	11/30/2019	001A	Solids, total suspended	2.88	6	1.46
TX0022632	12/31/2019	001A	Solids, total suspended	3.5	6	2
TX0022632	1/31/2020	001A	Solids, total suspended	0.83	3.3	0.89
TX0022632	2/29/2020	001A	Solids, total suspended	1.23	4.9	1
TX0022632	3/31/2020	001A	Solids, total suspended	0.66	3.6	0.82
TX0022632	4/30/2020	001A	Solids, total suspended	1.6	2.9	1.1
TX0022632	5/31/2020	001A	Solids, total suspended	9.2	41.1	19
TX0022632	6/30/2020	001A	Solids, total suspended	8.8	16	7.47
TX0022632	7/31/2020	001A	Solids, total suspended	3.4	4.1	2.38
TX0022632	8/31/2020	001A	Solids, total suspended	5.63	16.6	3.2
TX0022632	9/30/2020	001A	Solids, total suspended	3.7	5.9	3.25
TX0022632	10/31/2020	001A	Solids, total suspended	1.7	5.6	0.85
TX0022632	11/30/2020	001A	Solids, total suspended	0.73	2.9	0.36
TX0022632	12/31/2020	001A	Solids, total suspended	3.2	4	1.3
TX0022632	1/31/2021	001A	Solids, total suspended	1.45	5.8	0.82
TX0022632	2/28/2021	001A	Solids, total suspended	4.35	7.3	2.09
TX0022632	3/31/2021	001A	Solids, total suspended	7.85	15	2.83
TX0022632	4/30/2021	001A	Solids, total suspended	5.3	6	3.21
TX0022632	5/31/2021	001A	Solids, total suspended	0	0	0
TX0022632	6/30/2021	001A	Solids, total suspended	0.9	3.6	0.9
TX0022632	7/31/2021	001A	Solids, total suspended	3.12	4	2.3
TX0022632	8/31/2021	001A	Solids, total suspended	2.4	6.2	3.23
TX0022632	9/30/2021	001A	Solids, total suspended	3.28	4	2.2
TX0022632	10/31/2021	001A	Solids, total suspended	3.25	4	2.49
TX0022632	11/30/2021	001A	Solids, total suspended	9.62	11.3	7.44
TX0022632	12/31/2021	001A	Solids, total suspended	3.71	8	1.88
TX0022632	1/31/2022	001A	Solids, total suspended	1.35	4.52	0.39
TX0022632	2/28/2022	001A	Solids, total suspended	23.23	50	10.71
TX0022632	3/31/2022	001A	Solids, total suspended	18.29	50	7.05
TX0022632	4/30/2022	001A	Solids, total suspended	4.28	5.6	2.69
TX0022632	5/31/2022	001A	Solids, total suspended	7.5	14.7	4.83
TX0022632	6/30/2022	001A	Solids, total suspended	10.03	10.3	8.66
TX0022632	7/31/2022	001A	Solids, total suspended	4.87	4.7	3.74
TX0022632	8/31/2022	001A	Solids, total suspended	4.86	11.2	4.4
TX0022632	9/30/2022	001A	Solids, total suspended	2.05	4.78	1.26

TX0022632	10/31/2022	001A	Solids, total suspended	4.53	15.3	1.94
TX0022632	11/30/2022	001A	Solids, total suspended	8.25	11.2	3.17
TX0022632	12/31/2022	001A	Solids, total suspended	11.76	29	3.18
TX0022632	1/31/2023	001A	Solids, total suspended	11.51	18.5	4.29
TX0022632	2/28/2023	001A	Solids, total suspended	6.01	7	3.82
TX0022632	3/31/2023	001A	Solids, total suspended	5.08	8.8	2.06
TX0022632	4/30/2023	001A	Solids, total suspended	3.85	6.3	1.92
TX0022632	5/31/2023	001A	Solids, total suspended	8.7	17.8	4.99
TX0022632	6/30/2023	001A	Solids, total suspended	26.9	48	22.84
TX0022632	7/31/2023	001A	Solids, total suspended	33.4	52	28.64
TX0022632	8/31/2023	001A	Solids, total suspended	23.83	31	21.1
TX0022632	9/30/2023	001A	Solids, total suspended	79.02	98	62.41
TX0022632	10/31/2023	001A	Solids, total suspended	62.13	98	52.32
TX0022632	11/30/2023	001A	Solids, total suspended	17.79	26	8.89
TX0022632	12/31/2023	001A	Solids, total suspended	4.46	7	2.24
TX0022632	1/31/2024	001A	Solids, total suspended	13.25	23.3	10.35
TX0022632	2/29/2024	001A	Solids, total suspended	13.85	27	7.15
TX0022632	3/31/2024	001A	Solids, total suspended	26.5	51	22.12
TX0022632	4/30/2024	001A	Solids, total suspended	13.1	37.5	13.1
TX0022632	5/31/2024	001A	Solids, total suspended	4.5	10.8	8.18
TX0022632	6/30/2024	001A	Solids, total suspended	3.23	5	3.23
TX0022632	7/31/2024	001A	Solids, total suspended	5.88	7.5	5.88
TX0022632	8/31/2024	001A	Solids, total suspended	6.33	10.6	6.33
TX0022632	9/30/2024	001A	Solids, total suspended	13	13	13
2 YEAR AVERAGE				16.36	26.58	12.58
5 YEAR AVERAGE				9.53	16.76	7.17

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (N=0;Y=1)
TX0022632	7/31/2020	SLDF	Compliance w/part 258 sludge requirement	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0022632	7/31/2020	SLDP	Annual amount of sludge land applied	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)

TX0022632	7/31/2020	SLDP	Annual amt of sludge incinerated	0
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EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0022632	7/31/2020	SLDP	Annual amt sludge disposed in landfill	153

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0022632	7/31/2020	SLDP	Annual amt. sludge disposed surface unit	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0022632	7/31/2020	SLDP	Annual amt sludge transported interstate	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0022632	7/31/2020	SLDP	Annual sludge production, total	153

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL MAX (mg/kg)
TX0022632	7/31/2020	SLDP	Polychlorinated biphenyls [PCBs]	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MO AV MN (pass=0;fail=1)
TX0022632	7/31/2020	SLDP	Toxicity characteristic leaching procedure	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				ANNL TOT (DMT/y)
TX0022632	7/31/2020	SLDP	Ann. amt sludge disposed by other method	0

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MX VALUE (met t/ha/yr)
TX0022632	7/31/2020	SLLA	Annual whole sludge application rate	NODI=C

EPA ID				Reported Measure	Reported Measure	Reported Measure
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	Monitoring Period	Outfall	Parameter	SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0022632	7/31/2020	SLLA	Arsenic, dry weight	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0022632	7/31/2020	SLLA	Cadmium, dry weight	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0022632	7/31/2020	SLLA	Chromium, sludge, total, dry weight [as Cr]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0022632	7/31/2020	SLLA	Copper, dry weight	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0022632	7/31/2020	SLLA	Lead, sludge, total, dry weight [as Pb]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0022632	7/31/2020	SLLA	Mercury, sludge, total, dry weight [as Hg]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0022632	7/31/2020	SLLA	Molybdenum, sludge, total, dry weight [as Mo]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0022632	7/31/2020	SLLA	Nickel, sludge, total, dry weight [as Ni]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure	Reported Measure
				SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0022632	7/31/2020	SLLA	Selenium, dry weight	NODI=C	NODI=C	NODI=C

EPA ID				Reported Measure	Reported Measure	Reported Measure
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	Monitoring Period	Outfall	Parameter	SINGSAMP (mg/kg)	MAXIMUM (mg/kg)	MX VALUE (lb/acr)
TX0022632	7/31/2020	SLLA	Zinc, sludge, total, dry weight [as Zn]	NODI=C	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (table #)
TX0022632	7/31/2020	SLLA	Pollutant table from 503.13	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (alt #)
TX0022632	7/31/2020	SLLA	Description of pathogen option used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (alt #)
TX0022632	7/31/2020	SLLA	Vector attraction reduction alternative used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MX VALUE (state class)
TX0022632	7/31/2020	SLLA	Level of pathogen requirements achieved	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MAXIMUM (MPN/g)
TX0022632	7/31/2020	SLLY	Fecal coliform	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MAXIMUM (MPN/g)
TX0022632	7/31/2020	SLLY	Salmonella	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				ALLWCONC (mg/kg)	SINGSAMP (mg/kg)
TX0022632	7/31/2020	SLSA	Arsenic, dry weight	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (acr)
TX0022632	7/31/2020	SLSA	Boundary areas	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				ALLWCONC (mg/kg)	SINGSAMP (mg/kg)
TX0022632	7/31/2020	SLSA	Chromium, sludge, total, dry weight [as Cr]	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (alt #)
TX0022632	7/31/2020	SLSA	Description of pathogen option used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure	Reported Measure
				ALLWCONC (mg/kg)	SINGSAMP (mg/kg)
TX0022632	7/31/2020	SLSA	Nickel, total [as Ni]	NODI=C	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				MINIMUM (SU)
TX0022632	7/31/2020	SLSA	pH	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (N=0;Y=1)
TX0022632	7/31/2020	SLSA	Unit w/liner/leachate collection system	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				VALUE (alt #)
TX0022632	7/31/2020	SLSA	Vector attraction reduction alternative used	NODI=C

EPA ID	Monitoring Period	Outfall	Parameter	Reported Measure
				SINGSAMP (state class)
TX0022632	7/31/2020	SLSA	Level of pathogen requirements achieved	NODI=C

Senate Bill 709 (84th Legislative Session, 2015) amended the Texas Water Code by adding new Section 5.5553, which requires the Texas Commission on Environmental Quality (TCEQ) to provide written notice to you at least thirty (30) days prior to the TCEQ's issuance of draft permits for applications that are located in your district.

City of Boyd, P.O. Box 216, Boyd, Texas 76023, has applied to the TCEQ to amend Texas Pollutant Discharge Elimination System Permit No. WQ0010131001 (EPA I.D. No. TX0022632) to authorize an increase to the discharge of treated wastewater to a volume not to exceed a daily average flow of 980,000 gallons per day. The domestic wastewater treatment facility is located approximately 2,200 feet northeast of the intersection of Farm-to-Market Road 730 and State Highway 114, in the city of Boyd, Wise County, Texas 76023. The discharge route is from the plant site directly to West Fork Trinity River Below Bridgeport Reservoir in Segment No. 0810 of the Trinity River Basin. TCEQ received this application on October 3, 2024. The permit application will be available for viewing and copying at Boyd City Hall, 731 East Rock Island Avenue, Boyd, in Wise County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.551388,33.081111&level=18>

TCEQ is preparing the initial draft permit. At the time the draft permit is issued, the applicant will be required to publish notice in a newspaper of general circulation, and the TCEQ will provide a copy of the notice of draft permit to persons who have requested to be on a mailing list.

Questions regarding this application may be directed to Mr. Deba Dutta, P.E., by calling 512-239-4608.

Issuance Date: _____

Texas Commission on Environmental Quality

INTEROFFICE MEMORANDUM

Date: 10/22/2024

To: Municipal Permits Team

Thru: Colleen Cook, Pretreatment Team Leader

From: Nathan Rothschild, Pretreatment Coordinator

Subject: Pretreatment program option for the TPDES Permit No. WQ0010131001, City of Boyd – City of Boyd WWTP summary sheet

I have reviewed the above referenced permit and have determined that the publicly-owned treatment works (POTW) receives the standard pretreatment language.

Option 1: This general pretreatment boilerplate language should be put in TPDES permits for all POTWs that do not have either an approved pretreatment program or requirement to develop a new pretreatment program.

Within this standard language, the Pretreatment Program has not incorporated additional pretreatment language requirements. Please incorporate the following language for permittee's FACT SHEET, if applicable, under:

1. INDUSTRIAL WASTE CONTRIBUTION

The City of Boyd WWTP does not appear to receive significant industrial wastewater contributions. Based on the information provided by the permittee in the most recent TPDES permit application, the TCEQ determined that there are no significant industrial wastewater contributions currently being discharged to the permittee's POTW.

2. PRETREATMENT REQUIREMENTS

Permit requirements for pretreatment are based on TPDES regulations contained in 30 TAC Chapter 305 which references 40 CFR Part 403, General Pretreatment Regulations for Existing and New Sources of Pollution [*rev. Federal Register/ Vol. 70/ No. 198/ Friday, October 14, 2005/ Rules and Regulations, pages 60134-60798*]. The permit includes specific requirements that establish responsibilities of local government, industry, and the public to implement the standards to control pollutants which pass through or interfere with treatment processes in publicly owned treatment works or which may contaminate the sewage sludge. This permit has appropriate pretreatment language for a facility of this size and complexity.

3. SUMMARY OF CHANGES FROM EXISTING PERMIT

The pretreatment language has not been updated from the current permit. The pretreatment requirements will continue until permit expiration.

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

From: Xing Lu, P.E. *Xing Lu*
Modeler, Water Quality Assessment Team
Water Quality Assessment Section

Date: June 3, 2025

Subject: City of Boyd
Permit Amendment (WQ0010131001, TX0022632)
Discharge to West Fork Trinity Below Bridgeport Reservoir (Segment No. 0810)

The referenced applicant is seeking an amendment of their permit authorizing the discharge of treated domestic wastewater into the watershed of West Fork Trinity Below Bridgeport Reservoir (Segment No. 0810). The amendment is to increase the final flow from 0.24 MGD to 0.98 MGD and add an interim phase of 0.48 MGD. A dissolved oxygen analysis of the referenced discharge was conducted using a default QUAL-TX model for an interim I phase of 0.24 MGD, an interim II phase flow of 0.48 MGD and a final phase flow of 0.98 MGD. The facility is located in Wise County.

Based on model results, the effluent limits of **20 mg/L BOD₅ and 2.0 mg/L DO**, modeled with 12.0 mg/L NH₃-N for an interim I phase flow of 0.24 MGD, **10 mg/L CBOD₅, 3.0 mg/L NH₃-N and 4.0 mg/L DO for both 0.48 MGD and 0.98 MGD** are predicted to be **necessary** to maintain dissolved oxygen levels above the criterion stipulated by the Standards Implementation Team for West Fork Trinity below Bridgeport Reservoir (5.0 mg/L). However, the self-reported level of NH₃-N in the application is 40.5 mg/L, which is higher than the assumed value. To gain a better understanding of the oxygen demand represented by this discharge on the receiving waters, I recommend the inclusion of NH₃-N monitoring for the Interim I phase, which can be set to expire with the permit.

Coefficients and kinetics used in the model are standardized default values. The results of this evaluation can be reexamined upon receipt of information which conflicts with the assumptions employed in this analysis.

Segment No. 0810 is currently listed on the State's inventory of impaired and threatened waters, the **2022** Clean Water Act Section 303(d) list. The listing is specifically for elevated bacteria levels in the lower 25 miles of the Segment (AU 0810_01).

The effluent limits recommended above have been reviewed for consistency with the State of Texas Water Quality Management Plan (WQMP). The proposed limits are not contained in the approved WQMP. However, these limits will be included in the next WQMP update.

TCEQ Interoffice Memorandum

To: Municipal Permits Team
Wastewater Permitting Section

From: Jeff Paull, Standards Implementation Team
Water Quality Assessment Section
Water Quality Division

Thru: Brad Caston, Standards Implementation Team Peer Review
Water Quality Assessment Section
Water Quality Division

Date: November 5, 2024

Subject: City of Boyd; Permit no. WQ0010131001
Amendment; Application received 10/3/2024

The discharge route for the above referenced permit is directly to West Fork Trinity River Below Bridgeport Reservoir in Segment 0810 of the Trinity River Basin. The designated uses and dissolved oxygen criterion as stated in Appendix A of the Texas Surface Water Quality Standards (30 Texas Administrative Code §307.10) for Segment 0810 are primary contact recreation, public water supply, high aquatic life use, and 5.0 mg/L dissolved oxygen.

In accordance with 30 Texas Administrative Code §307.5 and the TCEQ Procedures to Implement the Texas Surface Water Quality Standards (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in West Fork Trinity River Below Bridgeport Reservoir, which has been identified as having high aquatic life uses. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

The discharge from this permit action is not expected to have an effect on any federal endangered or threatened aquatic or aquatic dependent species or proposed species or their critical habitat. This determination is based on the United States Fish and Wildlife Service's (USFWS) biological opinion on the State of Texas authorization of the Texas Pollutant Discharge Elimination System (TPDES; September 14, 1998; October 21, 1998 update). To make this determination for TPDES permits, TCEQ and EPA only considered aquatic or aquatic dependent species occurring in watersheds of critical

concern or high priority as listed in Appendix A of the USFWS biological opinion. The determination is subject to reevaluation due to subsequent updates or amendments to the biological opinion. The permit does not require EPA review with respect to the presence of endangered or threatened species.