

Texas Commission on Environmental Quality

INTEROFFICE MEMORANDUM

To: Office of Chief Clerk **DATE:** 10/28/2016

From: Linda Horng
Staff Attorney
Environmental Law Division

Subject: Backup Documents Filed for Consideration of Hearing Requests at
Agenda

Applicant: Honey Holding I, Ltd.
Proposed Permit No.: WQ0005155000
Program: Water
Docket No.: TCEQ Docket No. 2016-1284-IWD

Enclosed please find a copy of the following documents for inclusion in the backup material for this permit application:

- Draft permit¹
- Fact sheet and ED's preliminary decision¹
- Compliance history report

cc: Ernie and Patsy Battle, 136 Copperwood Loop, Lufkin, Texas 75901-8889

¹ The ED has made changes to the draft permit and fact sheet to change the expiration date of the draft permit from 2018 to 2020 and to correct the daily average flow.



TPDES PERMIT NO. WQ0005155000
[For TCEQ office use only -
EPA I.D. No. TX0136107]

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

P.O. Box 13087
Austin, Texas 78711-3087

PERMIT TO DISCHARGE WASTES

under provisions of

Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

Honey Holding I Ltd.

whose mailing address is

11711 Interstate 10 East
Baytown, Texas 77523

is authorized to treat and discharge wastes from Honey Solutions (SIC 2099)

located on the north frontage road at 11711 Interstate 10 East, approximately 2 miles east of the intersection of Interstate 10 and State Highway 146 South, in Baytown, Chambers County, Texas 77523

to a roadside ditch; thence to Cedar Bayou Tidal in Segment No. 0901 of the Trinity-San Jacinto Coastal 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 on August 1, 2020.

ISSUED DATE:

For the Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfall Number 001

1. During the period beginning upon the date of permit issuance and lasting through the date of permit expiration, the permittee is authorized to discharge honey container washwater subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.005 million gallons per day (MGD). The daily maximum flow shall not exceed 0.006 MGD.

Effluent Characteristics	Discharge Limitations		Minimum Self-Monitoring Requirements	
	Daily Average mg/L	Daily Maximum mg/L	Single Grab mg/L	Report Daily Average and Daily Maximum Measurement Frequency Sample Type
Flow, MGD	0.005	0.006	N/A	1/day Estimate
Total Suspended Solids	30	100	150	1/week Grab
Biochemical Oxygen Demand (5-day)	Report	130	190	1/week Grab

2. The pH must not be less than 6.0 standard units nor greater than 9.0 standard units and must be monitored 1/day by grab sample.
3. There must be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
4. Effluent monitoring samples must be taken at the following location: at Outfall 001, located at the east end of the property.

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 Texas Water Code §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 a 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 (Fecal coliform, *E. coli*, or Enterococci) – the number of colonies 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 substitute 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 $(\text{Flow, MGD} \times \text{Concentration, mg/L} \times 8.34)$.
- 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(c).
- b. Grab sample - an individual sample collected in less than 15 minutes.

4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation 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. 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, a monthly effluent report shall be submitted each month, to the Enforcement Division

(MC 224), by the 20th day of the following month for each discharge that is described by this permit whether or not a discharge is made for that month. Monitoring results must be reported on an approved self-report form that is 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; TWC Chapters 26, 27, and 28; and THSC Chapter 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record, or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

2. Test Procedures

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

3. Records of Results

- a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.
- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (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 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 that may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.
 - b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:
 - i. unauthorized discharges as defined in Permit Condition 2(g).
 - ii. any unanticipated bypass 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 that 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 that 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) that 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 that would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant that 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 Publicly Owned Treatment Works (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 that 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 that 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 Texas Water Code §§7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties) 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 Chapter 361.
- b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit, or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or

there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in 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 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 that are not described in the permit application or that 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 that 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 Texas Water Code 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(15)) controlling the permittee or listing the permit or permittee as property of the estate; or
 - iii. an affiliate (as that term is defined in 11 USC, §101(2)) of the permittee.
- b. This notification must indicate:
 - i. the name of the permittee;
 - ii. the permit number(s);
 - iii. the bankruptcy court in which the petition for bankruptcy was filed; and
 - iv. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.
2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§319.21 - 319.29 concerning the discharge of certain hazardous metals.
3. Domestic wastewater treatment facilities shall comply with the following provisions:
 - a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.
 - b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment 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 that 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 149) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.
 - b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission, and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.
 - c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.
9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.
10. 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 Remediation Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC §335.5.
- e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.
- f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:
 - i. volume of waste and date(s) generated from treatment process;
 - 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 Chapter 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with THSC Code Chapter 361.

OTHER REQUIREMENTS

1. Violations of daily maximum limitations for the following pollutants shall be reported orally or by facsimile to TCEQ Region 12 within 24 hours from the time the permittee becomes aware of the violation, followed by a written report within five working days to TCEQ Region 12 and the Enforcement Division (MC 224): None
2. This permit does not authorize the discharge of domestic wastewater. Currently the facility does not produce domestic wastewater. If in the future the facility produces domestic wastewater, all domestic wastewater must be disposed of in an approved manner, such as routing to an approved on-site septic tank and drainfield system or to an authorized third party for treatment and disposal.
3. There is no mixing zone established for this discharge to an intermittent stream. Acute toxic criteria apply at the point of discharge.
4. Wastewater discharged via Outfall 001 must be sampled and analyzed as directed below for those parameters listed in Table 1 Attachment A of this permit. Analytical testing for Outfall 001 must be completed within 60 days of initial discharge. Results of the analytical testing must be submitted within 90 days of initial discharge to the TCEQ Industrial Permits Team (MC-148). Based on a technical review of the submitted analytical results, an amendment may be initiated by TCEQ staff to include additional effluent limitations, monitoring requirements, or both.

Table 1: Analysis is required for all pollutants in Table 1. Wastewater must be sampled and analyzed for those parameters listed in Table 1 for a minimum of four sampling events at least one week apart.

The permittee shall report the flow at Outfall 001 in MGD in the attachment. The permittee shall indicate on each table whether the samples are composite (C) or grab (G) by checking the appropriate box.

Attachment A

Table 1

Outfall No.:	<input type="checkbox"/> C <input type="checkbox"/> G	Effluent Concentration (mg/L)				
		Samp	Samp	Samp	Samp	Average
Pollutants						
Flow (MGD)						
BOD (5-day)						
CBOD (5-day)						
Chemical Oxygen Demand						
Total Organic Carbon						
Dissolved Oxygen						
Ammonia Nitrogen						
Total Suspended Solids						
Nitrate Nitrogen						
Total Organic Nitrogen						
Total Phosphorus						
Oil and Grease						
Total Residual Chlorine						
Total Dissolved Solids						
Sulfate						
Chloride						
Fluoride						
Temperature (°F)						
Total Alkalinity (mg/L as CaCO ₃)						
pH (Standard Units; min/max)						

	Effluent Concentration (µg/L)					MAL ¹ (µg/L)
Total Aluminum						2.5
Total Antimony						5
Total Arsenic						0.5
Total Barium						3
Total Beryllium						0.5
Total Cadmium						1
Total Chromium						3
Trivalent Chromium						N/A
Hexavalent Chromium						3
Total Copper						2
Cyanide						10
Total Lead						0.5
Total Mercury						0.005
Total Nickel						2
Total Selenium						5
Total Silver						0.5
Total Thallium						0.5
Total Zinc						5.0

¹ Minimum Analytical Level

STATEMENT OF BASIS/TECHNICAL SUMMARY AND
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DESCRIPTION OF APPLICATION

Applicant: Honey Holding I Ltd.; Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005155000 (TX0136107)

Regulated Activity: Industrial Wastewater Permit

Type of Application: New Permit

Request: New Permit

Authority: Federal Clean Water Act §402; Texas Water Code §26.027; 30 Texas Administrative Code (TAC) Chapter 305, Subchapters C-F, Chapters 307 and 319; Commission policies; and Environmental Protection Agency (EPA) guidelines

EXECUTIVE DIRECTOR RECOMMENDATION

The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The draft permit includes an expiration date of August 1, 2020, following the requirements of 30 TAC § 305.71, Basin Permitting.

REASON FOR PROJECT PROPOSED

The applicant has applied to the Texas Commission on Environmental Quality (TCEQ) for a new permit to discharge honey container washwater at a daily average flow not to exceed 5,000 gallons per day via Outfall 001.

PROJECT DESCRIPTION AND LOCATION

The applicant currently operates Honey Solutions, a honey supplier. The facility intends to discharge treated washwater from the washing of drums and totes that contain residual honey. Washing of the totes and drums will be conducted indoors. The washwater enters the drain which is connected to an underground storage tank. Washwater will then be pumped into the treatment system that will be located at the East end of the facility via a pipeline. The treatment system will include a screen filter, settling tank, and a pH adjustment tank. The treated washwater will be conveyed through a pipe to proposed Outfall 001. Stormwater will not comingle with the washwater.

The facility is located on the north frontage road at 11711 Interstate 10 East, approximately 2 miles east of the intersection of Interstate 10 and State Highway 146 South, in Baytown, Chambers County, Texas 77523.

Discharge Route

The effluent is discharged to a roadside ditch; thence to Cedar Bayou Tidal in Segment No. 0901 of the Trinity-San Jacinto Coastal Basin. The unclassified receiving waters have minimal aquatic life use for the roadside ditch. The designated uses for Segment No. 0901 are high aquatic life use and primary contact recreation. The effluent limits in the draft permit will maintain and protect the existing instream uses. All determinations are preliminary and subject to additional review and revisions.

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Antidegradation Review

In accordance with 30 TAC § 307.5 and the TCEQ implementation procedures (June 2010) for the Texas Surface Water Quality Standards, 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 Cedar Bayou Tidal, which has been identified as having high aquatic life use. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

Endangered Species Review

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. Though the piping plover, *Charadrius melodius* Ord, can occur in Chambers County, the county is north of Copano Bay and not a watershed of high priority per Appendix A of the 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.

Impaired Water Bodies

Segment 0901 is currently listed on the State's inventory of impaired and threatened waters, the 2012 Clean Water Act Section 303(d) list. The listings are for bacteria, dioxin in edible tissue, and PCBs in edible tissue, from the confluence with Galveston Bay 0.6 miles downstream of Tri-City Beach Road to a point 1.4 miles upstream of IH 10 (AU 0901_01). There are no known sources of PCBs or dioxins at this facility. Domestic wastewater will not be authorized for discharge through this permit. Therefore, the discharged from this facility should not contribute to the impairment of Segment No. 0901.

A Waste Load Evaluation (WLE) has been prepared for Segment 0901.

SUMMARY OF EFFLUENT DATA

Self-reporting data is not available because this is a new permit and the facility cannot discharge.

DRAFT PERMIT CONDITIONS

*The draft permit authorizes the discharge of honey container washwater at a daily average flow not to exceed 0.005 million gallons per day (MGD) via Outfall 001.

Effluent limitations are established in the draft permit as follows:

Outfall	Pollutant	Daily Average	Daily Maximum
001	Flow	0.005 MGD	0.006 MGD
	BOD ₅	Report mg/L	130 mg/L
	TSS	30 mg/L	100 mg/L
	pH (Standard Units)	6.0 SU (min)	9.0 SU

STATEMENT OF BASIS / TECHNICAL SUMMARY AND
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Technology-Based Effluent Limitations

Regulations promulgated in Title 40 of the Code of Federal Regulations (40 CFR) require technology-based limitations to be placed in wastewater discharge permits based on effluent limitations guidelines, where applicable, or on best professional judgment (BPJ) in the absence of guidelines. Development of technology-based effluent limitations is presented in Appendix A.

Washwater from cleaning barrels and totes that held honey is not subject to any national effluent guidelines found in 40 CFR §§405-471. The daily average flow limitation in the draft permit was provided by the permittee in the permit application. Technology-based effluent limitations for BOD₅ and pH were developed using best professional judgment (BPJ). The calculation of concentration effluent limitations for BOD₅ were calculated using the New Source Performance Standards (NSPS) for liquid cane sugar refining, found in 40 CFR § 409, Subpart C. The total suspended solids effluent limitations were developed based on BJP and using permits that discharge similar wastewaters.

Water Quality-Based Effluent Limitations

Calculations of water quality-based effluent limitations for the protection of aquatic life and human health are presented in Appendix B. Aquatic life criteria established in Table 1 and human health criteria established in Table 2 of 30 TAC Chapter 307 are incorporated into the calculations, as are recommendations in the Water Quality Assessment Team memorandum dated April 29, 2015. TCEQ practice for determining significant potential is to compare the reported analytical data from the facility against percentages of the calculated daily average water quality-based effluent limitation. Permit limitations are required when analytical data reported in the application exceeds 85 percent of the calculated daily average water quality-based effluent limitation. Monitoring and reporting is required when analytical data reported in the application exceeds 70 percent of the calculated daily average water quality-based effluent limitation. No data was submitted, therefore Other Requirement No. 4 is included in the draft permit.

The TCEQ Interoffice Memorandum from the Water Quality Assessment Team (Modeling), dated May 18, 2015, showed that based on modeling results from using QUAL-TX modeling, a daily maximum BOD₅ of 130 mg/L is needed to maintain the dissolved oxygen criteria of the receiving waters for the roadside ditch. This limitation is more stringent than the technology-based effluent limitations found in Appendix A and therefore has been included in the permit.

Total Dissolved Solids (TDS), Chloride, and Sulfate Screening

Segment No. 0901, which receives the discharge from this facility, does not have criteria established for TDS, chloride, or sulfate in 30 TAC Chapter 307; therefore, no screening was performed for TDS, chloride, or sulfate in the effluent.

pH Screening

The draft permit includes limits on pH of 6.0 – 9.0 SU at Outfall 001, which discharge into an unclassified water body. Consistent with the procedures for pH screening that were submitted to EPA with a letter dated May 28, 2014, and approved by EPA in a letter dated June 2, 2014, requiring this discharge to unclassified water bodies to meet pH limits of 6.0 – 9.0 standard units reasonably ensures instream compliance with Texas Surface Water Quality Standards pH criteria.

Whole Effluent Toxicity Testing

Biomonitoring requirements are not included in the draft permit at Outfall 001.

STATEMENT OF BASIS / TECHNICAL SUMMARY AND
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BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on January 15, 2015, and additional information received on March 23, 2015; April 3, 2015; and May 13, 2015
2. Waste Load Evaluation for Segment No. 0901.
3. TCEQ Rules.
4. Texas Surface Water Quality Standards – 30 TAC §§307.1-307.10, effective March 6, 2014, as approved by EPA Region 6.
5. Texas Surface Water Quality Standards – 30 TAC §§307.1-307.10, effective July 22, 2010, as approved by EPA Region 6, for portions of the 2014 Standards not approved by EPA Region 6.
6. Texas Surface Water Quality Standards - 30 TAC §§307.1-307.10, effective August 17, 2000, and Appendix E, effective February 27, 2002, for portions of the 2010 Standards not approved by EPA Region 6.
7. *Procedures to Implement the Texas Surface Water Quality Standards (IP)*, Texas Commission on Environmental Quality, June 2010, as approved by EPA Region 6.
8. *Procedures to Implement the Texas Surface Water Quality Standards*, Texas Commission on Environmental Quality, January 2003, for portions of the 2010 IP not approved by EPA Region 6.
9. Memos from the Water Quality Standards Implementation Team and the Water Quality Assessment Team of the Water Quality Assessment Section of the TCEQ.
10. "Guidance Document for Establishing Monitoring Frequencies for Domestic and Industrial Wastewater Discharge Permits," TCEQ Document No. 98-001.000-OWR-WQ, May 1998.
11. EPA Effluent Guidelines: N/A
12. Consistency with the Coastal Management Plan: N/A
13. Letter dated May 28, 2014, from L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ, to Bill Honker, Director, Water Quality Protection Division, EPA (TCEQ proposed development strategy for pH evaluation procedures)
14. Letter dated June 2, 2014, from William K. Honker, P.E., Director, Water Quality Protection Division, EPA, to L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ (Approval of TCEQ proposed development strategy for pH evaluation procedures)

PROCEDURES FOR FINAL DECISION

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

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

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

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

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

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

For additional information about this application, contact Kara Denney at (512) 239-4680.

Kara Denney
Kara Denney

May 27, 2015
Date

STATEMENT OF BASIS / TECHNICAL SUMMARY AND
EXECUTIVE DIRECTOR'S PRELIMINARY DECISION
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Appendix A
Calculated Technology-Based Effluent Limits

Wastewater from drums and totes that contain residual honey are not subject to the Categorical Effluent Guidelines found in 40 CFR §§ 405-471. The concentration effluent limitations for BOD₅ were developed using BJP of the NSPS effluent guidelines found in 40 CFR § 409, Subpart C, Liquid Cane Sugar Refining Subcategory. These categorical guidelines calculate mass effluent limitations based on production weight. Volume of product, weight of product, and volume of wastewater to be discharged a day has been provided by the applicant. The facility handles 9,000 gallons of honey a day, and a gallon of honey weighs approximately 11 lbs. Based on this information, the facility handles 99,000 lbs. of honey per day. Using the categorical guidelines and information provided by the applicant, mass-effluent limitations for BOD₅ were calculated. Concentration-based effluent limitations were then calculated from the mass effluent limitations using the flow volume provide in the application.

The NSPS for 40 CFR §409, Subpart C for Liquid Cane Sugar Refining Subcategory are:

Effluent characteristic	Effluent limitations	
	Daily Max	Daily Average
	English units (pounds per ton of melt)	
BOD ₅	0.60	0.30

Weight of honey per day: 99,000 lbs.
Proposed daily discharge : 0.005 MGD

Calculation of mass effluent limitations:

$$\frac{(\text{lbs./day per ton of melt}) * (\text{weight of honey per day in lbs.})}{2000 \text{ lbs.}} = \text{mass effluent limitation, lbs./day}$$

Calculation of concentration-based effluent limitations:

$$\frac{(\text{Mass effluent limitation lbs./day})}{(8.345) * (\text{proposed discharge MGD})} = \text{concentration limit, mg/L}$$

Calculation of BOD₅ effluent limitations:

Daily Average:

$$[(0.30 \text{ lbs./day/ton}) * (99,000 \text{ lbs.})] / 2000 \text{ lbs.} = 14.85 \text{ lbs./day}$$

$$(14.85 \text{ lbs./day}) / [(8.345) * (0.005 \text{ MGD})] = \mathbf{355.90 \text{ mg/L}}$$

Daily Max:

$$[(0.60 \text{ lbs./day / ton}) * (99,000 \text{ lbs.})] / 2000 \text{ lbs.} = 29.7 \text{ lbs. / day}$$

$$(29.7 \text{ lbs./day}) / [(8.345) * (0.005 \text{ MGD})] = \mathbf{711.80 \text{ mg/L}}$$

Final calculated BOD₅ effluent limitations:

Daily Average= 356 mg/L
Daily Max= 712 mg/L

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Appendix B

Calculated Water Quality - Based Effluent Limits

TEXTTOX MENU #9 - INTERMITTENT FRESHWATER STREAM WITHIN 3 MILES OF A NARROW TIDAL RIVER

The water quality-based effluent limitations developed below are calculated using:

Table 1, 2014 Texas Surface Water Quality Standards (30 TAC 307) for Freshwater and Saltwater Aquatic Life
Table 2, 2014 Texas Surface Water Quality Standards for Human Health
"Procedures to Implement the Texas Surface Water Quality Standards," TCEQ, June 2010

PERMIT INFORMATION

Permittee Name:	Honey Holdings I, Ltd.
TPDES Permit No:	WQ0005155000
Outfall No:	001
Prepared by:	Kara Denney
Date:	May 11, 2015

DISCHARGE INFORMATION

Intermittent Receiving Waterbody:	Roadside Ditch
Segment No. for Freshwater Ambient Data:	902
TSS (mg/L) (Intermittent):	3.1
pH (Standard Units) (Intermittent):	7.1
Hardness (mg/L as CaCO ₃) (Intermittent):	40
Chloride (mg/L) (Intermittent):	83
Effluent Flow for Aquatic Life (MGD):	0.005
% Effluent for Acute Aquatic Life (Intermittent):	100
Saltwater Receiving Waterbody:	Cedar Bayou Tidal
Segment No.:	901
TSS (mg/L) (Narrow Tidal River):	18
Critical Low Flow [7Q2] (cfs):	2.97
% Effluent for Chronic Aquatic Life (Narrow Tidal River):	8.000
% Effluent for Acute Aquatic Life (Narrow Tidal River):	30.000
Effluent Flow for Human Health (MGD):	0.005
Harmonic Mean Flow (cfs):	4.52
% Effluent for Human Health (Narrow Tidal River):	4.000

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CALCULATE DISSOLVED FRACTION (AND ENTER WATER EFFECT RATIO IF APPLICABLE):

<i>Stream/River Metal</i>	<i>Intercept (b)</i>	<i>Slope (m)</i>	<i>Partition Coefficient (Kp)</i>	<i>Dissolved Fraction (Cd/Ct)</i>		<i>Water Effect Ratio (WER)</i>	
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	5.68	-0.73	209559	0.61		1.00	Assumed
Cadmium	6.60	-1.13	1108565	0.23		1.00	Assumed
Chromium (Total)	6.52	-0.93	1156202	0.22		1.00	Assumed
Chromium (+3)	6.52	-0.93	1156202	0.22		1.00	Assumed
Chromium (+6)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Copper	6.02	-0.74	453307	0.42		1.00	Assumed
Lead	6.45	-0.80	1140015	0.22		1.00	Assumed
Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Nickel	5.69	-0.57	256995	0.56		1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Silver	6.38	-1.03	747993	0.30		1.00	Assumed
Zinc	6.10	-0.70	570226	0.36		1.00	Assumed

<i>Estuarine Metal</i>	<i>Intercept (b)</i>	<i>Slope (m)</i>	<i>Partition Coefficient (Kp)</i>	<i>Dissolved Fraction (Cd/Ct)</i>		<i>Water Effect Ratio (WER)</i>	
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Cadmium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Chromium (Total)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Chromium (+3)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Chromium (+6)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Copper	4.85	-0.72	8834.94	0.86		1.00	Assumed
Lead	6.06	-0.85	98405.27	0.36		1.00	Assumed
Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Nickel	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Silver	5.86	-0.74	85329.33	0.39		1.00	Assumed
Zinc	5.36	-0.52	50963.39	0.52		1.00	Assumed

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AQUATIC LIFE

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	FW Acute Criterion (ug/L)	SW Acute Criterion (ug/L)	SW Chronic Criterion (ug/L)	FW WLA _a	SW WLA _a	SW WLA _c	FW LTA _a	SW LTA _a	SW LTA _c	Daily Avg. (ug/L)	Daily Max. (ug/L)
Aldrin	3.0	1.3	N/A	3.000	4.333	N/A	1.719	2.483	N/A	2.527	5.346
Aluminum	991	N/A	N/A	991.000	N/A	N/A	567.843	N/A	N/A	834.729	1765.992
Arsenic	340	149	78	560.875	496.667	975.000	321.381	284.590	750.750	418.347	885.075
Cadmium	3.518355	40.0	8.75	15.609	133.333	109.375	8.944	76.400	84.219	13.148	27.816
Carbaryl	2.0	613	N/A	2.000	2043.333	N/A	1.146	1171	N/A	1.685	3.564
Chlordane	2.4	0.09	0.004	2.400	0.300	0.050	1.375	0.172	0.039	0.057	0.120
Chlorpyrifos	0.083	0.011	0.006	0.083	0.037	0.075	0.048	0.021	0.058	0.031	0.065
Chromium (+3)	269.0182	N/A	N/A	1233.240	N/A	N/A	706.647	N/A	N/A	1038.771	2197.671
Chromium (+6)	15.7	1,090	49.6	15.700	3633.333	620.000	8.996	2082	477.400	13.224	27.978
Copper	5.989693	13.5	3.6	14.407	52.156	52.156	8.255	29.886	40.160	12.135	25.673
Cyanide (free)	45.8	5.6	5.6	45.800	18.667	70.000	26.243	10.696	53.900	15.723	33.265
4,4'-DDT	1.1	0.13	0.001	1.100	0.433	0.013	0.630	0.248	0.010	0.014	0.030
Demeton	N/A	N/A	0.1	N/A	N/A	1.250	N/A	N/A	0.963	1.415	2.993
Diazinon	0.17	0.819	0.819	0.170	2.730	10.238	0.097	1.564	7.883	0.143	0.303
Dicofol	59.3	N/A	N/A	59.300	N/A	N/A	33.979	N/A	N/A	49.949	105.674
Dieldrin	0.24	0.71	0.002	0.240	2.367	0.025	0.138	1.356	0.019	0.028	0.060
Diuron	210	N/A	N/A	210.000	N/A	N/A	120.330	N/A	N/A	176.885	374.226
Endosulfan I (alpha)	0.22	0.034	0.009	0.220	0.113	0.113	0.126	0.065	0.087	0.095	0.202
Endosulfan II (beta)	0.22	0.034	0.009	0.220	0.113	0.113	0.126	0.065	0.087	0.095	0.202
Endosulfan sulfate	0.22	0.034	0.009	0.220	0.113	0.113	0.126	0.065	0.087	0.095	0.202
Endrin	0.086	0.037	0.002	0.086	0.123	0.025	0.049	0.071	0.019	0.028	0.060
Guthion	N/A	N/A	0.01	N/A	N/A	0.125	N/A	N/A	0.096	0.141	0.299
Heptachlor	0.52	0.053	0.004	0.520	0.177	0.050	0.298	0.101	0.039	0.057	0.120
Hexachlorocyclohexane (Lindane)	1.126	0.16	N/A	1.126	0.533	N/A	0.645	0.306	N/A	0.449	0.950
Lead	23.51077	133	5.3	106.599	1228.607	183.598	61.081	703.992	141.371	89.789	189.963
Malathion	N/A	N/A	0.01	N/A	N/A	0.125	N/A	N/A	0.096	0.141	0.299
Mercury	2.4	2.1	1.1	2.400	7.000	13.750	1.375	4.011	10.588	2.022	4.277
Methoxychlor	N/A	N/A	0.03	N/A	N/A	0.375	N/A	N/A	0.289	0.424	0.898
Mirex	N/A	N/A	0.001	N/A	N/A	0.013	N/A	N/A	0.010	0.014	0.030
Nickel	215.6787	118	13.1	387.506	393.333	163.750	222.041	225.380	126.088	185.349	392.132
Nonylphenol	28	7	1.7	28.000	23.333	21.250	16.044	13.370	16.363	19.654	41.581
Parathion (ethyl)	0.065	N/A	N/A	0.065	N/A	N/A	0.037	N/A	N/A	0.055	0.116
Pentachlorophenol	9.64558	15.1	9.6	9.646	50.333	120.000	5.527	28.841	92.400	8.125	17.189
Phenanthrene	30	7.7	4.6	30.000	25.667	57.500	17.190	14.707	44.275	21.619	45.739
Polychlorinated Biphenyls (PCBs)	2.0	10	0.03	2.000	33.333	0.375	1.146	19.100	0.289	0.424	0.898
Selenium	20	564	136	20.000	1880.000	1700.000	11.460	1077	1309	16.846	35.641
Silver	0.8	2	N/A	18.522	16.906	N/A	10.613	9.687	N/A	14.240	30.127
Toxaphene	0.78	0.21	0.0002	0.780	0.700	0.0025	0.447	0.401	0.0019	0.0028	0.0060
Tributyltin (TBT)	0.13	0.24	0.0074	0.130	0.800	0.093	0.074	0.458	0.071	0.105	0.222
2,4,5 Trichlorophenol	136	259	12	136.000	863.333	150.000	77.928	494.690	115.500	114.554	242.356
Zinc	53.9114	92.7	84.2	149.211	592.458	2018.001	85.498	339.479	1554	125.682	265.898

STATEMENT OF BASIS / TECHNICAL SUMMARY AND
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TPDES Permit No. WQ0005155000

HUMAN HEALTH

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

<i>Parameter</i>	<i>Fish Only Criterion (ug/L)</i>	<i>WLAh</i>	<i>LTAh</i>	<i>Daily Avg. (ug/L)</i>	<i>Daily Max. (ug/L)</i>
Acrylonitrile	3.8	95.00	88.35	129.87	274.77
Aldrin	0.0010	0.03	0.02	0.03	0.07
Anthracene	N/A	N/A	N/A	N/A	N/A
Antimony	1,071	26775.00	24900.75	36604.10	77441.33
Arsenic	N/A	N/A	N/A	N/A	N/A
Barium	N/A	N/A	N/A	N/A	N/A
Benzene	513	12825.00	11927.25	17533.06	37093.75
Benzidine	0.0020	0.05	0.05	0.07	0.14
Benzo(a)anthracene	3.28	82.00	76.26	112.10	237.17
Benzo(a)pyrene	0.33	8.25	7.67	11.28	23.86
Bis(chloromethyl)ether	0.44	11.00	10.23	15.04	31.82
Bis(2-chloroethyl)ether	10.06	251.50	233.90	343.83	727.41
Bis(2-ethylhexyl)phthalate	41	1025.00	953.25	1401.28	2964.61
Bromodichloromethane (Dichlorobromomethane)	322	8050.00	7486.50	11005.16	23283.02
Bromoform	2,175	54375.00	50568.75	74336.06	157268.81
Cadmium	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	30.5	762.50	709.13	1042.41	2205.38
Chlordane	0.0081	0.20	0.19	0.28	0.59
Chlorobenzene	5,201	130025.00	120923.25	177757.18	376071.31
Chlorodibromomethane (Dibromochloromethane)	239	5975.00	5556.75	8168.42	17281.49
Chloroform	7,143	178575.00	166074.75	244129.88	516492.47
Chromium (+6)	502	12550.00	11671.50	17157.11	36298.37
Chrysene	327	8175.00	7602.75	11176.04	23644.55
Cresols (Methylphenols)	9,301	232525.00	216248.25	317884.93	672532.06
Cyanide (free)	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	0.0059	0.15	0.14	0.20	0.43
4,4'-DDE	0.0040	0.10	0.09	0.14	0.29
4,4'-DDT	0.0040	0.10	0.09	0.14	0.29
2,4'-D	N/A	N/A	N/A	N/A	N/A
Danitrol	473	11825.00	10997.25	16165.96	34201.45
1,2-Dibromoethane	4.24	106.00	98.58	144.91	306.58
m-Dichlorobenzene (1,3-Dichlorobenzene)	1,445	36125.00	33596.25	49386.49	104484.34
o-Dichlorobenzene (1,2-Dichlorobenzene)	4,336	108400.00	100812.00	148193.64	313525.32
p-Dichlorobenzene (1,4-Dichlorobenzene)	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	0.44	11.00	10.23	15.04	31.82
1,2-Dichloroethane	553	13825.00	12857.25	18900.16	39986.05
1,1-Dichloroethylene	23,916	597900.00	556047.00	817389.09	1729306.17
Dichloromethane (Methylene Chloride)	22,222	555550.00	516661.50	759492.41	1606817.27
1,2-Dichloropropane	226	5650.00	5254.50	7724.12	16341.50
1,3-Dichloropropene (1,3- Dichloropropylene)	211	5275.00	4905.75	7211.45	15256.88
Dicofol	0.30	7.50	6.98	10.25	21.69
Dieldrin	0.001	0.03	0.02	0.03	0.07
2,4-Dimethylphenol	571	14275.00	13275.75	19515.35	41287.58
Di-n-Butyl Phthalate	3,010	75250.00	69982.50	102874.28	217645.58
Dioxins/Furans (TCDD Equivalents)	7.97E-08	1.99E-06	1.85E-06	2.72E-06	5.76E-06
Endrin	0.20	5.00	4.65	6.84	14.46
Ethylbenzene	7,143	178575.00	166074.75	244129.88	516492.47

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<i>Parameter</i>	<i>Fish Only Criterion (ug/L)</i>	<i>WLAh</i>	<i>LTAh</i>	<i>Daily Avg. (ug/L)</i>	<i>Daily Max. (ug/L)</i>
Fluoride	N/A	N/A	N/A	N/A	N/A
Heptachlor	0.0015	0.04	0.03	0.05	0.11
Heptachlor Epoxide	0.00075	0.02	0.02	0.03	0.05
Hexachlorobenzene	0.0045	0.11	0.10	0.15	0.33
Hexachlorobutadiene	274	6850.00	6370.50	9364.64	19812.26
Hexachlorocyclohexane (alpha)	0.093	2.33	2.16	3.18	6.72
Hexachlorocyclohexane (beta)	0.33	8.25	7.67	11.28	23.86
Hexachlorocyclohexane (gamma) (Lindane)	6.2	155.00	144.15	211.90	448.31
Hexachlorocyclopentadiene	N/A	N/A	N/A	N/A	N/A
Hexachloroethane	11.51	287.75	267.61	393.38	832.26
Hexachlorophene	2.90	72.50	67.43	99.11	209.69
Lead	3.83	265.35	246.78	362.76	767.48
Mercury	0.0250	0.63	0.58	0.85	1.81
Methoxychlor	1.61	40.25	37.43	55.03	116.42
Methyl Ethyl Ketone	992,000	24,800,000	23,064,000	33,904,080	71,729,040
Nickel	1,140	28500.00	26505.00	38962.35	82430.55
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	1,853	46325.00	43082.25	63330.91	133985.80
N-Nitrosodiethylamine	2.1	52.50	48.83	71.77	151.85
N-Nitroso-di-n-Butylamine	4.2	105.00	97.65	143.55	303.69
Pentachlorobenzene	1.0	25.00	23.25	34.18	72.31
Pentachlorophenol	9.1	227.50	211.58	311.02	658.00
Polychlorinated Biphenyls (PCBs)	6.4E-04	0.02	0.01	0.02	0.05
Pyridine	947	23675.00	22017.75	32366.09	68475.20
Selenium	N/A	N/A	N/A	N/A	N/A
1,2,4,5-Tetrachlorobenzene	0.71	17.75	16.51	24.27	51.34
1,1,2,2-Tetrachloroethane	40	1000.00	930.00	1367.10	2892.30
Tetrachloroethylene	525	13125.00	12206.25	17943.19	37961.44
Thallium	0.23	5.75	5.35	7.86	16.63
Toluene	N/A	N/A	N/A	N/A	N/A
Toxaphene	0.0053	0.13	0.12	0.18	0.38
2,4,5-TP (Silvex)	21	525.00	488.25	717.73	1518.46
1,1,1-Trichloroethane	956,663	23,916,575	22,242,415	32,696,350	69,173,910
1,1,2-Trichloroethane	295	7375.00	6858.75	10082.36	21330.71
Trichloroethylene	82	2050.00	1906.50	2802.56	5929.22
2,4,5-Trichlorophenol	2,435	60875.00	56613.75	83222.21	176068.76
TTHM (Sum of Total Trihalomethanes)	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	24	600.00	558.00	820.26	1735.38

STATEMENT OF BASIS / TECHNICAL SUMMARY AND
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CALCULATE 70% AND 85% OF DAILY AVERAGE EFFLUENT LIMITATIONS:

Aquatic Life		
<i>Parameter</i>	<i>70%</i>	<i>85%</i>
Aldrin	1.769	2.148
Aluminum	584	710
Arsenic	292.843	355.595
Cadmium	9.204	11.176
Carbaryl	1.179	1.432
Chlordane	0.040	0.048
Chlorpyrifos	0.022	0.026
Chromium (+3)	727.14	882.96
Chromium (+6)	9.257	11.241
Copper	8.494	10.315
Cyanide (free)	11.006	13.365
4,4'-DDT	0.010	0.012
Demeton	0.990	1.203
Diazinon	0.100	0.122
Dicofol	35.0	42.5
Dieldrin	0.020	0.024
Diuron	124	150
Endosulfan (alpha)	0.067	0.081
Endosulfan (beta)	0.067	0.081
Endosulfan sulfate	0.067	0.081
Endrin	0.020	0.024
Guthion	0.099	0.120
Heptachlor	0.040	0.048
Hexachlorocyclohexane (Lindane)	0.314	0.382
Lead	62.853	76.321
Malathion	0.099	0.120
Mercury	1.415	1.718
Methoxychlor	0.297	0.361
Mirex	0.010	0.012
Nickel	129.744	157.546
Nonylphenol	13.758	16.706
Parathion (ethyl)	0.038	0.047
Pentachlorophenol	5.687	6.906
Phenanthrene	15.134	18.376
Polychlorinated Biphenyls (PCBs)	0.297	0.361
Selenium	11.792	14.319
Silver	9.968	12.104
Toxaphene	0.0020	0.0024
Tributyltin (TBT)	0.073	0.089
2,4,5 Trichlorophenol	80.188	97.371
Zinc	87.977	106.829

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Human Health

<i>Parameter</i>	<i>70%</i>	<i>85%</i>
Acrylonitrile	90.912	110.393
Aldrin	0.024	0.029
Anthracene	N/A	N/A
Antimony	25622.872	31113.487
Arsenic	N/A	N/A
Barium	N/A	N/A
Benzene	12273.140	14903.099
Benzidine	0.048	0.058
Benzo(a)anthracene	78.472	95.287
Benzo(a)pyrene	7.895	9.587
Bis(chloromethyl)ether	10.527	12.782
Bis(2-chloroethyl)ether	240.678	292.252
Bis(2-ethylhexyl)phthalate	980.894	1191.086
Bromodichloromethane (Dichlorobromomethane)	7703.609	9354.382
Bromoform	52035.244	63185.653
Cadmium	N/A	N/A
Carbon Tetrachloride	729.690	886.052
Chlordane	0.194	0.235
Chlorobenzene	124430.024	151093.601
Chlorodibromomethane (Dibromochloromethane)	5717.896	6943.159
Chloroform	170890.918	207510.400
Chromium (+6)	12009.974	14583.539
Chrysene	7823.230	9499.636
Cresols (Methylphenols)	222519.45	270202.19
Cyanide (free)	N/A	N/A
4,4'-DDD	0.141	0.171
4,4'-DDE	0.096	0.116
4,4'-DDT	0.096	0.116
2,4'-D	N/A	N/A
Danitrol	11316.170	13741.064
1,2-Dibromoethane	101.439	123.176
m-Dichlorobenzene (1,3-Dichlorobenzene)	34570.541	41978.514
o-Dichlorobenzene (1,2-Dichlorobenzene)	103735.548	125964.594
p-Dichlorobenzene (1,4-Dichlorobenzene)	N/A	N/A
3,3'-Dichlorobenzidine	10.527	12.782
1,2-Dichloroethane	13230.110	16065.134
1,1-Dichloroethylene	572172.363	694780.727
Dichloromethane (Methylene Chloride)	531644.684	645568.544
1,2-Dichloropropane	5406.881	6565.498
1,3-Dichloropropene (1,3- Dichloropropylene)	5048.017	6129.735
Dicofol	7.177	8.715
Dieldrin	0.024	0.029
2,4-Dimethylphenol	13660.747	16588.050
Di-n-Butyl Phthalate	72011.993	87443.134
Dioxins/Furans (TCDD Equivalents)	1.91E-06	2.32E-06
Endrin	4.785	5.810
Ethylbenzene	170890.918	207510.400
Fluoride	N/A	N/A
Heptachlor	0.036	0.044

STATEMENT OF BASIS / TECHNICAL SUMMARY AND
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<i>Parameter</i>	<i>70%</i>	<i>85%</i>
Heptachlor Epoxide	0.018	0.022
Hexachlorobenzene	0.108	0.131
Hexachlorobutadiene	6555.245	7959.940
Hexachlorocyclohexane (alpha)	2.225	2.702
Hexachlorocyclohexane (beta)	7.895	9.587
Hexachlorocyclohexane (gamma) (Lindane)	148.330	180.115
Hexachlorocyclopentadiene	N/A	N/A
Hexachloroethane	275.368	334.376
Hexachlorophene	69.380	84.248
Lead	253.933	308.348
Mercury	0.598	0.726
Methoxychlor	38.518	46.772
Methyl Ethyl Ketone	23,732,856	28,818,468
Nickel	27273.645	33117.998
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A
Nitrobenzene	44331.635	53831.271
N-Nitrosodiethylamine	50.241	61.007
N-Nitroso-di-n-Butylamine	100.482	122.014
Pentachlorobenzene	23.924	29.051
Pentachlorophenol	217.711	264.363
Polychlorinated Biphenyls (PCBs)	0.015	0.019
Pyridine	22656.26	27511.18
Selenium	N/A	N/A
1,2,4,5-Tetrachlorobenzene	16.986	20.626
1,1,2,2-Tetrachloroethane	956.970	1162.035
Tetrachloroethylene	12560.231	15251.709
Thallium	5.503	6.682
Toluene	N/A	N/A
Toxaphene	0.127	0.154
2,4,5-TP (Silvex)	502.409	610.068
1,1,1-Trichloroethane	22,887,445	27,791,897
1,1,2-Trichloroethane	7057.654	8570.008
Trichloroethylene	1961.789	2382.172
2,4,5-Trichlorophenol	58255.549	70738.881
TTHM (Sum of Total Trihalomethanes)	N/A	N/A
Vinyl Chloride	574.182	697.221

H. Voluntary on-site compliance assessment dates:

N/A

I. Participation in a voluntary pollution reduction program:

N/A

J. Early compliance:

N/A

Sites Outside of Texas:

N/A