



Alabama Department of Environmental Management
adem.alabama.gov

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OCTOBER 7, 2022

Jason Padgett, General Manager
North Baldwin Utilities
25 Hand Avenue
Bay Minette, AL 36507

RE: Draft Permit
NPDES Permit No. AL0049867
Harry Still Sr. WWTP
Baldwin County, Alabama

Dear Mr. Padgett:

Transmitted herein is a draft of the referenced permit.

We would appreciate your comments on the permit within **30 days** of the date of this letter. Please direct any comments of a technical or administrative nature to the undersigned.

By copy of this letter and the draft permit, we are also requesting comments within the same time frame from EPA.

Please be aware that Parts I.C.1.c and I.C.2.e of your permit require participation in the Department's Alabama Environmental Permitting and Compliance System (AEPACS) for submittal of DMRs and SSOs upon issuance of this permit unless valid justification as to why you cannot participate is submitted in writing. SSO hotline notifications and hard copy Form 415 SSO reports may be used only with the written approval from the Department. AEPACS allows ADEM to electronically validate and acknowledge receipt of the data. This improves the accuracy of reported compliance data and reduces costs to both the regulated community and ADEM. Please note that all AEPACS users can create the electronic DMRs and SSOs; however, only AEPACS users with certifier permissions will be able to submit the electronic DMRs and SSOs to ADEM.

Our records indicate that you have utilized the Department's web-based electronic environmental (E2) reporting system for submittal of discharge monitoring reports (DMRs) and sanitary sewer overflow (SSO) notifications/reports. The Department transitioned from the E2 Reporting System to the Alabama Environmental Permitting and Compliance System (AEPACS) for the submittal of DMRs and SSOs on November 15, 2021. AEPACS is an electronic system that allows facilities to apply for and maintain permits as well as submit other required applications, registrations, and certifications. In addition, the system allows facilities to submit required compliance reports or other information to the Department. The



Department has used the E2 User account information to set up a similar User Profile in AEPACS based on the following criteria:

1. The user has logged in to E2 since October 1, 2019; and
2. The E2 user account is set up using a unique email address.

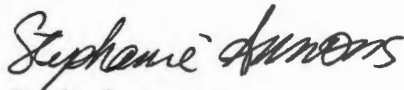
E2 users that met the above criteria will only need to establish an ADEM Web Portal account (<https://prd.adem.alabama.gov/awp>) under the same email address as their E2 account to have the same permissions in AEPACS as they did in E2. They will also automatically be linked to the same facilities they were in E2.

Please also be aware that Part IV. of your permit requires that you develop, implement, and maintain a Sanitary Sewer Overflow Response Plan.

The Alabama Department of Environmental Management encourages you to voluntarily consider pollution prevention practices and alternatives at your facility. Pollution Prevention may assist you in complying with effluent limitations, and possibly reduce or eliminate monitoring requirements.

Should you have any questions, please contact the undersigned at sammons@adem.alabama.gov.

Sincerely,



Stephanie Ammons
Municipal Section
Water Division

Enclosure

cc: Environmental Protection Agency Email
Ms. Elaine Snyder/U.S. Fish and Wildlife Service
Ms. Elizabeth Brown/Alabama Historical Commission
Advisory Council on Historic Preservation
Department of Conservation and Natural Resources



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE: NORTH BALDWIN UTILITIES
25 HAND AVENUE
BAY MINETTE, AL 36507

FACILITY LOCATION: HARRY STILL SR. WWTP (2.0 MGD)
1000 EAST FIRST STREET
BAY MINETTE, ALABAMA
BALDWIN COUNTY

PERMIT NUMBER: AL0049867

RECEIVING WATERS: HOLLINGER CREEK

In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1388 (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, Code of Alabama 1975, §§ 22-22-1 to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended, Code of Alabama 1975, §§22-22A-1 to 22-22A-17, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.

ISSUANCE DATE:

EFFECTIVE DATE:

EXPIRATION DATE:

Draft

Alabama Department of Environmental Management

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PART I: DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

1. DSN 001-1: Treated Municipal and Industrial Wastewater

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from Outfall 001, which is described more fully in the Permittee’s application. Such discharge shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq See note (1)	Sample Type	Seasonal See note (2)
Oxygen, Dissolved (DO) (00300) Effluent Gross Value	****	****	****	6.0 Minimum Daily	****	****	mg/l	3X Weekly test	Grab	Not Seasonal
pH (00400) Effluent Gross Value	****	****	****	6.0 Minimum Daily	****	8.5 Maximum Daily	S.U.	3X Weekly test	Grab	Not Seasonal
Solids, Total Suspended (00530) Effluent Gross Value	500 Monthly Average	750 Weekly Average	lbs/day	****	30.0 Monthly Average	45.0 Weekly Average	mg/l	3X Weekly test	24-Hr Composite	Not Seasonal
Solids, Total Suspended (00530) Raw Sew/Influent	(Report) Monthly Average	(Report) Weekly Average	lbs/day	****	(Report) Monthly Average	(Report) Weekly Average	mg/l	3X Weekly test	24-Hr Composite	Not Seasonal
Nitrogen, Ammonia Total (As N) (00610) Effluent Gross Value	21.6 Monthly Average	32.5 Weekly Average	lbs/day	****	1.3 Monthly Average	1.9 Weekly Average	mg/l	3X Weekly test	24-Hr Composite	S
Nitrogen, Ammonia Total (As N) (00610) Effluent Gross Value	66.7 Monthly Average	100 Weekly Average	lbs/day	****	4.0 Monthly Average	6.0 Weekly Average	mg/l	3X Weekly test	24-Hr Composite	W
Nitrogen, Kjeldahl Total (As N) (00625) Effluent Gross Value	(Report) Monthly Average	(Report) Weekly Average	lbs/day	****	(Report) Monthly Average	(Report) Weekly Average	mg/l	Monthly	24-Hr Composite	Not Seasonal
Nitrite Plus Nitrate Total 1 Det. (As N) (00630) Effluent Gross Value	(Report) Monthly Average	(Report) Weekly Average	lbs/day	****	(Report) Monthly Average	(Report) Weekly Average	mg/l	Monthly	24-Hr Composite	Not Seasonal
Phosphorus, Total (As P) (00665) Effluent Gross Value	(Report) Monthly Average	(Report) Weekly Average	lbs/day	****	(Report) Monthly Average	(Report) Weekly Average	mg/l	Monthly	24-Hr Composite	Not Seasonal

See Part II.C.1. for Bypass and Part II.C.2. for Upset conditions.

(1) Sample Frequency – See also Part I.B.2

See Permit Requirements for Effluent Toxicity Testing in Part IV.B.

(2) S = Summer (May - November)

W = Winter (December - April)

ECS = E. coli Summer (May - October)

ECW = E. coli Winter (November - April)

(3) See Part IV.C. for Total Residual Chlorine (TRC). Monitoring for TRC is applicable if chlorine is utilized for disinfection purposes. If monitoring is not applicable during the monitoring period, enter “*9” on the monthly DMR.

(4) A measurement of TRC below 0.05 mg/L shall be considered in compliance with the permit limitations above and should be reported as “*B” on the monthly DMR.

2. DSN 001-1 (Continued): Treated Municipal and Industrial Wastewater

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from Outfall 001, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq See note (1)	Sample Type	Seasonal See note (2)
Zinc Total Recoverable (01094) Effluent Gross Value	*****	*****	*****	*****	197 Monthly Average	197 Maximum Daily	ug/l	Monthly	Grab	Not Seasonal
Copper Total Recoverable (01119) Effluent Gross Value	*****	*****	*****	*****	12.7 Monthly Average	18.0 Maximum Daily	ug/l	Monthly	Grab	Not Seasonal
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Daily	Continuous	Not Seasonal
Chlorine, Total Residual (50060) See notes (3, 4) Effluent Gross Value	*****	*****	*****	*****	0.011 Monthly Average	0.019 Maximum Daily	mg/l	3X Weekly test	Grab	Not Seasonal
E. Coli (51040) Effluent Gross Value	*****	*****	*****	*****	548 Monthly Average	2507 Maximum Daily	col/100mL	3X Weekly test	Grab	ECW
E. Coli (51040) Effluent Gross Value	*****	*****	*****	*****	126 Monthly Average	298 Maximum Daily	col/100mL	3X Weekly test	Grab	ECS
BOD, Carbonaceous 05 Day, 20C (80082) Effluent Gross Value	216 Monthly Average	325 Weekly Average	lbs/day	*****	13.0 Monthly Average	19.5 Weekly Average	mg/l	3X Weekly test	24-Hr Composite	W
BOD, Carbonaceous 05 Day, 20C (80082) Effluent Gross Value	66.7 Monthly Average	100 Weekly Average	lbs/day	*****	4.0 Monthly Average	6.0 Weekly Average	mg/l	3X Weekly test	24-Hr Composite	S
BOD, Carbonaceous 05 Day, 20C (80082) Raw Sew/Influent	(Report) Monthly Average	(Report) Weekly Average	lbs/day	*****	(Report) Monthly Average	(Report) Weekly Average	mg/l	3X Weekly test	24-Hr Composite	Not Seasonal
BOD, Carb-5 Day, 20 Deg C, Percent Remvl (80091) Percent Removal	*****	*****	*****	85.0 Monthly Average Minimum	*****	*****	%	Monthly	Calculated	Not Seasonal
Solids, Suspended Percent Removal (81011) Percent Removal	*****	*****	*****	85.0 Monthly Average Minimum	*****	*****	%	Monthly	Calculated	Not Seasonal

See Part II.C.1. for Bypass and Part II.C.2. for Upset conditions.

(1) Sample Frequency – See also Part I.B.2

See Permit Requirements for Effluent Toxicity Testing in Part IV.B.

(2) S = Summer (May - November)

W = Winter (December - April)

ECS = E. coli Summer (May - October)

ECW = E. coli Winter (November - April)

(3) See Part IV.C. for Total Residual Chlorine (TRC). Monitoring for TRC is applicable if chlorine is utilized for disinfection purposes. If monitoring is not applicable during the monitoring period, enter “*9” on the monthly DMR.

(4) A measurement of TRC below 0.05 mg/L shall be considered in compliance with the permit limitations above and should be reported as “*B” on the monthly DMR.

2. DSN 001-T: Toxicity

This is an administrative outfall designation. Outfall 001T is the same physical outfall as Outfall 0011. Discharge from this outfall shall be monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq See note (1)	Sample Type	Seasonal See note (2)
Toxicity, Ceriodaphnia Chronic (61426) Effluent Gross Value	****	0 Single Sample	pass=0;fail=1	****	****	****	****	See Permit Requirements	24-Hr Composite	Oct
Toxicity, Pimephales Chronic (61428) Effluent Gross Value	****	0 Single Sample	pass=0;fail=1	****	****	****	****	See Permit Requirements	24-Hr Composite	Oct

See Part II.C.1. for Bypass and Part II.C.2. for Upset conditions.

(1) Sample Frequency – See also Part I.B.2

See Permit Requirements for Effluent Toxicity Testing in Part IV.B.

(2) S = Summer (May - November)

W = Winter (December - April)

ECS = E. coli Summer (May - October)

ECW = E. coli Winter (November - April)

B. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

1. Representative Sampling

Sample collection and measurement actions shall be representative of the volume and nature of the monitored discharge and shall be in accordance with the provisions of this permit. The effluent sampling point shall be at the nearest accessible location just prior to discharge and after final treatment, unless otherwise specified in the permit.

2. Measurement Frequency

Measurement frequency requirements found in Provision I.A. shall mean:

- a. Seven days per week shall mean daily.
- b. Five days per week shall mean any five days of discharge during a calendar weekly period of Sunday through Saturday.
- c. Three days per week shall mean any three days of discharge during a calendar week.
- d. Two days per week shall mean any two days of discharge during a calendar week
- e. One day per week shall mean any day of discharge during a calendar week.
- f. Two days per month shall mean any two days of discharge during the month that are no less than seven days apart. However, if discharges occur only during one seven-day period in a month, then two days per month shall mean any two days of discharge during that seven day period.
- g. One day per month shall mean any day of discharge during the calendar month.
- h. Quarterly shall mean any day of discharge during each calendar quarter.
- i. The Permittee may increase the frequency of sampling, listed in Provisions I.B.2.a through I.B.2.h; however, all sampling results are to be reported to the Department.

3. Test Procedures

For the purpose of reporting and compliance, permittees shall use one of the following procedures:

- a. For parameters with an EPA established Minimum Level (ML), report the measured value if the analytical result is at or above the ML and report "0" for values below the ML. Test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 and guidelines published pursuant to Section 304(h) of the FWPCA, 33 U.S.C. Section 1314(h). If more than one method for analysis of a substance is approved for use, a method having a minimum level lower than the permit limit shall be used. If the minimum level of all methods is higher than the permit limit, the method having the lowest minimum level shall be used and a report of less than the minimum level shall be reported as zero and will constitute compliance, however should EPA approve a method with a lower minimum level during the term of this permit the permittee shall use the newly approved method.
- b. For pollutants parameters without an established ML, an interim ML may be utilized. The interim ML shall be calculated as 3.18 times the Method Detection Level (MDL) calculated pursuant to 40 CFR Part 136, Appendix B.

Permittees may develop an effluent matrix-specific ML, where an effluent matrix prevents attainment of the established ML. However, a matrix specific ML shall be based upon proper laboratory method and technique. Matrix-specific MLs must be approved by the Department, and may be developed by the permittee during permit issuance, reissuance, modification, or during compliance schedule.

In either case the measured value should be reported if the analytical result is at or above the ML and "0" reported for values below the ML.

- c. For parameters without an EPA established ML, interim ML, or matrix-specific ML, a report of less than the detection limit shall constitute compliance if the detection limit of all analytical methods is higher than the permit limit. For the purpose of calculating a monthly average, "0" shall be used for values reported less than the detection limit.

The Minimum Level utilized for procedures a and b above shall be reported on the permittee's DMR. When an EPA approved test procedure for analysis of a pollutant does not exist, the Director shall approve the procedure to be used.

4. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The facility name and location, point source number, date, time and exact place of sampling;
- b. The name(s) of person(s) who obtained the samples or measurements;
- c. The dates and times the analyses were performed;
- d. The name(s) of the person(s) who performed the analyses;
- e. The analytical techniques or methods used, including source of method and method number; and
- f. The results of all required analyses.

5. Records Retention and Production

- a. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the above reports or the application for this permit, for a period of at least three years from the date of the sample measurement, report or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director or his designee, the permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records should not be submitted unless requested.
- b. All records required to be kept for a period of three years shall be kept at the permitted facility or an alternate location approved by the Department in writing and shall be available for inspection.

6. Reduction, Suspension or Termination of Monitoring and/or Reporting

- a. The Director may, with respect to any point source identified in Provision I.A. of this permit, authorize the permittee to reduce, suspend or terminate the monitoring and/or reporting required by this permit upon the submission of a written request for such reduction, suspension or termination by the permittee, supported by sufficient data which demonstrates to the satisfaction of the Director that the discharge from such point source will continuously meet the discharge limitations specified in Provision I.A. of this permit.
- b. It remains the responsibility of the permittee to comply with the monitoring and reporting requirements of this permit until written authorization to reduce, suspend or terminate such monitoring and/or reporting is received by the permittee from the Director.

7. Monitoring Equipment and Instrumentation

All equipment and instrumentation used to determine compliance with the requirements of this permit shall be installed, maintained, and calibrated in accordance with the manufacturer's instructions or, in the absence of manufacturer's instructions, in accordance with accepted practices. At a minimum, flow measurement devices shall be calibrated at least once every 12 months.

C. DISCHARGE REPORTING REQUIREMENTS

1. Reporting of Monitoring Requirements

- a. The permittee shall conduct the required monitoring in accordance with the following schedule:
 - (1) **MONITORING REQUIRED MORE FREQUENTLY THAN MONTHLY AND MONTHLY** shall be conducted during the first full month following the effective date of coverage under this permit and every month thereafter.
 - (2) **QUARTERLY MONITORING** shall be conducted at least once during each calendar quarter. Calendar quarters are the periods of January through March, April through June, July through September, and October through December. The permittee shall conduct the quarterly monitoring during the first complete calendar quarter following the effective date of this permit and is then required to monitor once during each quarter thereafter. Quarterly monitoring should be reported on the last DMR due for the quarter (i.e., March, June, September and December DMRs).

- (3) **SEMIANNUAL MONITORING** shall be conducted at least once during the period of January through June and at least once during the period of July through December. The permittee shall conduct the semiannual monitoring during the first complete calendar semiannual period following the effective date of this permit and is then required to monitor once during each semiannual period thereafter. Semiannual monitoring may be done anytime during the semiannual period, unless restricted elsewhere in this permit, but it should be reported on the last DMR due for the month of the semiannual period (i.e., June and December DMRs).
 - (4) **ANNUAL MONITORING** shall be conducted at least once during the period of January through December. The permittee shall conduct the annual monitoring during the first complete calendar annual period following the effective date of this permit and is then required to monitor once during each annual period thereafter. Annual monitoring may be done anytime during the year, unless restricted elsewhere in this permit, but it should be reported on the December DMR.
- b. The permittee shall submit discharge monitoring reports (DMRs) in accordance with the following schedule:
- (1) **REPORTS OF MORE FREQUENTLY THAN MONTHLY AND MONTHLY TESTING** shall be submitted on a monthly basis. The first report is due on the 28th day of the month following the month the permit becomes effective. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period, unless otherwise directed by the Department.
 - (2) **REPORTS OF QUARTERLY TESTING** shall be submitted on a quarterly basis. The first report is due on the 28th day of the month following the first complete calendar quarter the permit becomes effective. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period, unless otherwise directed by the Department.
 - (3) **REPORTS OF SEMIANNUAL TESTING** shall be submitted on a semiannual basis. The reports are due on the 28th day of JANUARY and the 28th day of JULY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period, unless otherwise directed by the Department.
 - (4) **REPORTS OF ANNUAL TESTING** shall be submitted on an annual basis. Unless specified elsewhere in the permit, the first report is due on the 28th day of JANUARY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period, unless otherwise directed by the Department.
- c. Except as allowed by Provision I.C.1.c.(1) or (2), the permittee shall submit all Discharge Monitoring Reports (DMRs) required by Provision I.C.1.b. electronically.
- (1) If the permittee is unable to complete the electronic submittal of DMR data due to technical problems originating with the Department's electronic system (this could include entry/submittal issues with an entire set of DMRs or individual parameters), the permittee is not relieved of their obligation to submit DMR data to the Department by the date specified in Provision I.C.1.b., unless otherwise directed by the Department.

If the Department's electronic system is down on the 28th day of the month in which the DMR is due or is down for an extended period of time, as determined by the Department, when a DMR is required to be submitted, the permittee may submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include faxing, e-mailing, mailing, or hand-delivery of data such that they are received by the required reporting date. Within five calendar days of the Department's electronic system resuming operation, the permittee shall enter the data into the Department's electronic system, unless an alternate timeframe is approved by the Department. A comment should be included on the electronic DMR submittal verifying the original submittal date (date of the fax, copy of dated e-mail, or hand-delivery stamped date), if applicable.
 - (2) The permittee may submit a request to the Department for a temporary electronic reporting waiver for DMR submittals. The waiver request should include the permit number; permittee name; facility/site name; facility address; name, address, and contact information for the responsible official or duly authorized representative; a detailed statement regarding the basis for requesting such a waiver; and the duration for which the waiver is requested. Approved electronic reporting waivers are not transferrable.
 - (3) A permittee with an approved electronic reporting waiver for DMRs may submit hard copy DMRs for the period that the approved electronic reporting waiver request is effective. The permittee shall submit the Department-approved DMR forms to the address listed in Provision I.C.1.e.

- (4) If a permittee is allowed to submit a hard copy DMR, the DMR must be legible and bear an original signature. Photo and electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this permit.
 - (5) If the permittee, using approved analytical methods as specified in Provision I.B.2, monitors any discharge from a point source for a limited substance identified in Provision I.A. of this permit more frequently than required by this permit, the results of such monitoring shall be included in the calculation and reporting of values on the DMR and the increased frequency shall be indicated on the DMR.
 - (6) In the event no discharge from a point source identified in Provision I.A. of this permit and described more fully in the permittee's application occurs during a monitoring period, the permittee shall report "No Discharge" for such period on the appropriate DMR.
- d. All reports and forms required to be submitted by this permit, the AWPCA and the Department's Rules and Regulations, shall be electronically signed (or, if allowed by the Department, traditionally signed) by a "responsible official" of the permittee as defined in ADEM Administrative Code Rule 335-6-6-.09 or a "duly authorized representative" of such official as defined in ADEM Administrative Code Rule 335-6-6-.09 and shall bear the following 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 information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

- e. Discharge Monitoring Reports required by this permit, the AWPCA, and the Department's Rules that are being submitted in hard copy shall be addressed to:

**Alabama Department of Environmental Management
Office of Water Services, Water Division
Post Office Box 301463
Montgomery, Alabama 36130-1463**

Certified and Registered Mail containing Discharge Monitoring Reports shall be addressed to:

**Alabama Department of Environmental Management
Office of Water Services, Water Division
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2400**

- f. All other correspondence and reports required to be submitted by this permit, the AWPCA, and the Department's Rules shall be addressed to:

**Alabama Department of Environmental Management
Municipal Section, Water Division
Post Office Box 301463
Montgomery, Alabama 36130-1463**

Certified and Registered Mail shall be addressed to:

**Alabama Department of Environmental Management
Municipal Section, Water Division
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2400**

- g. If this permit is a reissuance, then the permittee shall continue to submit DMRs in accordance with the requirements of their previous permit until such time as DMRs are due as discussed in Part I.C.1.b. above.

2. Noncompliance Notifications and Reports

- a. The Permittee shall notify the Department if, for any reason, the Permittee's discharge:
 - (1) Does not comply with any daily minimum or maximum discharge limitation for an effluent characteristic specified in Provision I.A. of this permit which is denoted by an "(X)";
 - (2) Potentially threatens human health or welfare;

- (3) Threatens fish or aquatic life;
- (4) Causes an in-stream water quality criterion to be exceeded;
- (5) Does not comply with an applicable toxic pollutant effluent standard or prohibition established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a);
- (6) Contains a quantity of a hazardous substance that may be harmful to public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. Section 1321(b)(4);
- (7) Exceeds any discharge limitation for an effluent parameter listed in Part I.A. as a result of an unanticipated bypass or upset; or
- (8) Is an unpermitted direct or indirect discharge of a pollutant to a water of the state. (Note that unpermitted discharges properly reported to the Department under any other requirement are not required to be reported under this provision.)

The Permittee shall orally or electronically provide notification of any of the above occurrences, describing the circumstances and potential effects, to the Director or Designee within 24-hours after the Permittee becomes aware of the occurrence of such discharge. In addition to the oral or electronic notification, the Permittee shall submit a report to the Director or Designee, as provided in Provision I.C.2.c. or I.C.2.e., no later than five days after becoming aware of the occurrence of such discharge or occurrence.

- b. If, for any reason, the Permittee's discharge does not comply with any limitation of this permit, then the Permittee shall submit a written report to the Director or Designee, as provided in Provision I.C.2.c below. This report must be submitted with the next Discharge Monitoring Report required to be submitted by Provision I.C.1 of this permit after becoming aware of the occurrence of such noncompliance.
- c. Except for notifications and reports of notifiable SSOs which shall be submitted in accordance with the applicable Provisions of this permit, the Permittee shall submit the reports required under Provisions I.C.2.a. and b. to the Director or Designee on ADEM Form 421, available on the Department's website (<http://www.adem.state.al.us/DeptForms/Form421.pdf>). The completed Form must document the following information:
 - (1) A description of the discharge and cause of noncompliance;
 - (2) The period of noncompliance, including exact dates, times, and duration of the noncompliance. If the noncompliance is not corrected by the due date of the written report, then the Permittee shall provide an estimated date by which the noncompliance will be corrected; and
 - (3) A description of the steps taken by the Permittee and the steps planned to be taken by the Permittee to reduce or eliminate the noncompliant discharge and to prevent its recurrence.
- d. Immediate notification

The Permittee shall provide notification to the Director, the public, the county health department, and any other affected entity such as public water systems, as soon as possible upon becoming aware of any notifiable sanitary sewer overflow. Notification to the Director shall be completed utilizing the Department's web-based electronic environmental SSO reporting system in accordance with Provision I.C.2.e.

- e. The Department is utilizing an electronic system for notification and submittal of SSO reports. Except as noted below, the Permittee must submit all SSO reports electronically in the Department's electronic system. If requested, waivers from utilization of the electronic system shall be submitted in accordance with ADEM Admin. Code 335-6-1-.04(6). The Department's electronic reporting system shall be utilized unless a written waiver has been granted. A waiver is not effective until receipt of written approval from the Department. Utilization of verbal notifications and hard copy SSO report submittals is allowed only if approved in writing by the Department. The Permittee shall include in the SSO reports the information requested by ADEM Form 415. In addition, the Permittee shall include the latitude and longitude of the SSO in the report except when the SSO is a result of an extreme weather event (e.g., hurricane). To participate in the electronic system for SSO reports, an account may be created at <https://aepacs.adem.alabama.gov/nviro/ncore/external/home>. If the electronic system is down (i.e., electronic submittal of SSO data cannot be completed due to technical problems originating with the Department's system), the Permittee is not relieved of its obligation to notify the Department or submit SSO reports to the Department by the required submittal date, and the Permittee shall submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include verbal reports, reports submitted via the SSO hotline, or reports submitted via fax, e-mail, mail, or hand-delivery such that they are

received by the required reporting date. Within five calendar days of the electronic system resuming operation, the Permittee shall enter the data into the electronic system, unless an alternate timeframe is approved by the Department. For any alternate notification, records of the date, time, notification method, and person submitting the notification should be maintained by the Permittee. If a Permittee is allowed to submit SSO reports via an alternate method, the SSO report must be in a format approved by the Department and must be legible.

- f. The Permittee shall maintain a record of all known wastewater discharge points that are not authorized as permitted outfalls, including but not limited to SSOs. The Permittee shall include this record in its **Municipal Water Pollution Prevention (MWPP) Annual Reports**, which shall be submitted to the Department each year by May 31st for the prior calendar year period beginning January 1st and ending December 31st. The MWPP Annual Reports shall contain a list of all known wastewater discharge points that are not authorized as permitted outfalls and any discharges that occur prior to the headworks of the wastewater treatment plant covered by this permit. The Permittee shall also provide in the MWPP Annual Reports a list of any discharges reported during the applicable time period in accordance with Provision I.C.2.a. The Permittee shall include in its MWPP Annual Reports the following information for each known unpermitted discharge that occurred:
- (1) The cause of the discharge;
 - (2) Date, duration and volume of discharge (estimate if unknown);
 - (3) Description of the source (e.g., manhole, lift station);
 - (4) Location of the discharge, by latitude and longitude (or other appropriate method as approved by the Department);
 - (5) The ultimate destination of the flow (e.g., surface waterbody, municipal separate storm sewer to surface waterbody). Location should be shown on a USGS quad sheet or copy thereof; and
 - (6) Corrective actions taken and/or planned to eliminate future discharges.

D. OTHER REPORTING AND NOTIFICATION REQUIREMENTS

1. Anticipated Noncompliance

The permittee shall give the Director written advance notice of any planned changes or other circumstances regarding a facility which may result in noncompliance with permit requirements.

2. Termination of Discharge

The permittee shall notify the Director, in writing, when all discharges from any point source(s) identified in Provision I. A. of this permit have permanently ceased. This notification shall serve as sufficient cause for instituting procedures for modification or termination of the permit.

3. Updating Information

- a. The permittee shall inform the Director of any change in the permittee's mailing address or telephone number or in the permittee's designation of a facility contact or office having the authority and responsibility to prevent and abate violations of the AWPCA, the Department's Rules and the terms and conditions of this permit, in writing, no later than ten (10) days after such change. Upon request of the Director or his designee, the permittee shall furnish the Director with an update of any information provided in the permit application.
- b. If the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information with a written explanation for the mistake and/or omission.

4. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable time, any information which the Director or his designee may request to determine whether cause exists for modifying, revoking and re-issuing, suspending, or terminating this permit, in whole or in part, or to determine compliance with this permit.

E. SCHEDULE OF COMPLIANCE

1. Compliance with discharge limits

The permittee shall achieve compliance with the discharge limitations specified in Provision I. A. in accordance with the following schedule:

COMPLIANCE SHALL BE ATTAINED ON THE EFFECTIVE DATE OF THIS PERMIT

2. Schedule

No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

PART II: OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. OPERATIONAL AND MANAGEMENT REQUIREMENTS

1. Facilities Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities only when necessary to achieve compliance with the conditions of the permit.

2. Best Management Practices

- a. Dilution water shall not be added to achieve compliance with discharge limitations except when the Director or his designee has granted prior written authorization for dilution to meet water quality requirements.
- b. The permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 C.F.R. Section 112 if required thereby.
- c. The permittee shall prepare, submit for approval and implement a Best Management Practices (BMP) Plan for containment of any or all process liquids or solids, in a manner such that these materials do not present a significant potential for discharge, if so required by the Director or his designee. When submitted and approved, the BMP Plan shall become a part of this permit and all requirements of the BMP Plan shall become requirements of this permit.

3. Certified Operator

The permittee shall not operate any wastewater treatment plant unless the competency of the operator to operate such plant has been duly certified by the Director pursuant to AWPCA, and meets the requirements specified in ADEM Administrative Code, Rule 335-10-1.

B. OTHER RESPONSIBILITIES

1. Duty to Mitigate Adverse Impacts

The permittee shall promptly take all reasonable steps to mitigate and minimize or prevent any adverse impact on human health or the environment resulting from noncompliance with any discharge limitation specified in Provision I. A. of this permit, including such accelerated or additional monitoring of the discharge and/or the receiving waterbody as necessary to determine the nature and impact of the noncomplying discharge.

2. Right of Entry and Inspection

- a. The permittee shall allow the Director, or an authorized representative, upon the presentation of proper credentials and other documents as may be required by law to:
 - (1) Enter upon the permittee's premises where a regulated facility or activity or point source is located or conducted, or where records must be kept under the conditions of the permit;
 - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permits;
 - (3) Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the permit; and
 - (4) Sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the AWPCA, any substances or parameters at any location.

C. BYPASS AND UPSET

1. Bypass

- a. Any bypass is prohibited except as provided in b. and c. below:
- b. A bypass is not prohibited if:
 - (1) It does not cause any discharge limitation specified in Provision I. A. of this permit to be exceeded;

- (2) It enters the same receiving stream as the permitted outfall; and
 - (3) It is necessary for essential maintenance of a treatment or control facility or system to assure efficient operation of such facility or system.
- c. A bypass is not prohibited and need not meet the discharge limitations specified in Provision I. A. of this permit if:
- (1) It is unavoidable to prevent loss of life, personal injury, or severe property damage;
 - (2) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime (this condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance); and
 - (3) The permittee submits a written request for authorization to bypass to the Director at least ten (10) days prior to the anticipated bypass (if possible), the permittee is granted such authorization, and the permittee complies with any conditions imposed by the Director to minimize any adverse impact on human health or the environment resulting from the bypass.
- d. The permittee has the burden of establishing that each of the conditions of Provision II. C. 1. b. or c. have been met to qualify for an exception to the general prohibition against bypassing contained in a. and an exemption, where applicable, from the discharge limitations specified in Provision I. A. of this permit.

2. Upset

- a. A discharge which results from an upset need not meet the discharge limitations specified in Provision I. A. of this permit if:
- (1) No later than 24-hours after becoming aware of the occurrence of the upset, the Permittee orally reports the occurrence and circumstances of the upset to the Director or his designee; and
 - (2) No later than five (5) days after becoming aware of the occurrence of the upset, the Permittee furnishes the Director with evidence, including properly signed, contemporaneous operating logs, or other relevant evidence, demonstrating that:
 - (i) An upset occurred;
 - (ii) The Permittee can identify the specific cause(s) of the upset;
 - (iii) The Permittee's facility was being properly operated at the time of the upset; and
 - (iv) The Permittee promptly took all reasonable steps to minimize any adverse impact on human health or the environment resulting from the upset.
- b. The permittee has the burden of establishing that each of the conditions of Provision II. C. 2. a. of this permit have been met to qualify for an exemption from the discharge limitations specified in Provision I. A. of this permit.

D. DUTY TO COMPLY WITH PERMIT, RULES, AND STATUTES

1. Duty to Comply

- a. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the AWPCA and the FWPCA and is grounds for enforcement action, permit termination, revocation and reissuance, suspension, modification, or denial of a permit renewal application.
- b. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of the permit shall not be a defense for a permittee in an enforcement action.
- c. The discharge of a pollutant from a source not specifically identified in the permit application for this permit and not specifically included in the description of an outfall in this permit is not authorized and shall constitute noncompliance with this permit.
- d. The permittee shall take all reasonable steps, including cessation of production or other activities, to minimize or prevent any violation of this permit or to minimize or prevent any adverse impact of any permit violation.

- e. Nothing in this permit shall be construed to preclude or negate the Permittee's responsibility to apply for, obtain, or comply with other Federal, State, or Local Government permits, certifications, or licenses or to preclude from obtaining other federal, state, or local approvals, including those applicable to other ADEM programs and regulations.

2. Removed Substances

Solids, sludges, filter backwash, or any other pollutant or other waste removed in the course of treatment or control of wastewaters shall be disposed of in a manner that complies with all applicable Department Rules.

3. Loss or Failure of Treatment Facilities

Upon the loss or failure of any treatment facilities, including but not limited to the loss or failure of the primary source of power of the treatment facility, the permittee shall, where necessary to maintain compliance with the discharge limitations specified in Provision I. A. of this permit, or any other terms or conditions of this permit, cease, reduce, or otherwise control production and/or all discharges until treatment is restored. If control of discharge during loss or failure of the primary source of power is to be accomplished by means of alternate power sources, standby generators, or retention of inadequately treated effluent, the permittee must furnish to the Director within six months a certification that such control mechanisms have been installed.

4. Compliance with Statutes and Rules

- a. This permit has been issued under ADEM Administrative Code, Chapter 335-6-6. All provisions of this chapter, that are applicable to this permit, are hereby made a part of this permit. A copy of this chapter may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Boulevard Montgomery, Alabama 36110-2059.
- b. This permit does not authorize the noncompliance with or violation of any Laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws. FWPCA, 33 U.S.C. Section 1319, and Code of Alabama 1975, Section 22-22-14.

E. PERMIT TRANSFER, MODIFICATION, SUSPENSION, REVOCATION, AND REISSUANCE

1. Duty to Reapply or Notify of Intent to Cease Discharge

- a. If the permittee intends to continue to discharge beyond the expiration date of this permit, the permittee shall file a complete permit application for reissuance of this permit at least 180 days prior to its expiration. If the permittee does not intend to continue discharge beyond the expiration of this permit, the permittee shall submit written notification of this intent which shall be signed by an individual meeting the signatory requirements for a permit application as set forth in ADEM Administrative Code Rule 335-6-6-.09.
- b. Failure of the permittee to apply for reissuance at least 180 days prior to permit expiration will void the automatic continuation of the expiring permit provided by ADEM Administrative Code Rule 335-6-6-.06 and should the permit not be reissued for any reason any discharge after expiration of this permit will be an unpermitted discharge.

2. Change in Discharge

Prior to any facility expansion, process modification or any significant change in the method of operation of the permittee's treatment works, the permittee shall provide the Director with information concerning the planned expansion, modification or change. The permittee shall apply for a permit modification at least 180 days prior to any facility expansion, process modification, significant change in the method of operation of the permittee's treatment works, or other actions that could result in the discharge of additional pollutants or increase the quantity of a discharged pollutant or could result in an additional discharge point. This condition applies to pollutants that are or that are not subject to discharge limitations in this permit. No new or increased discharge may begin until the Director has authorized it by issuance of a permit modification or a reissued permit.

3. Transfer of Permit

This permit may not be transferred or the name of the permittee changed without notice to the Director and subsequent modification or revocation and reissuance of the permit to identify the new permittee and to incorporate any other changes as may be required under the FWPCA or AWPCA. In the case of a change in name, ownership or control of the permittee's premises only, a request for permit modification in a format acceptable to the Director is required at least 30 days prior to the change. In the case of a change in name, ownership, or control of the permittee's premises accompanied by a change or proposed change in effluent characteristics, a complete permit application is required to

be submitted to the Director at least 180 days prior to the change. Whenever the Director is notified of a change in name, ownership, or control, he may decide not to modify the existing permit and require the submission of a new permit application.

4. **Permit Modification and Revocation**

- a. This permit may be modified or revoked and reissued, in whole or in part, during its term for cause, including but not limited to, the following:
- (1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to revoke and reissue this permit instead of terminating the permit;
 - (2) If a request to transfer this permit has been received, the Director may decide to revoke and reissue or to modify the permit; or
 - (3) If modification or revocation and reissuance is requested by the permittee and cause exists, the Director may grant the request.
- b. This permit may be modified during its term for cause, including but not limited to, the following:
- (1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to modify this permit instead of terminating this permit;
 - (2) There are material and substantial alterations or additions to the facility or activity generating wastewater which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit;
 - (3) The Director has received new information that was not available at the time of permit issuance and that would have justified the application of different permit conditions at the time of issuance;
 - (4) A new or revised requirement(s) of any applicable standard or limitation is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA;
 - (5) Errors in calculation of discharge limitations or typographical or clerical errors were made;
 - (6) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, when the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued;
 - (7) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, permits may be modified to change compliance schedules;
 - (8) To agree with a granted variance under 301(c), 301(g), 301(h), 301(k), or 316(a) of the FWPCA or for fundamentally different factors;
 - (9) To incorporate an applicable 307(a) FWPCA toxic effluent standard or prohibition;
 - (10) When required by the reopener conditions in this permit;
 - (11) When required under 40 CFR 403.8(e) (compliance schedule for development of pretreatment program);
 - (12) Upon failure of the state to notify, as required by Section 402(b)(3) of the FWPCA, another state whose waters may be affected by a discharge permitted by this permit;
 - (13) When required to correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions; or
 - (14) When requested by the permittee and the Director determines that the modification has cause and will not result in a violation of federal or state law, regulations or rules; or

5. **Termination**

This permit may be terminated during its term for cause, including but not limited to, the following:

- a. Violation of any term or condition of this permit;
- b. The permittee's misrepresentation or failure to disclose fully all relevant facts in the permit application or during the permit issuance process or the permittee's misrepresentation of any relevant facts at any time;
- c. Materially false or inaccurate statements or information in the permit application or the permit;

- d. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;
- e. The permittee's discharge threatens human life or welfare or the maintenance of water quality standards;
- f. Permanent closure of the facility generating the wastewater permitted to be discharged by this permit or permanent cessation of wastewater discharge;
- g. New or revised requirements of any applicable standard or limitation that is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA that the Director determines cannot be complied with by the permittee.
- h. Any other cause allowed by the ADEM Administrative Code, Chapter 335-6-6.

6. Suspension

This permit may be suspended during its term for noncompliance until the permittee has taken action(s) necessary to achieve compliance.

7. Stay

The filing of a request by the permittee for modification, suspension, or revocation of this permit, in whole or in part, does not stay any permit term or condition.

F. COMPLIANCE WITH TOXIC POLLUTANT STANDARD OR PROHIBITION

If any applicable effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a), for a toxic pollutant discharged by the permittee and such standard or prohibition is more stringent than any discharge limitation on the pollutant specified in Provision I. A. of this permit, or controls a pollutant not limited in Provision I. A. of this permit, this permit shall be modified to conform to the toxic pollutant effluent standard or prohibition and the permittee shall be notified of such modification. If this permit has not been modified to conform to the toxic pollutant effluent standard or prohibition before the effective date of such standard or prohibition, the permittee shall attain compliance with the requirements of the standard or prohibition within the time period required by the standard or prohibition and shall continue to comply with the standard or prohibition until this permit is modified or reissued.

G. NOTICE TO DIRECTOR OF INDUSTRIAL USERS

1. The permittee shall not allow the introduction of wastewater, other than domestic wastewater, from a new direct discharger prior to approval and permitting, if applicable, of the discharge by the Department.
2. The permittee shall not allow an existing indirect discharger to increase the quantity or change the character of its wastewater, other than domestic wastewater, prior to approval and permitting, if applicable, of the increased discharge by the Department.
3. The permittee shall report to the Department any adverse impact caused or believed to be caused by an indirect discharger on the treatment process, quality of discharged water or quality of sludge. Such report shall be submitted within seven days of the permittee becoming aware of the adverse impacts.

H. PROHIBITIONS

The permittee shall not allow, and shall take effective enforcement action to prevent and terminate, the introduction of any of the following into its treatment works by industrial users:

1. Pollutants which create a fire or explosion hazard in the treatment works;
2. Pollutants which will cause corrosive structural damage to the treatment works, or dischargers with a pH lower than 5.0 s.u., unless the works are specifically designed to accommodate such discharges;
3. Solid or viscous pollutants in amounts which will cause obstruction of flow in sewers, or other interference with the treatment works;
4. Pollutants, including oxygen demanding pollutants, released in a discharge of such volume or strength as to cause interference in the treatment works;

5. Heat in amounts which will inhibit biological activity in the treatment plant resulting in interference or in such quantities that the temperature of the treatment plant influent exceeds 40 °C (104 °F) unless the treatment plant is designed to accommodate such heat;
6. Pollutants in amounts which exceed any applicable pretreatment standard under Section 307 of FWPCA or any approved revisions thereof.

PART III: ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. CIVIL AND CRIMINAL LIABILITY

1. Tampering

Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained or performed under the permit shall, upon conviction, be subject to penalties as provided by the AWPCA.

2. False Statements

Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be subject to penalties as provided by the AWPCA.

3. Permit Enforcement

- a. Any NPDES permit issued or reissued by the Department is a permit for the purpose of the AWPCA and the FWPCA and as such any terms, conditions, or limitations of the permit are enforceable under state and federal law.
- b. Any person required to have a NPDES permit pursuant to ADEM Administrative Code Chapter 335-6-6 and who discharges pollutants without said permit, who violates the conditions of said permit, who discharges pollutants in a manner not authorized by the permit, or who violates applicable orders of the Department or any applicable rule or standard of the Department, is subject to any one or combination of the following enforcement actions under applicable state statutes:
 - (1) An administrative order requiring abatement, compliance, mitigation, cessation, clean-up, and/or penalties;
 - (2) An action for damages;
 - (3) An action for injunctive relief; or
 - (4) An action for penalties.
- c. If the permittee is not in compliance with the conditions of an expiring or expired permit the Director may choose to do any or all of the following provided the permittee has made a timely and complete application for reissuance of the permit:
 - (1) Initiate enforcement action based upon the permit which has been continued;
 - (2) Issue a notice of intent to deny the permit reissuance. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;
 - (3) Reissue the new permit with appropriate conditions; or
 - (4) Take other actions authorized by these rules and AWPCA.

4. Relief from Liability

Except as provided in Provision II. C. 1. (Bypass) and Provision II. C. 2. (Upset), nothing in this permit shall be construed to relieve the permittee of civil or criminal liability under the AWPCA or FWPCA for noncompliance with any term or condition of this permit.

B. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject under Section 311 of the FWPCA, 33 U.S.C. Section 1321.

C. PROPERTY AND OTHER RIGHTS

This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to persons or property or invasion of other private rights, or any infringement of federal, state, or local laws or regulations, nor does it authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any waters of the state or of the United States.

D. AVAILABILITY OF REPORTS

Except for data determined to be confidential under Code of Alabama 1975, Section 22-22-9(c), all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential.

E. EXPIRATION OF PERMITS FOR NEW OR INCREASED DISCHARGES

1. If this permit was issued for a new discharger or new source, this permit shall expire eighteen months after the issuance date if construction of the facility has not begun during the eighteen-month period.
2. If this permit was issued or modified to allow the discharge of increased quantities of pollutants to accommodate the modification of an existing facility, and if construction of this modification has not begun during the eighteen month period after issuance of this permit or permit modification, this permit shall be modified to reduce the quantities of pollutants allowed to be discharged to those levels that would have been allowed if the modification of the facility had not been planned.
3. Construction has begun when the owner or operator has:
 - a. Begun, or caused to begin as part of a continuous on-site construction program:
 - (1) Any placement, assembly, or installation of facilities or equipment; or
 - (2) Significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which are necessary for the placement, assembly, or installation of new source facilities or equipment; or
 - b. Entered into a binding contractual obligation for the purpose of placement, assembly, or installation of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under this paragraph.
4. Final plans and specifications for a waste treatment facility at a new source or new discharger, or a modification to an existing waste treatment facility must be submitted to and examined by the Department prior to initiating construction of such treatment facility by the permittee.
5. Upon completion of construction of waste treatment facilities and prior to operation of such facilities, the permittee shall submit to the Department a certification from a registered professional engineer, licensed to practice in the State of Alabama, that the treatment facilities have been built according to plans and specifications submitted to and examined by the Department.

F. COMPLIANCE WITH WATER QUALITY STANDARDS

1. On the basis of the permittee's application, plans, or other available information, the Department has determined that compliance with the terms and conditions of this permit should assure compliance with the applicable water quality standards.
2. Compliance with permit terms and conditions notwithstanding, if the permittee's discharge(s) from point sources identified in Provision I. A. of this permit cause or contribute to a condition in contravention of state water quality standards, the Department may require abatement action to be taken by the permittee in emergency situations or modify the permit pursuant to the Department's Rules, or both.
3. If the Department determines, on the basis of a notice provided pursuant to this permit or any investigation, inspection or sampling, that a modification of this permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPCA or FWPCA, the Department may require such modification and, in cases of emergency, the Director may prohibit the discharge until the permit has been modified.

G. GROUNDWATER

Unless specifically authorized under this permit, this permit does not authorize the discharge of pollutants to groundwater. Should a threat of groundwater contamination occur, the Director may require groundwater monitoring to properly assess the degree of the problem, and the Director may require that the permittee undertake measures to abate any such discharge and/or contamination.

H. DEFINITIONS

1. **Average monthly discharge limitation** - means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).
2. **Average weekly discharge limitation** - means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).
3. **Arithmetic Mean** – means the summation of the individual values of any set of values divided by the number of individual values.
4. **AWPCA** - means the Alabama Water Pollution Control Act.
5. **BOD** – means the five-day measure of the pollutant parameter biochemical oxygen demand.
6. **Bypass** - means the intentional diversion of waste streams from any portion of a treatment facility.
7. **CBOD** – means the five-day measure of the pollutant parameter carbonaceous biochemical oxygen demand.
8. **Daily discharge** - means the discharge of a pollutant measured during any consecutive 24-hour period in accordance with the sample type and analytical methodology specified by the discharge permit.
9. **Daily maximum** - means the highest value of any individual sample result obtained during a day.
10. **Daily minimum** - means the lowest value of any individual sample result obtained during a day.
11. **Day** - means any consecutive 24-hour period.
12. **Department** - means the Alabama Department of Environmental Management.
13. **Director** - means the Director of the Department.
14. **Discharge** - means "[t]he addition, introduction, leaking, spilling or emitting of any sewage, industrial waste, pollutant or other waste into waters of the state". Code of Alabama 1975, Section 22-22-1(b)(9).
15. **Discharge Monitoring Report (DMR)** - means the form approved by the Director to accomplish reporting requirements of an NPDES permit.
16. **DO** – means dissolved oxygen.
17. **8HC** – means 8-hour composite sample, including any of the following:
 - a. The mixing of at least 8 equal volume samples collected at constant time intervals of not more than 1 hour over a period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
 - b. A sample continuously collected at a constant rate over period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
18. **EPA** - means the United States Environmental Protection Agency.
19. **FC** – means the pollutant parameter fecal coliform.
20. **Flow** – means the total volume of discharge in a 24-hour period.
21. **FWPCA** - means the Federal Water Pollution Control Act.
22. **Geometric Mean** – means the Nth root of the product of the individual values of any set of values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered one (1).

23. **Grab Sample** – means a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the discharge.
24. **Indirect Discharger** – means a nondomestic discharger who discharges pollutants to a publicly owned treatment works or a privately owned treatment facility operated by another person.
25. **Industrial User** – means those industries identified in the Standard Industrial Classification manual, Bureau of the Budget 1967, as amended and supplemented, under the category “Division D – Manufacturing” and such other classes of significant waste producers as, by regulation, the Director deems appropriate.
26. **MGD** – means million gallons per day.
27. **Monthly Average** – means the arithmetic mean of all the composite or grab samples taken for the daily discharges collected in one month period. The monthly average for flow is the arithmetic mean of all flow measurements taken in a one month period.
28. **New Discharger** – means a person, owning or operating any building, structure, facility, or installation:
 - a) From which there is or may be a discharge of pollutants;
 - b) That did not commence the discharge of pollutants prior to August 13, 1979, and which is not a new source; and
 - c) Which has never received a final effective NPDES permit for dischargers at that site.
29. **NH3-N** – means the pollutant parameter ammonia, measured as nitrogen.
30. **Notifiable sanitary sewer overflow** - means an overflow, spill, release or diversion of wastewater from a sanitary sewer system that:
 - a) Reaches a surface water of the State; or
 - b) May imminently and substantially endanger human health based on potential for public exposure including but not limited to close proximity to public or private water supply wells or in areas where human contact would be likely to occur.
31. **Permit application** - means forms and additional information that is required by ADEM Administrative Code Rule 335-6-6-.08 and applicable permit fees.
32. **Point source** - means "any discernible, confined and discrete conveyance, including but not limited to any pipe, channel, ditch, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or vessel or other floating craft, . . . from which pollutants are or may be discharged." Section 502(14) of the FWPCA, 33 U.S.C. Section 1362(14).
33. **Pollutant** - includes for purposes of this permit, but is not limited to, those pollutants specified in Code of Alabama 1975, Section 22-22-1(b)(3) and those effluent characteristics specified in Provision I. A. of this permit.
34. **Privately Owned Treatment Works** – means any devices or system which is used to treat wastes from any facility whose operator is not the operator of the treatment works, and which is not a “POTW”.
35. **Publicly Owned Treatment Works (POTW)** – means a wastewater collection and treatment facility owned by the State, municipality, regional entity composed of two or more municipalities, or another entity created by the State or local authority for the purpose of collecting and treating municipal wastewater.
36. **Receiving Stream** – means the “waters” receiving a “discharge” from a “point source”.
37. **Severe property damage** - means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
38. **Significant Source** – means a source which discharges 0.025 MGD or more to a POTW or greater than five percent of the treatment work’s capacity, or a source which is a primary industry as defined by the U.S. EPA or which discharges a priority or toxic pollutant.
39. **TKN** – means the pollutant parameter Total Kjeldahl Nitrogen.
40. **TON** – means the pollutant parameter Total Organic Nitrogen.
41. **TRC** – means Total Residual Chlorine.

42. **TSS** – means the pollutant parameter Total Suspended Solids.
43. **24HC** – means 24-hour composite sample, including any of the following:
- a) The mixing of at least 8 equal volume samples collected at constant time intervals of not more than 2 hours over a period of 24 hours;
 - b) A sample collected over a consecutive 24-hour period using an automatic sampler composite to one sample. As a minimum, samples shall be collected hourly and each shall be no more than one twenty-fourth (1/24) of the total sample volume collected;
 - c) A sample collected over a consecutive 24-hour period using an automatic composite sampler composited proportional to flow.
44. **Upset** - means an exceptional incident in which there is an unintentional and temporary noncompliance with technology-based permit discharge limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
45. **Waters** - means "[a]ll waters of any river, stream, watercourse, pond, lake, coastal, ground or surface water, wholly or partially within the state, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership or corporation unless such waters are used in interstate commerce." Code of Alabama 1975, Section 22-22-1(b)(2). Waters "include all navigable waters" as defined in Section 502(7) of the FWPCA, 22 U.S.C. Section 1362(7), which are within the State of Alabama.
46. **Week** - means the period beginning at twelve midnight Saturday and ending at twelve midnight the following Saturday.
47. **Weekly (7-day and calendar week) Average** – is the arithmetic mean of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The calendar week is defined as beginning on Sunday and ending on Saturday. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for the calendar week shall be included in the data for the month that contains the Saturday.

I. SEVERABILITY

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

PART IV: SPECIFIC REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. SLUDGE MANAGEMENT PRACTICES

1. Applicability

- a. Provisions of Provision IV.A. apply to a sewage sludge generated or treated in treatment works that is applied to agricultural and non-agricultural land, or that is otherwise distributed, marketed, incinerated, or disposed in landfills or surface disposal sites.
- b. Provisions of Provision IV.A. do not apply to:
 - (1) Sewage sludge generated or treated in a privately owned treatment works operated in conjunction with industrial manufacturing and processing facilities and which receive no domestic wastewater.
 - (2) Sewage sludge that is stored in surface impoundments located at the treatment works prior to ultimate disposal.

2. Submitting Information

- a. If applicable, the Permittee must submit annually with its Municipal Water Pollution Prevention (MWPP) report the following:
 - (1) Type of sludge stabilization/digestion method;
 - (2) Daily or annual sludge production (dry weight basis);
 - (3) Ultimate sludge disposal practice(s).
- b. The Permittee shall provide sludge inventory data to the Director as requested. These data may include, but are not limited to, sludge quantity and quality reported in Provision IV.A.2.a as well as other specific analyses required to comply with State and Federal laws regarding solid and hazardous waste disposal.
- c. The Permittee shall give prior notice to the Director of at least 30 days of any change planned in the Permittee's sludge disposal practices.

3. Reopener or Modification

- a. Upon review of information provided by the Permittee as required by Provision IV.A.2. or, based on the results of an on-site inspection, the permit shall be subject to modification to incorporate appropriate requirements.
- b. If an applicable "acceptable management practice" or if a numerical limitation for a pollutant in sewage sludge promulgated under Section 405 of FWPCA is more stringent than the sludge pollutant limit or acceptable management practice in this permit. This permit shall be modified or revoked or reissued to conform to requirements promulgated under Section 405. The Permittee shall comply with the limitations no later than the compliance deadline specified in applicable regulations as required by Section 405 of FWPCA.

B. EFFLUENT TOXICITY LIMITATIONS AND BIOMONITORING REQUIREMENTS FOR CHRONIC TOXICITY

1. Chronic Toxicity Test

- a. The permittee shall perform short-term chronic toxicity tests on the wastewater at **Outfall 001**.
- b. The samples shall be diluted using appropriate control water to the Instream Waste Concentration (IWC) which is 100 percent effluent. The IWC is the actual concentration of effluent, after mixing, in the receiving stream during a 7-day, 10-year low flow period.
- c. Any test result that shows a statistically significant reduction in survival, growth, or reproduction between the control and test samples at the 95% confidence level indicates chronic toxicity and shall constitute noncompliance with this permit.

2. General Test Requirements

- a. A minimum of three (3) 24-hour composite samples shall be obtained for use in the above biomonitoring tests. Samples shall be collected every other day so that the laboratory receives water samples on the first, third, and fifth day of the seven-day test period. The holding time for each composite sample shall not exceed 36 hours. The control water shall be a water prepared in the laboratory in accordance with the EPA procedure described in EPA

821-R-02-013 (most current edition) or another control water selected by the Permittee and approved by the Department.

- b. Test results shall be deemed unacceptable and the Permittee shall rerun the tests as soon as practical within the monitoring period for the following:
 - (1) For testing with *P. promelas*: effluent toxicity tests with control survival of less than 80% or if dry weight per surviving control organism is less than 0.25 mg;
 - (2) For testing with *C. dubia*: if the number of young per surviving control organism is less than 15 or if less than 60% of surviving control females produce three broods; or
 - (3) If the other requirements of the EPA Test Procedure are not met.
- c. In the event of an invalid test, upon subsequent completion of a valid test, the results of all tests, valid and invalid, are to be reported to the Department along with an explanation of the tests performed and the test results.
- d. Toxicity tests shall be conducted for the duration of this permit in the month of **October**. Should results from the Annual Toxicity test indicate that **Outfall 001** exhibits chronic toxicity, then the Permittee must conduct the follow-up testing described in Part IV.B.4.a. In addition, the Permittee may then also be required to conduct toxicity testing in the months of **JANUARY, APRIL, JULY, and OCTOBER**.

3. Reporting Requirements

- a. The Permittee shall notify the Department in writing within 48 hours after toxicity has been demonstrated by the scheduled test(s).
- b. Biomonitoring test results obtained during each monitoring period shall be summarized and reported using the appropriate Discharge Monitoring Report (DMR) form approved by the Department. In accordance with Section 2 of this part, an effluent toxicity report containing the information in Sections 2 and 6 shall be included with the DMR. The test results must be submitted to the Department no later than 28 days after the month that tests were performed.

4. Additional Testing Requirements

- a. If chronic toxicity is indicated (i.e., noncompliance with permit limit), then the Permittee must perform two additional valid chronic toxicity tests in accordance with these procedures to determine the extent and duration of the toxic condition. The toxicity tests shall run consecutively beginning on the first calendar week following the date that the Permittee became aware of the permit noncompliance. The results of these follow-up tests shall be submitted to the Department no later than 28 days following the month the tests were performed.
- b. After evaluation of the results of the follow-up tests, the Department will determine if additional action is appropriate and may require additional testing and/or toxicity reduction measures. The permittee may be required to perform a Toxicity Identification Evaluation (TIE) and/or a Toxicity Reduction Evaluation (TRE). The TIE/TRE shall be performed in accordance with the most recent protocols and guidance outlined by EPA (e.g., EPA/600/2-88/062, EPA/600/R-92/080, EPA/600/R-91-003, EPA/600/R-92/081, EPA/833/B-99/022, and/or EPA/600/6-91/005F)

5. Test Methods

The tests shall be performed in accordance with the latest edition of the "EPA Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms." The Larval Survival and Growth Test, Method 1000.0, shall be used for the fathead minnow (*Pimephales promelas*) test and the Survival and Reproduction Test, Method 1002.0, shall be used for the cladoceran (*Ceriodaphnia dubia*) test.

6. Effluent Toxicity Testing Reports

The following information shall be submitted with each DMR unless otherwise directed by the Department. The Department may at any times suspend or reinstate this requirement or may decrease or increase the frequency of submittals.

- a. Introduction
 - (1) Facility name, location and county
 - (2) Permit number
 - (3) Toxicity testing requirements of permit

- (4) Name of receiving water body
 - (5) Contract laboratory information (if tests are performed under contract)
 - (i) Name of firm
 - (ii) Telephone number
 - (iii) Address
 - (6) Objective of test
- b. Plant Operations
- (1) Discharge Operating schedule (if other than continuous)
 - (2) Volume of discharge during sample collection to include Mean daily discharge on sample collection dates (MGD, CFS, GPM)
 - (3) Design flow of treatment facility at time of sampling
- c. Source of Effluent and Dilution Water
- (1) Effluent samples
 - (2) Sampling point
 - (3) Sample collection dates and times (to include composite sample start and finish times)
 - (4) Sample collection method
 - (5) Physical and chemical data of undiluted effluent samples (water temperature, pH, alkalinity, hardness, specific conductance, total residual chlorine (if applicable), etc.)
 - (6) Lapsed time from sample collection to delivery
 - (7) Lapsed time from sample collection to test initiation
 - (8) Sample temperature when received at the laboratory
 - (9) Dilution Water
 - (10) Source
 - (11) Collection/preparation date(s) and time(s)
 - (12) Pretreatment (if applicable)
 - (13) Physical and chemical characteristics (water temperature, pH, alkalinity, hardness, specific conductance, etc.)
- d. Test Conditions
- (1) Toxicity test method utilized
 - (2) End point(s) of test
 - (3) Deviations from referenced method, if any, and reason(s)
 - (4) Date and time test started
 - (5) Date and time test terminated
 - (6) Type and volume of test chambers
 - (7) Volume of solution per chamber
 - (8) Number of organisms per test chamber
 - (9) Number of replicate test chambers per treatment
 - (10) Test temperature, pH, and dissolved oxygen as recommended by the method (to include ranges)
 - (11) Specify if aeration was needed
 - (12) Feeding frequency, amount, and type of food

(13) Specify if (and how) pH control measures were implemented

(14) Light intensity (mean)

e. Test Organisms

(1) Scientific name

(2) Life stage and age

(3) Source

(4) Disease(s) treatment (if applicable)

f. Quality Assurance

(1) Reference toxicant utilized and source

(2) Date and time of most recent chronic reference toxicant test(s), raw data, and current control chart(s). (The most recent chronic reference toxicant test shall be conducted within 30 days of the routine.)

(3) Dilution water utilized in reference toxicant test

(4) Results of reference toxicant test(s) (NOEC, IC25, etc.); report concentration-response relationship and evaluate test sensitivity

(5) Physical and chemical methods utilized

g. Results

(1) Provide raw toxicity data in tabular form, including daily records of affected organisms in each concentration (including controls) and replicate

(2) Provide table of endpoints: NOECs, IC25s, PASS/FAIL, etc. (as required in the applicable NPDES permit)

(3) Indicate statistical methods used to calculate endpoints

(4) Provide all physical and chemical data required by method

(5) Results of test(s) (NOEC, IC25, PASS/FAIL, etc.), report concentration-response relationship (definitive test only), report percent minimum significant difference (PMSD) calculated for sublethal endpoints determined by hypothesis testing.

h. Conclusions and Recommendations

(1) Relationship between test endpoints and permit limits

(2) Actions to be taken

Adapted from "Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms", Fourth Edition, October 2002 (EPA 821-R-02-013), Section 10, Report Preparation.

C. TOTAL RESIDUAL CHLORINE (TRC) REQUIREMENTS

1. If chlorine is not utilized for disinfection purposes, TRC monitoring under Part I of this Permit is not required. If TRC monitoring is not required (conditional monitoring), "*9" should be reported on the DMR forms.
2. Testing for TRC shall be conducted according to either the amperometric titration method or the DPD colorimetric method as specified in Section 408(C) or (E), Standards Methods for the Examination of Water and Wastewater, 18th edition. If chlorine is not detected prior to actual discharge to the receiving stream using one of these methods (i.e., the analytical result is less than the detection level), the Permittee shall report on the DMR form "*B" or "0". The Permittee shall then be considered to be in compliance with the daily maximum concentration limit for TRC.
3. This permit contains a maximum allowable TRC level in the effluent. The Permittee is responsible for determining the minimum TRC level needed in the chlorine contact chamber to comply with E.coli limits. The effluent shall be dechlorinated if necessary to meet the maximum allowable effluent TRC level.
4. The sample collection point for effluent TRC shall be at a point downstream of the chlorine contact chamber (downstream of dechlorination, if applicable). The exact location is to be approved by the Director.

D. PLANT CLASSIFICATION

The Permittee shall report to the Director within 30 days of the effective date of this permit, the name, address and operator number of the certified wastewater operator in responsible charge of the facility. Unless specified elsewhere in this permit, this facility shall be classified in accordance with ADEM Admin. Code R. 335-10-1-.03.

E. SANITARY SEWER OVERFLOW RESPONSE PLAN

1. SSO Response Plan

Within 120 days of the effective date of this Permit, the Permittee shall develop a Sanitary Sewer Overflow (SSO) Response Plan to establish timely and effective methods for responding to notifiable sanitary sewer overflows. The SSO Response Plan shall address each of the following:

a. General Information

- (1) Approximate population of City/Town, if applicable
- (2) Approximate number of customers served by the Permittee
- (3) Identification of any subbasins designated by the Permittee, if applicable
- (4) Identification of estimated linear feet of sanitary sewers
- (5) Number of Pump/Lift Stations in the collection system

b. Responsibility Information

- (1) The title(s) and contact information of key position(s) who will coordinate the SSO response, including information for a backup coordinator in the event that the primary SSO coordinator is unavailable. The SSO coordinator is the person responsible for assessing the SSO and initiating a series of response actions based on the type, severity, and destination of the SSO, except for routine SSOs for which the coordinator may pre-approve written procedures. Routine SSOs are those for which the corrective action procedures are generally consistent.
- (2) The title(s), and contact information of key position(s) who will respond to SSOs, including information for backup responder(s) in the event the primary responder(s) are unavailable (i.e., position(s) who provide notification to the Department, the public, the county health department, and other affected entities such as public water systems; position(s) responsible for organizing crews for response; position(s) responsible for addressing public inquiries)

c. SSO and Surface Water Assessment

- (1) Identification of locations within the collection system at which an SSO is likely to occur (e.g., based upon historical SSOs, lift stations where electricity may be lost, etc.)
- (2) A map of the general collection system area, including identification of surface waterbodies and the location(s) of public drinking water source(s). Mapping of all collection system piping, pump stations, etc. is not required; however, if this information is already available, it should be included.
- (3) Identification of surface waterbodies within the collection system area which are classified as Swimming according to ADEM Admin. Code chap. 335-6-11. References available to assist in this requirement include the following: <http://adem.alabama.gov/alEnviroRegLaws/files/Division6Voll.pdf> and <http://adem.alabama.gov/wqmap>.
- (4) Identification of surface waterbodies within the collection system area which are not classified as Swimming as indicated in paragraph c above, but are known locally as areas where swimming occurs or as areas that are heavily recreated

d. Public Reporting of SSOs

- (1) Contact information for the public to report an SSO to the Permittee, during both normal and outside of normal business hours (e.g., telephone number, website, email address, etc.)
- (2) Information requested from the person reporting an SSO to assist the Permittee in identifying the SSO (e.g., date, time, location, contact information)

- (3) Procedures for communication of the SSO report to the appropriate positions for follow-up investigation and response, if necessary
- e. Procedures to immediately notify the Department, the county health department, and other affected entities (such as public water systems) upon becoming aware of notifiable SSOs
- f. **Public Notification Methods for SSOs**
 - (1) A listing of methods that are feasible, as determined by the Permittee, for public notifications (e.g., flyers distributed to nearby residents; signs posted at the location of the SSO, where the SSO enters a water of the state, and/or at a central public location; signs posted at fishing piers, boat launches, parks, swimming waterbodies, etc.; website and/or social media notifications; local print or radio and broadcast media notifications; "opt in" email, text message, or automated phone message notifications)
 - (i) If signage is a feasible method for public notification, procedures for use and removal of signage (e.g., availability and maintenance of signs, appropriate duration of postings)
 - (2) Minimum information to be included in public notifications (e.g., identification that an SSO has occurred, date, duration if known, estimated volume if known, location of the SSO by street address or other appropriate method, initial destination of the SSO)
 - (3) Procedures developed by the Permittee for determining the appropriate public notification method(s) based upon the potential for public exposure to health risks associated with the SSO
- g. **Standard Procedures shall be developed by the Permittee and shall include, at a minimum**
 - (1) General SSO Response Procedures (e.g., procedures for dispatching staff to assess/correct an SSO; procedures for routine SSO corrective actions such as those for sewer blockages, overflowing manholes, line breakages, pump station power failure, etc.; procedures for disinfection of affected area, if applicable);
 - (2) Procedures for collection and proper disposal of the SSO, if feasible.
 - (3) General procedures for coordinating instream water quality monitoring, including, but not limited to, procedures for mobilizing staff, collecting samples, and typical test methods should the Department or the Permittee determine monitoring is appropriate following an SSO. Identification of a contractor who will collect and analyze the sample(s) may be listed in lieu of the procedures.
 - (4) References to other documents (such as Standard Operating Procedures for SSO Responses) may be acceptable for this section; however, the referenced document shall be identified and shall be reviewed at a frequency of at least that required by the Administrative Procedures Section.
- h. Date of the SSO Response Plan, dates of all modifications and/or reviews, the title and signature of the reviewer(s) for each date and the signature of the responsible official or the appropriate designee.

2. SSO Response Plan Implementation

Except as otherwise required by this Permit, the Permittee shall fully implement the SSO Response Plan as soon as practicable, but no later than 180 days after the effective date of this Permit.

3. Department Review of the SSO Response Plan

- a. When requested by the Director or his designee, the Permittee shall make the SSO Response Plan available for review by the Department.
- b. Upon review, the Director or his designee may notify the Permittee that the SSO Response Plan is deficient and require modification of the Plan.
- c. Within thirty days of receipt of notification, or an alternate timeframe as approved by the Department, the Permittee shall modify any SSO Response Plan deficiency identified by the Director or his designee and shall certify to the Department that the modification has been made.

4. SSO Response Plan Administrative Procedures

- a. The Permittee shall maintain a copy of the SSO Response Plan at the permitted facility or an alternate location approved by the Department in writing and shall make it available for inspection by the Department.

- b. The Permittee shall make a copy of the SSO Response Plan available to the public upon written request within 30 days of such request. The Permittee may redact information which may present security issues, such as location of public water supplies, identification of specific details of vulnerabilities, employee information, etc.
- c. The Permittee shall provide training for any personnel required to implement the SSO Response Plan and shall retain at the facility documentation of such training. This documentation shall be available for inspection by the Department. Training shall be provided for existing personnel prior to the date by which implementation of the SSO Response Plan is required and for new personnel as soon as possible. Should significant revisions be made to the SSO Response Plan, training regarding the revisions shall be conducted as soon as possible.
- d. The Permittee shall complete a review and evaluation of the SSO Response Plan at least once every three years. Documentation of the SSO Response Plan review and evaluation shall be signed and dated by the responsible official or the appropriate designee as part of the SSO Response Plan.

F. POLLUTANT SCANS

The Permittee shall sample and analyze for the pollutants listed in 40 CFR 122 Appendix J Table 2. The Permittee shall provide data from a minimum of three samples collected within the four and one-half years prior to submitting a permit application. Samples must be representative of the seasonal variation in the discharge from each outfall.

FACT SHEET

**APPLICATION FOR
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PERMIT TO DISCHARGE POLLUTANTS TO WATERS OF
THE STATE OF ALABAMA**

Date Prepared: May 17, 2022

By: Stephanie Ammons

NPDES Permit No. AL0049867

1. Name and Address of Applicant:

North Baldwin Utilities
25 Hand Avenue
Bay Minette, AL 36507

2. Name and Address of Facility:

Harry Still Sr. WWTP
1000 East First Street
Bay Minette, AL 36507

3. Description of Applicant's Type of Facility and/or Activity Generating the Discharge:

Discharge Type(s): Surface Water
Treatment Method(s): Mechanical (WWTP)

4. Applicant's Receiving Waters

Feature ID	Receiving Water	Classification
001	Hollinger Creek	Fish and Wildlife (F&W)

For the Outfall latitude and longitude see the permit application.

5. Permit Conditions:

See attached Rationale and Draft Permit.

6. PROCEDURES FOR THE FORMULATION OF FINAL DETERMINATIONS

a. Comment Period

The Alabama Department of Environmental Management proposes to issue this NPDES permit subject to the limitations and special conditions outlined above. This determination is tentative.

Interested persons are invited to submit written comments on the draft permit to the following address:

Jeffery W. Kitchens, Chief
ADEM-Water Division
1400 Coliseum Blvd
[Mailing Address: Post Office Box 301463; Zip 36130-1463]
Montgomery, Alabama 36110-2400
(334) 271-7823
water-permits@adem.alabama.gov

All comments received prior to the closure of the public notice period (see public notice for date) will be considered in the formulation of the final determination with regard to this permit.

b. Public Hearing

A written request for a public hearing may be filed within the public notice period and must state the nature of the issues proposed to be raised in the hearing. A request for a hearing should be filed with the Department at the following address:

Jeffery W. Kitchens, Chief
ADEM-Water Division
1400 Coliseum Blvd
[Mailing Address: Post Office Box 301463; Zip 36130-1463]
Montgomery, Alabama 36110-2400
(334) 271-7823
water-permits@adem.alabama.gov

The Director shall hold a public hearing whenever it is found, on the basis of hearing requests, that there exists a significant degree of public interest in a permit application or draft permit. The Director may hold a public hearing whenever such a hearing might clarify one or more issues involved in the permit decision. Public notice of such a hearing will be made in accordance with ADEM Admin. Code r. 335-6-6-.21.

c. Issuance of the Permit

All comments received during the public comment period shall be considered in making the final permit decision. At the time that any final permit decision is issued, the Department shall prepare a response to comments in accordance with ADEM Admin. Code r. 335-6-6-.21. **The permit record, including the response to comments, will be available to the public via the eFile System <http://app.adem.alabama.gov/eFile/> or an appointment to review the record may be made by writing the Permits and Services Division at the above address.**

Unless a request for a stay of a permit or permit provision is granted by the Environmental Management Commission, the proposed permit contained in the Director's determination shall be issued and effective, and such issuance will be the final administrative action of the Alabama Department of Environmental Management.

d. Appeal Procedures

As allowed under ADEM Admin. Code chap. 335-2-1, any person aggrieved by the Department's final administrative action may file a request for hearing to contest such action.

Such requests should be received by the Environmental Management Commission within thirty days of issuance of the permit. Requests should be filed with the Commission at the following address:

**Alabama Environmental Management Commission
1400 Coliseum Blvd
[Mailing Address: Post Office Box 301463; Zip 36130-1463]
Montgomery, Alabama 36110-2400**

All requests must be in writing and shall contain the information provided in ADEM Admin. Code r. 335-2-1-.04.

NPDES PERMIT RATIONALE

NPDES Permit No: **AL0049867**

Date: September 28, 2022

Permit Applicant: North Baldwin Utilities
25 Hand Avenue
Bay Minette, AL 36507

Location: **Harry Still Sr. WWTP**
1000 East First Street
Bay Minette, AL 36507

Draft Permit is: Initial Issuance:
Reissuance due to expiration: X
Modification of existing permit:
Revocation and Reissuance:

Basis for Limitations: Water Quality Model: CBOD5, NH3-N, DO
Reissuance with no modification: DO, pH, TSS, NH3-N, TRC, CBOD5, CBOD5
Percent Removal, TSS Percent Removal
Instream calculation at 7Q10: 100%
Toxicity based: TRC
Secondary Treatment Levels: TSS, CBOD5 percent removal, TSS percent removal
Other (described below): pH, E. coli, Copper, Zinc

Design Flow in Million Gallons per Day: 2.0 MGD

Major: Yes

Description of Discharge:

Feature ID	Description	Receiving Water	WBC	303(d)	TMDL
001	Treated Municipal and Industrial Wastewater	Hollinger Creek	Fish and Wildlife (F&W)	No	No

Discussion: This is a permit reissuance due to expiration. The permit regulates the discharge of treated domestic and industrial wastewater to Hollinger Creek, a Tier I stream classified as Fish and Wildlife in the Perdido - Escambia River Basin. Hollinger Creek is not listed on Alabama's most recent 303(d) for impaired waters, and there are no approved Total Maximum Daily Loads (TMDLs) for the State of Alabama affecting the discharge. The proposed permit limits are described below.

The Department completed a reasonable potential analysis (RPA) of the discharge based on the receiving stream's historical low flows and data provided in the Permittee's application. The Department also considered background data upstream of the point of discharge; however, there was no upstream data available for this discharge. The RPA indicates whether pollutants in treated effluent have the potential to contribute to excursions of Alabama's instream water quality standards. Based on the RPA, it was determined that there is a reasonable potential for instream water quality standards to be exceeded for copper and zinc. This permit imposes Total Recoverable Copper limits of 12.7 ug/L (monthly average) and 18.0 ug/L (maximum daily) and Total Recoverable Zinc limits of 197 ug/L (monthly average) and 197 ug/L (maximum daily).

Limits for Five Day Carbonaceous Biochemical Oxygen Demand (CBOD5), Total Ammonia as Nitrogen (NH3-N), and Dissolved Oxygen (DO) were developed based on a Waste Load Allocation (WLA) model completed by ADEM's Water Quality Branch on December 31, 2015. The monthly average CBOD5 limit is 4.0 mg/L in the summer season (May – November) and 13.0 mg/L in the winter season (December – April). The monthly average NH3-N limit is 1.3 mg/L in the summer season and 4.0 mg/L in the winter season. The daily minimum DO limit is 6.0 mg/L year-round.

The Department has revised bacteriological criteria in ADEM Administrative Code R. 335-6-10-.09. As a result, this permit includes updated seasons that are consistent with the revised regulations. The imposed E. coli limits were determined based on the water-use classification of the receiving stream. Since Hollinger Creek is classified as Fish and Wildlife, the limits for May – October are 126 col/100mL (monthly average) and 298 col/100mL (daily maximum), while the limits for November – April are 548 col/100mL (monthly average) and 2507 col/100mL (daily maximum).

The pH limits were developed in accordance with the water-use classification of the receiving stream. The pH limits are 6.0 s.u. (daily minimum) and 8.5 s.u. (daily maximum).

The Total Residual Chlorine (TRC) limits are based on calculations to ensure that the acute and chronic toxic concentrations of TRC in the receiving stream are not exceeded. The daily maximum TRC limit is 0.019 mg/L. The monthly average TRC permit limit is 0.011 mg/L. In accordance with a letter dated August 11, 1998 from EPA Headquarters and a 1991 memorandum from EPA Region 4's Environmental Services Division (ESD), due to testing and method detection limitations, a TRC measurement below 0.05 mg/L shall be considered below detection for compliance purposes. The TRC limits are provisional. If chlorine disinfection is utilized then the imposed TRC limits will apply.

The monthly average Total Suspended Solids (TSS) limit is 30.0 mg/L in accordance with 40 CFR 133.102. A minimum percent removal limit of 85.0 percent is imposed for TSS in accordance with 40 CFR 133.102. A minimum percent removal limit of 85.0 percent is imposed for CBOD5 in accordance with 40 CFR 133.102.

In addition to NH3-N, the Permittee is required to monitor and report effluent test results for Total Phosphorus (TP), Total Kjeldahl Nitrogen (TKN), and Nitrite plus Nitrate-Nitrogen (NO2+NO3-N). Monitoring for these nutrient-related parameters is imposed so that sufficient information will be available regarding the nutrient contribution from this point source, should it be necessary at some later time to impose nutrient limits on this discharge.

Chronic toxicity with two species (*Ceriodaphnia* and *Pimephales*) is being imposed in this permit. Toxicity testing is imposed for both survival and life-cycle impairment (i.e., growth and reproduction). Chronic toxicity testing is required on an annual basis at the calculated Instream Waste Concentration (IWC) of 100 percent.

In the permit application, the Permittee indicated that there are no storm water outfalls from the treatment plant. The Permittee indicated that all storm water that falls within the active area of the plant is collected via curbs, gutters, yard inlets, and underground storm sewers which are routed back through the plant prior to discharge. In addition, all equipment, lime, and other miscellaneous items are stored within a covered building which utilizes a floor drain system discharging to the headworks of the plant. Therefore, storm water monitoring is not being required with this permit reissuance.

The frequency of monitoring for most parameters is three days per week. Monitoring results for nutrients are to be reported monthly. Copper and zinc monitoring is to be reported monthly. Flow is to be monitored continuously, seven days per week. Percent removals are to be calculated monthly. Toxicity testing is to be conducted during the month of October.

This permit imposes Sewer Overflow Response Plan (SORP) requirements. SORP requirements are described more fully in Part IV.E of the permit.

ADEM Administrative Rule 335-6-10-.12 requires applicants for new or expanded discharges to Tier II waters demonstrate that the proposed discharge is necessary for important economic or social development in the area in which the waters are located. The application submitted by the facility is not for a new or expanded discharge to a Tier II stream, so the applicant is not required to demonstrate that the discharge is necessary for economic and social development.

Prepared by: Stephanie Ammons

Waste Load Allocation Summary

Page 1

REQUEST INFORMATION

request number: 3265

From	Stephanie Ammons	In Branch Section	Municipal
Submitted	10/16/2015	Date Required	11/16/2015
FUND Code	605		
Waterbody	Hollinger Creek	Date Permit application received by NPDES program	9/15/2015
Previous Stream Name			
Facility Name	Harry Still Sr. WWTP	(Name of Discharger-WQ will use to file)	
		Previous Discharger Name	
River Basin	Perdido-Escambia	Outfall Latitude	30.8866 (decimal degrees)
*County	Baldwin	Outfall Longitude	-87.7639 (decimal degrees)
	AL0049867	Permit Type	Permit Reissuance
		Permit Status	Active
		Type of Discharger	MUNICIPAL

Do other discharges exist that may impact the model? Yes No

If yes, impacting dischargers names.

Impacting dischargers permit numbers.

Existing Discharge Design Flow	2	MGD	Note: The flow rates given should be those requested for modeling.
Proposed Discharge Design Flow	2	MGD	

Comments included

Yes No

Information Verified By

JBR

Year File Was Created 1990

Lat/Long Method GPS

12 Digit HUC Code 031401060503

Use Classification F&W

Site Visit Completed? Yes No

Waterbody Impaired?

Antidegradation Yes No

Waterbody Tier Level Tier I

Use Category 1

Date of Site Visit 10/22/2015

Date of WLA Response 12/31/2015

Approved TMDL?

Approval Date of TMDL

Waste Load Allocation Information

Modeled Reach Length 20.484

Miles

Date of Allocation 12/10/2015

Name of Model Used SWQM

Allocation Type 2 Seasons

Model Completed by JBR

Type of Model Used Desk-top

Allocation Developed by Water Quality Branch

Waste Load Allocation Summary

		Conventional Parameters				Other Parameters					
Annual Effluent Limits	Qw	2	MGD	2	MGD	TP	13	mg/L	TP	13	mg/L
	Season	Summer		Winter							
	From	May		Dec							
	Through	Nov		Apr							
CBOD5		4	mg/L	13	mg/L	TP			TP		
NH3-N		1.3	mg/L	4	mg/L	TN			TN		
TKN						TSS			TSS		
D.O.		6		6							

"Monitor Only" Parameters for Effluent:				Parameter	Frequency	Parameter	Frequency
				TP	Monthly		
				TKN	Monthly		
				NO2+NO3-N	Monthly		

Water Quality Characteristics Immediately Upstream of Discharge						
Parameter	Summer			Winter		
CBODu	2	mg/l		2	mg/l	
NH3-N	0.11	mg/l		0.11	mg/l	
Temperature	30	°C		20	°C	
pH	7	su		7	su	

Hydrology at Discharge Location				Method Used for Calculation	
Drainage Area Qualifier	Drainage Area	1.46	sq mi	<5.0 sq mi - Bingham Equation	
	Stream 7Q10	0	cfs	<5.0 sq mi - Bingham Equation	
	[Redacted]	0	[Redacted]	<5.0 sq mi - Bingham Equation	
	[Redacted]	0	[Redacted]	USGS Estimate	
	[Redacted]	2.92	[Redacted]		

Comments and/or Notations

TOXICITY AND DISINFECTION RATIONALE

Facility Name:	Harry Still Sr. WWTP	
NPDES Permit Number:	AL0049867	
Receiving Stream:	Hollinger Creek	
Facility Design Flow (Q _w):	2.000 MGD	
Receiving Stream 7Q ₁₀ :	0.000 cfs	
Receiving Stream 1Q ₁₀ :	0.000 cfs	
Winter Headwater Flow (WHF):	0.00 cfs	
Summer Temperature for CCC:	30 deg. Celsius	
Winter Temperature for CCC:	20 deg. Celsius	
Headwater Background NH ₃ -N Level:	0.11 mg/l	
Receiving Stream pH:	7.0 s.u.	
Headwater Background FC Level (summer):	N./A.	(Only applicable for facilities with diffusers.)
(winter)	N./A.	

The Stream Dilution Ratio (SDR) is calculated using the 7Q₁₀ for all stream classifications.

$$\text{Stream Dilution Ratio (SDR)} = \frac{Q_w}{7Q_{10} + Q_w} = 100.00\%$$

AMMONIA TOXICITY LIMITATIONS

Toxicity-based ammonia limits are calculated in accordance with the *Ammonia Toxicity Protocol* and the *General Guidance for Writing Water Quality Based Toxicity Permits*.

If the Limiting Dilution is less than 1%, the waterbody is considered stream-dominated and the CMC applies.

If the Limiting Dilution is greater than 1%, the waterbody is considered effluent-dominated and the CCC applies.

$$\begin{aligned} \text{Limiting Dilution} &= \frac{Q_w}{7Q_{10} + Q_w} \\ &= 100.00\% \quad \text{Effluent-Dominated, CCC Applies} \end{aligned}$$

$$\begin{aligned} \text{Criterion Maximum Concentration (CMC):} & \quad \text{CMC} = 0.411 / (1 + 10^{(7.204 - \text{pH})}) + 58.4 / (1 + 10^{(\text{pH} - 7.204)}) \\ \text{Criterion Continuous Concentration (CCC):} & \quad \text{CCC} = [0.0577 / (1 + 10^{(7.688 - \text{pH})}) + 2.487 / (1 + 10^{(\text{pH} - 7.688)})] * \text{Min}[2.85, 1.45 * 10^{(0.028 * (25 - T))}] \end{aligned}$$

	<u>CMC</u>	<u>CCC</u>
Allowable Summer Instream NH ₃ -N:	36.09 mg/l	2.18 mg/l
Allowable Winter Instream NH ₃ -N:	36.09 mg/l	4.15 mg/l

$$\begin{aligned} \text{Summer NH}_3\text{-N Toxicity Limit} &= \frac{[(\text{Allowable Instream NH}_3\text{-N}) * (7Q_{10} + Q_w)] - [(\text{Headwater NH}_3\text{-N}) * (7Q_{10})]}{Q_w} \\ &= 2.2 \text{ mg/l NH}_3\text{-N at } 7Q_{10} \end{aligned}$$

$$\begin{aligned} \text{Winter NH}_3\text{-N Toxicity Limit} &= \frac{[(\text{Allowable Instream NH}_3\text{-N}) * (\text{WHF} + Q_w)] - [(\text{Headwater NH}_3\text{-N}) * (\text{WHF})]}{Q_w} \\ &= 4.0 \text{ mg/l NH}_3\text{-N at Winter Flow} \end{aligned}$$

The ammonia limits established in the permit will be the lesser of the DO-based ammonia limit (from the wasteload allocation model) or the toxicity limits calculated above.

	<u>DO-based NH₃-N limit</u>	<u>Toxicity-based NH₃-N limit</u>
Summer	1.30 mg/l NH ₃ -N	2.20 mg/l NH ₃ -N
Winter	4.00 mg/l NH ₃ -N	4.0 mg/l NH ₃ -N at Winter Flow

Summer: The DO based limit of 1.30 mg/l NH₃-N applies.

Winter: The toxicity-based limit of 4.0 mg/l NH₃-N applies.

TOXICITY TESTING REQUIREMENTS (REFERENCE: MUNICIPAL BRANCH TOXICITY PERMITTING STRATEGY)

The following factors trigger toxicity testing requirements:

1. Facility design flow is equal to or greater than 1.0 MGD (major facility).
2. There are significant industrial contributors (SID permits).

Acute toxicity testing is specified for A&I receiving streams, or for stream dilution ratios of 1% or less.

Chronic toxicity testing is specified for all other situations requiring toxicity testing.

Chronic toxicity testing is required

$$\text{Instream Waste Concentration (IWC)} = \frac{Q_w}{7Q_{10} + Q_w} = 100.00\%$$

Note: This number will be rounded up for toxicity testing purposes.

DISINFECTION REQUIREMENTS

Bacteria limits are required, and will be the water quality limit for the receiving stream, except where diffusers are used the limit may be adjusted for the dilution provided by the diffuser.

See the attached Disinfection Guidance for applicable stream standards.

(Non-coastal limits apply)
 Applicable Stream Classification: **Fish & Wildlife**
 Disinfection Type: **Chlorination**
 Limit calculation method: **Limits based on meeting stream standards at the point of discharge.**

	Stream Standard (colonies/100ml)	Effluent Limit (colonies/100ml)
<u>E. Coli (applies to Non-coastal and Shellfish Harvesting Coastal)</u>		
Monthly limit as monthly average (November through April):	548	548
Monthly limit as monthly average (May through October):	126	126
Daily Max (November through April):	2507	2507
Daily Max (May through October):	298	298
<u>Enterococci (applies to Coastal)</u>		
Monthly limit as geometric mean (November through April):	Not applicable	Not applicable
Monthly limit as geometric mean (May through October):	Not applicable	Not applicable
Daily Max (November through April):	Not applicable	Not applicable
Daily Max (May through October):	Not applicable	Not applicable

MAXIMUM ALLOWABLE CHLORINATION LIMITS

Toxicity-based chlorine limits are calculated in accordance with the General Guidance for Writing Water Quality Based Toxicity Permits.

Chlorine has been shown to be acutely toxic at 0.019 mg/l and chronically toxic at 0.011 mg/l.

Maximum allowable TRC in effluent:	0.011	(0.011)/(SDR)
Maximum allowable TRC in effluent:	0.019	(0.019)/(SDR)

NOTE: A maximum chlorine limit will be imposed such that the instream concentration will not exceed acutely toxic concentrations in A & I streams and chronically toxic concentrations in all other streams, but may not exceed 1.0 mg/l.

Prepared By: Stephanie Ammons Date: 9/28/2022

Harry Still Sr. WWTP
 Permit No. AL0049867
 Summary of Permit Application Data

Below is a summary of data provided in the permit application. The summary below does not include parameters not required by Table C of EPA Form 2A. The summary below does not include parameters in which the data for all sampling events was reported as below the method detection limit. Please reference the lab data provided by the permittee for a more complete review of all samples collected.

Parameter	Number of Samples	Average of Samples	Maximum of Samples	Sample Collection Date		
				3/22/2021	6/13/2022	6/30/2022
Total Phenolic Compounds	3	0.00666 mg/L	0.02 mg/L	0.02 mg/L	*B	*B
Copper	3	4.433 ug/L	7.0 ug/L	*B	7.0 ug/L	6.3 ug/L
Nickel	3	0.466 ug/L	1.4 ug/L	*B	1.4 ug/L	*B
Zinc	3	61.13 ug/L	110 ug/L	0.11 mg/L	38.5 ug/L	34.9 ug/L
Hardness	3	62.0 mg/L	92.0 mg/L	92.0 mg/L	48.0 mg/L	46.0 mg/L
Mercury	3	0.00166 ug/L	0.0028 ug/L	0.00103 ug/L	0.00116 ug/L	0.0028 ug/L

*B = Below Detection Limit

Note: For calculation of averages, values below the detect limit were considered to be zero.



NORTH BALDWIN UTILITIES

PROVIDING QUALITY SERVICES SINCE 1945 - NATURAL GAS • WATER • WASTEWATER

25 Hand Ave | Bay Minette, AL 36507
251.937.0345 fax | 251.580.1626 phone
www.northbaldwinutilities.com

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MUNICIPAL SECTION

July 2, 2021

Alabama Department of Environmental Management
Water Division – Municipal Permit Section
P.O. Box 301463
Montgomery, AL 36130-1463

Attn. Ms. Stephanie Ammons

Re: *Harry Still Sr. WWTP AL0049867*

Dear Ms. Ammons:

North Baldwin Utilities would like to submit the enclosed NPDES renewal application package for the Harry Still Sr. Wastewater Treatment Plant located in Bay Minette, AL. The NPDES Number of the Harry Still Sr. WWTP is AL0049867. The following items are included in this submittal package:

- 1.) ADEM Form 188
- 2.) EPA Form 2A
- 3.) EPA Form 2S
- 4.) Letter describing stormwater management
- 5.) Topographical Location Map
- 6.) Schematic Drawing of WWTP Facility
- 7.) Check payable to ADEM in the amount of \$8,075.00 to cover permitting fees.

Should you have any questions or require additional information please do not hesitate to call.

Sincerely,

NORTH BALDWIN UTILITIES

Jason M. Padgett
General Manager / CEO



NORTH BALDWIN UTILITIES

PROVIDING QUALITY SERVICES SINCE 1945 - NATURAL GAS • WATER • WASTEWATER

25 Hand Ave | Bay Minette, AL 36507
251.937.0345 fax | 251.580.1626 phone
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MUNICIPAL SECTION

September 17, 2021

Alabama Department of Environment Management
Attn: Ms. Stephanie Ammons
Water Division – Municipal Section
P. O. Box 301463
Montgomery, AL 36130-1463

RE: Revised Permit Renewal #AL0049867

Dear Ms. Ammons:

North Baldwin Utilities would like to resubmit the enclosed NPDES revised renewal application package for the Harry Still Sr. Wastewater Treatment Plant located in Bay Minette, AL. The NPDES number of the Harry Still Sr. WWTP is AL0049867. The following items are included in this submittal:

- 1) Revised ADEM Form 188
- 2) EPA Form 2S
- 3) Letter describing stormwater management
- 4) Topographical Location Map
- 5) Schematic Drawing of WWTP facility

Please process accordingly. If you have any questions, please contact me at (251) 580-1626.

Yours truly,

Jason M. Padgett
General Manager/CEO

Enclosures
JMP/tr

Form 2A NPDES		U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater NEW AND EXISTING PUBLICLY OWNED TREATMENT WORKS
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SECTION 1. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS (40 CFR 122.21(j)(1) and (9))

Facility Information	1.1	Facility name Harry Still Sr WWTP		
	Mailing address (street or P.O. box) 25 Hand Ave			
	City or town Bay Minette		State AL	ZIP code 36507
	Contact name (first and last) James Dean	Title Wastewater Supervisor	Phone number (251) 580-1853	Email address jdean@nbumail.com
	Location address (street, route number, or other specific identifier) <input type="checkbox"/> Same as mailing address 1000 East 1st St			
	City or town Bay Minette		State AL	ZIP code 36507
1.2	Is this application for a facility that has yet to commence discharge? <input type="checkbox"/> Yes → See instructions on data submission requirements for new dischargers. <input checked="" type="checkbox"/> No			
Applicant Information	1.3	Is applicant different from entity listed under Item 1.1 above? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.4.		
	Applicant name North Baldwin Utilities			
	Applicant address (street or P.O. box) 25 Hand Ave			
	City or town Bay Minette		State AL	ZIP code 36507
	Contact name (first and last) Jason Padgett	Title General Manager/CEO	Phone number (251) 580-1626	Email address jpadgett@nbumail.com
	1.4	Is the applicant the facility's owner, operator, or both? (Check only one response.) <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Both		
1.5	To which entity should the NPDES permitting authority send correspondence? (Check only one response.) <input type="checkbox"/> Facility <input type="checkbox"/> Applicant <input checked="" type="checkbox"/> Facility and applicant (they are one and the same)			
Existing Environmental Permits	1.6	Indicate below any existing environmental permits. (Check all that apply and print or type the corresponding permit number for each.)		
	Existing Environmental Permits			
	<input checked="" type="checkbox"/>	NPDES (discharges to surface water) AL0049867	<input type="checkbox"/>	RCRA (hazardous waste)
	<input type="checkbox"/>	PSD (air emissions)	<input type="checkbox"/>	Nonattainment program (CAA)
	<input type="checkbox"/>	Ocean dumping (MPRSA)	<input type="checkbox"/>	Dredge or fill (CWA Section 404)
		<input type="checkbox"/>	UIC (underground injection control)	
		<input type="checkbox"/>	NESHAPs (CAA)	
		<input type="checkbox"/>	Other (specify)	

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Collection System and Population Served	1.7	Provide the collection system information requested below for the treatment works.			
	Municipality Served	Population Served	Collection System Type (indicate percentage)	Ownership Status	
	Bay Minette AL	8500	100 % separate sanitary sewer _____ % combined storm and sanitary sewer <input type="checkbox"/> Unknown	<input checked="" type="checkbox"/> Own <input checked="" type="checkbox"/> Maintain <input type="checkbox"/> Own <input type="checkbox"/> Maintain <input type="checkbox"/> Own <input type="checkbox"/> Maintain	
			_____ % separate sanitary sewer _____ % combined storm and sanitary sewer <input type="checkbox"/> Unknown	<input type="checkbox"/> Own <input type="checkbox"/> Maintain <input type="checkbox"/> Own <input type="checkbox"/> Maintain <input type="checkbox"/> Own <input type="checkbox"/> Maintain	
			_____ % separate sanitary sewer _____ % combined storm and sanitary sewer <input type="checkbox"/> Unknown	<input type="checkbox"/> Own <input type="checkbox"/> Maintain <input type="checkbox"/> Own <input type="checkbox"/> Maintain <input type="checkbox"/> Own <input type="checkbox"/> Maintain	
			_____ % separate sanitary sewer _____ % combined storm and sanitary sewer <input type="checkbox"/> Unknown	<input type="checkbox"/> Own <input type="checkbox"/> Maintain <input type="checkbox"/> Own <input type="checkbox"/> Maintain <input type="checkbox"/> Own <input type="checkbox"/> Maintain	
	Total Population Served	8500			
			Separate Sanitary Sewer System	Combined Storm and Sanitary Sewer	
Total percentage of each type of sewer line (in miles)		100% <input checked="" type="checkbox"/>	% <input type="checkbox"/>		
Indian Country	1.8	Is the treatment works located in Indian Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	1.9	Does the facility discharge to a receiving water that flows through Indian Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Design and Actual Flow Rates	1.10	Provide design <i>and</i> actual flow rates in the designated spaces.		Design Flow Rate 2.00 mgd	
		Annual Average Flow Rates (Actual)			
		Two Years Ago	Last Year	This Year	
		0.94 mgd	0.81 mgd	0.90 mgd	
		Maximum Daily Flow Rates (Actual)			
		Two Years Ago	Last Year	This Year	
3.72 mgd	4.08 mgd	3.88 mgd			
Discharge Points by Type	1.11	Provide the total number of effluent discharge points to waters of the United States by type.			
		Total Number of Effluent Discharge Points by Type			
		Treated Effluent	Untreated Effluent	Combined Sewer Overflows	Bypasses
	1	0	0	0	0

Outfalls and Other Discharge or Disposal Methods

Outfalls Other Than to Waters of the United States			
1.12	Does the POTW discharge wastewater to basins, ponds, or other surface impoundments that do not have outlets for discharge to waters of the United States? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.14.		
1.13	Provide the location of each surface impoundment and associated discharge information in the table below.		
Surface Impoundment Location and Discharge Data			
	Location	Average Daily Volume Discharged to Surface Impoundment	Continuous or Intermittent (check one)
		gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
1.14	Is wastewater applied to land? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.16.		
1.15	Provide the land application site and discharge data requested below.		
Land Application Site and Discharge Data			
	Location	Size	Average Daily Volume Applied
		acres	gpd
		acres	gpd
		acres	gpd
1.16	Is effluent transported to another facility for treatment prior to discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.21.		
1.17	Describe the means by which the effluent is transported (e.g., tank truck, pipe).		
1.18	Is the effluent transported by a party other than the applicant? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.20.		
1.19	Provide information on the transporter below.		
Transporter Data			
Entity name		Mailing address (street or P.O. box)	
City or town		State	ZIP code
Contact name (first and last)		Title	
Phone number		Email address	

Outfalls and Other Discharge or Disposal Methods Continued	1.20	In the table below, indicate the name, address, contact information, NPDES number, and average daily flow rate of the receiving facility.			
	Receiving Facility Data				
	Facility name			Mailing address (street or P.O. box)	
	City or town		State	ZIP code	
	Contact name (first and last)			Title	
	Phone number			Email address	
	NPDES number of receiving facility (if any) <input type="checkbox"/> None			Average daily flow rate mgd	
Variance Requests	1.21	Is the wastewater disposed of in a manner other than those already mentioned in Items 1.14 through 1.21 that do not have outlets to waters of the United States (e.g., underground percolation, underground injection)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.23.			
	1.22	Provide information in the table below on these other disposal methods.			
	Information on Other Disposal Methods				
	Disposal Method Description	Location of Disposal Site	Size of Disposal Site	Annual Average Daily Discharge Volume	Continuous or Intermittent (check one)
		acres	gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	
		acres	gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	
		acres	gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	
Contractor Information	1.23	Do you intend to request or renew one or more of the variances authorized at 40 CFR 122.21(n)? (Check all that apply. Consult with your NPDES permitting authority to determine what information needs to be submitted and when.) <input type="checkbox"/> Discharges into marine waters (CWA Section 301(h)) <input type="checkbox"/> Water quality related effluent limitation (CWA Section 302(b)(2)) <input checked="" type="checkbox"/> Not applicable			
	1.24	Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a contractor? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 2.			
Contractor Information	1.25	Provide location and contact information for each contractor in addition to a description of the contractor's operational and maintenance responsibilities.			
	Contractor Information				
		Contractor 1	Contractor 2	Contractor 3	
	Contractor name (company name)				
	Mailing address (street or P.O. box)				
	City, state, and ZIP code				
	Contact name (first and last)				
	Phone number				
Email address					
Operational and maintenance responsibilities of contractor					

SECTION 2. ADDITIONAL INFORMATION (40 CFR 122.21(j)(1) and (2))

Outfalls to Waters of the United States						
Design Flow	2.1 Does the treatment works have a design flow greater than or equal to 0.1 mgd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Section 3.					
	2.2 Provide the treatment works' current average daily volume of inflow and infiltration. Average Daily Volume of Inflow and Infiltration <div style="text-align: right; padding-right: 20px;">30,000 gpd</div> Indicate the steps the facility is taking to minimize inflow and infiltration. Smoke tests/ Flow monitoring to identify sewer rehab/ replacement to eliminate					
Inflow and Infiltration						
Topographic Map	2.3 Have you attached a topographic map to this application that contains all the required information? (See instructions for specific requirements.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Flow Diagram	2.4 Have you attached a process flow diagram or schematic to this application that contains all the required information? (See instructions for specific requirements.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Scheduled Improvements and Schedules of Implementation	2.5 Are improvements to the facility scheduled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 3. Briefly list and describe the scheduled improvements.					
	1.					
	2.					
	3.					
	4.					
	2.6 Provide scheduled or actual dates of completion for improvements.					
	Scheduled or Actual Dates of Completion for Improvements					
	Scheduled Improvement (from above)	Affected Outfalls (list outfall number)	Begin Construction (MM/DD/YYYY)	End Construction (MM/DD/YYYY)	Begin Discharge (MM/DD/YYYY)	Attainment of Operational Level (MM/DD/YYYY)
	1.					
	2.					
3.						
4.						
2.7 Have appropriate permits/clearances concerning other federal/state requirements been obtained? Briefly explain your response. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None required or applicable						
Explanation:						

SECTION 3. INFORMATION ON EFFLUENT DISCHARGES (40 CFR 122.21(j)(3) to (5))

Description of Outfalls	3.1	Provide the following information for each outfall. (Attach additional sheets if you have more than three outfalls.)		
		Outfall Number <u>1</u>	Outfall Number _____	Outfall Number _____
	State	Alabama		
	County	Baldwin		
	City or town	Bay Minette		
	Distance from shore	1 ft.	ft.	ft.
	Depth below surface	1 ft.	ft.	ft.
	Average daily flow rate	0.90 mgd	mgd	mgd
	Latitude	30° 53' 12" N	° ' "	° ' "
	Longitude	87° 45' 49" W	° ' "	° ' "
Seasonal or Periodic Discharge Data	3.2	Do any of the outfalls described under Item 3.1 have seasonal or periodic discharges? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 3.4.		
	3.3	If so, provide the following information for each applicable outfall.		
		Outfall Number _____	Outfall Number _____	Outfall Number _____
	Number of times per year discharge occurs			
	Average duration of each discharge (specify units)			
Average flow of each discharge	mgd	mgd	mgd	
Months in which discharge occurs				
Diffuser Type	3.4	Are any of the outfalls listed under Item 3.1 equipped with a diffuser? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 3.6.		
	3.5	Briefly describe the diffuser type at each applicable outfall.		
		Outfall Number _____	Outfall Number _____	Outfall Number _____
Waters of the U.S.	3.6	Does the treatment works discharge or plan to discharge wastewater to waters of the United States from one or more discharge points? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Section 6.		

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Receiving Water Description	3.7	Provide the receiving water and related information (if known) for each outfall.		
		Outfall Number 1	Outfall Number	Outfall Number
	Receiving water name	Hollinger's Creek		
	Name of watershed, river, or stream system	Perdido-Escambia River Basin		
	U.S. Soil Conservation Service 14-digit watershed code	HUC 12-031 401 060501		
	Name of state management/river basin			
	U.S. Geological Survey 8-digit hydrologic cataloging unit code			
	Critical low flow (acute)	cfs	cfs	cfs
	Critical low flow (chronic)	cfs	cfs	cfs
	Total hardness at critical low flow	mg/L of CaCO ₃	mg/L of CaCO ₃	mg/L of CaCO ₃
Treatment Description	3.8	Provide the following information describing the treatment provided for discharges from each outfall.		
		Outfall Number 1	Outfall Number	Outfall Number
	Highest Level of Treatment (check all that apply per outfall)	<input type="checkbox"/> Primary <input type="checkbox"/> Equivalent to secondary <input checked="" type="checkbox"/> Secondary <input type="checkbox"/> Advanced <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Primary <input type="checkbox"/> Equivalent to secondary <input type="checkbox"/> Secondary <input type="checkbox"/> Advanced <input type="checkbox"/> Other (specify)	<input type="checkbox"/> Primary <input type="checkbox"/> Equivalent to secondary <input type="checkbox"/> Secondary <input type="checkbox"/> Advanced <input type="checkbox"/> Other (specify)
	Design Removal Rates by Outfall	1		
	BOD ₅ or CBOD ₅	85 %	%	%
	TSS	85 %	%	%
	Phosphorus	<input checked="" type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %
	Nitrogen	<input checked="" type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %
Other (specify) NH ₃ -N	<input checked="" type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %	<input type="checkbox"/> Not applicable %	

Treatment Description Continued	3.9	Describe the type of disinfection used for the effluent from each outfall in the table below. If disinfection varies by season, describe below. Chlorination				
		Outfall Number <u>1</u>	Outfall Number _____	Outfall Number _____		
		Disinfection type	Chlorination			
		Seasons used	All			
		Dechlorination used?	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No
Effluent Testing Data	3.10	Have you completed monitoring for all Table A parameters and attached the results to the application package? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	3.11	Have you conducted any WET tests during the 4.5 years prior to the date of the application on any of the facility's discharges or on any receiving water near the discharge points? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 3.13.				
	3.12	Indicate the number of acute and chronic WET tests conducted since the last permit reissuance of the facility's discharges by outfall number or of the receiving water near the discharge points.	Outfall Number <u>1</u>	Outfall Number _____	Outfall Number _____	
			Acute	Chronic	Acute	Chronic
		Number of tests of discharge water		5		
		Number of tests of receiving water				
	3.13	Does the treatment works have a design flow greater than or equal to 0.1 mgd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 3.16.				
	3.14	Does the POTW use chlorine for disinfection, use chlorine elsewhere in the treatment process, or otherwise have reasonable potential to discharge chlorine in its effluent? <input checked="" type="checkbox"/> Yes → Complete Table B, including chlorine. <input type="checkbox"/> No → Complete Table B, omitting chlorine.				
	3.15	Have you completed monitoring for all applicable Table B pollutants and attached the results to this application package? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	3.16	Does one or more of the following conditions apply? <ul style="list-style-type: none"> • The facility has a design flow greater than or equal to 1 mgd. • The POTW has an approved pretreatment program or is required to develop such a program. • The NPDES permitting authority has informed the POTW that it must sample for the parameters in Table C, must sample other additional parameters (Table D), or submit the results of WET tests for acute or chronic toxicity for each of its discharge outfalls (Table E). <input checked="" type="checkbox"/> Yes → Complete Tables C, D, and E as applicable. <input type="checkbox"/> No → SKIP to Section 4.				
3.17	Have you completed monitoring for all applicable Table C pollutants and attached the results to this application package? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
3.18	Have you completed monitoring for all applicable Table D pollutants required by your NPDES permitting authority and attached the results to this application package? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No additional sampling required by NPDES permitting authority.					

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Effluent Testing Data Continued

3.19	Has the POTW conducted either (1) minimum of four quarterly WET tests for one year preceding this permit application or (2) at least four annual WET tests in the past 4.5 years? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → Complete tests and Table E and SKIP to Item 3.26.				
3.20	Have you previously submitted the results of the above tests to your NPDES permitting authority? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → Provide results in Table E and SKIP to Item 3.26.				
3.21	Indicate the dates the data were submitted to your NPDES permitting authority and provide a summary of the results.				
	<table border="1"> <thead> <tr> <th>Date(s) Submitted (MM/DD/YYYY)</th> <th>Summary of Results</th> </tr> </thead> <tbody> <tr> <td></td> <td>11-27-17 - PASS 11-21-18 - PASS 11-25-19 - PASS 11-24-22 - PASS</td> </tr> </tbody> </table>	Date(s) Submitted (MM/DD/YYYY)	Summary of Results		11-27-17 - PASS 11-21-18 - PASS 11-25-19 - PASS 11-24-22 - PASS
Date(s) Submitted (MM/DD/YYYY)	Summary of Results				
	11-27-17 - PASS 11-21-18 - PASS 11-25-19 - PASS 11-24-22 - PASS				
3.22	Regardless of how you provided your WET testing data to the NPDES permitting authority, did any of the tests result in toxicity? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 3.26.				
3.23	Describe the cause(s) of the toxicity:				
3.24	Has the treatment works conducted a toxicity reduction evaluation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 3.26.				
3.25	Provide details of any toxicity reduction evaluations conducted.				
3.26	Have you completed Table E for all applicable outfalls and attached the results to the application package? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable because previously submitted information to the NPDES permitting authority.				

SECTION 4. INDUSTRIAL DISCHARGES AND HAZARDOUS WASTES (40 CFR 122.21(j)(6) and (7))

Industrial Discharges and Hazardous Wastes

4.1	Does the POTW receive discharges from SIUs or NSCIUs? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 4.7.				
4.2	Indicate the number of SIUs and NSCIUs that discharge to the POTW.				
	<table border="1"> <thead> <tr> <th>Number of SIUs</th> <th>Number of NSCIUs</th> </tr> </thead> <tbody> <tr> <td>3</td> <td></td> </tr> </tbody> </table>	Number of SIUs	Number of NSCIUs	3	
Number of SIUs	Number of NSCIUs				
3					
4.3	Does the POTW have an approved pretreatment program? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
4.4	Have you submitted either of the following to the NPDES permitting authority that contains information substantially identical to that required in Table F: (1) a pretreatment program annual report submitted within one year of the application or (2) a pretreatment program? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 4.6.				
4.5	Identify the title and date of the annual report or pretreatment program referenced in Item 4.4. SKIP to Item 4.7.				
4.6	Have you completed and attached Table F to this application package? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

Industrial Discharges and Hazardous Wastes Continued	4.7	Does the POTW receive, or has it been notified that it will receive, by truck, rail, or dedicated pipe, any wastes that are regulated as RCRA hazardous wastes pursuant to 40 CFR 261? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 4.9.				
	4.8	If yes, provide the following information:				
		Hazardous Waste Number	Waste Transport Method (check all that apply)		Annual Amount of Waste Received	Units
			<input type="checkbox"/> Truck	<input type="checkbox"/> Rail		
			<input type="checkbox"/> Dedicated pipe	<input type="checkbox"/> Other (specify) _____		
		<input type="checkbox"/> Truck	<input type="checkbox"/> Rail			
	<input type="checkbox"/> Dedicated pipe	<input type="checkbox"/> Other (specify) _____				
	<input type="checkbox"/> Truck	<input type="checkbox"/> Rail				
	<input type="checkbox"/> Dedicated pipe	<input type="checkbox"/> Other (specify) _____				
4.9	Does the POTW receive, or has it been notified that it will receive, wastewaters that originate from remedial activities, including those undertaken pursuant to CERCLA and Sections 3004(7) or 3008(h) of RCRA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 5.					
4.10	Does the POTW receive (or expect to receive) less than 15 kilograms per month of non-acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e)? <input checked="" type="checkbox"/> Yes → SKIP to Section 5. <input type="checkbox"/> No					
4.11	Have you reported the following information in an attachment to this application: identification and description of the site(s) or facility(ies) at which the wastewater originates; the identities of the wastewater's hazardous constituents; and the extent of treatment, if any, the wastewater receives or will receive before entering the POTW? <input type="checkbox"/> Yes <input type="checkbox"/> No					
SECTION 5. COMBINED SEWER OVERFLOWS (40 CFR 122.21(j)(8))						
CSO Map and Diagram	5.1	Does the treatment works have a combined sewer system? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 6.				
	5.2	Have you attached a CSO system map to this application? (See instructions for map requirements.) <input type="checkbox"/> Yes <input type="checkbox"/> No				
	5.3	Have you attached a CSO system diagram to this application? (See instructions for diagram requirements.) <input type="checkbox"/> Yes <input type="checkbox"/> No				

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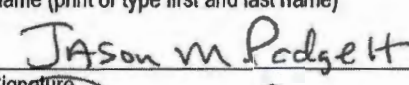
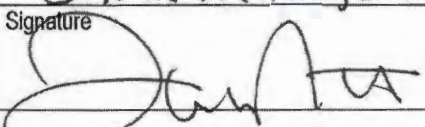
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CSO Outfall Description	5.4	For each CSO outfall, provide the following information. (Attach additional sheets as necessary.)		
		CSO Outfall Number _____	CSO Outfall Number _____	CSO Outfall Number _____
	City or town			
	State and ZIP code			
	County			
	Latitude	° ' "	° ' "	° ' "
	Longitude	° ' "	° ' "	° ' "
	Distance from shore	ft.	ft.	ft.
	Depth below surface	ft.	ft.	ft.
CSO Monitoring	5.5	Did the POTW monitor any of the following items in the past year for its CSO outfalls?		
		CSO Outfall Number _____	CSO Outfall Number _____	CSO Outfall Number _____
	Rainfall	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	CSO flow volume	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	CSO pollutant concentrations	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Receiving water quality	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	CSO frequency	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Number of storm events	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
CSO Events in Past Year	5.6	Provide the following information for each of your CSO outfalls.		
		CSO Outfall Number _____	CSO Outfall Number _____	CSO Outfall Number _____
	Number of CSO events in the past year	events	events	events
	Average duration per event	hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated
	Average volume per event	million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated
	Minimum rainfall causing a CSO event in last year	inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated

CSO Receiving Waters	5.7	Provide the information in the table below for each of your CSO outfalls.		
		CSO Outfall Number ____	CSO Outfall Number ____	CSO Outfall Number ____
	Receiving water name			
	Name of watershed/ stream system			
	U.S. Soil Conservation Service 14-digit watershed code (if known)	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown
	Name of state management/river basin			
	U.S. Geological Survey 8-Digit Hydrologic Unit Code (if known)	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown
	Description of known water quality impacts on receiving stream by CSO (see instructions for examples)			

SECTION 6. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement	6.1	In Column 1 below, mark the sections of Form 2A that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments.		
		Column 1	Column 2	
	<input checked="" type="checkbox"/>	Section 1: Basic Application Information for All Applicants	<input type="checkbox"/> w/ variance request(s)	<input type="checkbox"/> w/ additional attachments
	<input checked="" type="checkbox"/>	Section 2: Additional Information	<input checked="" type="checkbox"/> w/ topographic map <input type="checkbox"/> w/ additional attachments	<input checked="" type="checkbox"/> w/ process flow diagram
	<input checked="" type="checkbox"/>	Section 3: Information on Effluent Discharges	<input checked="" type="checkbox"/> w/ Table A <input checked="" type="checkbox"/> w/ Table B <input checked="" type="checkbox"/> w/ Table C	<input checked="" type="checkbox"/> w/ Table D <input type="checkbox"/> w/ Table E <input type="checkbox"/> w/ additional attachments
	<input checked="" type="checkbox"/>	Section 4: Industrial Discharges and Hazardous Wastes	<input type="checkbox"/> w/ SIU and NSCIU attachments <input type="checkbox"/> w/ additional attachments	<input type="checkbox"/> w/ Table F
	<input checked="" type="checkbox"/>	Section 5: Combined Sewer Overflows	<input type="checkbox"/> w/ CSO map <input type="checkbox"/> w/ CSO system diagram	<input type="checkbox"/> w/ additional attachments
	<input checked="" type="checkbox"/>	Section 6: Checklist and Certification Statement	<input checked="" type="checkbox"/> w/ attachments	

6.2	Certification Statement		
	<p><i>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 that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i></p>		
	Name (print or type first and last name)	Official title	
	 Jason M. Podgett	General Manager/CEO	
	Signature	Date signed	
		7-21-22	

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TABLE A. EFFLUENT PARAMETERS FOR ALL POTWS							
Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Biochemical oxygen demand <input type="checkbox"/> BOD ₅ or <input checked="" type="checkbox"/> CBOD ₅ (report one)	9.27	mg/L	2.03	mg/L	1	5210 B-2011	<input type="checkbox"/> ML <input type="checkbox"/> MDL
Fecal coliform	3.25	col/100 mL	0.54	col/100 mL	12	m-ColiBlue24 MPN _L	<input type="checkbox"/> ML <input type="checkbox"/> MDL
Design flow rate	2.00	MGD	0.897	MGD	1		
pH (minimum)	6.14						
pH (maximum)	7.24						
Temperature (winter)	21.8	C	17.9	C	365		
Temperature (summer)	28.2	C	26.7	C	365		
Total suspended solids (TSS)	⁶	mg/L	2.37	mg/L	1	2540	<input type="checkbox"/> ML <input type="checkbox"/> MDL

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE B. EFFLUENT PARAMETERS FOR ALL POTWS WITH A FLOW EQUAL TO OR GREATER THAN 0.1 MGD

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Ammonia (as N)	0.67	mg/L	0.15	mg/L	3	EPA 350.1	<input type="checkbox"/> ML <input type="checkbox"/> MDL
Chlorine (total residual, TRC) ²	0	mg/L	0	mg/L	3		<input type="checkbox"/> ML <input type="checkbox"/> MDL
Dissolved oxygen	9.07	mg/L	7.92	mg/L	3		<input type="checkbox"/> ML <input type="checkbox"/> MDL
Nitrate/nitrite	38.5	mg/L	17.14	mg/L	3	4500-N03 F	<input type="checkbox"/> ML <input type="checkbox"/> MDL
Kjeldahl nitrogen	1.8	mg/L	0.35	mg/L	3	EPA 351.2	<input type="checkbox"/> ML <input type="checkbox"/> MDL
Oil and grease							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Phosphorus	3.40	mg/L	1.84	mg/L	3	EPA 365.4	<input type="checkbox"/> ML <input type="checkbox"/> MDL
Total dissolved solids							<input type="checkbox"/> ML <input type="checkbox"/> MDL

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

² Facilities that do not use chlorine for disinfection, do not use chlorine elsewhere in the treatment process, and have no reasonable potential to discharge chlorine in their effluent are not required to report data for chlorine.

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TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Metals, Cyanide, and Total Phenols							
Hardness (as CaCO ₃)	92.0	mg/L	62	mg/L	3	SM 2340C	5 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Antimony, total recoverable	<0.006	mg/L	<0.006	mg/L	3	EPA 200.8	0.006 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Arsenic, total recoverable	<0.010	mg/L	<0.010	mg/L	3	EPA 200.8	0.010 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Beryllium, total recoverable	<0.0050	mg/L	<0.0050	mg/L	3	EPA 200.8	0.0050 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Cadmium, total recoverable	<0.0050	mg/L	<0.0050	mg/L	3	EPA 200.8	0.0050 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chromium, total recoverable	<0.010	mg/L	<0.010	mg/L	3	EPA 200.8	0.010 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Copper, total recoverable	7.0	mg/L	4.4	mg/L	3	EPA 200.8	0.010 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Lead, total recoverable	<0.0050	mg/L	<0.0050	mg/L	3	EPA 200.8	0.0050 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Mercury, total recoverable	0.0020	ug/L	0.00166	ug/L	3	EPA 1631E	0.20 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Nickel, total recoverable	1.4	mg/L	0.5	mg/L	3	EPA 200.8	0.040 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Selenium, total recoverable	<0.020	mg/L	<0.020	mg/L	3	EPA 200.8	0.020 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Silver, total recoverable	<0.010	mg/L	<0.010	mg/L	3	EPA 200.8	0.010 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Thallium, total recoverable	<0.010	mg/L	<0.010	mg/L	3	EPA 200.8	0.100 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Zinc, total recoverable	38.5	mg/L	24.5	mg/L	3	EPA 200.8	0.020 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Cyanide	<0.020	mg/L	<0.020	mg/L	3	SM 4500-CN-E	0.020 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Total phenolic compounds	0.020	mg/l	0.007	mg/L	3	EPA 420.1	0.020 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Volatile Organic Compounds							
Acrolein	<20.0	ug/L	<20.0	ug/L	3	EPA 624	20.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Acrylonitrile	<20.0	ug/L	<20.0	ug/L	3	EPA 624	20 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzene	<5.0	ug/L	<5.0	ug/L	3	EPA 624	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bromoform	<5.0	ug/L	<5.0	ug/L	3	EPA 624	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

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TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Carbon tetrachloride	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chlorobenzene	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chlorodibromomethane	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input checked="" type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chloroethane	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-chloroethylvinyl ether	<20.0	ug/L	<20.0	ug/L	3	EPA 624.1	20.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chloroform	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Dichlorobromomethane	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1-dichloroethane	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2-dichloroethane	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
trans-1,2-dichloroethylene	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1-dichloroethylene	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2-dichloropropane	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,3-dichloropropylene	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Ethylbenzene	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Methyl bromide	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Methyl chloride	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Methylene chloride	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1,2,2-tetrachloroethane	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Tetrachloroethylene	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Toluene	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1,1-trichloroethane	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,1,2-trichloroethane	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

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TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Trichloroethylene	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Vinyl chloride	<5.0	ug/L	<5.0	ug/L	3	EPA 624.1	5.0 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Acid-Extractable Compounds							
p-chloro-m-cresol	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-chlorophenol	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dichlorophenol	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dimethylphenol	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4,6-dinitro-o-cresol	<24.9	ug/L	<24.9	ug/L	3	EPA 625.1	24.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dinitrophenol	<39.7	ug/L	<39.7	ug/L	3	EPA 625.1	39.7 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-nitrophenol	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4-nitrophenol	<39.7	ug/L	<39.7	ug/L	3	EPA 625.1	39.7 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Pentachlorophenol	<39.7	ug/L	<39.7	ug/L	3	EPA 625.1	39.7 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Phenol	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4,6-trichlorophenol	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Base-Neutral Compounds							
Acenaphthene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Acenaphthylene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Anthracene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzidine	<29.8	ug/L	<29.8	ug/L	3	EPA 625.1	29.8 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzo(a)anthracene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzo(a)pyrene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
3,4-benzofluoranthene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

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TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Benzo(ghi)perylene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Benzo(k)fluoranthene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-chloroethoxy) methane	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-chloroethyl) ether	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-chloroisopropyl) ether	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Bis (2-ethylhexyl) phthalate	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4-bromophenyl phenyl ether	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Butyl benzyl phthalate	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2-chloronaphthalene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
4-chlorophenyl phenyl ether	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Chrysene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
di-n-butyl phthalate	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
di-n-octyl phthalate	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Dibenzo(a,h)anthracene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2-dichlorobenzene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,3-dichlorobenzene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,4-dichlorobenzene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
3,3-dichlorobenzidine	<19.8	ug/L	<19.8	ug/L	3	EPA 625.1	19.8 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Diethyl phthalate	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Dimethyl phthalate	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,4-dinitrotoluene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
2,6-dinitrotoluene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

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TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
1,2-diphenylhydrazine	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Fluoranthene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Fluorene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachlorobenzene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachlorobutadiene	<19.8	ug/L	<19.8	ug/L	3	EPA 625.1	19.8 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachlorocyclo-pentadiene	<39.7	ug/L	<39.7	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Hexachloroethane	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Indeno(1,2,3-cd)pyrene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Isophorone	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Naphthalene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Nitrobenzene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input checked="" type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
N-nitrosodi-n-propylamine	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input checked="" type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
N-nitrosodimethylamine	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
N-nitrosodiphenylamine	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Phenanthrene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
Pyrene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL
1,2,4-trichlorobenzene	<9.9	ug/L	<9.9	ug/L	3	EPA 625.1	9.9 <input type="checkbox"/> ML <input checked="" type="checkbox"/> MDL

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR Chapter I, Subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE D. ADDITIONAL POLLUTANTS AS REQUIRED BY NPDES PERMITTING AUTHORITY

Pollutant (list)	Maximum Daily Discharge		Average Daily Discharge			Analytical Method ¹	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
<input checked="" type="checkbox"/> No additional sampling is required by NPDES permitting authority.							
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE E. EFFLUENT MONITORING FOR WHOLE EFFLUENT TOXICITY			
The table provides response space for one whole effluent toxicity sample. Copy the table to report additional test results.			
Test Information			
	Test Number <u>1</u>	Test Number <u>2</u>	Test Number <u>3</u>
Test species	Ceriodaphnia Dubia	Ceriodaphnia Dubia	Ceriodaphnia Dubia
Age at initiation of test	<24 hr	<24 hr	<24 hr
Outfall number	1	1	1
Date sample collected	10/15/2018	10/07/2019	10/26/2020
Date test started	10/16/2018	10/08/2019	10/27/2020
Duration	24 hr	24 hr	24 hr
Toxicity Test Methods			
Test method number	EPA 1002.0	EPA 1002.0	EPA 1002.0
Manual title			
Edition number and year of publication			
Page number(s)			
Sample Type			
Check one:	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> 24-hour composite	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> 24-hour composite	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> 24-hour composite
Sample Location			
Check one:	<input type="checkbox"/> Before Disinfection <input type="checkbox"/> After Disinfection <input checked="" type="checkbox"/> After Dechlorination	<input type="checkbox"/> Before Disinfection <input type="checkbox"/> After Disinfection <input checked="" type="checkbox"/> After Dechlorination	<input type="checkbox"/> Before disinfection <input type="checkbox"/> After disinfection <input checked="" type="checkbox"/> After dechlorination
Point in Treatment Process			
Describe the point in the treatment process at which the sample was collected for each test.	Effluent	Effluent	Effluent
Toxicity Type			
Indicate for each test whether the test was performed to assess acute or chronic toxicity, or both. (Check one response.)	<input type="checkbox"/> Acute <input checked="" type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input checked="" type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input checked="" type="checkbox"/> Chronic <input type="checkbox"/> Both

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TABLE E. EFFLUENT MONITORING FOR WHOLE EFFLUENT TOXICITY						
The table provides response space for one whole effluent toxicity sample. Copy the table to report additional test results.						
	Test Number <u>1</u>		Test Number <u>2</u>		Test Number <u>3</u>	
Test Type						
Indicate the type of test performed. (Check one response.)	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input checked="" type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through
Source of Dilution Water						
Indicate the source of dilution water. (Check one response.)	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input checked="" type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water
If laboratory water, specify type.	MHWR		MHWR		MHWR	
If receiving water, specify source.						
Type of Dilution Water						
Indicate the type of dilution water. If salt water, specify "natural" or type of artificial sea salts or brine used.	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input checked="" type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)
Percentage Effluent Used						
Specify the percentage effluent used for all concentrations in the test series.	100%		100%		100%	
Parameters Tested						
Check the parameters tested.	<input type="checkbox"/> pH <input type="checkbox"/> Salinity <input checked="" type="checkbox"/> Temperature	<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen	<input type="checkbox"/> pH <input type="checkbox"/> Salinity <input checked="" type="checkbox"/> Temperature	<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen	<input type="checkbox"/> pH <input type="checkbox"/> Salinity <input checked="" type="checkbox"/> Temperature	<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen
Acute Test Results						
Percent survival in 100% effluent	100 %		100 %		100 %	
LC ₅₀						
95% confidence interval	%		%		%	
Control percent survival	100 %		100 %		100 %	

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Form Approved 03/05/19
OMB No. 2040-0004

TABLE E. EFFLUENT MONITORING FOR WHOLE EFFLUENT TOXICITY						
The table provides response space for one whole effluent toxicity sample. Copy the table to report additional test results.						
	Test Number <u>1</u>		Test Number <u>2</u>		Test Number <u>3</u>	
Acute Test Results Continued						
Other (describe)						
Chronic Test Results						
NOEC		%		%		%
IC25		%		%		%
Control percent survival		%		%		%
Other (describe)	Pass (Screening 100%)		Pass (Screening 100%)		Pass (Screening 100%)	
Quality Control/Quality Assurance						
Is reference toxicant data available?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Was reference toxicant test within acceptable bounds?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
What date was reference toxicant test run (MM/DD/YYYY)?						
Other (describe)	NaCL as toxicant		NaCL as toxicant		NaCL as toxicant	

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EPA Identification Number

NPDES Permit Number
AL0049867Facility Name
Harry Still Sr. WWTPForm Approved 03/05/19
OMB No. 2040-0004**TABLE F. INDUSTRIAL DISCHARGE INFORMATION**

Response space is provided for three SIUs. Copy the table to report information for additional SIUs.

	SIU <u>1</u>	SIU <u>2</u>	SIU <u>3</u>
Name of SIU	PLASMINE TECHNOLOGY, INC	DEN TAL EZ, INC	BALDWIN POLE AND PILING CO, INC
Mailing address (street or P.O. box)	251 NEWPORT PARKWAY	2500 HIGHWAY 31 SOUTH	1101 HW 31 NORTH
City, state, and ZIP code	BAY MINETTE, AL 36507	BAY MINETTE, AL 36507	BAY MINETTE, AL 36507
Description of all industrial processes that affect or contribute to the discharge.	PROCESS WASTE WATERS RESULTING FROM THE MANUFACTURING OF TALL OIL ROIN OR GUM BASED ROSIN	PROCESS WASTE WATERS FROM MACHINING, PAINTING, AND ASSEMBLING COMPONENTS OF DENTAL EQUIPMENT	PROCEDSS WASTEWATER FROM WOOD PRESERVING OPERATIONS AND GROUNDWATER FROM REMEDIATION ACTIVITIES
List the principal products and raw materials that affect or contribute to the SIU's discharge.	PLH-WRG PLH-80MB/PLH-80 PLASMINE 70 AQUATAC E-5375 NEUROZ CF40 - A50 - ES7	METAL FINISHING	
Indicate the average daily volume of wastewater discharged by the SIU.	2300 gpd	5000 gpd	15,100 gpd
How much of the average daily volume is attributable to process flow?	500 gpd	5000 gpd	1,500 gpd
How much of the average daily volume is attributable to non-process flow?	1800 gpd	0 gpd	14,000 gpd
Is the SIU subject to local limits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the SIU subject to categorical standards?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

EPA Identification Number

NPDES Permit Number

Facility Name

Form Approved 03/05/19
OMB No. 2040-0004

AL0049867

Harry Still Sr. WWTP

TABLE F. INDUSTRIAL DISCHARGE INFORMATION

Response space is provided for three SIUs. Copy the table to report information for additional SIUs.

	SIU <u>1</u>	SIU <u>2</u>	SIU <u>3</u>
Under what categories and subcategories is the SIU subject?	NOT APPLICABLE	METAL FINISHING	WOOD PRESERVING
Has the POTW experienced problems (e.g., upsets, pass-through interferences) in the past 4.5 years that are attributable to the SIU?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, describe.			

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM)
NPDES INDIVIDUAL PERMIT APPLICATION
SUPPLEMENTARY INFORMATION FOR PUBLICLY-OWNED TREATMENT WORKS (POTW), OTHER TREATMENT WORKS TREATING DOMESTIC SEWAGE (TWTDS), AND PUBLIC WATER SUPPLY TREATMENT PLANTS

Instructions: This form should be used to submit the required supplementary information for an application for an NPDES individual permit for Publicly Owned Treatment Works (POTW) and other Treatment Works Treating Domestic Sewage (TWTDS). The completed application should be submitted to ADEM in duplicate. If insufficient space is available to address any item, please continue on an attached sheet of paper. Please mark "N/A" in the appropriate box when an item is not applicable to the applicant. **Please type or print legibly in blue or black ink.** Mail the completed application to:

ADEM-Water Division
Municipal Section
P O Box 301463
Montgomery, AL 36130-1463

RECEIVED
SEP 23 2021

MUNICIPAL SECTION

PURPOSE OF THIS APPLICATION

- | | |
|--|---|
| <input type="checkbox"/> Initial Permit Application for New Facility*
<input type="checkbox"/> Modification of Existing Permit
<input type="checkbox"/> Revocation & Reissuance of Existing Permit | <input type="checkbox"/> Initial Permit Application for Existing Facility*
<input checked="" type="checkbox"/> Reissuance of Existing Permit
<i>* An application for participation in the ADEM's Electronic Environmental (E2) Reporting must be submitted to allow permittee to electronically submit reports as required.</i> |
|--|---|

SECTION A – GENERAL INFORMATION

1. Facility Name: Harry Still Sr. WWTP Facility County: Baldwin

a. Operator Name: North Baldwin Utilities

b. Is the operator identified in A.1.a, the owner of the facility? Yes No

If No, provide the following information:

Operator Name: _____

Operator Address (Street or PO Box): _____

City: _____ Zip: _____

Phone Number: _____ Email Address: _____

Operator Status:

Public-federal Public-state Public-other (please specify): _____

Private Other (please specify): _____

Describe the operator's scope of responsibility for the facility:

c. Name of Permittee* if different than Operator: _____

**Permittee will be responsible for compliance with the conditions of the permit*

2. NPDES Permit Number: ALAL0049867 (Not applicable if initial permit application)

3. Facility Location (Front Gate): Latitude: 30° 53' 07" N Longitude: 87° 45' 52" W

4. Responsible Official (as described on last page of this application):

Name and Title: Jason M Padgett - General Manager/CEO

Address: 25 Hand Ave

City: Bay Minette State: AL Zip: 36507

Phone Number: 251-580-1626 Email Address: jpadgett@nbumail.com

5. Designated Facility/DMR Contact:

Name: James Dean Title: Wastewater Supervisor
 Phone Number: 251-580-1853 Email Address: JDean@nbumail.com

6. Designated Emergency Contact:

Name: Jeff Donald Title: Chief of Operations
 Phone Number: 251-580-1626 Email Address: jdonald@nbumail.com

7. Please complete this section if the Applicant's business entity is a Proprietorship or Limited Liability Company (LLC) with a responsible official not listed in A.4.

Name: _____ Title: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone Number: _____ Email Address: _____

8. Identify all Administrative Complaints, Notices of Violation, Directives, or Administrative Orders, Consent Decrees, or Litigation concerning water pollution or other permit violations, if any against the Applicant within the State of Alabama in the past five years (attach additional sheets if necessary):

<u>Facility Name</u>	<u>Permit Number</u>	<u>Type of Action</u>	<u>Date of Action</u>
<u>Harry Still Sr WWTP</u>	<u>AL0049867</u>	<u>LITIGATION</u>	<u>5-21-20</u>
<u>Westside WWTP</u>	<u>AL0027448</u>	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

SECTION B – WASTEWATER DISCHARGE INFORMATION

- Attach a process flow schematic of the treatment process, including the size of each unit operation and sample collection locations.
- Do you share an outfall with another facility? Yes No (If no, continue to B.3)

For each shared outfall, provide the following:

<u>Applicant's Outfall No.</u>	<u>Name of Other Permittee/Facility</u>	<u>NPDES Permit No.</u>	<u>Where is sample collected by Applicant?</u>
_____	_____	_____	_____
_____	_____	_____	_____

3. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment at this facility?

- | | | | | |
|-----------------|--------------------|---|-----------------------------|------------------------------|
| Current: | Flow Metering | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| | Sampling Equipment | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Planned: | Flow Metering | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| | Sampling Equipment | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |

If so, please attach a schematic diagram of the sewer system indicating the present or future location of this equipment and describe the equipment below:

Automatic Composite Sampler for Influent (parshall flume located prior to fine screen) and Effluent (wier located at end of contact chamber)
 Continous flow monitor for Influent (parshall flume located prior to fine screens) and Effluent (Weir located at end of contact chamber)

4. Are any wastewater collection or treatment modifications or expansions planned during the next three years that could alter wastewater volumes or characteristics (Note: Permit Modification may be required)? Yes No

If Yes, briefly describe these changes and any potential or anticipated effects on the wastewater quality and quantity: (Attach additional sheets if needed.)

SECTION C – WASTE STORAGE AND DISPOSAL INFORMATION

Describe the location of all sites used for the storage of solids or liquids that have any potential for accidental discharge to a water of the state, either directly or indirectly via storm sewer, municipal sewer, municipal wastewater treatment plants, or other collection or distribution systems that are located at or operated by the subject existing or proposed NPDES- permitted facility. Indicate the location of any potential release areas and provide a map or detailed narrative description of the areas of concern as an attachment to this application:

Description of Waste	Description of Storage Location
NA	

*Indicate any wastes disposed at an off-site treatment facility and any wastes that are disposed on-site

SECTION D – INDUSTRIAL INDIRECT DISCHARGE CONTRIBUTORS

1. List the existing and proposed industrial source wastewater contributions to the municipal wastewater treatment system (Attach other sheets if necessary)

Company Name	Description of Industrial Wastewater	Existing or Proposed	Flow (MGD)	Subject to SID Permit?
Dental EZ		Existing	0.00495	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Baldwin Pole and Pile		Existing	0.00911	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Plasmine Technologies		Existing	0.012	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
				<input type="checkbox"/> Yes <input type="checkbox"/> No
				<input type="checkbox"/> Yes <input type="checkbox"/> No
				<input type="checkbox"/> Yes <input type="checkbox"/> No
				<input type="checkbox"/> Yes <input type="checkbox"/> No
				<input type="checkbox"/> Yes <input type="checkbox"/> No

2. Are industrial wastewater contributions regulated via a locally approved sewer use ordinance? Yes No

If yes, please attach a copy of the ordinance.

SECTION E – COASTAL ZONE INFORMATION

Is the discharge(s) located within the 10-foot elevation contour and within the limits of Mobile or Baldwin County? Yes No
 If yes, complete items E.1 – E.12 below:

- | | <u>Yes</u> | <u>No</u> |
|---|--------------------------|--------------------------|
| 1. Does the project require new construction?..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Will the project be a source of new air emissions? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Does the project involve dredging and/or filling of a wetland area or water way?..... | <input type="checkbox"/> | <input type="checkbox"/> |
| If Yes, has the Corps of Engineers (COE) permit been received?..... | <input type="checkbox"/> | <input type="checkbox"/> |
| COE Project No. _____ | | |
| 4. Does the project involve wetlands and/or submersed grassbeds? | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Are oyster reefs located near the project site? | <input type="checkbox"/> | <input type="checkbox"/> |
| If Yes, include a map showing project and discharge location with respect to oyster reefs | | |
| 6. Does the project involve the site development, construction and operation of an energy facility as defined in ADEM Admin. Code r. 335-8-1-.02(bb)?..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Does the project involve mitigation of shoreline or coastal area erosion? | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Does the project involve construction on beaches or dune areas?..... | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Will the project interfere with public access to coastal waters? | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Does the project lie within the 100-year floodplain? | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Does the project involve the registration, sale, use, or application of pesticides? | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Does the project propose or require construction of a new well or to alter an existing groundwater well to pump more than 50 gallons per day (GPD)? | <input type="checkbox"/> | <input type="checkbox"/> |
| If yes, has the applicable permit for groundwater recovery or for groundwater well installation been obtained?..... | <input type="checkbox"/> | <input type="checkbox"/> |

SECTION F – ANTI-DEGRADATION EVALUATION

In accordance with 40 CFR §131.12 and the ADEM Admin. Code r. 335-6-10-.04 for anti-degradation, the following information must be provided, if applicable. It is the applicant’s responsibility to demonstrate the social and economic importance of the proposed activity. If further information is required to make this demonstration, attach additional sheets to the application.

- Is this a new or increased discharge that began after April 3, 1991? Yes No
 If yes, complete F.2 below. If no, go to Section G.
- Has an Anti-Degradation Analysis been previously conducted and submitted to the Department for the new or increased discharge referenced in F.1? Yes No

If yes, do not complete this section.

If no and the discharge is to a Tier II waterbody as defined in ADEM Admin. Code r. 335-6-10-.12(4), complete F.2.A – F.2.F below, ADEM Form 311-Alternatives Analysis, and either ADEM Form 312 or ADEM Form 313- Calculation of Total Annualized Project Costs (Public-Sector or Private-Sector Projects, whichever is applicable). ADEM Form 312 or ADEM Form 313, whichever is applicable, must be provided for each treatment discharge alternative considered technically viable. ADEM forms can be found on the Department’s website at <http://adem.alabama.gov/DeptForms/>.

Information required for new or increased discharges to high quality waters:

A. What environmental or public health problem will the discharger be correcting?

B. How much will the discharger be increasing employment (at its existing facility or as the result of locating a new facility)?

C. How much reduction in employment will the discharger be avoiding?

D. How much additional state or local taxes will the discharger be paying?

E. What public service to the community will the discharger be providing?

F. What economic or social benefit will the discharger be providing to the community?

SECTION G – EPA Application Forms

All Applicants must submit certain EPA permit application forms. More than one application form may be required from a POTW or other TWTDS depending on the number and types of discharges or outfalls. The EPA application forms are found on the Department's website at <http://adem.alabama.gov/programs/water/waterforms.cnt>. The EPA application forms must be submitted in duplicate as follows:

1. Applicants for new or existing discharges of sanitary wastewater from Publicly-Owned Treatment Works (POTW) and Other Treatment Works Treating Domestic Sewage (TWTDS) must submit Form 2A. If the facility design capacity is equal to or greater than 1 MGD, Form 2F is also required.
2. Applicants for new or existing land application of sanitary wastewater must submit Form 2A and Form 2F.
3. Applicants for new and existing discharges of process wastewater from water treatment facilities (i.e. public water supply treatment plants) must submit Form 1 and Form 2C.
4. Applicants that generate sewage sludge, derive a material from sewage sludge, or dispose of sewage sludge must submit Part 2 of Form 2S.

SECTION H – ENGINEERING REPORT/BMP PLAN REQUIREMENTS

See ADEM 335-6-6-.08(i) & (j).

SECTION I – RECEIVING WATERS

Outfall No.	Receiving Water(s)	303(d) Segment?	Included in TMDL?*
1	Hollingers Creek	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

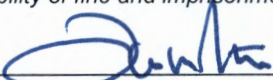
*If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation:

- (1) Justification for the requested Compliance Schedule (e.g. time for design and installation of control equipment, etc.);
- (2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, MDL/ML, etc. should be submitted as available);
- (3) Requested interim limitations, if applicable;
- (4) Date of final compliance with the TMDL limitations; and,
- (5) Any other additional information available to support requested compliance schedule.

SECTION J – APPLICATION CERTIFICATION

The information contained in this form must be certified by a responsible official as defined in ADEM Administrative Code r. 335-6-6-.09 "signatories to permit applications and reports" (see below).

"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 that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Signature of Responsible Official:  Date Signed: 9-17-2021

Name: Jason M Padgett Title: General Manager/CEO

If the Responsible Official signing this application is not identified in Section A.4 or A.7, provide the following information:

Mailing Address: 25 Hand Ave

City: Bay Minette State: AL Zip: 36507

Phone Number: 251-580-1626 Email Address: JPadgett@nbumail.com

335-6-6-.09 SIGNATORIES TO PERMIT APPLICATIONS AND REPORTS.

- (1) The application for an NPDES permit shall be signed by a responsible official, as indicated below:
 - (a) In the case of a corporation, by a principal executive officer of at least the level of vice president, or a manager assigned or delegated in accordance with corporate procedures, with such delegation submitted in writing if required by the Department, who is responsible for manufacturing, production, or operating facilities and is authorized to make management decisions which govern the operation of the regulated facility;
 - (b) In the case of a partnership, by a general partner;
 - (c) In the case of a sole proprietorship, by the proprietor; or
 - (d) In the case of a municipal, state, federal, or other public entity, by either a principal executive officer, or ranking elected official.

FIGURE 1



Discharge Point
Latitude: 30° 53' 12" N
Longitude: 87° 45' 49" W

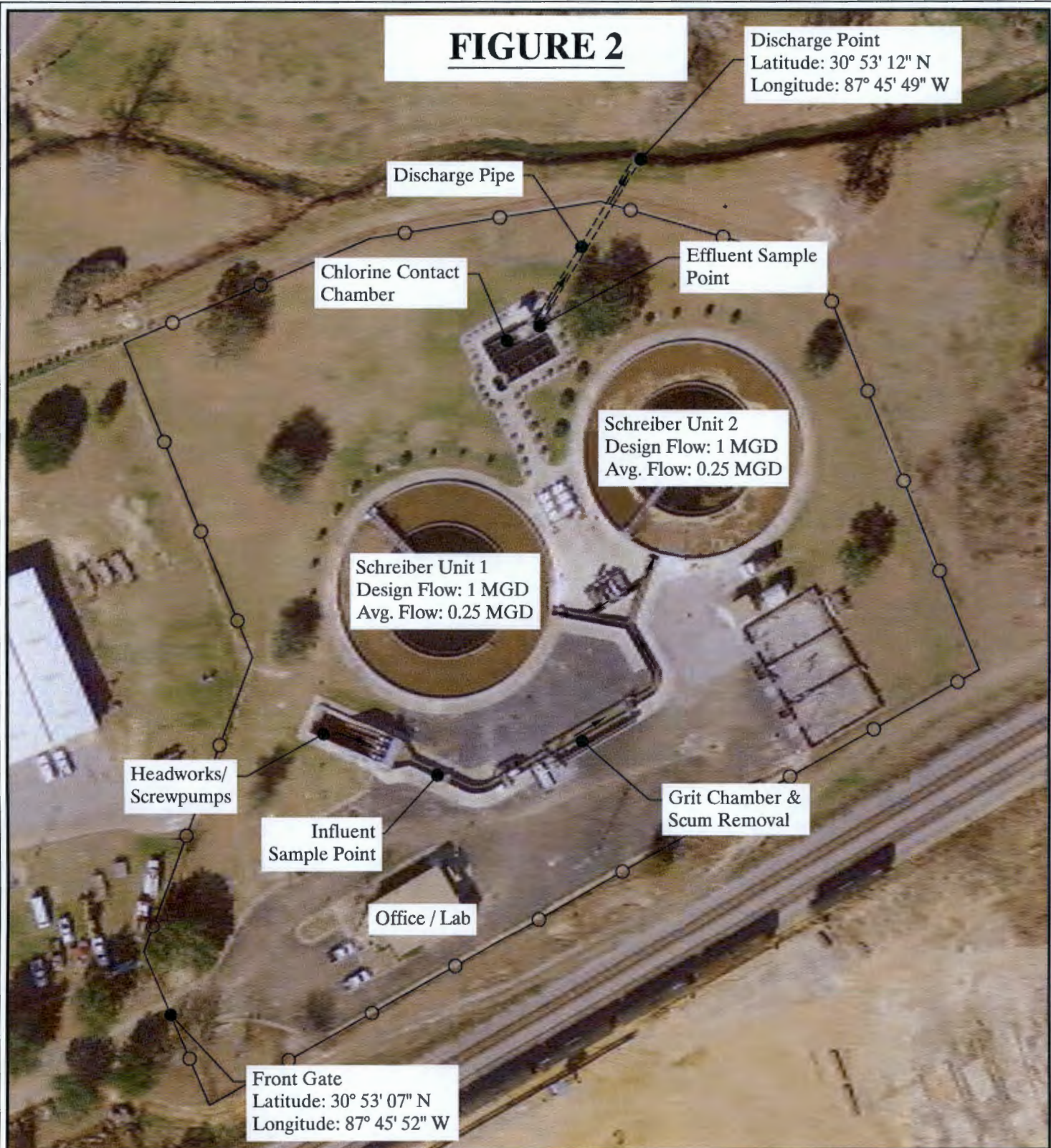
Front Gate
Latitude: 30° 53' 07" N
Longitude: 87° 45' 52" W

SCALE : 1" = 600'



PROJECT NO.	HARRY STILL SR. WWTP LOCATION MAP		15 Hand Ave., Suite 158 Bay Minette, AL 36507 phone: (251)-331-1711
	NORTH BALDWIN UTILITIES 25 HAND AVE, BAY MINETTE, AL 36507		

FIGURE 2



SCALE : 1" = 80'



HARRY STILL SR. WWT
PROCESS SCHEMATIC

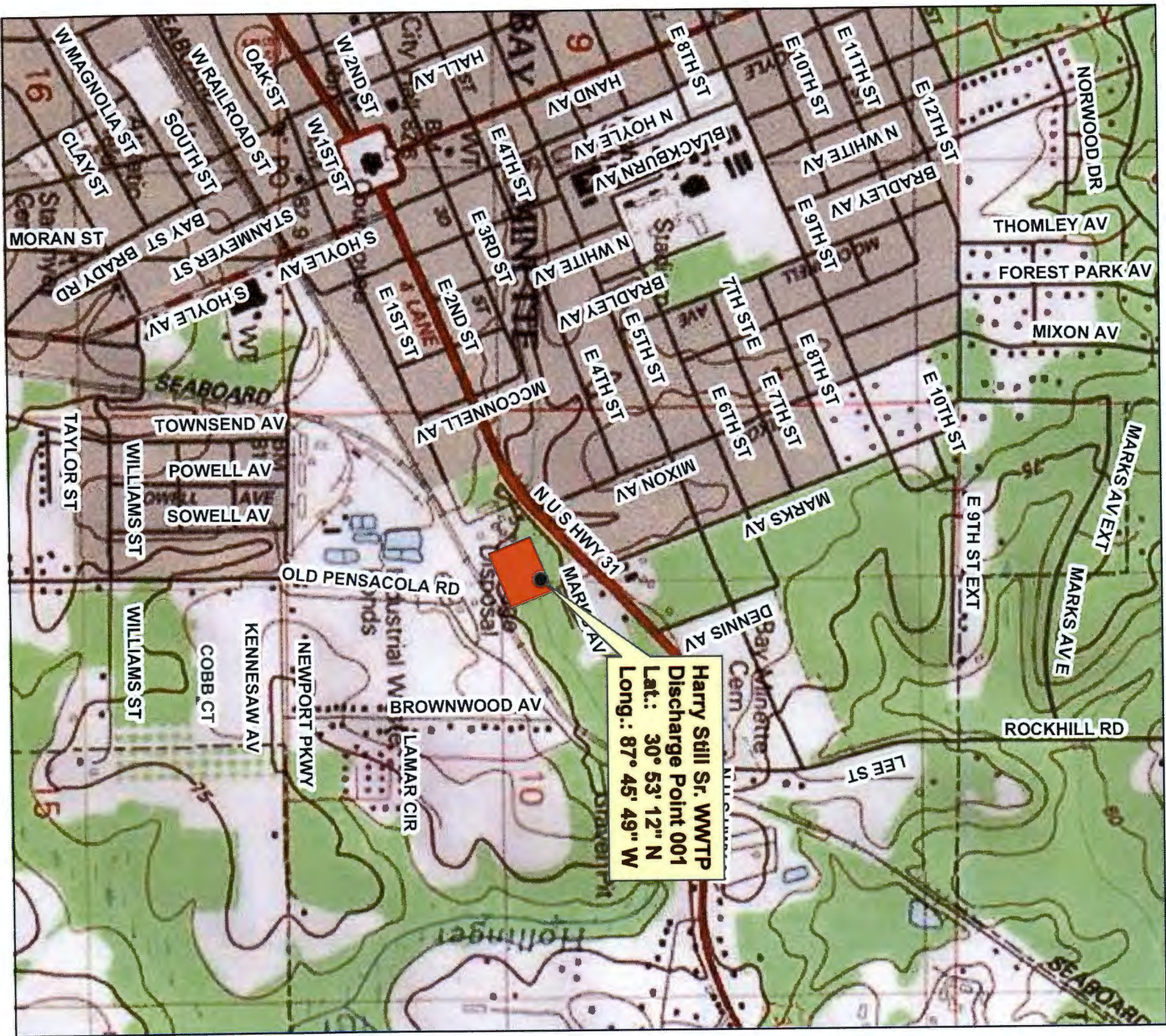
NORTH BALDWIN UTILITIES
25 HAND AVE, BAY MINETTE, AL 36507



TENSAW
ENGINEERS

15 Hand Ave., Suite 158
Bay Minette, AL 36507
phone: (251)-331-1711

Harry Still Sr. WWTP Location Map





NORTH BALDWIN UTILITIES

25 Hand Ave | Bay Minette, AL 36507
251.937.0345 fax | 251.580.1626 phone
www.northbaldwinutilities.com

PROVIDING QUALITY SERVICES SINCE 1945 - NATURAL GAS • WATER • WASTEWATER

July 2, 2021

Alabama Department of Environmental Management
Water Division – Municipal Permit Section
P.O. Box 301463
Montgomery, AL 36130-1463

Attn. Ms. Stephanie Ammons

Re: *Harry Still Sr. WWTP AL0049867*

Dear Ms. Ammons:

In an effort to eliminate discharge of any non-point source pollutants such as equipment leakage, chemical spills, etc., all stormwater that falls within active area of the Harry Still Sr. WWTP is collected via curb and gutters, yard inlets, and underground storm sewers which is routed back through the plant prior to discharge. In addition, all equipment, lime, and other misc. items are stored within a covered building which utilizes a floor drain system discharging to the headworks of the plant.

Should you have any questions or require additional information please do not hesitate to call.

Sincerely,

NORTH BALDWIN UTILITIES

Jason M. Padgett
General Manager / CEO

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JUL 07 2021

MUNICIPAL SECTION

EPA Identification Number	NPDES Permit Number AL0049867	Facility Name HARRY STILL SR. WWTP	Form Approved 03/05/19 OMB No. 2040-0004
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Form 2S NPDES		U.S Environmental Protection Agency Application for NPDES Permit for Sewage Sludge Management NEW AND EXISTING TREATMENT WORKS TREATING DOMESTIC SEWAGE
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PRELIMINARY INFORMATION

Does your facility currently have an effective NPDES permit or have you been directed by your NPDES permitting authority to submit a full Form 2S permit application?
 Yes → Complete Part 2 of application package (begins p. 7). No → Complete Part 1 of application package (below).

PART 1 LIMITED BACKGROUND INFORMATION (40 CFR 122.21(c)(2)(II))

Complete this part only if you are a "sludge-only" facility (i.e., a facility that does not currently have, and is not applying for, an NPDES permit for a direct discharge to a surface body of water).

PART 1, SECTION 1. FACILITY INFORMATION (40 CFR 122.21(c)(2)(ii)(A))

Facility Information	1.1	Facility name				
		Mailing address (street or P.O. box)				
		City or town		State	ZIP code	
		Contact name (first and last)	Title	Phone number	Email address	
		Location address (street, route number, or other specific identifier)				<input type="checkbox"/> Same as mailing address
		City or town		State	ZIP code	
	1.2	Ownership Status				
<input type="checkbox"/> Public—federal <input type="checkbox"/> Public—state <input type="checkbox"/> Other public (specify) _____ <input type="checkbox"/> Private <input type="checkbox"/> Other (specify) _____						

PART 1, SECTION 2. APPLICANT INFORMATION (40 CFR 122.21(c)(2)(ii)(B))

Applicant Information	2.1	Is applicant different from entity listed under Item 1.1 above? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.3 (Part 1, Section 2).			
	2.2	Applicant name			
		Applicant address (street or P.O. box)			
		City or town		State	ZIP code
		Contact name (first and last)	Title	Phone number	Email address
2.3	Is the applicant the facility's owner, operator, or both? (Check only one response.) <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Both				
2.4	To which entity should the NPDES permitting authority send correspondence? (Check only one response.) <input type="checkbox"/> Facility <input type="checkbox"/> Applicant <input type="checkbox"/> Facility and applicant (they are one and the same)				

PART 1, SECTION 3. SEWAGE SLUDGE AMOUNT (40 CFR 122.21(c)(2)(ii)(D))

Sewage Sludge Amount	3.1	Provide the total dry metric tons per the latest 365-day period of sewage sludge generated, treated, used, and disposed of:		
		Practice		Dry Metric Tons per 365-Day Period
		Amount generated at the facility		
		Amount treated at the facility		
		Amount used (i.e., received from off site) at the facility		
	Amount disposed of at the facility			

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EPA Identification Number

NPDES Permit Number

Facility Name

Form Approved 03/05/19
OMB No. 2040-0004

PART 1, SECTION 4. POLLUTANT CONCENTRATIONS (40 CFR 122.21(c)(2)(ii)(E))

4.1

Using the table below or a separate attachment, provide existing sewage sludge monitoring data for the pollutants for which limits in sewage sludge have been established in 40 CFR 503 for your facility's expected use or disposal practices. If available, base data on three or more samples taken at least one month apart and no more than 4.5 years old.

Check here if you have provided a separate attachment with this information.

Pollutant Concentrations

Pollutant	Concentration (mg/kg dry weight)	Analytical Method	Detection Level for Analysis
Arsenic			
Cadmium			
Chromium			
Copper			
Lead			
Mercury			
Molybdenum			
Nickel			
Selenium			
Zinc			
Other (specify)			
Other (specify)			
Other (specify)			
Other (specify)			
Other (specify)			
Other (specify)			
Other (specify)			
Other (specify)			
Other (specify)			
Other (specify)			
Other (specify)			

EPA Identification Number	NPDES Permit Number	Facility Name
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Form Approved 03/05/19
OMB No. 2040-0004

PART 1, SECTION 7. USE AND DISPOSAL SITES (40 CFR 122.21(c)(2)(ii)(C))

Use and Disposal Sites	Provide the following information for each site on which sewage sludge from this facility is used or disposed of.				
	<input type="checkbox"/> Check here if you have provided separate attachments with this information.				
	7.1	Site name or number			
		Mailing address (street or P.O. box)			
		City or town	State	ZIP code	
		Contact name (first and last)	Title	Phone number	Email address
		Location address (street, route number, or other specific identifier)			<input type="checkbox"/> Same as mailing address
		City or town	State	ZIP code	
County		County code	<input type="checkbox"/> Not available		
7.2	Site type (check all that apply)				
	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Lawn or home garden	<input type="checkbox"/> Forest		
	<input type="checkbox"/> Surface disposal	<input type="checkbox"/> Public contact	<input type="checkbox"/> Incineration		
	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Municipal solid waste landfill	<input type="checkbox"/> Other (describe)		

PART 1, SECTION 8. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement	8.1	In Column 1 below, mark the sections of Form 2S, Part 1, that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments.	
		Column 1	Column 2
		<input type="checkbox"/> Section 1: Facility Information	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 2: Applicant Information	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 3: Sewage Sludge Amount	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 4: Pollutant Concentrations	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 5: Treatment Provided at Your Facility	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 6: Sewage Sludge Sent to Other Facilities	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 7: Use and Disposal Sites	<input type="checkbox"/> w/ attachments
	<input type="checkbox"/> Section 8: Checklist and Certification Statement		

EPA Identification Number	NPDES Permit Number	Facility Name
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Checklist and Certification Statement Continued	8.2	Certification Statement		
		<p><i>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 that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i></p>		
		Name (print or type first and last name)	Official title	Phone number
		Signature		Date signed

PART 1 APPLICANTS STOP HERE.

Submit completed application package to your NPDES permitting authority.

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PART 2 PERMIT APPLICATION INFORMATION (40 CFR 122.21(q))

Complete this part if you have an effective NPDES permit or have been directed by the NPDES permitting authority to submit a full permit application. In other words, complete this part if your facility has, or is applying for, an NPDES permit. Part 2 is divided into five sections. Section 1 pertains to all applicants. The applicability of Sections 2 to 5 depends on your facility's sewage sludge use or disposal practices. See the instructions to determine which sections you are required to complete.

PART 2, SECTION 1. GENERAL INFORMATION (40 CFR 122.21(q)(1-7) AND (q)(13))

General Information	All Part 2 applicants must complete this section.			
	Facility Information			
	1.1	Facility name HARRY STILL SR. WWTP		
		Mailing address (street or P.O. box) 25 HAND AVENUE		
		City or town BAY MINETTE	State AL	ZIP code 36507 Phone number 251-580-1626
		Contact name (first and last) JASON PADGETT	Title GENERAL MANAGER / CEO	Email address jpadgett@nbumail.com
		Location address (street, route number, or other specific identifier)		<input checked="" type="checkbox"/> Same as mailing address
		City or town	State	ZIP code
	1.2	Is this facility a Class I sludge management facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
	1.3	Facility Design Flow Rate	2.0	million gallons per day (mgd)
	1.4	Total Population Served	8,500	
	1.5	Ownership Status		
		<input type="checkbox"/> Public—federal	<input type="checkbox"/> Public—state	<input checked="" type="checkbox"/> Other public (specify) MUNICIPAL
		<input type="checkbox"/> Private	<input type="checkbox"/> Other (specify) _____	
	Applicant Information			
1.6	Is applicant different from entity listed under Item 1.1 above? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.8 (Part 2, Section 1).			
1.7	Applicant name			
	Applicant mailing address (street or P.O. box)			
	City or town	State	ZIP code	
	Contact name (first and last)	Title	Phone number Email address	
1.8	Is the applicant the facility's owner, operator, or both? (Check only one response.) <input type="checkbox"/> Operator <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Both			
1.9	To which entity should the NPDES permitting authority send correspondence? (Check only one response.) <input type="checkbox"/> Facility <input type="checkbox"/> Applicant <input checked="" type="checkbox"/> Facility and applicant (they are one and the same)			

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1.10 Facility's NPDES permit number
 Check here if you do not have an NPDES permit but are otherwise required to submit Part 2 of Form 2S. AL0049867

1.11 Indicate all other federal, state, and local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices below. NA

RCRA (hazardous wastes) Nonattainment program (CAA) NESHAPs (CAA)

PSD (air emissions) Dredge or fill (CWA Section 404) Other (specify)

Ocean dumping (MPRSA) UIC (underground injection of fluids)

Indian Country

1.12 Does any generation, treatment, storage, application to land, or disposal of sewage sludge from this facility occur in Indian Country?

 Yes No

No → SKIP to Item 1.14 (Part 2, Section 1) below.

1.13 Provide a description of the generation, treatment, storage, land application, or disposal of sewage sludge that occurs.

Topographic Map

1.14 Have you attached a topographic map containing all required information to this application? (See instructions for specific requirements.)

 Yes No**Line Drawing**

1.15 Have you attached a line drawing and/or a narrative description that identifies all sewage sludge practices that will be employed during the term of the permit containing all the required information to this application? (See instructions for specific requirements.)

 Yes No**Contractor Information**

1.16 Do contractors have any operational or maintenance responsibilities related to sewage sludge generation, treatment, use, or disposal at the facility?

 Yes No

No → SKIP to Item 1.18 (Part 2, Section 1) below.

1.17 Provide the following information for each contractor.

Check here if you have attached additional sheets to the application package.

	Contractor 1	Contractor 2	Contractor 3
Contractor company name			
Mailing address (street or P.O. box)			
City, state, and ZIP code			
Contact name (first and last)			
Telephone number			
Email address			

1.17 cont.		Contractor 1	Contractor 2	Contractor 3
	Responsibilities of contractor			

Pollutant Concentrations

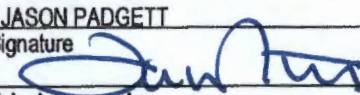
Using the table below or a separate attachment, provide sewage sludge monitoring data for the pollutants for which limits in sewage sludge have been established in 40 CFR 503 for this facility's expected use or disposal practices. All data must be based on three or more samples taken at least one month apart and must be no more than 4.5 years old.

Check here if you have attached additional sheets to the application package.

1.18	Pollutant	Average Monthly Concentration (mg/kg dry weight)	Analytical Method	Detection Level
	Arsenic	NA		
	Cadmium	NA		
	Chromium	NA		
	Copper	NA		
	Lead	NA		
	Mercury	NA		
	Molybdenum	NA		
	Nickel	NA		
	Selenium	NA		
	Zinc	NA		

Checklist and Certification Statement

1.19	In Column 1 below, mark the sections of Form 2S, Part 2, that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing. Note that not all applicants are required to complete all sections or provide attachments. See Exhibit 2S-2 in the Instructions.	
	Column 1	Column 2
	<input checked="" type="checkbox"/> Section 1 (General Information)	<input type="checkbox"/> w/ attachments
	<input type="checkbox"/> Section 2 (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)	<input type="checkbox"/> w/ attachments
	<input type="checkbox"/> Section 3 (Land Application of Bulk Sewage Sludge)	<input type="checkbox"/> w/ attachments
	<input type="checkbox"/> Section 4 (Surface Disposal)	<input type="checkbox"/> w/ attachments
	<input type="checkbox"/> Section 5 (Incineration)	<input type="checkbox"/> w/ attachments

1.20	Certification Statement	
	<p><i>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 that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i></p>	
	Name (print or type first and last name) JASON PADGETT	Official title GENERAL MANAGER / CEO
	Signature 	Date signed 9-17-2021
	Telephone number 251-580-1626	

Upon the request of the NPDES permitting authority, you must submit any other information the authority deems necessary to assess sewage sludge use or disposal practices at your facility and identify appropriate permitting requirements.

General Information - Continued

PART 2, SECTION 2. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE (40 CFR 122.21(q)(8) THROUGH (12))

Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge	2.1	Does your facility generate sewage sludge or derive a material from sewage sludge? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Part 2, Section 3.		
	Amount Generated Onsite			
	2.2	Total dry metric tons per 365-day period generated at your facility:		33
	Amount Received from Off Site Facility			
	2.3	Does your facility receive sewage sludge from another facility for treatment use or disposal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 2.7 (Part 2, Section 2) below.		
	2.4	Indicate the total number of facilities from which you receive sewage sludge for treatment, use, or disposal:		
	Provide the following information for each of the facilities from which you receive sewage sludge. <input type="checkbox"/> Check here if you have attached additional sheets to the application package.			
	2.5	Name of facility		
	Mailing address (street or P.O. box)			
	City or town		State	ZIP code
Contact name (first and last)		Title	Phone number	
Email address		Location address (street, route number, or other specific identifier) <input type="checkbox"/> Same as mailing address		
City or town		State	ZIP code	
County		County code	<input type="checkbox"/> Not available	
2.6	Indicate the amount of sewage sludge received, the applicable pathogen class and reduction alternative, and the applicable vector reduction option provided at the offsite facility.			
		Amount (dry metric tons)	Pathogen Class and Reduction Alternative	Vector Attraction Reduction Option
			<input type="checkbox"/> Not applicable <input type="checkbox"/> Class A, Alternative 1 <input type="checkbox"/> Class A, Alternative 2 <input type="checkbox"/> Class A, Alternative 3 <input type="checkbox"/> Class A, Alternative 4 <input type="checkbox"/> Class A, Alternative 5 <input type="checkbox"/> Class A, Alternative 6 <input type="checkbox"/> Class B, Alternative 1 <input type="checkbox"/> Class B, Alternative 2 <input type="checkbox"/> Class B, Alternative 3 <input type="checkbox"/> Class B, Alternative 4 <input type="checkbox"/> Domestic septage, pH adjustment	<input type="checkbox"/> Not applicable <input type="checkbox"/> Option 1 <input type="checkbox"/> Option 2 <input type="checkbox"/> Option 3 <input type="checkbox"/> Option 4 <input type="checkbox"/> Option 5 <input type="checkbox"/> Option 6 <input type="checkbox"/> Option 7 <input type="checkbox"/> Option 8 <input type="checkbox"/> Option 9 <input type="checkbox"/> Option 10 <input type="checkbox"/> Option 11
2.7	Identify the treatment process(es) that are known to occur at the offsite facility, including blending activities and treatment to reduce pathogens or vector attraction properties. (Check all that apply.)			
<input type="checkbox"/> Preliminary operations (e.g., sludge grinding and dewatering)		<input type="checkbox"/> Thickening (concentration)		
<input type="checkbox"/> Stabilization		<input checked="" type="checkbox"/> Anaerobic digestion		
<input type="checkbox"/> Composting		<input type="checkbox"/> Conditioning		
<input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization)		<input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons)		
<input type="checkbox"/> Heat drying		<input type="checkbox"/> Thermal reduction		
<input type="checkbox"/> Methane or biogas capture and recovery		<input type="checkbox"/> Other (specify) _____		

Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	Treatment Provided at Your Facility			
	2.8	For each sewage sludge use or disposal practice, indicate the applicable pathogen class and reduction alternative and the applicable vector attraction reduction option provided at your facility. Attach additional pages, as necessary.		
		Use or Disposal Practice (check one)	Pathogen Class and Reduction Alternative	Vector Attraction Reduction Option
		<input type="checkbox"/> Land application of bulk sewage	<input type="checkbox"/> Not applicable	<input type="checkbox"/> Not applicable
		<input type="checkbox"/> Land application of biosolids (bulk)	<input type="checkbox"/> Class A, Alternative 1	<input type="checkbox"/> Option 1
		<input type="checkbox"/> Land application of biosolids (bags)	<input type="checkbox"/> Class A, Alternative 2	<input type="checkbox"/> Option 2
		<input type="checkbox"/> Surface disposal in a landfill	<input type="checkbox"/> Class A, Alternative 3	<input type="checkbox"/> Option 3
		<input type="checkbox"/> Other surface disposal	<input type="checkbox"/> Class A, Alternative 4	<input type="checkbox"/> Option 4
		<input type="checkbox"/> Incineration	<input type="checkbox"/> Class A, Alternative 5	<input type="checkbox"/> Option 5
			<input type="checkbox"/> Class A, Alternative 6	<input type="checkbox"/> Option 6
		<input type="checkbox"/> Class B, Alternative 1	<input type="checkbox"/> Option 7	
		<input type="checkbox"/> Class B, Alternative 2	<input type="checkbox"/> Option 8	
		<input type="checkbox"/> Class B, Alternative 3	<input type="checkbox"/> Option 9	
		<input type="checkbox"/> Class B, Alternative 4	<input type="checkbox"/> Option 10	
		<input type="checkbox"/> Domestic septage, pH adjustment	<input type="checkbox"/> Option 11	
	2.9 Identify the treatment process(es) used at your facility to reduce pathogens in sewage sludge or reduce the vector attraction properties of sewage sludge? (Check all that apply.)			
	<input type="checkbox"/> Preliminary operations (e.g., sludge grinding and dewatering)	<input type="checkbox"/> Thickening (concentration)		
	<input type="checkbox"/> Stabilization	<input checked="" type="checkbox"/> Anaerobic digestion		
	<input type="checkbox"/> Composting	<input type="checkbox"/> Conditioning		
	<input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization)	<input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons)		
	<input type="checkbox"/> Heat drying	<input type="checkbox"/> Thermal reduction		
	<input type="checkbox"/> Methane or biogas capture and recovery			
	2.10 Describe any other sewage sludge treatment or blending activities not identified in Items 2.8 and 2.9 (Part 2, Section 2) above.			
	<input type="checkbox"/> Check here if you have attached the description to the application package. SEWAGE SLUDGE IS REMOVED FROM WASTE PIT AND TRUCKED TO A LAGOON WHERE IT IS ALLOWED TO CONTINUE DIGESTING.			
Preparation of Sewage Sludge Meeting Ceiling and Pollutant Concentrations, Class A Pathogen Requirements, and One of Vector Attraction Reduction Options 1 to 8				
	2.11 Does the sewage sludge from your facility meet the ceiling concentrations in Table 1 of 40 CFR 503.13, the pollutant concentrations in Table 3 of 40 CFR 503.13, Class A pathogen reduction requirements at 40 CFR 503.32(a), and one of the vector attraction reduction requirements at 40 CFR 503.33(b)(1)-(8) and is it land applied?			
	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No → SKIP to Item 2.14 (Part 2, Section 2) below.		
	2.12 Total dry metric tons per 365-day period of sewage sludge subject to this subsection that is applied to the land:			
	2.13 Is sewage sludge subject to this subsection placed in bags or other containers for sale or give-away for application to the land?			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
	<input type="checkbox"/> Check here once you have completed Items 2.11 to 2.13, then → SKIP to Item 2.32 (Part 2, Section 2) below.			

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Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	Sale or Give-Away in a Bag or Other Container for Application to the Land			
	2.14	Do you place sewage sludge in a bag or other container for sale or give-away for land application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 2.17 (Part 2, Section 2) below.		
	2.15	Total dry metric tons per 365-day period of sewage sludge placed in a bag or other container at your facility for sale or give-away for application to the land:		
	2.16	Attach a copy of all labels or notices that accompany the sewage sludge being sold or given away in a bag or other container for application to the land. <input type="checkbox"/> Check here to indicate that you have attached all labels or notices to this application package.		
	<input type="checkbox"/> Check here once you have completed Items 2.14 to 2.16, then → SKIP to Part 2, Section 2, Item 2.32.			
	Shipment Off Site for Treatment or Blending			
	2.17	Does another facility provide treatment or blending of your facility's sewage sludge? (This question does not pertain to dewatered sludge sent directly to a land application or surface disposal site.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.		
	2.18	Indicate the total number of facilities that provide treatment or blending of your facility's sewage sludge. Provide the information in Items 2.19 to 2.26 (Part 2, Section 2) below for each facility. <input type="checkbox"/> Check here if you have attached additional sheets to the application package.		
	2.19	Name of receiving facility		
		Mailing address (street or P.O. box)		
		City or town	State	ZIP code
		Contact name (first and last)	Title	Phone number
		Location address (street, route number, or other specific identifier)		<input type="checkbox"/> Same as mailing address
		City or town	State	ZIP code
	2.20	Total dry metric tons per 365-day period of sewage sludge provided to receiving facility:		
2.21	Does the receiving facility provide additional treatment to reduce pathogens in sewage sludge from your facility or reduce the vector attraction properties of sewage sludge from your facility? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.24 (Part 2, Section 2) below.			
2.22	Indicate the pathogen class and reduction alternative and the vector attraction reduction option met for the sewage sludge at the receiving facility.			
	Pathogen Class and Reduction Alternative	Vector Attraction Reduction Option		
	<input type="checkbox"/> Not applicable	<input type="checkbox"/> Not applicable		
	<input type="checkbox"/> Class A, Alternative 1	<input type="checkbox"/> Option 1		
	<input type="checkbox"/> Class A, Alternative 2	<input type="checkbox"/> Option 2		
	<input type="checkbox"/> Class A, Alternative 3	<input type="checkbox"/> Option 3		
	<input type="checkbox"/> Class A, Alternative 4	<input type="checkbox"/> Option 4		
	<input type="checkbox"/> Class A, Alternative 5	<input type="checkbox"/> Option 5		
	<input type="checkbox"/> Class A, Alternative 6	<input type="checkbox"/> Option 6		
	<input type="checkbox"/> Class B, Alternative 1	<input type="checkbox"/> Option 7		
	<input type="checkbox"/> Class B, Alternative 2	<input type="checkbox"/> Option 8		
	<input type="checkbox"/> Class B, Alternative 3	<input type="checkbox"/> Option 9		
	<input type="checkbox"/> Class B, Alternative 4	<input type="checkbox"/> Option 10		
	<input type="checkbox"/> Domestic septage, pH adjustment	<input type="checkbox"/> Option 11		

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Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	2.23	Which treatment process(es) are used at the receiving facility to reduce pathogens in sewage sludge or reduce the vector attraction properties of sewage sludge from your facility? (Check all that apply.)	
		<input type="checkbox"/> Preliminary operations (e.g., sludge grinding and degritting)	<input type="checkbox"/> Thickening (concentration)
		<input type="checkbox"/> Stabilization	<input type="checkbox"/> Anaerobic digestion
		<input type="checkbox"/> Composting	<input type="checkbox"/> Conditioning
		<input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization)	<input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons)
		<input type="checkbox"/> Heat drying	<input type="checkbox"/> Thermal reduction
		<input type="checkbox"/> Methane or biogas capture and recovery	<input type="checkbox"/> Other (specify) _____
	2.24	Attach a copy of any information you provide the receiving facility to comply with the "notice and necessary information" requirement of 40 CFR 503.12(g).	
		<input type="checkbox"/> Check here to indicate that you have attached material.	
	2.25	Does the receiving facility place sewage sludge from your facility in a bag or other container for sale or give-away for application to the land?	
	<input type="checkbox"/> Yes	<input type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.	
2.26	Attach a copy of all labels or notices that accompany the product being sold or given away.		
	<input type="checkbox"/> Check here to indicate that you have attached material.		
	<input type="checkbox"/> Check here once you have completed Items 2.17 to 2.26 (Part 2, Section 2), then → SKIP to Item 2.32 (Part 2, Section 2) below.		
Land Application of Bulk Sewage Sludge			
2.27	Is sewage sludge from your facility applied to the land?		
	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.	
2.28	Total dry metric tons per 365-day period of sewage sludge applied to all land application sites:		
2.29	Did you identify all land application sites in Part 2, Section 3 of this application?		
	<input type="checkbox"/> Yes	<input type="checkbox"/> No → Submit a copy of the land application plan with your application.	
2.30	Are any land application sites located in states other than the state where you generate sewage sludge or derive a material from sewage sludge?		
	<input type="checkbox"/> Yes	<input type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.	
2.31	Describe how you notify the NPDES permitting authority for the states where the land application sites are located. Attach a copy of the notification.		
	<input type="checkbox"/> Check here if you have attached the explanation to the application package.		
	<input type="checkbox"/> Check here if you have attached the notification to the application package.		
Surface Disposal			
2.32	Is sewage sludge from your facility placed on a surface disposal site?		
	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No → SKIP to Item 2.39 (Part 2, Section 2) below.	
2.33	Total dry metric tons of sewage sludge from your facility placed on all surface disposal sites per 365-day period:		
2.34	Do you own or operate all surface disposal sites to which you send sewage sludge for disposal?		
	<input type="checkbox"/> Yes → SKIP to Item 2.39 (Part 2, Section 2) below.	<input type="checkbox"/> No	
2.35	Indicate the total number of surface disposal sites to which you send your sewage sludge. (Provide the information in Items 2.36 to 2.38 of Part 2, Section 2, for each facility.)		
	<input type="checkbox"/> Check here if you have attached additional sheets to the application package.		

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Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	2.36	Site name or number of surface disposal site you do not own or operate						
		Mailing address (street or P.O. box)						
		City or Town			State		ZIP Code	
		Contact Name (first and last)		Title		Phone Number		Email Address
	2.37	Site Contact (Check all that apply.)						
		<input type="checkbox"/> Owner			<input type="checkbox"/> Operator			
	2.38	Total dry metric tons of sewage sludge from your facility placed on this surface disposal site per 365-day period:						
	Incineration							
	2.39	Is sewage sludge from your facility fired in a sewage sludge incinerator?						
		<input type="checkbox"/> Yes			<input checked="" type="checkbox"/> No → SKIP to Item 2.46 (Part 2, Section 2) below.			
	2.40	Total dry metric tons of sewage sludge from your facility fired in all sewage sludge incinerators per 365-day period:						
	2.41	Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired?						
		<input type="checkbox"/> Yes → SKIP to Item 2.46 (Part 2, Section 2) below.			<input type="checkbox"/> No			
	2.42	Indicate the total number of sewage sludge incinerators used that you do not own or operate. (Provide the information in Items 2.43 to 2.45 directly below for each facility.)						
		<input type="checkbox"/> Check here if you have attached additional sheets to the application package.						
2.43	Incinerator name or number							
	Mailing address (street or P.O. box)							
	City or town			State		ZIP code		
	Contact name (first and last)		Title		Phone number		Email address	
	Location address (street, route number, or other specific identifier)						<input type="checkbox"/> Same as mailing address	
	City or town			State		ZIP code		
2.44	Contact (check all that apply)							
	<input type="checkbox"/> Incinerator owner			<input type="checkbox"/> Incinerator operator				
2.45	Total dry metric tons of sewage sludge from your facility fired in this sewage sludge incinerator per 365-day period:							
Disposal in a Municipal Solid Waste Landfill								
2.46	Is sewage sludge from your facility placed on a municipal solid waste landfill?							
	<input type="checkbox"/> Yes			<input checked="" type="checkbox"/> No → SKIP to Part 2, Section 3.				
2.47	Indicate the total number of municipal solid waste landfills used. (Provide the information in Items 2.48 to 2.52 directly below for each facility.)							
	<input type="checkbox"/> Check here if you have attached additional sheets to the application package.							

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		AL0049867		HARRY STILL SR. WWTP				
Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	2.48	Name of landfill						
		Mailing address (street or P.O. box)						
		City or town			State		ZIP code	
		Contact name (first and last)		Title	Phone number		Email address	
		Location address (street, route number, or other specific identifier)					<input type="checkbox"/> Same as mailing address	
		County			County code		<input type="checkbox"/> Not available	
		City or town			State		ZIP code	
	2.49	Total dry metric tons of sewage sludge from your facility placed in this municipal solid waste landfill per 365-day period:						
	2.50	List the numbers of all other federal, state, and local permits that regulate the operation of this municipal solid waste landfill.						
		Permit Number		Type of Permit				
2.51	Attach to the application information to determine whether the sewage sludge meets applicable requirements for disposal of sewage sludge in a municipal solid waste landfill (e.g., results of paint filter liquids test and TCLP test). <input type="checkbox"/> Check here to indicate you have attached the requested information.							
2.52	Does the municipal solid waste landfill comply with applicable criteria set forth in 40 CFR 258? <input type="checkbox"/> Yes <input type="checkbox"/> No							

PART 2, SECTION 3 LAND APPLICATION OF BULK SEWAGE SLUDGE (40 CFR 122.21(q)(9))

Land Application of Bulk Sewage Sludge	3.1	Does your facility apply sewage sludge to land? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Part 2, Section 4.		
	3.2	Do any of the following conditions apply? <ul style="list-style-type: none"> • The sewage sludge meets the ceiling concentrations in Table 1 of 40 CFR 503.12, the pollutant concentrations in Table 3 of 40 CFR 503.13, Class A pathogen reduction requirements at 40 CFR 503.32(a), and one of the vector attraction reduction requirements at 40 CFR 503.33(b)(1)–(8); • The sewage sludge is sold or given away in a bag or other container for application to the land; or • You provide the sewage sludge to another facility for treatment or blending. <input type="checkbox"/> Yes → SKIP to Part 2, Section 4. <input type="checkbox"/> No		
	3.3	Complete Section 3 for every site on which the sewage sludge is applied. <input type="checkbox"/> Check here if you have attached sheets to the application package for one or more land application sites.		
	Identification of Land Application Site			
	3.4	Site name or number		
		Location address (street, route number, or other specific identifier)		<input type="checkbox"/> Same as mailing address
		County	County code	<input type="checkbox"/> Not available
		City or town	State	ZIP code
	Latitude/Longitude of Land Application Site (see instructions)			
		Latitude		Longitude
		. ' "		. ' "
	Method of Determination			
		<input type="checkbox"/> USGS map <input type="checkbox"/> Field survey <input type="checkbox"/> Other (specify) _____		
	3.5	Provide a topographic map (or other appropriate map if a topographic map is unavailable) that shows the site location. <input type="checkbox"/> Check here to indicate you have attached a topographic map for this site.		
	Owner Information			
3.6	Are you the owner of this land application site? <input type="checkbox"/> Yes → SKIP to Item 3.8 (Part 2, Section 3) below. <input type="checkbox"/> No			
3.7	Owner name			
	Mailing address (street or P.O. box)			
	City or town	State	ZIP code	
	Contact name (first and last)	Title	Phone number Email address	
Applier Information				
3.8	Are you the person who applies, or who is responsible for application of, sewage sludge to this land application site? <input type="checkbox"/> Yes → SKIP to Item 3.10 (Part 2, Section 3) below. <input type="checkbox"/> No			
3.9	Applier's name			
	Mailing address (street or P.O. box)			
	City or town	State	ZIP code	
	Contact name (first and last)	Title	Phone number Email address	

EPA Identification Number

NPDES Permit Number

Facility Name

Form Approved 03/05/19
OMB No. 2040-0004

AL0049867

HARRY STILL SR. WWTP

Land Application of Bulk Sewage Sludge Continued

Site Type

- 3.10 Type of land application:
- Agricultural land Forest
- Reclamation site Public contact site
- Other (describe)

Crop or Other Vegetation Grown on Site

3.11 What type of crop or other vegetation is grown on this site?

3.12 What is the nitrogen requirement for this crop or vegetation?

Vector Attraction Reduction

3.13 Are the vector attraction reduction requirements at 40 CFR 503.33(b)(9) and (b)(10) met when sewage sludge is applied to the land application site?

Yes No → SKIP to Item 3.16 (Part 2, Section 3) below.

3.14 Indicate which vector attraction reduction option is met. (Check only one response.)

Option 9 (injection below land surface) Option 10 (incorporation into soil within 6 hours)

3.15 Describe any treatment processes used at the land application site to reduce vector attraction properties of sewage sludge.

Check here if you have attached your description to the application package.

Cumulative Loadings and Remaining Allotments

3.16 Is the sewage sludge applied to this site since July 20, 1993, subject to the cumulative pollutant loading rates (CPLRs) in 40 CFR 503.13(b)(2)?

Yes No → SKIP to Part 2, Section 4.

3.17 Have you contacted the NPDES permitting authority in the state where the bulk sewage sludge subject to CPLRs will be applied to ascertain whether bulk sewage sludge subject to CPLRs has been applied to this site on or since July 20, 1993?

Yes No → Sewage sludge subject to CPLRs may not be applied to this site. SKIP to Part 2, Section 4.

3.18 Provide the following information about your NPDES permitting authority:

NPDES permitting authority name

Contact person

Telephone number

Email address

3.19 Based on your inquiry, has bulk sewage sludge subject to CPLRs been applied to this site since July 20, 1993?

Yes No → SKIP to Part 2, Section 4.

3.20 Provide the following information for every facility other than yours that is sending, or has sent, bulk sewage sludge subject to CPLRs to this site since July 20, 1993. If more than one such facility sends sewage sludge to this site, attach additional pages as necessary.

Check here to indicate that additional pages are attached.

Facility name

Mailing address (street or P.O. box)

City or town

State

ZIP code

Contact name (first and last)

Title

Phone number

Email address

EPA Identification Number		NPDES Permit Number AL0049867		Facility Name HARRY STILL SR. WWTP		Form Approved 03/05/19 OMB No. 2040-0004		
PART 2, SECTION 4 SURFACE DISPOSAL (40 CFR 122.21(q)(10))								
Surface Disposal	4.1	Do you own or operate a surface disposal site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Part 2, Section 5.						
	4.2	Complete all items in Section 4 for each active sewage sludge unit that you own or operate. <input type="checkbox"/> Check here to indicate that you have attached material to the application package for one or more active sewage sludge units.						
	Information on Active Sewage Sludge Units							
	4.3	Unit name or number						
		Mailing address (street or P.O. box)						
		City or town			State		ZIP code	
		Contact name (first and last)		Title		Phone number		Email address
		Location address (street, route number, or other specific identifier)						<input type="checkbox"/> Same as mailing address
		County			County code		<input type="checkbox"/> Not available	
		City or town			State		ZIP code	
		Latitude/Longitude of Active Sewage Sludge Unit (see instructions)						
		Latitude			Longitude			
		Method of Determination						
		<input type="checkbox"/> USGS map <input type="checkbox"/> Field survey <input type="checkbox"/> Other (specify) _____						
4.4	Provide a topographic map (or other appropriate map if a topographic map is unavailable) that shows the site location. <input type="checkbox"/> Check here to indicate that you have completed and attached a topographic map.							
4.5	Total dry metric tons of sewage sludge placed on the active sewage sludge unit per 365-day period:							
4.6	Total dry metric tons of sewage sludge placed on the active sewage sludge unit over the life of the unit:							
4.7	Does the active sewage sludge unit have a liner with a maximum permeability of 1×10^{-7} centimeters per second (cm/sec)? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 4.9 (Part 2, Section 4) below.							
4.8	Describe the liner. <input type="checkbox"/> Check here to indicate that you have attached a description to the application package.							
4.9	Does the active sewage sludge unit have a leachate collection system? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 4.11 (Part 2, Section 4) below.							
4.10	Describe the leachate collection system and the method used for leachate disposal and provide the numbers of any federal, state, or local permit(s) for leachate disposal. <input type="checkbox"/> Check here to indicate that you have attached the description to the application package.							

EPA Identification Number		NPDES Permit Number		Facility Name		Form Approved 03/05/19 OMB No. 2040-0004		
		AL0049867		HARRY STILL SR. WWTP				
Surface Disposal Continued	4.11	Is the boundary of the active sewage sludge unit less than 150 meters from the property line of the surface disposal site?						
		<input type="checkbox"/> Yes		<input type="checkbox"/> No → SKIP to Item 4.13 (Part 2, Section 4) below.				
	4.12	Provide the actual distance in meters:						_____ meters
	4.13	Remaining capacity of active sewage sludge unit in dry metric tons:						_____ dry metric tons
	4.14	Anticipated closure date for active sewage sludge unit, if known (MM/DD/YYYY):						
	4.15	Attach a copy of any closure plan that has been developed for this active sewage sludge unit. <input type="checkbox"/> Check here to indicate that you have attached a copy of the closure plan to the application package.						
	Sewage Sludge from Other Facilities							
	4.16	Is sewage sludge sent to this active sewage sludge unit from any facilities other than your facility?						
		<input type="checkbox"/> Yes		<input type="checkbox"/> No → SKIP to Item 4.21 (Part 2, Section 4) below.				
	4.17	Indicate the total number of facilities (other than your facility) that send sewage sludge to this active sewage sludge unit. (Complete Items 4.18 to 4.20 directly below for each such facility.) <input type="checkbox"/> Check here to indicate that you have attached responses for each facility to the application package.						
	4.18	Facility name						
		Mailing address (street or P.O. box)						
		City or town			State		ZIP code	
	Contact name (first and last)		Title		Phone number	Email address		
4.19	Indicate the pathogen class and reduction alternative and the vector attraction reduction option met for the sewage sludge before leaving the other facility.							
	Pathogen Class and Reduction Alternative			Vector Attraction Reduction Option				
	<input type="checkbox"/> Not applicable			<input type="checkbox"/> Not applicable				
	<input type="checkbox"/> Class A, Alternative 1			<input type="checkbox"/> Option 1				
	<input type="checkbox"/> Class A, Alternative 2			<input type="checkbox"/> Option 2				
	<input type="checkbox"/> Class A, Alternative 3			<input type="checkbox"/> Option 3				
	<input type="checkbox"/> Class A, Alternative 4			<input type="checkbox"/> Option 4				
	<input type="checkbox"/> Class A, Alternative 5			<input type="checkbox"/> Option 5				
	<input type="checkbox"/> Class A, Alternative 6			<input type="checkbox"/> Option 6				
	<input type="checkbox"/> Class B, Alternative 1			<input type="checkbox"/> Option 7				
	<input type="checkbox"/> Class B, Alternative 2			<input type="checkbox"/> Option 8				
	<input type="checkbox"/> Class B, Alternative 3			<input type="checkbox"/> Option 9				
	<input type="checkbox"/> Class B, Alternative 4			<input type="checkbox"/> Option 10				
	<input type="checkbox"/> Domestic septage, pH adjustment			<input type="checkbox"/> Option 11				
4.20	Which treatment process(es) are used at the other facility to reduce pathogens in sewage sludge or reduce the vector attraction properties of sewage sludge before leaving the other facility? (Check all that apply.)							
	<input type="checkbox"/> Preliminary operations (e.g., sludge grinding and degritting)			<input type="checkbox"/> Thickening (concentration)				
	<input type="checkbox"/> Stabilization			<input type="checkbox"/> Anaerobic digestion				
	<input type="checkbox"/> Composting			<input type="checkbox"/> Conditioning				
	<input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization)			<input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons)				
	<input type="checkbox"/> Heat drying			<input type="checkbox"/> Thermal reduction				
	<input type="checkbox"/> Methane or biogas capture and recovery			<input type="checkbox"/> Other (specify) _____				

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HARRY STILL SR. WWTP

Surface Disposal Continued

Vector Attraction Reduction

4.21 Which vector attraction reduction option, if any, is met when sewage sludge is placed on this active sewage sludge unit?

<input type="checkbox"/> Option 9 (Injection below and surface)	<input type="checkbox"/> Option 11 (Covering active sewage sludge unit daily)
<input type="checkbox"/> Option 10 (Incorporation into soil within 6 hours)	<input type="checkbox"/> None

4.22 Describe any treatment processes used at the active sewage sludge unit to reduce vector attraction properties of sewage sludge.
 Check here if you have attached your description to the application package.

Groundwater Monitoring

4.23 Is groundwater monitoring currently conducted at this active sewage sludge unit, or are groundwater monitoring data otherwise available for this active sewage sludge unit?
 Yes No → SKIP to Item 4.26 (Part 2, Section 4) below.

4.24 Provide a copy of available groundwater monitoring data.
 Check here to indicate you have attached the monitoring data.

4.25 Describe the well locations, the approximate depth to groundwater, and the groundwater monitoring procedures used to obtain these data.
 Check here if you have attached your description to the application package.

4.26 Has a groundwater monitoring program been prepared for this active sewage sludge unit?
 Yes No → SKIP to Item 4.28 (Part 2, Section 4) below.

4.27 Submit a copy of the groundwater monitoring program with this permit application.
 Check here to indicate you have attached the monitoring program.

4.28 Have you obtained a certification from a qualified groundwater scientist that the aquifer below the active sewage sludge unit has not been contaminated?
 Yes No → SKIP to Item 4.30 (Part 2, Section 4) below.

4.29 Submit a copy of the certification with this permit application.
 Check here to indicate you have attached the certification to the application package.

Site-Specific Limits

4.30 Are you seeking site-specific pollutant limits for the sewage sludge placed on the active sewage sludge unit?
 Yes No → SKIP to Part 2, Section 5.

4.31 Submit information to support the request for site-specific pollutant limits with this application.
 Check here to indicate you have attached the requested information.

EPA Identification Number

NPDES Permit Number

Facility Name

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OMB No. 2040-0004

AL0049867

HARRY STILL SR. WWTP

PART 2, SECTION 5 INCINERATION (40 CFR 122.21(q)(11))

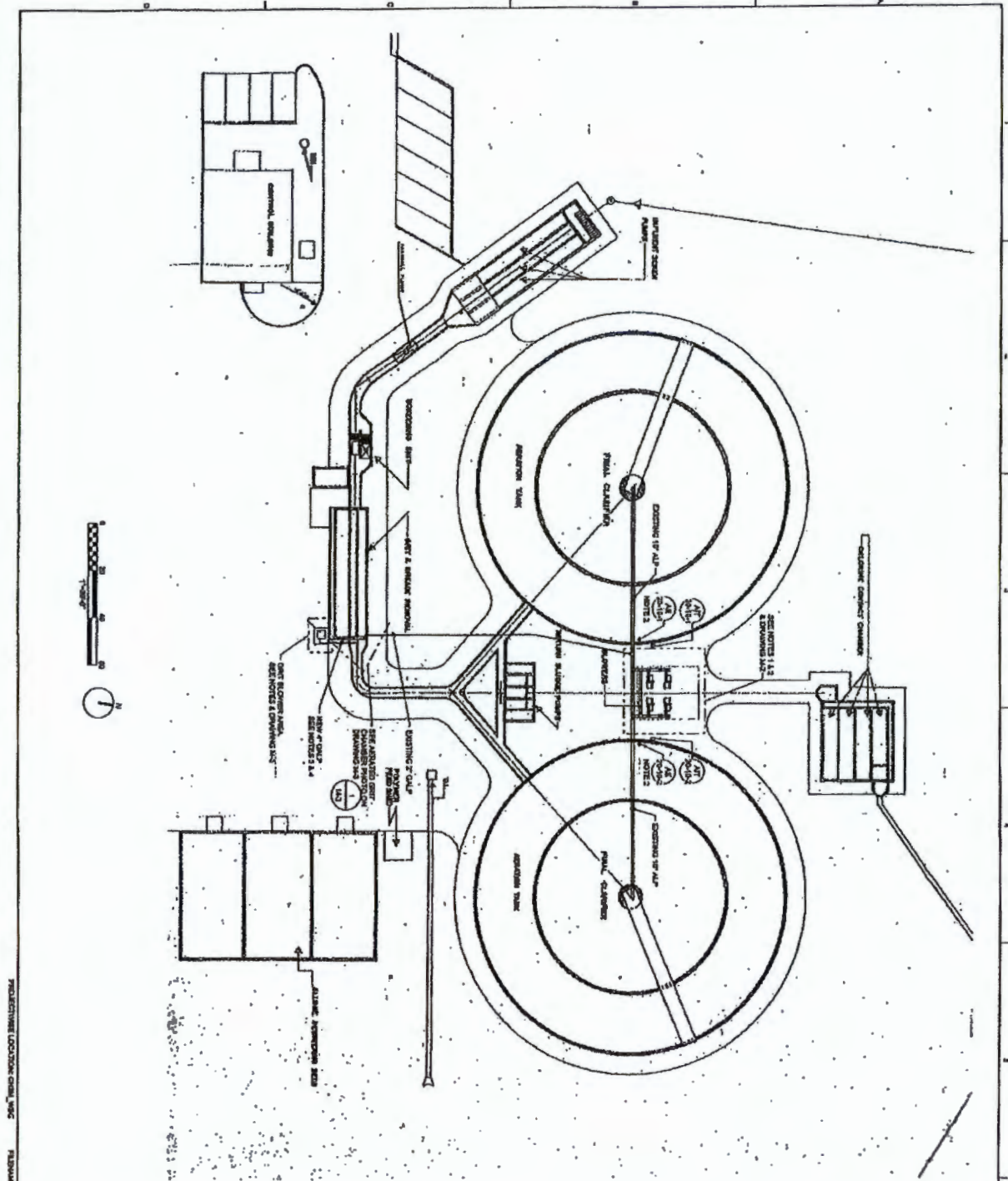
Incinerator Information	
5.1	Do you fire sewage sludge in a sewage sludge incinerator? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to END.
5.2	Indicate the total number of incinerators used at your facility. (Complete the remainder of Section 5 for each such incinerator.) <input type="checkbox"/> Check here to indicate that you have attached information for one or more incinerators.
5.3	Incinerator name or number
	Location address (street, route number, or other specific identifier)
	County <input type="checkbox"/> Not available
	County code
	City or town
	State
	ZIP code
	Latitude/Longitude of Incinerator: (see instructions)
	Latitude
	Longitude
	Method of Determination
	<input type="checkbox"/> USGS map <input type="checkbox"/> Field survey <input type="checkbox"/> Other (specify) _____
Amount Fired	
5.4	Dry metric tons per 365-day period of sewage sludge fired in the sewage sludge incinerator:
Beryllium NESHAP	
5.5	Submit information, test data, and a description of measures taken that demonstrate whether the sewage sludge incinerated is beryllium-containing waste and will continue to remain as such. <input type="checkbox"/> Check here to indicate that you have attached this material to the application package.
5.6	Is the sewage sludge fired in this incinerator "beryllium-containing waste" as defined at 40 CFR 61.31? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.8 (Part 2, Section 5) below.
5.7	Submit with this application a complete report of the latest beryllium emission rate testing and documentation of ongoing incinerator operating parameters indicating that the NESHAP emission rate limit for beryllium has been and will continue to be met. <input type="checkbox"/> Check here to indicate that you have attached this information.
Mercury NESHAP	
5.8	Is compliance with the mercury NESHAP being demonstrated via stack testing? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.11 (Part 2, Section 5) below.
5.9	Submit a complete report of stack testing and documentation of ongoing incinerator operating parameters indicating that the incinerator has met and will continue to meet the mercury NESHAP emission rate limit. <input type="checkbox"/> Check here to indicate that you have attached this information.
5.10	Provide copies of mercury emission rate tests for the two most recent years in which testing was conducted. <input type="checkbox"/> Check here to indicate that you have attached this information.
5.11	Do you demonstrate compliance with the mercury NESHAP by sewage sludge sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.13 (Part 2, Section 5) below.
5.12	Submit a complete report of sewage sludge sampling and documentation of ongoing incinerator operating parameters indicating that the incinerator has met and will continue to meet the mercury NESHAP emission rate limit. <input type="checkbox"/> Check here to indicate that you have attached this information.

EPA Identification Number		NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
		AL0049867	HARRY STILL SR. WWTP	
Incineration Continued	Dispersion Factor			
	5.13	Dispersion factor in micrograms/cubic meter per gram/second:		
	5.14	Name and type of dispersion model:		
	5.15	Submit a copy of the modeling results and supporting documentation. <input type="checkbox"/> Check here to indicate that you have attached this information.		
	Control Efficiency			
	5.16	Provide the control efficiency, in hundredths, for each of the pollutants listed below.		
		Pollutant	Control Efficiency, in Hundredths	
		Arsenic		
		Cadmium		
		Chromium		
		Lead		
		Nickel		
	5.17	Attach a copy of the results or performance testing and supporting documentation (including testing dates). <input type="checkbox"/> Check here to indicate that you have attached this information.		
	Risk-Specific Concentration for Chromium			
	5.18	Provide the risk-specific concentration (RSC) used for chromium in micrograms per cubic meter:		
	5.19	Was the RSC determined via Table 2 in 40 CFR 503.43? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.21 (Part 2, Section 5) below.		
	5.20	Identify the type of incinerator used as the basis. <input type="checkbox"/> Fluidized bed with wet scrubber <input type="checkbox"/> Other types with wet scrubber <input type="checkbox"/> Fluidized bed with wet scrubber and wet electrostatic precipitator <input type="checkbox"/> Other types with wet scrubber and wet electrostatic precipitator		
	5.21	Was the RSC determined via Table 6 in 40 CFR 503.43 (site-specific determination)? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.23 (Part 2, Section 5) below.		
	5.22	Provide the decimal fraction of hexavalent chromium concentration to total chromium concentration in stack exit gas:		
	5.23	Attach the results of incinerator stack tests for hexavalent and total chromium concentrations, including the date(s) of any test(s), with this application. <input type="checkbox"/> Check here to indicate that you have attached this information. <input type="checkbox"/> Not applicable		
	Incinerator Parameters			
	5.24	Do you monitor total hydrocarbons (THC) in the exit gas of the sewage sludge incinerator? <input type="checkbox"/> Yes <input type="checkbox"/> No		
	5.25	Do you monitor carbon monoxide (CO) in the exit gas of the sewage sludge incinerator? <input type="checkbox"/> Yes <input type="checkbox"/> No		
	5.26	Indicate the type of sewage sludge incinerator.		
	5.27	Incinerator stack height in meters:		
	5.28	Indicate whether the value submitted in Item 5.27 is (check only one response): <input type="checkbox"/> Actual stack height <input type="checkbox"/> Creditable stack height		

EPA Identification Number		NPDES Permit Number	Facility Name	Form Approved 03/05/19	
		AL0049867	HARRY STILL SR. WWTP	OMB No. 2040-0004	
Incineration Continued	Performance Test Operating Parameters				
	5.29	Maximum performance test combustion temperature:			
	5.30	Performance test sewage sludge feed rate, in dry metric tons/day			
	5.31	Indicate whether value submitted in Item 5.30 is (check only one response):			
		<input type="checkbox"/>	Average use	<input type="checkbox"/>	Maximum design
	5.32	Attach supporting documents describing how the feed rate was calculated.			
		<input type="checkbox"/>	Check here to indicate that you have attached this information.		
	5.33	Submit information documenting the performance test operating parameters for the air pollution control device(s) used for this sewage sludge incinerator.			
		<input type="checkbox"/>	Check here to indicate that you have attached this information.		
	Monitoring Equipment				
	5.34	List the equipment in place to monitor the listed parameters.			
		Parameter	Equipment in Place for Monitoring		
	Total hydrocarbons or carbon monoxide				
	Percent oxygen				
	Percent moisture				
	Combustion temperature				
	Other (describe)				
Air Pollution Control Equipment					
5.35	List all air pollution control equipment used with this sewage sludge incinerator.				
	<input type="checkbox"/>	Check here if you have attached the list to the application package for the noted incinerator.			

END of PART 2

Submit completed application package to your NPDES permitting authority.



NOTE: THE EXISTING REMAINING STRUCTURE IS TO BE DEMOLISHED AND THE SITE SHALL BE RESTORED TO ORIGINAL CONDITION. THE EXISTING STRUCTURE IS TO BE DEMOLISHED AND THE SITE SHALL BE RESTORED TO ORIGINAL CONDITION. THE EXISTING STRUCTURE IS TO BE DEMOLISHED AND THE SITE SHALL BE RESTORED TO ORIGINAL CONDITION.

CH2MHILL.		CIVIL SITE PLAN DEMOLITION		HARRY O STELBRUNN REGISTERED PROFESSIONAL ENGINEER NORTH BULLDOZER CENTER 6015 BRISTLE, AL	
DATE	11/13/83	BY	H O STELBRUNN	DATE	11/13/83
SCALE	AS SHOWN	APP'D	H O STELBRUNN	DATE	11/13/83



Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9106

April 22, 2021

James Dean
North Baldwin Utilities
25 Hand Ave
Bay Minette, AL 36507

RE: Project: Pollutant Scan Additional Item
Pace Project No.: 20196378

Dear James Dean:

Enclosed are the analytical results for sample(s) received by the laboratory on April 14, 2021. The results relate only to the samples included in this report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Mobile Labs
- Pace Analytical Services - New Orleans

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mary Kathryn Brenner
marykathryn.brenner@pacelabs.com
251-344-9106
Project Manager

Enclosures

cc: Jeff Donald
Clayton Dyess, North Baldwin Utilities
Jason Padgett

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9106

CERTIFICATIONS

Project: Pollutant Scan Additional Item
Pace Project No.: 20196378

Pace Analytical Services New Orleans

California Env. Lab Accreditation Program Branch:
11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):
E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Texas Commission on Env. Quality (NELAC):

T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Pace Analytical Services Mobile

4320 Midmost Drive, Mobile, AL 36609

Alabama Certification #: 40810

Florida Certification #: E67977

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9106

SAMPLE SUMMARY

Project: Pollutant Scan Additional Item
Pace Project No.: 20196378

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20196378001	Additional Items	Water	04/14/21 09:00	04/14/21 10:00

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Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9108

SAMPLE ANALYTE COUNT

Project: Pollutant Scan Additional Item
Pace Project No.: 20196378

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20196378001	Additional Items		KAW	4
		EPA 1664B	TMO	1
		SM 2540C	ABW	1
		SM 4500-NH3 G	JNB	1

PASI-MO = Pace Analytical Services - Mobile Labs
PASI-N = Pace Analytical Services - New Orleans

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pollutant Scan Additional Item
 Pace Project No.: 20196378

Sample: Additional Items	Lab ID: 20196378001	Collected: 04/14/21 09:00	Received: 04/14/21 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Mobile Labs							
Collected By	BSD			1		04/14/21 09:00		N2
Field pH	6.70	Std. Units		1		04/14/21 09:00		N2
Field Temperature	20.9	deg C		1		04/14/21 09:00		N2
Field Residual Chlorine	0.00	mg/L		1		04/14/21 09:00		N2
HEM, Oil and Grease	Analytical Method: EPA 1664B Pace Analytical Services - New Orleans							
Oil and Grease	ND	mg/L	5.0	1		04/20/21 12:26		
2540C Total Dissolved Solids	Analytical Method: SM 2540C Pace Analytical Services - New Orleans							
Total Dissolved Solids	95.0	mg/L	10.0	1		04/20/21 13:16		
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G Pace Analytical Services - New Orleans							
Nitrogen, Ammonia	ND	mg/L	0.10	1		04/22/21 10:27	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Pollutant Scan Additional Item
 Pace Project No.: 20196378

QC Batch: 222534 Analysis Method: EPA 1664B
 QC Batch Method: EPA 1664B Analysis Description: 1664 HEM, Oil and Grease
 Laboratory: Pace Analytical Services - New Orleans
 Associated Lab Samples: 20196378001

METHOD BLANK: 1045768 Matrix: Water
 Associated Lab Samples: 20196378001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	04/20/21 12:26	

LABORATORY CONTROL SAMPLE: 1045769

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	32.4	81	78-114	

MATRIX SPIKE SAMPLE: 1045770

Parameter	Units	20196974001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40	32.9	79	78-114	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Pollutant Scan Additional Item
 Pace Project No.: 20196378

QC Batch: 222627 Analysis Method: SM 2540C
 QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20196378001

METHOD BLANK: 1046040 Matrix: Water

Associated Lab Samples: 20196378001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	04/20/21 13:15	

LABORATORY CONTROL SAMPLE: 1046041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	100	102	102	80-120	

SAMPLE DUPLICATE: 1046042

Parameter	Units	20196380012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	215	195	10	20	

SAMPLE DUPLICATE: 1046043

Parameter	Units	20196678003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	190	190	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Pollutant Scan Additional Item
Pace Project No.: 20196378

QC Batch: 222853 Analysis Method: SM 4500-NH3 G
QC Batch Method: SM 4500-NH3 G Analysis Description: 4500 Ammonia
Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20196378001

METHOD BLANK: 1047245 Matrix: Water

Associated Lab Samples: 20196378001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	04/22/21 10:20	

LABORATORY CONTROL SAMPLE: 1047246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.1	102	90-110	

MATRIX SPIKE SAMPLE: 1047248

Parameter	Units	20196223001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	10	10.1	101	75-125	

SAMPLE DUPLICATE: 1047247

Parameter	Units	20196223001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	ND		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Pollutant Scan Additional Item
Pace Project No.: 20196378

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pollutant Scan Additional Item
Pace Project No.: 20196378

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20196378001	Additional Items		222214		
20196378001	Additional Items	EPA 1664B	222534		
20196378001	Additional Items	SM 2540C	222627		
20196378001	Additional Items	SM 4500-NH3 G	222853		

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Sample Condition Upon Receipt

4320 Ardmore Ct Mobile AL 36609

WO#: 20196378

PM: MKB Due Date: 04/23/21
CLIENT: MO-N. Baldwin

Project #:

Courier: Pace Client FedEx UPS Other Tracking # _____

Custody Seal on Cooler/Box Present: [see COC] Custody Seals intact: Yes No

Thermometer Used: Therm Fisher IR 001 Other:

Type of Ice: Wet Blue None

Samples on Ice: [see COC]

Cooler Temperature: [see COC]

Date and Initials of person examining contents: MKB 4/14/21

Temp must be measured from temperature blank when present

Comments:

Temperature Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	1	
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2	
Chain of Custody Complete:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4	
Sampler Name on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5	
Short Hold Time Analyses (<72 hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6	
Rush Turn Around Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10	
Filtered vol. Rec. for Diss. tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12	
All containers received within manufacturer's precautionary and/or expiration dates:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13	
All containers needing chemical preservation have been checked (except VOA, micro, & O&G):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14	
All containers preservation checked found to be in compliance with EPA recommendation:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15	If No, was preservative added? <input type="checkbox"/> Yes <input type="checkbox"/> No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	17	

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____



Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9106

June 23, 2022

James Dean
North Baldwin Utilities
25 Hand Ave
Bay Minette, AL 36507

RE: Project: Pollutant Scan 6/13/22
Pace Project No.: 20246644

Dear James Dean:

Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2022. The results relate only to the samples included in this report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay
- Pace Analytical Services - Minneapolis
- Pace Analytical Services - Mobile Labs
- Pace Analytical Services - New Orleans

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mary Kathryn Brenner
marykathryn.brenner@pacelabs.com
251-344-9106
Project Manager

Enclosures

cc: Jeff Donald
Clayton Dyess, North Baldwin Utilities
Jason Padgett

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Pollutant Scan 6/13/22
Pace Project No.: 20246644

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

- A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

- Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #: 74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006

Texas Commission on Env. Quality (NELAC): T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-00119

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150

Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9106

CERTIFICATIONS

Project: Pollutant Scan 6/13/22
Pace Project No.: 20246644

Pace Analytical Services Mobile
4320 Midmost Drive, Mobile, AL 36609

Alabama Certification #: 40810

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Pollutant Scan 6/13/22
Pace Project No.: 20246644

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20246644001	Pollutant Scan	Water	06/13/22 10:55	06/13/22 12:22
20246644002	Blank	Water	06/13/22 10:55	06/13/22 12:22

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20246644001	Pollutant Scan	EPA 1631E	LMS	1	PASI-G
		EPA 200.8	FC1	12	PASI-N
		EPA 245.2	AJS	1	PASI-N
		SM 9222D	MAS	1	PASI-MO
		Enterolert/Quanti-Tray	MAS	1	PASI-MO
		EPA 625.1	JNG	71	PASI-M
		EPA 624.1	SLK	36	PASI-N
		EPA 1664B, 2010	TMO	1	PASI-N
		SM 2340C	JLH	1	PASI-N
		SM 2540C 2011	TNW	1	PASI-N
		SM 2540D 2011	TNW	1	PASI-N
		SM 5210B	NTG	1	PASI-N
		EPA 351.2	NTG	1	PASI-N
		SM 4500-NH3 G	ABW	1	PASI-N
		SM 4500-NO3 F	DWR	1	PASI-N
		SM 4500-CN-E	DWR	1	PASI-N
		SM 4500-NO3 F	ABW	1	PASI-N
20246644002	Blank	EPA 9065	DWR	1	PASI-N
		EPA 1631E	LMS	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay
 PASI-M = Pace Analytical Services - Minneapolis
 PASI-MO = Pace Analytical Services - Mobile Labs
 PASI-N = Pace Analytical Services - New Orleans

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

Sample:	Pollutant Scan	Lab ID:	20246644001	Collected:	06/13/22 10:55	Received:	06/13/22 12:22	Matrix:	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
1631E Mercury, Low Level									
Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay									
Mercury	0.00116	ug/L	0.00050	1	06/16/22 09:05	06/20/22 11:07	7439-97-6		
200.8 Metals, Total									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - New Orleans									
Antimony	ND	ug/L	1.0	1	06/15/22 06:36	06/17/22 23:07	7440-36-0		
Arsenic	ND	ug/L	1.0	1	06/15/22 06:36	06/17/22 23:07	7440-38-2		
Beryllium	ND	ug/L	0.50	1	06/15/22 06:36	06/17/22 23:07	7440-41-7		
Cadmium	ND	ug/L	1.0	1	06/15/22 06:36	06/17/22 23:07	7440-43-9		
Chromium	ND	ug/L	1.0	1	06/15/22 06:36	06/17/22 23:07	7440-47-3		
Copper	7.0	ug/L	3.0	1	06/15/22 06:36	06/17/22 23:07	7440-50-8		
Lead	ND	ug/L	1.0	1	06/15/22 06:36	06/17/22 23:07	7439-92-1		
Nickel	1.4	ug/L	1.0	1	06/15/22 06:36	06/17/22 23:07	7440-02-0		
Selenium	ND	ug/L	1.0	1	06/15/22 06:36	06/17/22 23:07	7782-49-2		
Silver	ND	ug/L	0.50	1	06/15/22 06:36	06/17/22 23:07	7440-22-4		
Thallium	ND	ug/L	0.50	1	06/15/22 06:36	06/17/22 23:07	7440-28-0		
Zinc	38.5	ug/L	5.0	1	06/15/22 06:36	06/17/22 23:07	7440-66-6		
245.2 Mercury									
Analytical Method: EPA 245.2 Preparation Method: EPA 245.2 Pace Analytical Services - New Orleans									
Mercury	ND	ug/L	0.20	1	06/15/22 09:08	06/15/22 13:57	7439-97-6		
MOB 9222D Fecal Coli by MF									
Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Mobile Labs									
Fecal Coliforms	10	CFU/100 mL	1.0	1	06/13/22 13:50	06/14/22 12:45			N2
MOB Enterolert/Quanti-Tray									
Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray Pace Analytical Services - Mobile Labs									
Enterococci	13.1	MPN/100mL	1.0	1	06/13/22 14:10	06/14/22 16:10			N2
625.1 RV MSSV									
Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 Pace Analytical Services - Minneapolis									
Acenaphthene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	83-32-9		
Acenaphthylene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	208-96-8		
Anthracene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	120-12-7		
Benzo(a)anthracene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	56-55-3		
Benzo(a)pyrene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	207-08-9		
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	101-55-3		
Butylbenzylphthalate	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	85-68-7		
Carbazole	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	86-74-8		N2
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	59-50-7		
4-Chloroaniline	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	106-47-8		N2
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	111-91-1		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pollutant Scan 6/13/22
Pace Project No.: 20246644

Sample: Pollutant Scan Lab ID: 20246644001 Collected: 06/13/22 10:55 Received: 06/13/22 12:22 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 RV MSSV Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 Pace Analytical Services - Minneapolis								
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	91-58-7	L2
2-Chlorophenol	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	7005-72-3	
Chrysene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	132-64-9	N2
1,2-Dichlorobenzene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	95-50-1	N2
1,3-Dichlorobenzene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	541-73-1	N2
1,4-Dichlorobenzene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	106-46-7	N2
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	534-52-1	
2,4-Dinitrophenol	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	117-84-0	
1,2-Diphenylhydrazine	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	122-66-7	N2
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	117-81-7	
Fluoranthene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	206-44-0	
Fluorene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	118-74-1	
Hexachloroethane	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	193-39-5	
Isophorone	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	91-57-6	N2
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37		N2
Naphthalene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	91-20-3	
2-Nitroaniline	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	88-74-4	N2
3-Nitroaniline	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	99-09-2	N2
4-Nitroaniline	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	100-01-6	N2
Nitrobenzene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	88-75-5	
4-Nitrophenol	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	86-30-6	
Pentachlorophenol	ND	ug/L	20.0	1	06/20/22 00:00	06/21/22 16:37	87-86-5	
Phenanthrene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	85-01-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pollutant Scan 6/13/22
Pace Project No.: 20246644

Sample:	Pollutant Scan	Lab ID:	20246644001	Collected:	06/13/22 10:55	Received:	06/13/22 12:22	Matrix:	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
625.1 RV MSSV		Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 Pace Analytical Services - Minneapolis							
Phenol	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	108-95-2		
Pyrene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	129-00-0		
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	120-82-1	L2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	06/20/22 00:00	06/21/22 16:37	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	72	%	39-125	1	06/20/22 00:00	06/21/22 16:37	4165-60-0		
2-Fluorobiphenyl (S)	66	%	30-125	1	06/20/22 00:00	06/21/22 16:37	321-60-8		
p-Terphenyl-d14 (S)	76	%	65-128	1	06/20/22 00:00	06/21/22 16:37	1718-51-0		
Phenol-d6 (S)	24	%	10-125	1	06/20/22 00:00	06/21/22 16:37	13127-88-3		
2-Fluorophenol (S)	37	%	30-125	1	06/20/22 00:00	06/21/22 16:37	367-12-4		
2,4,6-Tribromophenol (S)	73	%	32-125	1	06/20/22 00:00	06/21/22 16:37	118-79-6		
624 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - New Orleans							
Acrolein	ND	ug/L	20.0	1		06/15/22 16:51	107-02-8	Ac	
Acrylonitrile	ND	ug/L	20.0	1		06/15/22 16:51	107-13-1		
Benzene	ND	ug/L	5.0	1		06/15/22 16:51	71-43-2		
Bromodichloromethane	ND	ug/L	5.0	1		06/15/22 16:51	75-27-4		
Bromoform	ND	ug/L	5.0	1		06/15/22 16:51	75-25-2		
Bromomethane	ND	ug/L	5.0	1		06/15/22 16:51	74-83-9		
Carbon tetrachloride	ND	ug/L	5.0	1		06/15/22 16:51	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		06/15/22 16:51	108-90-7		
Chloroethane	ND	ug/L	5.0	1		06/15/22 16:51	75-00-3		
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		06/15/22 16:51	110-75-8	c3	
Chloroform	ND	ug/L	5.0	1		06/15/22 16:51	67-66-3		
Chloromethane	ND	ug/L	5.0	1		06/15/22 16:51	74-87-3		
Dibromochloromethane	ND	ug/L	5.0	1		06/15/22 16:51	124-48-1		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/15/22 16:51	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/15/22 16:51	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/15/22 16:51	106-46-7		
1,1-Dichloroethane	ND	ug/L	5.0	1		06/15/22 16:51	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		06/15/22 16:51	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		06/15/22 16:51	75-35-4		
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/15/22 16:51	156-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		06/15/22 16:51	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/15/22 16:51	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/15/22 16:51	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		06/15/22 16:51	100-41-4		
Methylene Chloride	ND	ug/L	5.0	1		06/15/22 16:51	75-09-2		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/15/22 16:51	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		06/15/22 16:51	127-18-4		
Toluene	ND	ug/L	5.0	1		06/15/22 16:51	108-88-3		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/15/22 16:51	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/15/22 16:51	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		06/15/22 16:51	79-01-6		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

Sample: Pollutant Scan	Lab ID: 20246644001	Collected: 06/13/22 10:55	Received: 06/13/22 12:22	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624.1 Pace Analytical Services - New Orleans						
Trichlorofluoromethane	ND	ug/L	5.0	1		06/15/22 16:51	75-69-4	
Vinyl chloride	ND	ug/L	5.0	1		06/15/22 16:51	75-01-4	
Surrogates								
4-Bromofluorobenzene (S)	99	%	82-118	1		06/15/22 16:51	460-00-4	
Toluene-d8 (S)	98	%	81-120	1		06/15/22 16:51	2037-26-5	
Dibromofluoromethane (S)	102	%	77-123	1		06/15/22 16:51	1868-53-7	
HEM, Oil and Grease		Analytical Method: EPA 1664B, 2010 Pace Analytical Services - New Orleans						
Oil and Grease	ND	mg/L	5.0	1		06/20/22 12:05		
2340C Hardness, Total		Analytical Method: SM 2340C Pace Analytical Services - New Orleans						
Total Hardness	48.0	mg/L	5.0	1		06/16/22 16:32		
2540C Total Dissolved Solids		Analytical Method: SM 2540C 2011 Pace Analytical Services - New Orleans						
Total Dissolved Solids	165	mg/L	10.0	1		06/17/22 14:56		
2540D Total Suspended Solids		Analytical Method: SM 2540D 2011 Pace Analytical Services - New Orleans						
Total Suspended Solids	ND	mg/L	4.0	1		06/17/22 10:05		
5210B cBOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B Pace Analytical Services - New Orleans						
Carbonaceous BOD, 5 day	ND	mg/L	3.0	3	06/14/22 14:25	06/19/22 12:23		
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - New Orleans						
Nitrogen, Kjeldahl, Total	0.99	mg/L	0.10	1	06/15/22 14:55	06/16/22 15:54	7727-37-9	
4500 Ammonia Water		Analytical Method: SM 4500-NH3 G Pace Analytical Services - New Orleans						
Nitrogen, Ammonia	ND	mg/L	0.10	1		06/20/22 13:08	7664-41-7	
SM4500NO2-B, Nitrite, unpres		Analytical Method: SM 4500-NO3 F Pace Analytical Services - New Orleans						
Nitrite as N	ND	mg/L	0.050	1		06/14/22 13:55	14797-65-0	
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E Preparation Method: SM 4500-CN-C Pace Analytical Services - New Orleans						
Cyanide	ND	mg/L	0.020	1	06/17/22 10:12	06/17/22 11:57	57-12-5	

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ANALYTICAL RESULTS

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

Sample: Pollutant Scan	Lab ID: 20246644001	Collected: 06/13/22 10:55	Received: 06/13/22 12:22	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500NO3-F, NO3-NO2	Analytical Method: SM 4500-NO3 F Pace Analytical Services - New Orleans							
Nitrogen, NO2 plus NO3	10.4	mg/L	0.50	10		06/21/22 13:06		
9065 Phenolics, Total	Analytical Method: EPA 9065 Preparation Method: EPA 9065 Pace Analytical Services - New Orleans							
Phenolics, Total Recoverable	ND	mg/L	0.020	1	06/15/22 10:10	06/15/22 11:59	64743-03-9	
Sample: Blank	Lab ID: 20246644002	Collected: 06/13/22 10:55	Received: 06/13/22 12:22	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay							
Mercury	ND	ug/L	0.00050	1	06/16/22 09:05	06/20/22 11:00	7439-97-6	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 418540 Analysis Method: EPA 1631E
 QC Batch Method: EPA 1631E Analysis Description: 1631E Mercury
 Laboratory: Pace Analytical Services - Green Bay
 Associated Lab Samples: 20246644001, 20246644002

METHOD BLANK: 2410366 Matrix: Water
 Associated Lab Samples: 20246644001, 20246644002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.00050	06/20/22 09:56	

METHOD BLANK: 2410367 Matrix: Water
 Associated Lab Samples: 20246644001, 20246644002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.000229J	0.00050	06/20/22 11:20	

METHOD BLANK: 2410368 Matrix: Water
 Associated Lab Samples: 20246644001, 20246644002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.00050	06/20/22 12:40	

LABORATORY CONTROL SAMPLE & LCSD: 2410369

2410370

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.005	0.00497	0.00467	99	93	79-121	6	21	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2411998

2411999

Parameter	Units	35723945002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.000696	0.002	0.002	0.00250	0.00246	90	88	75-125	2	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2412000

2412001

Parameter	Units	20246644001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.00116	0.002	0.002	0.00289	0.00279	86	81	75-125	4	24	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258129 Analysis Method: EPA 245.2
 QC Batch Method: EPA 245.2 Analysis Description: 245.2 Mercury
 Laboratory: Pace Analytical Services - New Orleans
 Associated Lab Samples: 20246644001

METHOD BLANK: 1230265 Matrix: Water
 Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	06/15/22 13:52	

LABORATORY CONTROL SAMPLE: 1230266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	103	80-120	

MATRIX SPIKE SAMPLE: 1230268

Parameter	Units	20246644001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	1	1.0	102	75-125	

SAMPLE DUPLICATE: 1230267

Parameter	Units	20246644001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258042	Analysis Method: Enterolert/Quanti-Tray
QC Batch Method: Enterolert/Quanti-Tray	Analysis Description: MOB Enterolert/Quanti-Tray
Associated Lab Samples: 20246644001	Laboratory: Pace Analytical Services - Mobile Labs

METHOD BLANK: 1229723 Matrix: Water
 Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococcl	MPN/100mL	ND	1.0	06/14/22 14:10	N2

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258100 Analysis Method: EPA 200.8
 QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1230133 Matrix: Water
 Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	06/17/22 16:06	
Arsenic	ug/L	ND	1.0	06/17/22 16:06	
Beryllium	ug/L	ND	0.50	06/17/22 16:06	
Cadmium	ug/L	ND	1.0	06/17/22 16:06	
Chromium	ug/L	ND	1.0	06/17/22 16:06	
Copper	ug/L	ND	3.0	06/17/22 16:06	
Lead	ug/L	ND	1.0	06/17/22 16:06	
Nickel	ug/L	ND	1.0	06/17/22 16:06	
Selenium	ug/L	ND	1.0	06/17/22 16:06	
Silver	ug/L	ND	0.50	06/17/22 16:06	
Thallium	ug/L	ND	0.50	06/17/22 16:06	
Zinc	ug/L	ND	5.0	06/17/22 16:06	

LABORATORY CONTROL SAMPLE: 1230134

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	60	58.3	97	85-115	
Arsenic	ug/L	60	60.0	100	85-115	
Beryllium	ug/L	60	57.9	97	85-115	
Cadmium	ug/L	60	58.7	98	85-115	
Chromium	ug/L	60	57.1	95	85-115	
Copper	ug/L	60	59.0	98	85-115	
Lead	ug/L	60	59.1	99	85-115	
Nickel	ug/L	60	58.6	98	85-115	
Selenium	ug/L	60	56.1	94	85-115	
Silver	ug/L	30	29.5	98	85-115	
Thallium	ug/L	30	28.8	96	85-115	
Zinc	ug/L	60	58.4	97	85-115	

MATRIX SPIKE SAMPLE: 1230136

Parameter	Units	20246335001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	60	60.0	99	70-130	
Arsenic	ug/L	ND	60	60.2	100	70-130	
Beryllium	ug/L	ND	80	61.0	102	70-130	
Cadmium	ug/L	ND	60	58.5	97	70-130	
Chromium	ug/L	ND	60	57.1	94	70-130	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
Pace Project No.: 20246644

MATRIX SPIKE SAMPLE: 1230136

Parameter	Units	20246335001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	3.8	60	62.0	97	70-130	
Lead	ug/L	ND	60	59.7	99	70-130	
Nickel	ug/L	2.7	60	60.6	97	70-130	
Selenium	ug/L	ND	60	54.5	90	70-130	
Silver	ug/L	ND	30	29.4	98	70-130	
Thallium	ug/L	ND	30	29.0	97	70-130	
Zinc	ug/L	33.0	60	84.2	85	70-130	

MATRIX SPIKE SAMPLE: 1230137

Parameter	Units	20246336001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	60	59.7	99	70-130	
Arsenic	ug/L	ND	60	60.3	100	70-130	
Beryllium	ug/L	ND	60	60.3	100	70-130	
Cadmium	ug/L	ND	60	57.7	98	70-130	
Chromium	ug/L	ND	60	57.3	95	70-130	
Copper	ug/L	ND	60	59.7	97	70-130	
Lead	ug/L	ND	60	59.6	99	70-130	
Nickel	ug/L	1.4	60	58.9	96	70-130	
Selenium	ug/L	ND	60	54.3	90	70-130	
Silver	ug/L	ND	30	29.3	98	70-130	
Thallium	ug/L	ND	30	29.0	97	70-130	
Zinc	ug/L	18.5	60	78.0	99	70-130	

SAMPLE DUPLICATE: 1230135

Parameter	Units	20246335001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	.5J		20	
Arsenic	ug/L	ND	.24J		20	
Beryllium	ug/L	ND	ND		20	
Cadmium	ug/L	ND	ND		20	
Chromium	ug/L	ND	.4J		20	
Copper	ug/L	3.8	3.8	1	20	
Lead	ug/L	ND	ND		20	
Nickel	ug/L	2.7	2.7	2	20	
Selenium	ug/L	ND	ND		20	
Silver	ug/L	ND	ND		20	
Thallium	ug/L	ND	ND		20	
Zinc	ug/L	33.0	27.0	20	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
Pace Project No.: 20246644

QC Batch: 258152 Analysis Method: EPA 624.1
QC Batch Method: EPA 624.1 Analysis Description: 624 MSV
Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1230331 Matrix: Water
Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/15/22 09:58	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/15/22 09:58	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/15/22 09:58	
1,1-Dichloroethane	ug/L	ND	5.0	06/15/22 09:58	
1,1-Dichloroethene	ug/L	ND	5.0	06/15/22 09:58	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/15/22 09:58	
1,2-Dichloroethane	ug/L	ND	5.0	06/15/22 09:58	
1,2-Dichloropropane	ug/L	ND	5.0	06/15/22 09:58	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/15/22 09:58	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/15/22 09:58	
2-Chloroethylvinyl ether	ug/L	ND	20.0	06/15/22 09:58	
Acrolein	ug/L	ND	20.0	06/15/22 09:58	
Acrylonitrile	ug/L	ND	20.0	06/15/22 09:58	
Benzene	ug/L	ND	5.0	06/15/22 09:58	
Bromodichloromethane	ug/L	ND	5.0	06/15/22 09:58	
Bromoform	ug/L	ND	5.0	06/15/22 09:58	
Bromomethane	ug/L	ND	5.0	06/15/22 09:58	
Carbon tetrachloride	ug/L	ND	5.0	06/15/22 09:58	
Chlorobenzene	ug/L	ND	5.0	06/15/22 09:58	
Chloroethane	ug/L	ND	5.0	06/15/22 09:58	
Chloroform	ug/L	ND	5.0	06/15/22 09:58	
Chloromethane	ug/L	ND	5.0	06/15/22 09:58	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/15/22 09:58	
Dibromochloromethane	ug/L	ND	5.0	06/15/22 09:58	
Ethylbenzene	ug/L	ND	5.0	06/15/22 09:58	
Methylene Chloride	ug/L	ND	5.0	06/15/22 09:58	
Tetrachloroethene	ug/L	ND	5.0	06/15/22 09:58	
Toluene	ug/L	ND	5.0	06/15/22 09:58	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/15/22 09:58	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/15/22 09:58	
Trichloroethene	ug/L	ND	5.0	06/15/22 09:58	
Trichlorofluoromethane	ug/L	ND	5.0	06/15/22 09:58	
Vinyl chloride	ug/L	ND	5.0	06/15/22 09:58	
4-Bromofluorobenzene (S)	%	96	82-118	06/15/22 09:58	
Dibromofluoromethane (S)	%	102	77-123	06/15/22 09:58	
Toluene-d8 (S)	%	98	81-120	06/15/22 09:58	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

LABORATORY CONTROL SAMPLE: 1230332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.5	98	76-123	
1,1,2,2-Tetrachloroethane	ug/L	20	21.8	109	64-131	
1,1,2-Trichloroethane	ug/L	20	19.7	98	76-118	
1,1-Dichloroethane	ug/L	20	19.4	97	69-125	
1,1-Dichloroethene	ug/L	20	19.4	97	63-122	
1,2-Dichlorobenzene	ug/L	20	20.4	102	80-113	
1,2-Dichloroethane	ug/L	20	19.5	98	64-127	
1,2-Dichloropropane	ug/L	20	20.2	101	68-125	
1,3-Dichlorobenzene	ug/L	20	19.9	100	79-112	
1,4-Dichlorobenzene	ug/L	20	19.4	97	79-113	
2-Chloroethylvinyl ether	ug/L	20	22.3	112	52-138	
Acrolein	ug/L	100	90.4	90	10-164	
Acrylonitrile	ug/L	20	19.3J	97	48-145	
Benzene	ug/L	20	20.8	104	72-131	
Bromodichloromethane	ug/L	20	21.2	106	72-117	
Bromoform	ug/L	20	19.0	95	58-124	
Bromomethane	ug/L	20	22.2	111	39-163	
Carbon tetrachloride	ug/L	20	19.8	99	73-121	
Chlorobenzene	ug/L	20	20.1	100	77-119	
Chloroethane	ug/L	20	21.2	106	36-155	
Chloroform	ug/L	20	20.2	101	69-115	
Chloromethane	ug/L	20	23.7	118	30-148	
cis-1,3-Dichloropropene	ug/L	20	18.1	91	70-120	
Dibromochloromethane	ug/L	20	20.3	101	63-120	
Ethylbenzene	ug/L	20	20.9	105	81-110	
Methylene Chloride	ug/L	20	20.3	101	58-136	
Tetrachloroethene	ug/L	20	19.7	99	68-126	
Toluene	ug/L	20	20.2	101	80-116	
trans-1,2-Dichloroethene	ug/L	20	20.2	101	60-126	
trans-1,3-Dichloropropene	ug/L	20	20.0	100	71-120	
Trichloroethene	ug/L	20	20.2	101	76-113	
Trichlorofluoromethane	ug/L	20	18.5	92	27-166	
Vinyl chloride	ug/L	20	20.9	104	45-126	
4-Bromofluorobenzene (S)	%			93	82-118	
Dibromofluoromethane (S)	%			98	77-123	
Toluene-d8 (S)	%			98	81-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1230333 1230334

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		20246514001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	ND	20	20	21.8	22.9	109	114	76-141	5	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	23.1	24.8	116	124	60-144	7	20	
1,1,2-Trichloroethane	ug/L	ND	20	20	20.5	22.5	102	112	72-132	9	20	
1,1-Dichloroethane	ug/L	ND	20	20	21.1	22.5	105	112	67-139	6	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
Pace Project No.: 20246644

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1230333		1230334		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		20246514001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,1-Dichloroethene	ug/L	ND	20	20	21.8	22.5	109	113	62-139	3	20	
1,2-Dichlorobenzene	ug/L	ND	20	20	21.9	23.8	110	119	77-129	8	20	
1,2-Dichloroethane	ug/L	ND	20	20	19.9	21.5	99	107	63-139	8	20	
1,2-Dichloropropane	ug/L	ND	20	20	21.7	23.0	108	115	68-137	6	20	
1,3-Dichlorobenzene	ug/L	ND	20	20	22.1	23.7	110	119	76-128	7	20	
1,4-Dichlorobenzene	ug/L	ND	20	20	21.5	22.6	105	110	76-128	5	20	
2-Chloroethylvinyl ether	ug/L	ND	20	20	ND	ND	3	3	10-156		20 M1	
Acrolein	ug/L	ND	100	100	82.7	92.5	83	92	10-200	11	20	
Acrylonitrile	ug/L	ND	20	20	17.5J	18.4J	87	92	31-177		20	
Benzene	ug/L	ND	20	20	22.6	24.0	113	120	52-167	6	20	
Bromodichloromethane	ug/L	ND	20	20	21.8	22.9	109	115	70-131	5	20	
Bromoform	ug/L	ND	20	20	18.9	19.8	94	99	58-134	5	20	
Bromomethane	ug/L	ND	20	20	23.6	25.3	118	127	36-177	7	20	
Carbon tetrachloride	ug/L	ND	20	20	22.7	23.7	114	118	67-143	4	20	
Chlorobenzene	ug/L	ND	20	20	21.0	22.4	105	112	73-135	6	20	
Chloroethane	ug/L	ND	20	20	21.6	22.4	108	112	35-172	4	20	
Chloroform	ug/L	ND	20	20	21.5	22.6	107	113	65-131	5	20	
Chloromethane	ug/L	ND	20	20	25.3	26.4	126	132	27-168	4	20	
cis-1,3-Dichloropropene	ug/L	ND	20	20	18.2	19.7	91	98	67-139	8	20	
Dibromochloromethane	ug/L	ND	20	20	20.7	22.0	103	110	60-134	6	20	
Ethylbenzene	ug/L	ND	20	20	22.6	24.0	113	120	75-130	6	20	
Methylene Chloride	ug/L	ND	20	20	21.4	21.9	107	109	60-138	2	20	
Tetrachloroethene	ug/L	ND	20	20	21.8	23.1	109	116	65-146	6	20	
Toluene	ug/L	ND	20	20	22.1	23.3	110	116	32-181	5	20	
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.6	22.7	113	114	64-139	0	20	
trans-1,3-Dichloropropene	ug/L	ND	20	20	20.4	22.3	102	112	69-133	9	20	
Trichloroethene	ug/L	ND	20	20	22.3	23.5	112	118	73-132	5	20	
Trichlorofluoromethane	ug/L	ND	20	20	19.2	20.1	96	101	24-189	5	20	
Vinyl chloride	ug/L	ND	20	20	22.8	23.8	114	119	47-145	5	20	
4-Bromofluorobenzene (S)	%						96	97	82-118			
Dibromofluoromethane (S)	%						99	99	77-123			
Toluene-d8 (S)	%						98	98	81-120			

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 823009 Analysis Method: EPA 825.1
 QC Batch Method: EPA 625.1 Analysis Description: 625.1 RV MSSV
 Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 20246644001

METHOD BLANK: 4360923 Matrix: Water

Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	06/21/22 16:12	
1,2-Dichlorobenzene	ug/L	ND	10.0	06/21/22 16:12	N2
1,2-Diphenylhydrazine	ug/L	ND	10.0	06/21/22 16:12	N2
1,3-Dichlorobenzene	ug/L	ND	10.0	06/21/22 16:12	N2
1,4-Dichlorobenzene	ug/L	ND	10.0	06/21/22 16:12	N2
2,4,5-Trichlorophenol	ug/L	ND	10.0	06/21/22 16:12	
2,4,6-Trichlorophenol	ug/L	ND	10.0	06/21/22 16:12	
2,4-Dichlorophenol	ug/L	ND	10.0	06/21/22 16:12	
2,4-Dimethylphenol	ug/L	ND	10.0	06/21/22 16:12	
2,4-Dinitrophenol	ug/L	ND	10.0	06/21/22 16:12	
2,4-Dinitrotoluene	ug/L	ND	10.0	06/21/22 16:12	
2,6-Dinitrotoluene	ug/L	ND	10.0	06/21/22 16:12	
2-Chloronaphthalene	ug/L	ND	10.0	06/21/22 16:12	
2-Chlorophenol	ug/L	ND	10.0	06/21/22 16:12	
2-Methylnaphthalene	ug/L	ND	10.0	06/21/22 16:12	N2
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	06/21/22 16:12	N2
2-Nitroaniline	ug/L	ND	10.0	06/21/22 16:12	N2
2-Nitrophenol	ug/L	ND	10.0	06/21/22 16:12	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	06/21/22 16:12	N2
3,3'-Dichlorobenzidine	ug/L	ND	10.0	06/21/22 16:12	
3-Nitroaniline	ug/L	ND	10.0	06/21/22 16:12	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	10.0	06/21/22 16:12	
4-Bromophenylphenyl ether	ug/L	ND	10.0	06/21/22 16:12	
4-Chloro-3-methylphenol	ug/L	ND	10.0	06/21/22 16:12	
4-Chloroaniline	ug/L	ND	10.0	06/21/22 16:12	N2
4-Chlorophenylphenyl ether	ug/L	ND	10.0	06/21/22 16:12	
4-Nitroaniline	ug/L	ND	10.0	06/21/22 16:12	N2
4-Nitrophenol	ug/L	ND	10.0	06/21/22 16:12	
Acenaphthene	ug/L	ND	10.0	06/21/22 16:12	
Acenaphthylene	ug/L	ND	10.0	06/21/22 16:12	
Anthracene	ug/L	ND	10.0	06/21/22 16:12	
Benzo(a)anthracene	ug/L	ND	10.0	06/21/22 16:12	
Benzo(a)pyrene	ug/L	ND	10.0	06/21/22 16:12	
Benzo(b)fluoranthene	ug/L	ND	10.0	06/21/22 16:12	
Benzo(g,h,i)perylene	ug/L	ND	10.0	06/21/22 16:12	
Benzo(k)fluoranthene	ug/L	ND	10.0	06/21/22 16:12	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	06/21/22 16:12	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	06/21/22 16:12	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	06/21/22 16:12	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	06/21/22 16:12	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22

Pace Project No.: 20246644

METHOD BLANK: 4360923

Matrix: Water

Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	10.0	06/21/22 16:12	
Carbazole	ug/L	ND	10.0	06/21/22 16:12	N2
Chrysene	ug/L	ND	10.0	06/21/22 16:12	
Di-n-butylphthalate	ug/L	ND	10.0	06/21/22 16:12	
Di-n-octylphthalate	ug/L	ND	10.0	06/21/22 16:12	
Dibenz(a,h)anthracene	ug/L	ND	10.0	06/21/22 16:12	
Dibenzofuran	ug/L	ND	10.0	06/21/22 16:12	N2
Diethylphthalate	ug/L	ND	10.0	06/21/22 16:12	
Dimethylphthalate	ug/L	ND	10.0	06/21/22 16:12	
Fluoranthene	ug/L	ND	10.0	06/21/22 16:12	
Fluorene	ug/L	ND	10.0	06/21/22 16:12	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	06/21/22 16:12	
Hexachlorobenzene	ug/L	ND	10.0	06/21/22 16:12	
Hexachloroethane	ug/L	ND	10.0	06/21/22 16:12	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	06/21/22 16:12	
Isophorone	ug/L	ND	10.0	06/21/22 16:12	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	06/21/22 16:12	
N-Nitrosodimethylamine	ug/L	ND	10.0	06/21/22 16:12	
N-Nitrosodiphenylamine	ug/L	ND	10.0	06/21/22 16:12	
Naphthalene	ug/L	ND	10.0	06/21/22 16:12	
Nitrobenzene	ug/L	ND	10.0	06/21/22 16:12	
Pentachlorophenol	ug/L	ND	20.0	06/21/22 16:12	
Phenanthrene	ug/L	ND	10.0	06/21/22 16:12	
Phenol	ug/L	ND	10.0	06/21/22 16:12	
Pyrene	ug/L	ND	10.0	06/21/22 16:12	
2,4,6-Tribromophenol (S)	%	68	32-125	06/21/22 16:12	
2-Fluorobiphenyl (S)	%	45	30-125	06/21/22 16:12	
2-Fluorophenol (S)	%	36	30-125	06/21/22 16:12	
Nitrobenzene-d5 (S)	%	66	39-125	06/21/22 16:12	
p-Terphenyl-d14 (S)	%	75	65-128	06/21/22 16:12	
Phenol-d6 (S)	%	26	10-125	06/21/22 16:12	

LABORATORY CONTROL SAMPLE & LCSD: 4360924

4360925

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	25.1	27.7	50	55	57-130	10	20	L2
1,2-Dichlorobenzene	ug/L	50	28.9	29.9	58	60	30-125	3	20	N2
1,2-Diphenylhydrazine	ug/L	50	40.5	36.1	81	72	45-125	12	20	N2
1,3-Dichlorobenzene	ug/L	50	23.8	25.4	48	51	30-125	6	20	N2
1,4-Dichlorobenzene	ug/L	50	25.4	29.5	51	59	30-125	15	20	N2
2,4,5-Trichlorophenol	ug/L	50	41.4	38.9	83	78	34-134	6	20	
2,4,6-Trichlorophenol	ug/L	50	40.9	38.6	82	77	52-129	6	20	
2,4-Dichlorophenol	ug/L	50	38.9	37.0	78	74	53-122	5	20	
2,4-Dimethylphenol	ug/L	50	36.5	33.2	73	66	42-120	9	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22

Pace Project No.: 20246644

Parameter	Units	4360924		4360925		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCS % Rec							
2,4-Dinitrophenol	ug/L	50	41.2	23.3	82	47	30-173	56	20	R1		
2,4-Dinitrotoluene	ug/L	50	43.8	39.5	88	79	48-127	10	20			
2,6-Dinitrotoluene	ug/L	50	40.3	40.9	81	82	68-137	2	20			
2-Chloronaphthalene	ug/L	50	31.5	32.0	63	64	65-120	1	20	L2		
2-Chlorophenol	ug/L	50	30.4	31.5	61	63	36-120	4	20			
2-Methylnaphthalene	ug/L	50	29.1	29.6	58	59	30-125	2	20	N2		
2-Methylphenol(o-Cresol)	ug/L	50	29.7	29.3	59	59	30-125	1	20	N2		
2-Nitroaniline	ug/L	50	43.4	37.0	87	74	41-135	16	20	N2		
2-Nitrophenol	ug/L	50	39.2	36.2	78	72	45-167	8	20			
3&4-Methylphenol(m&p Cresol)	ug/L	50	30.8	30.8	62	62	30-125	0	20	N2		
3,3'-Dichlorobenzidine	ug/L	50	33.5	39.0	67	78	30-213	15	20			
3-Nitroaniline	ug/L	50	39.6	34.0	79	68	43-128	15	20	N2		
4,8-Dinitro-2-methylphenol	ug/L	50	52.6	41.6	105	83	53-130	23	20	R1		
4-Bromophenylphenyl ether	ug/L	50	44.0	37.7	88	75	65-120	15	20			
4-Chloro-3-methylphenol	ug/L	50	41.7	36.4	83	73	41-128	14	20			
4-Chloroaniline	ug/L	50	22.4	18.3	45	37	30-128	20	20	N2		
4-Chlorophenylphenyl ether	ug/L	50	40.3	36.2	81	72	38-145	11	20			
4-Nitroaniline	ug/L	50	40.2	36.9	80	74	49-131	9	20	N2		
4-Nitrophenol	ug/L	50	24.4	18.2	49	36	30-129	29	20	R1		
Acenaphthene	ug/L	50	34.1	33.0	68	66	60-132	3	20			
Acenaphthylene	ug/L	50	38.0	33.7	76	67	54-126	12	20			
Anthracene	ug/L	50	41.6	35.5	83	71	43-120	16	20			
Benzo(a)anthracene	ug/L	50	41.5	42.0	83	84	42-133	1	20			
Benzo(a)pyrene	ug/L	50	37.8	43.1	76	86	32-148	13	20			
Benzo(b)fluoranthene	ug/L	50	46.6	43.9	93	88	42-140	6	20			
Benzo(g,h,i)perylene	ug/L	50	40.4	41.7	81	83	30-195	3	20			
Benzo(k)fluoranthene	ug/L	50	42.6	45.4	85	91	30-146	6	20			
bis(2-Chloroethoxy)methane	ug/L	50	38.4	37.6	77	75	49-165	2	20			
bis(2-Chloroethyl) ether	ug/L	50	34.2	34.8	68	70	43-126	2	20			
bis(2-Chloroisopropyl) ether	ug/L	50	34.5	34.3	69	69	63-139	0	20			
bis(2-Ethylhexyl)phthalate	ug/L	50	41.7	43.5	83	87	30-137	4	20			
Butylbenzylphthalate	ug/L	50	41.6	43.0	83	86	30-140	3	20			
Carbazole	ug/L	50	41.4	37.6	83	75	52-129	10	20	N2		
Chrysene	ug/L	50	41.6	43.0	83	86	44-140	3	20			
Di-n-butylphthalate	ug/L	50	52.7	41.2	105	82	30-120	24	20	R1		
Di-n-octylphthalate	ug/L	50	42.5	43.3	85	87	30-132	2	20			
Dibenz(a,h)anthracene	ug/L	50	45.0	46.6	90	93	30-200	4	20			
Dibenzofuran	ug/L	50	37.1	32.6	74	65	39-125	13	20	N2		
Diethylphthalate	ug/L	50	46.9	40.6	94	81	30-120	14	20			
Dimethylphthalate	ug/L	50	46.1	40.2	92	80	30-120	14	20			
Fluoranthene	ug/L	50	46.2	41.1	92	82	43-121	12	20			
Fluorene	ug/L	50	39.1	36.5	78	73	70-120	7	20			
Hexachloro-1,3-butadiene	ug/L	50	23.5	25.4	47	51	38-120	7	20			
Hexachlorobenzene	ug/L	50	42.1	37.7	84	75	30-142	11	20			
Hexachloroethane	ug/L	50	23.0	27.3	46	55	55-120	17	20	L2		
Indeno(1,2,3-cd)pyrene	ug/L	50	43.4	45.3	87	91	30-151	4	20			
Isophorone	ug/L	50	39.0	34.9	78	70	47-180	11	20			

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

LABORATORY CONTROL SAMPLE & LCSD: 4360924		4360925									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
N-Nitroso-di-n-propylamine	ug/L	50	37.1	36.2	74	72	30-198	3	20		
N-Nitrosodimethylamine	ug/L	50	18.9	19.5	38	39	30-125	3	20		
N-Nitrosodiphenylamine	ug/L	50	35.6	32.1	71	64	41-125	10	20		
Naphthalene	ug/L	50	32.2	32.5	64	65	36-120	1	20		
Nitrobenzene	ug/L	50	38.0	36.8	76	74	54-158	3	20		
Pentachlorophenol	ug/L	50	44.8	40.2	90	80	38-152	11	20		
Phenanthrene	ug/L	50	40.9	35.5	82	71	65-120	14	20		
Phenol	ug/L	50	18.0	17.9	36	36	17-120	1	20		
Pyrene	ug/L	50	43.4	43.8	87	88	70-120	1	20		
2,4,6-Tribromophenol (S)	%				86	79	32-125				
2-Fluorobiphenyl (S)	%				62	60	30-125				
2-Fluorophenol (S)	%				46	44	30-125				
Nitrobenzene-d5 (S)	%				71	68	39-125				
p-Terphenyl-d14 (S)	%				81	80	65-128				
Phenol-d6 (S)	%				36	33	10-125				

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258502 Analysis Method: EPA 1664B, 2010
 QC Batch Method: EPA 1664B, 2010 Analysis Description: 1664 HEM, Oil and Grease
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1232306 Matrix: Water

Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	06/20/22 12:05	

LABORATORY CONTROL SAMPLE: 1232307

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	32.7	82	78-114	

MATRIX SPIKE SAMPLE: 1232308

Parameter	Units	20246587002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	<5.0	40	36.3	88	78-114	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258270 Analysis Method: SM 2340C
 QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1231197 Matrix: Water

Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness	mg/L	ND	5.0	06/16/22 14:39	

LABORATORY CONTROL SAMPLE: 1231198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness	mg/L	184	188	102	90-110	

SAMPLE DUPLICATE: 1231199

Parameter	Units	20246282001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258432 Analysis Method: SM 2540C 2011
 QC Batch Method: SM 2540C 2011 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1231907 Matrix: Water

Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	06/17/22 14:55	

LABORATORY CONTROL SAMPLE: 1231908

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	100	104	104	80-120	

SAMPLE DUPLICATE: 1231909

Parameter	Units	20247195001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	5840	5500	6	20	

SAMPLE DUPLICATE: 1231910

Parameter	Units	20246680001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	4600	4500	2	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258369 Analysis Method: SM 2540D 2011
 QC Batch Method: SM 2540D 2011 Analysis Description: 2540D Total Suspended Solids
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1231692 Matrix: Water
 Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	06/17/22 10:04	

LABORATORY CONTROL SAMPLE: 1231693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	100	100	80-120	

SAMPLE DUPLICATE: 1231694

Parameter	Units	20246640001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	197	190	4	20	

SAMPLE DUPLICATE: 1231695

Parameter	Units	20246636002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	55.0	61.0	10	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258060 Analysis Method: SM 5210B
 QC Batch Method: SM 5210B Analysis Description: 5210B cBOD, 5 day
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1229873 Matrix: Water

Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	0.23	0.20	06/19/22 11:52	

LABORATORY CONTROL SAMPLE: 1229875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	185	93	85-115	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258147 Analysis Method: EPA 351.2
 QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1230321 Matrix: Water

Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.10	06/16/22 15:34	

LABORATORY CONTROL SAMPLE: 1230322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4.8	4.9	103	80-120	

MATRIX SPIKE SAMPLE: 1230324

Parameter	Units	20246322001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	2.0	2.5	5.9	156	75-125	M1

SAMPLE DUPLICATE: 1230323

Parameter	Units	20246322001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	2.0	2.0	0	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258498 Analysis Method: SM 4500-NH3 G
 QC Batch Method: SM 4500-NH3 G Analysis Description: 4500 Ammonia
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1232290 Matrix: Water
 Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	06/20/22 12:33	

LABORATORY CONTROL SAMPLE: 1232291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.0	100	90-110	

MATRIX SPIKE SAMPLE: 1232293

Parameter	Units	20246138002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	5	5.0	100	75-125	

SAMPLE DUPLICATE: 1232292

Parameter	Units	20246138002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	.097J		20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258059 Analysis Method: SM 4500-NO3 F
 QC Batch Method: SM 4500-NO3 F Analysis Description: SM4500NO3-F, Nitrite, unpres
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1229868 Matrix: Water

Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.050	06/14/22 13:55	

LABORATORY CONTROL SAMPLE: 1229869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.2	0.20	99	90-110	

MATRIX SPIKE SAMPLE: 1229871

Parameter	Units	20246636001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.11	0.25	0.32	88	80-120	

SAMPLE DUPLICATE: 1229870

Parameter	Units	20246636001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrite as N	mg/L	0.11	0.11	0	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258372 Analysis Method: SM 4500-CN-E
 QC Batch Method: SM 4500-CN-C Analysis Description: 4500CNE Cyanide, Total
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1231700 Matrix: Water
 Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.020	06/17/22 11:46	

LABORATORY CONTROL SAMPLE: 1231701

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.1	0.090	90	80-120	

MATRIX SPIKE SAMPLE: 1231703

Parameter	Units	92606420001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	0.1	0.093	86	75-125	H3

SAMPLE DUPLICATE: 1231702

Parameter	Units	92606420001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	ND	ND		20	H3

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
Pace Project No.: 20246644

QC Batch: 258553 Analysis Method: SM 4500-NO3 F
QC Batch Method: SM 4500-NO3 F Analysis Description: SM4500NO3-F, Nitrate, Preserved
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20246644001

METHOD BLANK: 1232521 Matrix: Water
Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.050	06/21/22 12:34	

LABORATORY CONTROL SAMPLE: 1232522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	19.9	20.2	102	90-110	

MATRIX SPIKE SAMPLE: 1232524

Parameter	Units	20245220010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	1	1.0	100	80-120	

SAMPLE DUPLICATE: 1232523

Parameter	Units	20245220010 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

QC Batch: 258139 Analysis Method: EPA 9065
 QC Batch Method: EPA 9065 Analysis Description: 9065 Phenolics
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20246644001

METHOD BLANK: 1230303 Matrix: Water
 Associated Lab Samples: 20246644001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/L	ND	0.020	06/15/22 11:51	

LABORATORY CONTROL SAMPLE: 1230304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/L	0.1	0.088	88	80-120	

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QUALIFIERS

Project: Pollutant Scan 6/13/22
Pace Project No.: 20246644

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

BATCH QUALIFIERS

Batch: 823240

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

Ac Analysis of acrolein was performed from an unpreserved sample outside of the 3 day holding time required by the test method and for NPDES compliance per 40CFR Part 136 for unpreserved samples.
H3 Sample was received or analysis requested beyond the recognized method holding time.
L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1 RPD value was outside control limits.
c3 Analysis of 2-chloroethyl vinyl ether was performed from a sample that was field preserved to pH < 2 with HCl. Acid preservation is not allowed for this parameter by the test method or for NPDES compliance per 40CFR Part 136.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pollutant Scan 6/13/22
 Pace Project No.: 20246644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20246644001	Pollutant Scan	EPA 1631E	418540	EPA 1631E	418843
20246644002	Blank	EPA 1631E	418540	EPA 1631E	418843
20246644001	Pollutant Scan	EPA 200.8	258100	EPA 200.8	258131
20246644001	Pollutant Scan	EPA 245.2	258129	EPA 245.2	258181
20246644001	Pollutant Scan	SM 9222D	258085	SM 9222D	258441
20246644001	Pollutant Scan	Enterolert/Quanti-Tray	258042	Enterolert/Quanti-Tray	258380
20246644001	Pollutant Scan	EPA 625.1	823009	EPA 625.1	823240
20246644001	Pollutant Scan	EPA 624.1	258152		
20246644001	Pollutant Scan	EPA 1664B, 2010	258502		
20246644001	Pollutant Scan	SM 2340C	258270		
20246644001	Pollutant Scan	SM 2540C 2011	258432		
20246644001	Pollutant Scan	SM 2540D 2011	258369		
20246644001	Pollutant Scan	SM 5210B	258060	SM 5210B	258489
20246644001	Pollutant Scan	EPA 351.2	258147	EPA 351.2	258295
20246644001	Pollutant Scan	SM 4500-NH3 G	258498		
20246644001	Pollutant Scan	SM 4500-NO3 F	258059		
20246644001	Pollutant Scan	SM 4500-CN-C	258372	SM 4500-CN-E	258411
20246644001	Pollutant Scan	SM 4500-NO3 F	258553		
20246644001	Pollutant Scan	EPA 9065	258139	EPA 9065	258221

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Sample Condition Upon Receipt

WO#: 20246644

4370 Midmost Dr Mobile, AL 36609

PM: MKB

Due Date: 06/22/22

Project # CLIENT: MO-N. Baldwin

Courier: Pace Client FedEx UPS Other Tracking # _____

Custody Seal on Cooler/Box Present: [see COC]

Custody Seals intact: Yes No

Thermometer Used: Therm Fisher IR 001 Other:

Type of Ice: Wet Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Date and Initials of person examining contents: 6/13/2022 KHL

Temp must be measured from temperature blank when present

Comments:

Temperature Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	1
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Chain of Custody Complete:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Sampler Name on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Short Hold Time Analyses (<72 hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
Rush Turn Around Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10
Filtered vol. Rec. for Diss. tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12
All containers received within manufacturer's precautionary and/or expiration dates:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13
All containers needing chemical preservation have been checked (except VOA, micro, & O&G):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14
All containers preservation checked found to be in compliance with EPA recommendation:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	17

Client Notification/Resolution:

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____



Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9106

April 07, 2021

James Dean
North Baldwin Utilities
25 Hand Ave
Bay Minette, AL 36507

RE: Project: Pollutants Scan 3/22/21
Pace Project No.: 20194158

Dear James Dean:

Enclosed are the analytical results for sample(s) received by the laboratory on March 22, 2021. The results relate only to the samples included in this report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay
- Pace Analytical Services - New Orleans

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mary Kathryn Brenner
marykathryn.brenner@pacelabs.com
251-344-9106
Project Manager

Enclosures

cc: Jeff Donald
Clayton Dyess, North Baldwin Utilities
Jason Padgett

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Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9106

CERTIFICATIONS

Project: Pollutants Scan 3/22/21
Pace Project No.: 20194158

Pace Analytical Services New Orleans

California Env. Lab Accreditation Program Branch:
11277CA

Florida Department of Health (NELAC): E87595

Illinois Environmental Protection Agency: 0025721

Kansas Department of Health and Environment (NELAC):
E-10266

Louisiana Dept. of Environmental Quality (NELAC/LELAP):
02006

Texas Commission on Env. Quality (NELAC):
T104704405-09-TX

U.S. Dept. of Agriculture Foreign Soil Import: P330-10-
00119

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: Pollutants Scan 3/22/21
Pace Project No.: 20194158

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20194158001	HSS WWTP-Effluent	Water	03/22/21 13:15	03/22/21 14:23
20194158002	HSS WWTP-Effluent Blank	Water	03/22/21 13:15	03/22/21 14:23

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SAMPLE ANALYTE COUNT

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20194158001	HSS WWTP-Effluent	EPA 1631E	LMS	1	PASI-G
		EPA 200.7	AJS	12	PASI-N
		EPA 245.2	AJS	1	PASI-N
		EPA 625	RAD	64	PASI-N
		EPA 624	GEM	39	PASI-N
		SM 2340C	MAP	1	PASI-N
		EPA 420.1	MHM	1	PASI-N
		SM 4500-CN-E	MHM	1	PASI-N
20194158002	HSS WWTP-Effluent Blank	EPA 1631E	LMS	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay
 PASI-N = Pace Analytical Services - New Orleans

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ANALYTICAL RESULTS

Project: Pollutants Scan 3/22/21

Pace Project No.: 20194158

Sample: HSS WWTP-Effluent Lab ID: 20194158001 Collected: 03/22/21 13:15 Received: 03/22/21 14:23 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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1631E Mercury, Low Level
Analytical Method: EPA 1631E Preparation Method: EPA 1631E
Pace Analytical Services - Green Bay

Mercury	0.00103	ug/L	0.00050	1	03/29/21 09:18	03/30/21 12:01	7439-97-6	
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200.7 Metals, Total
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7
Pace Analytical Services - New Orleans

Antimony	ND	mg/L	0.060	1	03/24/21 09:01	03/24/21 13:50	7440-36-0	
Arsenic	ND	mg/L	0.010	1	03/24/21 09:01	03/24/21 13:50	7440-38-2	
Beryllium	ND	mg/L	0.0050	1	03/24/21 09:01	03/24/21 13:50	7440-41-7	
Cadmium	ND	mg/L	0.0050	1	03/24/21 09:01	03/24/21 13:50	7440-43-9	
Chromium	ND	mg/L	0.010	1	03/24/21 09:01	03/24/21 13:50	7440-47-3	
Copper	ND	mg/L	0.010	1	03/24/21 09:01	03/24/21 13:50	7440-50-8	
Lead	ND	mg/L	0.0050	1	03/24/21 09:01	03/24/21 13:50	7439-92-1	
Nickel	ND	mg/L	0.040	1	03/24/21 09:01	03/24/21 13:50	7440-02-0	
Selenium	ND	mg/L	0.020	1	03/24/21 09:01	03/24/21 13:50	7782-49-2	
Silver	ND	mg/L	0.010	1	03/24/21 09:01	03/24/21 13:50	7440-22-4	
Thallium	ND	mg/L	0.010	1	03/24/21 09:01	03/24/21 13:50	7440-28-0	
Zinc	0.11	mg/L	0.020	1	03/24/21 09:01	03/24/21 13:50	7440-66-6	

245.2 Mercury
Analytical Method: EPA 245.2 Preparation Method: EPA 245.2
Pace Analytical Services - New Orleans

Mercury	ND	ug/L	0.20	1	03/24/21 12:58	03/25/21 13:12	7439-97-6	
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625 MSSV 2DAY
Analytical Method: EPA 625 Preparation Method: EPA 625
Pace Analytical Services - New Orleans

Acenaphthene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	83-32-9	
Acenaphthylene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	208-96-8	
Anthracene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	120-12-7	
Benzidine	ND	ug/L	29.8	1	03/24/21 08:30	03/24/21 15:32	92-87-5	
Benzo(a)anthracene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	56-55-3	
Benzo(a)pyrene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	101-55-3	
Butylbenzylphthalate	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	59-50-7	
3&4-Chloroaniline	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32		
bis(2-Chloroethoxy)methane	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	111-44-4	
2-Chloronaphthalene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	91-58-7	
2-Chlorophenol	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	7005-72-3	
Chrysene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	53-70-3	
1,2-Dichlorobenzene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	541-73-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

Sample: HSS WWTP-Effluent Lab ID: 20194158001 Collected: 03/22/21 13:15 Received: 03/22/21 14:23 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV 2DAY		Analytical Method: EPA 625 Preparation Method: EPA 625 Pace Analytical Services - New Orleans						
1,4-Dichlorobenzene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	19.8	1	03/24/21 08:30	03/24/21 15:32	91-94-1	
2,4-Dichlorophenol	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	120-83-2	
Diethylphthalate	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	84-66-2	
2,4-Dimethylphenol	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	105-67-9	
Dimethylphthalate	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	131-11-3	
Di-n-butylphthalate	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	24.8	1	03/24/21 08:30	03/24/21 15:32	534-52-1	
2,4-Dinitrophenol	ND	ug/L	39.7	1	03/24/21 08:30	03/24/21 15:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	606-20-2	
Di-n-octylphthalate	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	117-84-0	
1,2-Diphenylhydrazine	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	122-66-7	
bis(2-Ethylhexyl)phthalate	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	117-81-7	
Fluoranthene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	206-44-0	
Fluorene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	19.8	1	03/24/21 08:30	03/24/21 15:32	87-68-3	
Hexachlorobenzene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	39.7	1	03/24/21 08:30	03/24/21 15:32	77-47-4	
Hexachloroethane	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	193-39-5	
Isophorone	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	78-59-1	
Naphthalene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	91-20-3	
Nitrobenzene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	98-95-3	
2-Nitrophenol	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	88-75-5	
4-Nitrophenol	ND	ug/L	39.7	1	03/24/21 08:30	03/24/21 15:32	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	108-60-1	
Pentachlorophenol	ND	ug/L	39.7	1	03/24/21 08:30	03/24/21 15:32	87-86-5	
Phenanthrene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	85-01-8	
Phenol	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	108-95-2	
Pyrene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	9.9	1	03/24/21 08:30	03/24/21 15:32	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	94	%	33-120	1	03/24/21 08:30	03/24/21 15:32	4165-60-0	
2-Fluorobiphenyl (S)	93	%	34-117	1	03/24/21 08:30	03/24/21 15:32	321-60-8	
Terphenyl-d14 (S)	80	%	24-133	1	03/24/21 08:30	03/24/21 15:32	1718-51-0	
Phenol-d6 (S)	24	%	10-120	1	03/24/21 08:30	03/24/21 15:32	13127-88-3	
2-Fluorophenol (S)	40	%	10-118	1	03/24/21 08:30	03/24/21 15:32	367-12-4	
2,4,6-Tribromophenol (S)	87	%	25-145	1	03/24/21 08:30	03/24/21 15:32	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

Sample: HSS WWTP-Effluent	Lab ID: 20194158001	Collected: 03/22/21 13:15	Received: 03/22/21 14:23	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics		Analytical Method: EPA 624 Pace Analytical Services - New Orleans						
Acrolein	ND	ug/L	20.0	1		03/24/21 16:28	107-02-8	
Acrylonitrile	ND	ug/L	20.0	1		03/24/21 16:28	107-13-1	
Benzene	ND	ug/L	5.0	1		03/24/21 16:28	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/24/21 16:28	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/24/21 16:28	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/24/21 16:28	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		03/24/21 16:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/24/21 16:28	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/24/21 16:28	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		03/24/21 16:28	110-75-8	M1, c3
Chloroform	ND	ug/L	5.0	1		03/24/21 16:28	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/24/21 16:28	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		03/24/21 16:28	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/24/21 16:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/24/21 16:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/24/21 16:28	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/24/21 16:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/24/21 16:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/24/21 16:28	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/24/21 16:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/24/21 16:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/24/21 16:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/24/21 16:28	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/24/21 16:28	100-41-4	
Methylene Chloride	ND	ug/L	5.0	1		03/24/21 16:28	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		03/24/21 16:28	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/24/21 16:28	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/24/21 16:28	127-18-4	
Toluene	ND	ug/L	5.0	1		03/24/21 16:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/24/21 16:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/24/21 16:28	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/24/21 16:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/24/21 16:28	75-69-4	
Vinyl chloride	ND	ug/L	5.0	1		03/24/21 16:28	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		03/24/21 16:28	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		03/24/21 16:28	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	82-118	1		03/24/21 16:28	460-00-4	
4-Bromofluorobenzene (S)	97	%	82-118	1		03/24/21 16:28	460-00-4	
Toluene-d8 (S)	101	%	81-120	1		03/24/21 16:28	2037-26-5	
Toluene-d8 (S)	101	%	81-120	1		03/24/21 16:28	2037-26-5	
Dibromofluoromethane (S)	105	%	77-123	1		03/24/21 16:28	1868-53-7	
Dibromofluoromethane (S)	105	%	77-123	1		03/24/21 16:28	1868-53-7	

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ANALYTICAL RESULTS

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

Sample: HSS WWTP-Effluent		Lab ID: 20194158001	Collected: 03/22/21 13:15	Received: 03/22/21 14:23	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340C Hardness, Total		Analytical Method: SM 2340C Pace Analytical Services - New Orleans						
Total Hardness	92.0	mg/L	5.0	1		03/30/21 09:14		
420.1 Phenolics, Total		Analytical Method: EPA 420.1 Preparation Method: EPA 420.1 Pace Analytical Services - New Orleans						
Phenolics, Total Recoverable	0.020	mg/L	0.020	1	03/23/21 15:45	03/23/21 18:28	64743-03-9	
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E Preparation Method: SM 4500-CN-C Pace Analytical Services - New Orleans						
Cyanide	ND	mg/L	0.020	1	03/26/21 13:40	03/26/21 15:14	57-12-5	

Sample: HSS WWTP-Effluent Blank		Lab ID: 20194158002	Collected: 03/22/21 13:15	Received: 03/22/21 14:23	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level		Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay						
Mercury	ND	ug/L	0.00050	1	03/29/21 09:18	03/30/21 11:54	7439-97-6	

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

QC Batch: 380913 Analysis Method: EPA 1631E
 QC Batch Method: EPA 1631E Analysis Description: 1631E Mercury
 Laboratory: Pace Analytical Services - Green Bay
 Associated Lab Samples: 20194158001, 20194158002

METHOD BLANK: 2197242 Matrix: Water
 Associated Lab Samples: 20194158001, 20194158002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.00050	03/30/21 11:41	

METHOD BLANK: 2197243 Matrix: Water
 Associated Lab Samples: 20194158001, 20194158002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.00050	03/30/21 13:05	

METHOD BLANK: 2197244 Matrix: Water
 Associated Lab Samples: 20194158001, 20194158002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.00050	03/30/21 14:25	

METHOD BLANK: 2197245 Matrix: Water
 Associated Lab Samples: 20194158001, 20194158002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.00053	03/30/21 11:48	

LABORATORY CONTROL SAMPLE & LCSD: 2197246 2197247

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.005	0.00518	0.00525	104	105	79-121	1	21	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2197998 2197999

Parameter	Units	2197998		2197999		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	ug/L	0.00103	0.002	0.002	0.00292	0.00288	94	92	75-125	1	24

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2198000		2198001		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual	
		40223913001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Mercury	ug/L	0.615 ng/L	0.002	0.002	0.00256	0.00253	98	96	75-125	1	24	

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

QC Batch: 220059 Analysis Method: EPA 245.2
 QC Batch Method: EPA 245.2 Analysis Description: 245.2 Mercury
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20194158001

METHOD BLANK: 1033798 Matrix: Water

Associated Lab Samples: 20194158001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/25/21 13:00	

LABORATORY CONTROL SAMPLE: 1033799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	101	80-120	

MATRIX SPIKE SAMPLE: 1033801

Parameter	Units	20193907001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	1	1.0	102	75-125	

SAMPLE DUPLICATE: 1033800

Parameter	Units	20193907001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
Pace Project No.: 20194158

QC Batch: 220055 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20194158001

METHOD BLANK: 1033779 Matrix: Water
Associated Lab Samples: 20194158001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	ND	0.060	03/24/21 12:48	
Arsenic	mg/L	ND	0.010	03/24/21 12:48	
Beryllium	mg/L	ND	0.0050	03/24/21 12:48	
Cadmium	mg/L	ND	0.0050	03/24/21 12:48	
Chromium	mg/L	ND	0.010	03/24/21 12:48	
Copper	mg/L	ND	0.010	03/24/21 12:48	
Lead	mg/L	ND	0.0050	03/24/21 12:48	
Nickel	mg/L	ND	0.040	03/24/21 12:48	
Selenium	mg/L	ND	0.020	03/24/21 12:48	
Silver	mg/L	ND	0.010	03/24/21 12:48	
Thallium	mg/L	ND	0.010	03/24/21 12:48	
Zinc	mg/L	ND	0.020	03/24/21 12:48	

LABORATORY CONTROL SAMPLE: 1033780

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	1	0.99	99	85-115	
Arsenic	mg/L	1	1.0	100	85-115	
Beryllium	mg/L	1	0.99	99	85-115	
Cadmium	mg/L	1	1.0	101	85-115	
Chromium	mg/L	1	0.99	99	85-115	
Copper	mg/L	1	1.0	100	85-115	
Lead	mg/L	1	1.0	100	85-115	
Nickel	mg/L	1	1.0	100	85-115	
Selenium	mg/L	1	1.0	103	85-115	
Silver	mg/L	0.5	0.50	100	85-115	
Thallium	mg/L	0.5	0.51	102	85-115	
Zinc	mg/L	1	1.1	105	85-115	

MATRIX SPIKE SAMPLE: 1033782

Parameter	Units	20194046001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	ND	1	0.92	92	70-130	
Arsenic	mg/L	ND	1	0.95	95	70-130	
Beryllium	mg/L	ND	1	0.92	92	70-130	
Cadmium	mg/L	ND	1	0.89	89	70-130	
Chromium	mg/L	ND	1	0.88	88	70-130	

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

MATRIX SPIKE SAMPLE: 1033782

Parameter	Units	20194046001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	mg/L	0.022	1	0.91	89	70-130	
Lead	mg/L	ND	1	0.86	86	70-130	
Nickel	mg/L	ND	1	0.88	87	70-130	
Selenium	mg/L	ND	1	0.96	96	70-130	
Silver	mg/L	ND	0.5	0.45	91	70-130	
Thallium	mg/L	ND	0.5	0.38	76	70-130	
Zinc	mg/L	ND	1	0.97	97	70-130	

MATRIX SPIKE SAMPLE: 1033783

Parameter	Units	20193907001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	ND	1	0.94	94	70-130	
Arsenic	mg/L	ND	1	0.95	95	70-130	
Beryllium	mg/L	ND	1	0.93	93	70-130	
Cadmium	mg/L	ND	1	0.86	86	70-130	
Chromium	mg/L	ND	1	0.88	88	70-130	
Copper	mg/L	ND	1	0.92	92	70-130	
Lead	mg/L	ND	1	0.85	85	70-130	
Nickel	mg/L	ND	1	0.86	85	70-130	
Selenium	mg/L	ND	1	0.96	96	70-130	
Silver	mg/L	ND	0.5	0.46	93	70-130	
Thallium	mg/L	ND	0.5	0.38	76	70-130	
Zinc	mg/L	23.8 ug/L	1	0.96	94	70-130	

SAMPLE DUPLICATE: 1033781

Parameter	Units	20194046001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	mg/L	ND	ND		20	
Arsenic	mg/L	ND	ND		20	
Beryllium	mg/L	ND	ND		20	
Cadmium	mg/L	ND	ND		20	
Chromium	mg/L	ND	ND		20	
Copper	mg/L	0.022	0.022	1	20	
Lead	mg/L	ND	ND		20	
Nickel	mg/L	ND	ND		20	
Selenium	mg/L	ND	ND		20	
Silver	mg/L	ND	ND		20	
Thallium	mg/L	ND	ND		20	
Zinc	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
Pace Project No.: 20194158

QC Batch: 220130	Analysis Method: EPA 624
QC Batch Method: EPA 624	Analysis Description: 624 MSV
Associated Lab Samples: 20194158001	Laboratory: Pace Analytical Services - New Orleans

METHOD BLANK: 1034092 Matrix: Water
Associated Lab Samples: 20194158001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	03/24/21 12:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	03/24/21 12:48	
1,1,2-Trichloroethane	ug/L	ND	5.0	03/24/21 12:48	
1,1-Dichloroethane	ug/L	ND	5.0	03/24/21 12:48	
1,1-Dichloroethene	ug/L	ND	5.0	03/24/21 12:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	03/24/21 12:48	
1,2-Dichloroethane	ug/L	ND	5.0	03/24/21 12:48	
1,2-Dichloropropane	ug/L	ND	5.0	03/24/21 12:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	03/24/21 12:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	03/24/21 12:48	
2-Chloroethylvinyl ether	ug/L	ND	20.0	03/24/21 12:48	
Acrolein	ug/L	ND	20.0	03/24/21 12:48	
Acrylonitrile	ug/L	ND	20.0	03/24/21 12:48	
Benzene	ug/L	ND	5.0	03/24/21 12:48	
Bromodichloromethane	ug/L	ND	5.0	03/24/21 12:48	
Bromoform	ug/L	ND	5.0	03/24/21 12:48	
Bromomethane	ug/L	ND	5.0	03/24/21 12:48	
Carbon tetrachloride	ug/L	ND	5.0	03/24/21 12:48	
Chlorobenzene	ug/L	ND	5.0	03/24/21 12:48	
Chloroethane	ug/L	ND	5.0	03/24/21 12:48	
Chloroform	ug/L	ND	5.0	03/24/21 12:48	
Chloromethane	ug/L	ND	5.0	03/24/21 12:48	
cis-1,3-Dichloropropene	ug/L	ND	5.0	03/24/21 12:48	
Dibromochloromethane	ug/L	ND	5.0	03/24/21 12:48	
Ethylbenzene	ug/L	ND	5.0	03/24/21 12:48	
m&p-Xylene	ug/L	ND	10.0	03/24/21 12:48	
Methyl-tert-butyl ether	ug/L	ND	5.0	03/24/21 12:48	
Methylene Chloride	ug/L	ND	5.0	03/24/21 12:48	
o-Xylene	ug/L	ND	5.0	03/24/21 12:48	
Tetrachloroethene	ug/L	ND	5.0	03/24/21 12:48	
Toluene	ug/L	ND	5.0	03/24/21 12:48	
trans-1,2-Dichloroethene	ug/L	ND	5.0	03/24/21 12:48	
trans-1,3-Dichloropropene	ug/L	ND	5.0	03/24/21 12:48	
Trichloroethene	ug/L	ND	5.0	03/24/21 12:48	
Trichlorofluoromethane	ug/L	ND	5.0	03/24/21 12:48	
Vinyl chloride	ug/L	ND	5.0	03/24/21 12:48	
4-Bromofluorobenzene (S)	%	98	82-118	03/24/21 12:48	
4-Bromofluorobenzene (S)	%	98	82-118	03/24/21 12:48	
Dibromofluoromethane (S)	%	104	77-123	03/24/21 12:48	
Dibromofluoromethane (S)	%	104	77-123	03/24/21 12:48	

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
Pace Project No.: 20194158

METHOD BLANK: 1034092 Matrix: Water
Associated Lab Samples: 20194158001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	100	81-120	03/24/21 12:48	
Toluene-d8 (S)	%	100	81-120	03/24/21 12:48	

LABORATORY CONTROL SAMPLE: 1034093

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.3	106	76-123	
1,1,2,2-Tetrachloroethane	ug/L	20	23.0	115	64-131	
1,1,2-Trichloroethane	ug/L	20	19.4	97	76-118	
1,1-Dichloroethane	ug/L	20	20.4	102	69-125	
1,1-Dichloroethene	ug/L	20	21.5	108	63-122	
1,2-Dichlorobenzene	ug/L	20	19.6	98	80-113	
1,2-Dichloroethane	ug/L	20	21.2	106	64-127	
1,2-Dichloropropane	ug/L	20	21.8	109	68-125	
1,3-Dichlorobenzene	ug/L	20	20.0	100	79-112	
1,4-Dichlorobenzene	ug/L	20	20.3	102	79-113	
2-Chloroethylvinyl ether	ug/L	20	19.6J	98	52-138	
Acrolein	ug/L	100	64.5	65	10-164	
Acrylonitrile	ug/L	20	19.9J	99	48-145	
Benzene	ug/L	20	20.3	102	72-131	
Bromodichloromethane	ug/L	20	21.0	105	72-117	
Bromoform	ug/L	20	17.7	88	58-124	
Bromomethane	ug/L	20	22.8	114	39-163	
Carbon tetrachloride	ug/L	20	20.4	102	73-121	
Chlorobenzene	ug/L	20	20.2	101	77-119	
Chloroethane	ug/L	20	23.9	120	36-155	
Chloroform	ug/L	20	19.8	99	69-115	
Chloromethane	ug/L	20	18.1	91	30-148	
cis-1,3-Dichloropropene	ug/L	20	21.1	105	70-120	
Dibromochloromethane	ug/L	20	19.4	97	63-120	
Ethylbenzene	ug/L	20	20.5	102	81-110	
m&p-Xylene	ug/L	40	39.7	99	79-115	
Methyl-tert-butyl ether	ug/L	20	19.0	95	58-135	
Methylene Chloride	ug/L	20	21.2	106	58-136	
o-Xylene	ug/L	20	20.0	100	78-117	
Tetrachloroethene	ug/L	20	19.4	97	68-126	
Toluene	ug/L	20	20.3	102	80-116	
trans-1,2-Dichloroethene	ug/L	20	19.7	99	60-126	
trans-1,3-Dichloropropene	ug/L	20	20.7	104	71-120	
Trichloroethene	ug/L	20	19.9	100	76-113	
Trichlorofluoromethane	ug/L	20	20.1	101	27-166	
Vinyl chloride	ug/L	20	18.6	93	45-126	
4-Bromofluorobenzene (S)	%			98	82-118	
4-Bromofluorobenzene (S)	%			98	82-118	

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
Pace Project No.: 20194158

LABORATORY CONTROL SAMPLE: 1034093

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromofluoromethane (S)	%			104	77-123	
Dibromofluoromethane (S)	%			104	77-123	
Toluene-d8 (S)	%			99	81-120	
Toluene-d8 (S)	%			99	81-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034094 1034095

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
		20194158001 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result
1,1,1-Trichloroethane	ug/L	ND	20	20	21.2	20.8	106	104	76-141	2	20
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.9	22.3	105	112	60-144	6	20
1,1,2-Trichloroethane	ug/L	ND	20	20	18.1	18.2	90	91	72-132	0	20
1,1-Dichloroethane	ug/L	ND	20	20	19.8	19.6	99	98	87-139	1	20
1,1-Dichloroethene	ug/L	ND	20	20	21.5	21.0	107	105	62-139	2	20
1,2-Dichlorobenzene	ug/L	ND	20	20	18.8	19.2	94	96	77-129	2	20
1,2-Dichloroethane	ug/L	ND	20	20	19.9	21.1	100	106	63-139	6	20
1,2-Dichloropropane	ug/L	ND	20	20	20.2	20.7	101	104	68-137	2	20
1,3-Dichlorobenzene	ug/L	ND	20	20	19.2	19.8	96	99	76-128	3	20
1,4-Dichlorobenzene	ug/L	ND	20	20	18.6	19.5	93	98	76-128	5	20
2-Chloroethylvinyl ether	ug/L	ND	20	20	ND	ND	0	0	10-156		20 M1
Acrolein	ug/L	ND	100	100	55.9	50.5	56	50	10-200	10	20
Acrylonitrile	ug/L	ND	20	20	18.3J	18.5J	92	92	31-177		20
Benzene	ug/L	ND	20	20	19.6	19.8	98	99	52-167	1	20
Bromodichloromethane	ug/L	ND	20	20	21.0	20.9	97	96	70-131	0	20
Bromoform	ug/L	ND	20	20	16.0	16.6	80	83	58-134	4	20
Bromomethane	ug/L	ND	20	20	22.5	20.1	112	100	36-177	11	20
Carbon tetrachloride	ug/L	ND	20	20	20.6	20.1	103	101	67-143	2	20
Chlorobenzene	ug/L	ND	20	20	18.9	18.4	94	92	73-135	2	20
Chloroethane	ug/L	ND	20	20	22.8	25.9	114	130	35-172	13	20
Chloroform	ug/L	ND	20	20	23.9	23.5	98	96	65-131	1	20
Chloromethane	ug/L	ND	20	20	21.1	22.1	106	110	27-168	5	20
cis-1,3-Dichloropropene	ug/L	ND	20	20	19.8	19.4	99	97	67-139	2	20
Dibromochloromethane	ug/L	ND	20	20	18.2	18.6	91	93	60-134	2	20
Ethylbenzene	ug/L	ND	20	20	19.1	19.2	96	96	75-130	0	20
m&p-Xylene	ug/L	ND	40	40	37.0	37.9	92	95	60-150	2	20
Methyl-tert-butyl ether	ug/L	ND	20	20	17.9	18.6	90	93	36-160	4	20
Methylene Chloride	ug/L	ND	20	20	23.9	24.1	119	121	60-138	1	20
o-Xylene	ug/L	ND	20	20	18.5	18.8	93	94	61-149	1	20
Tetrachloroethene	ug/L	ND	20	20	18.8	18.6	94	93	65-146	2	20
Toluene	ug/L	ND	20	20	19.5	19.1	98	96	32-181	2	20
trans-1,2-Dichloroethene	ug/L	ND	20	20	18.9	18.6	95	93	64-139	2	20
trans-1,3-Dichloropropene	ug/L	ND	20	20	19.2	18.7	96	94	69-133	2	20
Trichloroethene	ug/L	ND	20	20	19.9	18.9	100	95	73-132	5	20
Trichlorofluoromethane	ug/L	ND	20	20	21.2	19.4	106	97	24-189	9	20
Vinyl chloride	ug/L	ND	20	20	19.3	18.1	97	90	47-145	7	20

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1034094		1034095		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		20194158001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
4-Bromofluorobenzene (S)	%					97	97	82-118			
4-Bromofluorobenzene (S)	%					97	97	82-118			
4-Bromofluorobenzene (S)	%					97	97	82-118			
4-Bromofluorobenzene (S)	%					97	97	82-118			
Dibromofluoromethane (S)	%					106	108	77-123			
Dibromofluoromethane (S)	%					106	108	77-123			
Dibromofluoromethane (S)	%					106	108	77-123			
Dibromofluoromethane (S)	%					106	108	77-123			
Toluene-d8 (S)	%					99	101	81-120			
Toluene-d8 (S)	%					99	101	81-120			
Toluene-d8 (S)	%					99	101	81-120			
Toluene-d8 (S)	%					99	101	81-120			

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

QC Batch: 220062	Analysis Method: EPA 625
QC Batch Method: EPA 625	Analysis Description: 625 MSS 2DAY
	Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20194158001

METHOD BLANK: 1033808 Matrix: Water

Associated Lab Samples: 20194158001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	03/24/21 13:38	
1,2-Dichlorobenzene	ug/L	ND	10.0	03/24/21 13:38	
1,2-Diphenylhydrazine	ug/L	ND	10.0	03/24/21 13:38	
1,3-Dichlorobenzene	ug/L	ND	10.0	03/24/21 13:38	
1,4-Dichlorobenzene	ug/L	ND	10.0	03/24/21 13:38	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	10.0	03/24/21 13:38	
2,4,6-Trichlorophenol	ug/L	ND	10.0	03/24/21 13:38	
2,4-Dichlorophenol	ug/L	ND	10.0	03/24/21 13:38	
2,4-Dimethylphenol	ug/L	ND	10.0	03/24/21 13:38	
2,4-Dinitrophenol	ug/L	ND	40.0	03/24/21 13:38	
2,4-Dinitrotoluene	ug/L	ND	10.0	03/24/21 13:38	
2,6-Dinitrotoluene	ug/L	ND	10.0	03/24/21 13:38	
2-Chloronaphthalene	ug/L	ND	10.0	03/24/21 13:38	
2-Chlorophenol	ug/L	ND	10.0	03/24/21 13:38	
2-Nitrophenol	ug/L	ND	10.0	03/24/21 13:38	
3&4-Chloroaniline	ug/L	ND	10.0	03/24/21 13:38	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	03/24/21 13:38	
4,6-Dinitro-2-methylphenol	ug/L	ND	25.0	03/24/21 13:38	
4-Bromophenylphenyl ether	ug/L	ND	10.0	03/24/21 13:38	
4-Chloro-3-methylphenol	ug/L	ND	10.0	03/24/21 13:38	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	03/24/21 13:38	
4-Nitrophenol	ug/L	ND	40.0	03/24/21 13:38	
Acenaphthene	ug/L	ND	10.0	03/24/21 13:38	
Acenaphthylene	ug/L	ND	10.0	03/24/21 13:38	
Anthracene	ug/L	ND	10.0	03/24/21 13:38	
Benzidine	ug/L	ND	30.0	03/24/21 13:38	
Benzo(a)anthracene	ug/L	ND	10.0	03/24/21 13:38	
Benzo(a)pyrene	ug/L	ND	10.0	03/24/21 13:38	
Benzo(b)fluoranthene	ug/L	ND	10.0	03/24/21 13:38	
Benzo(g,h,i)perylene	ug/L	ND	10.0	03/24/21 13:38	
Benzo(k)fluoranthene	ug/L	ND	10.0	03/24/21 13:38	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	03/24/21 13:38	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	03/24/21 13:38	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	03/24/21 13:38	
Butylbenzylphthalate	ug/L	ND	10.0	03/24/21 13:38	
Chrysene	ug/L	ND	10.0	03/24/21 13:38	
Di-n-butylphthalate	ug/L	ND	10.0	03/24/21 13:38	
Di-n-octylphthalate	ug/L	ND	10.0	03/24/21 13:38	
Dibenz(a,h)anthracene	ug/L	ND	10.0	03/24/21 13:38	
Diethylphthalate	ug/L	ND	10.0	03/24/21 13:38	

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

METHOD BLANK: 1033806 Matrix: Water
 Associated Lab Samples: 20194158001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dimethylphthalate	ug/L	ND	10.0	03/24/21 13:38	
Fluoranthene	ug/L	ND	10.0	03/24/21 13:38	
Fluorene	ug/L	ND	10.0	03/24/21 13:38	
Hexachloro-1,3-butadiene	ug/L	ND	20.0	03/24/21 13:38	
Hexachlorobenzene	ug/L	ND	10.0	03/24/21 13:38	
Hexachlorocyclopentadiene	ug/L	ND	40.0	03/24/21 13:38	
Hexachloroethane	ug/L	ND	10.0	03/24/21 13:38	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	03/24/21 13:38	
Isophorone	ug/L	ND	10.0	03/24/21 13:38	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	03/24/21 13:38	
N-Nitrosodimethylamine	ug/L	ND	10.0	03/24/21 13:38	
N-Nitrosodiphenylamine	ug/L	ND	10.0	03/24/21 13:38	
Naphthalene	ug/L	ND	10.0	03/24/21 13:38	
Nitrobenzene	ug/L	ND	10.0	03/24/21 13:38	
Pentachlorophenol	ug/L	ND	40.0	03/24/21 13:38	
Phenanthrene	ug/L	ND	10.0	03/24/21 13:38	
Phenol	ug/L	ND	10.0	03/24/21 13:38	
Pyrene	ug/L	ND	10.0	03/24/21 13:38	
2,4,6-Tribromophenol (S)	%	93	25-145	03/24/21 13:38	
2-Fluorobiphenyl (S)	%	88	34-117	03/24/21 13:38	
2-Fluorophenol (S)	%	43	10-118	03/24/21 13:38	
Nitrobenzene-d5 (S)	%	94	33-120	03/24/21 13:38	
Phenol-d6 (S)	%	25	10-120	03/24/21 13:38	
Terphenyl-d14 (S)	%	88	24-133	03/24/21 13:38	

LABORATORY CONTROL SAMPLE: 1033807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	38.6	77	44-142	
1,2-Dichlorobenzene	ug/L	50	37.4	75	32-129	
1,2-Diphenylhydrazine	ug/L	50	46.2	92	36-126	
1,3-Dichlorobenzene	ug/L	50	35.1	70	0.1-172	
1,4-Dichlorobenzene	ug/L	50	35.4	71	20-124	
2,2'-Oxybis(1-chloropropane)	ug/L	50	43.8	88	36-166	
2,4,6-Trichlorophenol	ug/L	50	46.4	93	37-144	
2,4-Dichlorophenol	ug/L	50	44.6	89	39-135	
2,4-Dimethylphenol	ug/L	50	43.7	87	32-119	
2,4-Dinitrophenol	ug/L	50	36.1J	72	0.1-191	
2,4-Dinitrotoluene	ug/L	50	47.3	95	39-139	
2,6-Dinitrotoluene	ug/L	50	46.2	92	50-158	
2-Chloronaphthalene	ug/L	50	43.2	86	60-118	
2-Chlorophenol	ug/L	50	40.4	81	23-134	
2-Nitrophenol	ug/L	50	45.2	90	29-182	
3&4-Chloroaniline	ug/L	50	47.5	95	10-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

LABORATORY CONTROL SAMPLE: 1033807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3'-Dichlorobenzidine	ug/L	50	48.1	96	0.1-262	
4,6-Dinitro-2-methylphenol	ug/L	50	41.4	83	0.1-181	
4-Bromophenylphenyl ether	ug/L	50	46.0	92	53-127	
4-Chloro-3-methylphenol	ug/L	50	44.7	89	22-147	
4-Chlorophenylphenyl ether	ug/L	50	44.2	88	25-158	
4-Nitrophenol	ug/L	50	17.6J	35	0.1-132	
Acenaphthene	ug/L	50	44.2	88	47-145	
Acenaphthylene	ug/L	50	43.4	87	33-145	
Anthracene	ug/L	50	46.1	92	27-133	
Benzidine	ug/L	50	36.3	73	10-120	
Benzo(a)anthracene	ug/L	50	47.0	94	33-143	
Benzo(a)pyrene	ug/L	50	45.4	91	17-163	
Benzo(b)fluoranthene	ug/L	50	45.0	90	24-159	
Benzo(g,h,i)perylene	ug/L	50	48.7	97	0.1-219	
Benzo(k)fluoranthene	ug/L	50	47.7	95	11-162	
bis(2-Chloroethoxy)methane	ug/L	50	45.3	91	33-184	
bis(2-Chloroethyl) ether	ug/L	50	36.1	72	12-158	
bis(2-Ethylhexyl)phthalate	ug/L	50	45.3	91	8-158	
Butylbenzylphthalate	ug/L	50	45.1	90	0.1-152	
Chrysene	ug/L	50	45.2	90	17-168	
Di-n-butylphthalate	ug/L	50	47.6	95	1-118	
Di-n-octylphthalate	ug/L	50	45.1	90	4-146	
Dibenz(a,h)anthracene	ug/L	50	48.0	96	0.1-227	
Diethylphthalate	ug/L	50	47.4	95	0.1-114	
Dimethylphthalate	ug/L	50	46.5	93	0.1-112	
Fluoranthene	ug/L	50	47.5	95	26-137	
Fluorene	ug/L	50	44.6	89	59-121	
Hexachloro-1,3-butadiene	ug/L	50	29.5	59	24-116	
Hexachlorobenzene	ug/L	50	48.7	97	0.1-152	
Hexachlorocyclopentadiene	ug/L	50	23.5J	47	10-115	
Hexachloroethane	ug/L	50	30.9	62	40-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	50.0	100	0.1-171	
Isophorone	ug/L	50	45.9	92	21-196	
N-Nitroso-di-n-propylamine	ug/L	50	46.1	92	0.1-230	
N-Nitrosodimethylamine	ug/L	50	26.5	53	29-126	
N-Nitrosodiphenylamine	ug/L	50	47.3	95	10-146	
Naphthalene	ug/L	50	42.9	86	21-133	
Nitrobenzene	ug/L	50	45.9	92	35-180	
Pentachlorophenol	ug/L	50	46.6	93	14-176	
Phenanthrene	ug/L	50	46.9	94	54-120	
Phenol	ug/L	50	13.1	26	5-112	
Pyrene	ug/L	50	43.8	88	52-115	
2,4,6-Tribromophenol (S)	%			105	25-145	
2-Fluorobiphenyl (S)	%			95	34-117	
2-Fluorophenol (S)	%			49	10-118	
Nitrobenzene-d5 (S)	%			101	33-120	
Phenol-d6 (S)	%			30	10-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
Pace Project No.: 20194158

LABORATORY CONTROL SAMPLE: 1033807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Terphenyl-d14 (S)	%			69	24-133	

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

QC Batch: 220565 Analysis Method: SM 2340C
 QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20194158001

METHOD BLANK: 1036052 Matrix: Water
 Associated Lab Samples: 20194158001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness	mg/L	ND	5.0	03/30/21 09:06	

LABORATORY CONTROL SAMPLE: 1036053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness	mg/L	338	312	92	90-110	

SAMPLE DUPLICATE: 1036054

Parameter	Units	20193579002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	122	120	2	20	

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

QC Batch: 220027 Analysis Method: EPA 420.1
 QC Batch Method: EPA 420.1 Analysis Description: 420.1 Phenolics
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20194158001

METHOD BLANK: 1033680 Matrix: Water

Associated Lab Samples: 20194158001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/L	ND	0.020	03/23/21 18:27	

LABORATORY CONTROL SAMPLE: 1033681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/L	0.1	0.080	80	80-120	

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QUALITY CONTROL DATA

Project: Pollutants Scan 3/22/21
 Pace Project No.: 20194158

QC Batch: 220349 Analysis Method: SM 4500-CN-E
 QC Batch Method: SM 4500-CN-C Analysis Description: 4500CNE Cyanide, Total
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20194158001

METHOD BLANK: 1034963 Matrix: Water

Associated Lab Samples: 20194158001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.020	03/26/21 15:08	

LABORATORY CONTROL SAMPLE: 1034964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.1	0.096	96	80-120	

MATRIX SPIKE SAMPLE: 1034966

Parameter	Units	20194312001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	0.1	0.10	98	75-125	H3

SAMPLE DUPLICATE: 1034965

Parameter	Units	20194312001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	ND	ND		20	H3

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QUALIFIERS

Project: Pollutants Scan 3/22/21
Pace Project No.: 20194158

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

WORKORDER QUALIFIERS

WO: 20194158
[1] Report revised on 4/7/21 to expand the 624 and 625 lists.

BATCH QUALIFIERS

Batch: 220136
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

H3 Sample was received or analysis requested beyond the recognized method holding time.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
c3 Analysis of 2-chloroethyl vinyl ether was performed from a sample that was field preserved to pH < 2 with HCl. Acid preservation is not allowed for this parameter by the test method or for NPDES compliance per 40CFR Part 136.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pollutants Scan 3/22/21
Pace Project No.: 20194158

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20194158001	HSS WWTP-Effluent	EPA 1631E	380913	EPA 1631E	381093
20194158002	HSS WWTP-Effluent Blank	EPA 1631E	380913	EPA 1631E	381093
20194158001	HSS WWTP-Effluent	EPA 200.7	220055	EPA 200.7	220131
20194158001	HSS WWTP-Effluent	EPA 245.2	220059	EPA 245.2	220166
20194158001	HSS WWTP-Effluent	EPA 625	220062	EPA 625	220136
20194158001	HSS WWTP-Effluent	EPA 624	220130		
20194158001	HSS WWTP-Effluent	SM 2340C	220565		
20194158001	HSS WWTP-Effluent	EPA 420.1	220027	EPA 420.1	220048
20194158001	HSS WWTP-Effluent	SM 4500-CN-C	220349	SM 4500-CN-E	220393

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

4320 Aldmost Dr Mobile AL 36609

WO#: 20194158

PM: MKB Due Date: 03/31/21
CLIENT: MO-N. Baldwin

Project #: _____

Courier: Pace Client FedEx UPS Other Tracking # _____

Custody Seal on Cooler/Box Present: [see COC] Custody Seals intact: Yes No

Thermometer Used: Therm Fisher IR 001 Other:

Type of Ice: Wet Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Date and Initials of person examining contents: MAS 3/22/21

Temp must be measured from temperature blank when present

Comments:

Temperature Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	1	
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2	
Chain of Custody Complete:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4	
Sampler Name on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5	
Short Hold Time Analyses (<72 hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6	
Rush Turn Around Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10	
Filtered vol. Rec. for Diss. tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12	
All containers received within manufacturer's precautionary and/or expiration dates:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13	
All containers needing chemical preservation have been checked (except VOA, micro, & O&G):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14	
All containers preservation checked found to be in compliance with EPA recommendation:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15	If No, was preservative added? <input type="checkbox"/> Yes <input type="checkbox"/> No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	17	

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____



July 14, 2022

James Dean
North Baldwin Utilities
25 Hand Ave
Bay Minette, AL 36507

RE: Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

Dear James Dean:

Enclosed are the analytical results for sample(s) received by the laboratory on June 30, 2022. The results relate only to the samples included in this report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay
- Pace Analytical Services - Minneapolis
- Pace Analytical Services - Mobile Labs
- Pace Analytical Services - New Orleans

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mary Kathryn Brenner
marykathryn.brenner@pacelabs.com
251-344-9106
Project Manager

Enclosures

cc: Jeff Donald
Clayton Dyess, North Baldwin Utilities
Jason Padgett

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas VVW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky VVW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina VVW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 0025721
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006

Texas Commission on Env. Quality (NELAC): T104704405-09-TX
U.S. Dept. of Agriculture Foreign Soil Import: P330-10-00119

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150

Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9106

CERTIFICATIONS

Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

Pace Analytical Services Mobile
4320 Midmost Drive, Mobile, AL 36609

Alabama Certification #: 40810

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9106

SAMPLE SUMMARY

Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20248416001	Pollutant Scan	Water	06/30/22 12:20	06/30/22 15:22

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SAMPLE ANALYTE COUNT

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20248416001	Pollutant Scan	EPA 1631E	LMS	1	PASI-G
		EPA 200.8	FC1	12	PASI-N
		EPA 245.2	AJS	1	PASI-N
		SM 9222D	MAS	1	PASI-MO
		Enterolert/Quanti-Tray	MAS	1	PASI-MO
		EPA 625.1	JNG	71	PASI-M
		EPA 624.1	SLK	36	PASI-N
		EPA 1664B, 2010	TMO	1	PASI-N
		SM 2340C	JLH	1	PASI-N
		SM 2540C 2011	TNW	1	PASI-N
		SM 2540D 2011	GGG1	1	PASI-N
		SM 5210B	DWR	1	PASI-N
		EPA 351.2	NTG	1	PASI-N
		SM 4500-NH3 G	ABW	1	PASI-N
		SM 4500-NO3 F	NTG	1	PASI-N
		SM 4500-CN-E	DWR	1	PASI-N
		SM 4500-NO3 F	ABW	1	PASI-N
EPA 9065	DWR	1	PASI-N		
SM 4500-P F	KEO	1	PASI-M		

PASI-G = Pace Analytical Services - Green Bay
 PASI-M = Pace Analytical Services - Minneapolis
 PASI-MO = Pace Analytical Services - Mobile Labs
 PASI-N = Pace Analytical Services - New Orleans

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ANALYTICAL RESULTS

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

Sample: Pollutant Scan	Lab ID: 20248416001	Collected: 06/30/22 12:20	Received: 06/30/22 15:22	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1631E Mercury, Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E Pace Analytical Services - Green Bay							
Mercury	0.00280	ug/L	0.00050	1	07/05/22 09:21	07/07/22 11:27	7439-97-6	
200.8 Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - New Orleans							
Antimony	ND	ug/L	1.0	1	07/05/22 08:05	07/07/22 01:13	7440-36-0	
Arsenic	ND	ug/L	1.0	1	07/05/22 08:05	07/07/22 01:13	7440-38-2	
Beryllium	ND	ug/L	0.50	1	07/05/22 08:05	07/07/22 16:50	7440-41-7	
Cadmium	ND	ug/L	1.0	1	07/05/22 08:05	07/07/22 01:13	7440-43-9	
Chromium	ND	ug/L	1.0	1	07/05/22 08:05	07/07/22 01:13	7440-47-3	
Copper	6.3	ug/L	3.0	1	07/05/22 08:05	07/07/22 01:13	7440-50-8	
Lead	ND	ug/L	1.0	1	07/05/22 08:05	07/07/22 01:13	7439-92-1	
Nickel	ND	ug/L	1.0	1	07/05/22 08:05	07/07/22 01:13	7440-02-0	
Selenium	ND	ug/L	1.0	1	07/05/22 08:05	07/07/22 01:13	7782-49-2	
Silver	ND	ug/L	0.50	1	07/05/22 08:05	07/07/22 01:13	7440-22-4	
Thallium	ND	ug/L	0.50	1	07/05/22 08:05	07/07/22 01:13	7440-28-0	
Zinc	34.9	ug/L	5.0	1	07/05/22 08:05	07/07/22 01:13	7440-66-6	
245.2 Mercury	Analytical Method: EPA 245.2 Preparation Method: EPA 245.2 Pace Analytical Services - New Orleans							
Mercury	ND	ug/L	0.20	1	07/06/22 07:15	07/06/22 11:13	7439-97-6	
MOB 9222D Fecal Coll by MF	Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Mobile Labs							
Fecal Coliforms	TNTC	CFU/100 mL	1.0	1	06/30/22 15:30	07/01/22 14:50		N2
MOB Enterolert/Quanti-Tray	Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray Pace Analytical Services - Mobile Labs							
Enterococci	27.8	MPN/100mL	1.0	1	06/30/22 16:00	07/01/22 16:00		N2
625.1 RV MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 Pace Analytical Services - Minneapolis							
Acenaphthene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	208-96-8	
Anthracene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	101-55-3	L2
Butylbenzylphthalate	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	85-68-7	
Carbazole	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	86-74-8	N2
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	106-47-8	L2,N2
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	111-91-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

Sample: Pollutant Scan	Lab ID: 20248416001	Collected: 06/30/22 12:20	Received: 06/30/22 15:22	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 RV MSSV								
Analytical Method: EPA 625.1 Preparation Method: EPA 625.1								
Pace Analytical Services - Minneapolis								
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	108-60-1	L2
2-Chloronaphthalene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	91-58-7	L2
2-Chlorophenol	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	7005-72-3	
Chrysene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	132-64-9	N2
1,2-Dichlorobenzene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	95-50-1	N2
1,3-Dichlorobenzene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	541-73-1	N2
1,4-Dichlorobenzene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	106-46-7	N2
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	534-52-1	
2,4-Dinitrophenol	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	117-84-0	
1,2-Diphenylhydrazine	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	122-66-7	N2
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	117-81-7	
Fluoranthene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	206-44-0	
Fluorene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	86-73-7	L2
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	87-88-3	
Hexachlorobenzene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	118-74-1	
Hexachloroethane	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	193-39-5	
Isophorone	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	91-57-6	N2
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	95-48-7	N2
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19		N2
Naphthalene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	91-20-3	
2-Nitroaniline	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	88-74-4	N2
3-Nitroaniline	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	99-09-2	N2
4-Nitroaniline	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	100-01-6	N2
Nitrobenzene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	88-75-5	
4-Nitrophenol	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	621-84-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	86-30-6	
Pentachlorophenol	ND	ug/L	20.0	1	07/05/22 13:41	07/11/22 19:19	87-86-5	
Phenanthrene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	85-01-8	L2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

Sample:	Pollutant Scan	Lab ID:	20248416001	Collected:	06/30/22 12:20	Received:	06/30/22 15:22	Matrix:	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
625.1 RV MSSV									
Analytical Method: EPA 625.1 Preparation Method: EPA 625.1									
Pace Analytical Services - Minneapolis									
Phenol	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	108-95-2		
Pyrene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	129-00-0	L2	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	120-82-1	L2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	07/05/22 13:41	07/11/22 19:19	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	76	%	39-125	1	07/05/22 13:41	07/11/22 19:19	4165-60-0	C6	
2-Fluorobiphenyl (S)	64	%	30-125	1	07/05/22 13:41	07/11/22 19:19	321-60-8		
p-Terphenyl-d14 (S)	90	%	65-128	1	07/05/22 13:41	07/11/22 19:19	1718-51-0		
Phenol-d6 (S)	46	%	10-125	1	07/05/22 13:41	07/11/22 19:19	13127-88-3		
2-Fluorophenol (S)	62	%	30-125	1	07/05/22 13:41	07/11/22 19:19	367-12-4		
2,4,6-Tribromophenol (S)	79	%	32-125	1	07/05/22 13:41	07/11/22 19:19	118-79-6		
624 Volatile Organics									
Analytical Method: EPA 624.1									
Pace Analytical Services - New Orleans									
Acrolein	ND	ug/L	20.0	1		07/05/22 14:01	107-02-8	AC	
Acrylonitrile	ND	ug/L	20.0	1		07/05/22 14:01	107-13-1	AC	
Benzene	ND	ug/L	5.0	1		07/05/22 14:01	71-43-2		
Bromodichloromethane	ND	ug/L	5.0	1		07/05/22 14:01	75-27-4		
Bromoform	ND	ug/L	5.0	1		07/05/22 14:01	75-25-2		
Bromomethane	ND	ug/L	5.0	1		07/05/22 14:01	74-83-9		
Carbon tetrachloride	ND	ug/L	5.0	1		07/05/22 14:01	56-23-5		
Chlorobenzene	ND	ug/L	5.0	1		07/05/22 14:01	108-90-7		
Chloroethane	ND	ug/L	5.0	1		07/05/22 14:01	75-00-3		
2-Chloroethylvinyl ether	ND	ug/L	20.0	1		07/05/22 14:01	110-75-8	c3	
Chloroform	ND	ug/L	5.0	1		07/05/22 14:01	67-66-3		
Chloromethane	ND	ug/L	5.0	1		07/05/22 14:01	74-87-3		
Dibromochloromethane	ND	ug/L	5.0	1		07/05/22 14:01	124-48-1		
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/05/22 14:01	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/05/22 14:01	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/05/22 14:01	108-46-7		
1,1-Dichloroethane	ND	ug/L	5.0	1		07/05/22 14:01	75-34-3		
1,2-Dichloroethane	ND	ug/L	5.0	1		07/05/22 14:01	107-06-2		
1,1-Dichloroethene	ND	ug/L	5.0	1		07/05/22 14:01	75-35-4		
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/05/22 14:01	158-60-5		
1,2-Dichloropropane	ND	ug/L	5.0	1		07/05/22 14:01	78-87-5		
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/05/22 14:01	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/05/22 14:01	10061-02-6		
Ethylbenzene	ND	ug/L	5.0	1		07/05/22 14:01	100-41-4		
Methylene Chloride	ND	ug/L	5.0	1		07/05/22 14:01	75-09-2		
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/05/22 14:01	79-34-5		
Tetrachloroethene	ND	ug/L	5.0	1		07/05/22 14:01	127-18-4		
Toluene	ND	ug/L	5.0	1		07/05/22 14:01	108-88-3		
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/05/22 14:01	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/05/22 14:01	79-00-5		
Trichloroethene	ND	ug/L	5.0	1		07/05/22 14:01	79-01-6		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

Sample: Pollutant Scan	Lab ID: 20248416001	Collected: 06/30/22 12:20	Received: 06/30/22 15:22	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624.1 Pace Analytical Services - New Orleans							
Trichlorofluoromethane	ND	ug/L	5.0	1		07/05/22 14:01	75-69-4	
Vinyl chloride	ND	ug/L	5.0	1		07/05/22 14:01	75-01-4	
Surrogates								
4-Bromofluorobenzene (S)	94	%	82-118	1		07/05/22 14:01	460-00-4	
Toluene-d8 (S)	100	%	81-120	1		07/05/22 14:01	2037-26-5	
Dibromofluoromethane (S)	115	%	77-123	1		07/05/22 14:01	1868-53-7	
HEM, Oil and Grease	Analytical Method: EPA 1664B, 2010 Pace Analytical Services - New Orleans							
Oil and Grease	ND	mg/L	5.0	1		07/07/22 10:39		
2340C Hardness, Total	Analytical Method: SM 2340C Pace Analytical Services - New Orleans							
Total Hardness	46.0	mg/L	5.0	1		07/11/22 14:45		
2540C Total Dissolved Solids	Analytical Method: SM 2540C 2011 Pace Analytical Services - New Orleans							
Total Dissolved Solids	110	mg/L	10.0	1		07/04/22 10:29		
2540D Total Suspended Solids	Analytical Method: SM 2540D 2011 Pace Analytical Services - New Orleans							
Total Suspended Solids	14.0	mg/L	4.0	1		07/06/22 06:17		
5210B cBOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B Pace Analytical Services - New Orleans							
Carbonaceous BOD, 5 day	ND	mg/L	3.0	3	07/02/22 11:02	07/07/22 09:54		H2,L2
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 Pace Analytical Services - New Orleans							
Nitrogen, Kjeldahl, Total	1.0	mg/L	0.10	1	07/06/22 15:00	07/07/22 10:56	7727-37-9	
4500 Ammonia Water	Analytical Method: SM 4500-NH3 G Pace Analytical Services - New Orleans							
Nitrogen, Ammonia	ND	mg/L	0.10	1		07/06/22 14:33	7664-41-7	
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO3 F Pace Analytical Services - New Orleans							
Nitrite as N	ND	mg/L	0.050	1		07/01/22 14:15	14797-65-0	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E Preparation Method: SM 4500-CN-C Pace Analytical Services - New Orleans							
Cyanide	ND	mg/L	0.020	1	07/07/22 09:17	07/07/22 10:44	57-12-5	

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ANALYTICAL RESULTS

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

Sample: Pollutant Scan	Lab ID: 20248416001	Collected: 06/30/22 12:20	Received: 06/30/22 15:22	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500NO3-F, NO3-NO2	Analytical Method: SM 4500-NO3 F Pace Analytical Services - New Orleans							
Nitrogen, NO2 plus NO3	7.1	mg/L	0.50	10		07/07/22 11:53		
9065 Phenolics, Total	Analytical Method: EPA 9065 Preparation Method: EPA 9065 Pace Analytical Services - New Orleans							
Phenolics, Total Recoverable	ND	mg/L	0.020	1	07/06/22 08:45	07/06/22 10:36	64743-03-9	
SM4500P-F, Total Phosphorus	Analytical Method: SM 4500-P F Preparation Method: SM 4500-P B Pace Analytical Services - Minneapolis							
Phosphorus	1.8	mg/L	0.10	1	07/10/22 10:45	07/11/22 10:00	7723-14-0	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

QC Batch: 420045 Analysis Method: EPA 1631E
QC Batch Method: EPA 1631E Analysis Description: 1631E Mercury
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 20248416001

METHOD BLANK: 2419061 Matrix: Water
Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.00050	07/07/22 09:36	

METHOD BLANK: 2419062 Matrix: Water
Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.00050	07/07/22 11:08	

METHOD BLANK: 2419063 Matrix: Water
Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.00050	07/07/22 12:33	

METHOD BLANK: 2419064 Matrix: Water
Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.00053	07/07/22 09:42	

LABORATORY CONTROL SAMPLE & LCSD: 2419065 2419066

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	ug/L	0.005	0.00503	0.00493	101	99	79-121	2	21	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2420561 2420562

Parameter	Units	40247427001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Mercury	ug/L	1.76 ng/L	0.002	0.002	0.00375	0.00356	100	90	75-125	5	24

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		2420563			2420564							
Parameter	Units	40247428001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.782 ng/L	0.002	0.002	0.00268	0.00254	95	88	75-125	5	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		2420565			2420566							
Parameter	Units	40247266002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	58.9 ng/L	0.0842	0.0842	0.130	0.131	84	86	75-125	1	24	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 259790 Analysis Method: EPA 245.2
 QC Batch Method: EPA 245.2 Analysis Description: 245.2 Mercury
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20248416001

METHOD BLANK: 1239144 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	07/06/22 10:54	

LABORATORY CONTROL SAMPLE: 1239145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	104	80-120	

MATRIX SPIKE SAMPLE: 1239147

Parameter	Units	20248326005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	1	1.0	100	75-125	

SAMPLE DUPLICATE: 1239146

Parameter	Units	20248326005 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 259583 Analysis Method: SM 9222D
 QC Batch Method: SM 9222D Analysis Description: MOB 9222D Fecal Coli by MF
 Laboratory: Pace Analytical Services - Mobile Labs

Associated Lab Samples: 20248416001

METHOD BLANK: 1238165 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	<1	1.0	07/01/22 14:50	N2

SAMPLE DUPLICATE: 1238166

Parameter	Units	20248375001 Result	Dup Result	RPD	Max RPD	Qualifiers
Fecal Coliforms	CFU/100 mL	11800	13100			N2

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22

Pace Project No.: 20248416

QC Batch: 259596	Analysis Method: Enterolert/Quanti-Tray
QC Batch Method: Enterolert/Quanti-Tray	Analysis Description: MOB Enterolert/Quanti-Tray
Associated Lab Samples: 20248416001	Laboratory: Pace Analytical Services - Mobile Labs

METHOD BLANK: 1238232 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	07/01/22 16:00	N2

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 259759 Analysis Method: EPA 200.8
 QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET
 Laboratory: Pace Analytical Services - New Orleans
 Associated Lab Samples: 20248416001

METHOD BLANK: 1239047 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	1.0	07/06/22 16:09	
Arsenic	ug/L	ND	1.0	07/06/22 16:09	
Beryllium	ug/L	ND	0.50	07/06/22 16:09	
Cadmium	ug/L	ND	1.0	07/06/22 16:09	
Chromium	ug/L	ND	1.0	07/06/22 16:09	
Copper	ug/L	ND	3.0	07/06/22 16:09	
Lead	ug/L	ND	1.0	07/06/22 16:09	
Nickel	ug/L	ND	1.0	07/06/22 16:09	
Selenium	ug/L	ND	1.0	07/06/22 16:09	
Silver	ug/L	ND	0.50	07/06/22 16:09	
Thallium	ug/L	ND	0.50	07/06/22 16:09	
Zinc	ug/L	ND	5.0	07/06/22 16:09	

LABORATORY CONTROL SAMPLE: 1239048

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	60	57.6	96	85-115	
Arsenic	ug/L	60	57.5	96	85-115	
Beryllium	ug/L	60	58.1	97	85-115	
Cadmium	ug/L	60	57.7	96	85-115	
Chromium	ug/L	60	57.2	95	85-115	
Copper	ug/L	60	58.5	97	85-115	
Lead	ug/L	60	56.7	94	85-115	
Nickel	ug/L	60	56.7	95	85-115	
Selenium	ug/L	60	54.5	91	85-115	
Silver	ug/L	30	29.6	99	85-115	
Thallium	ug/L	30	28.6	95	85-115	
Zinc	ug/L	60	58.9	98	85-115	

MATRIX SPIKE SAMPLE: 1239050

Parameter	Units	20248473001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	60	57.4	96	70-130	
Arsenic	ug/L	ND	60	58.7	97	70-130	
Beryllium	ug/L	ND	60	57.2	95	70-130	
Cadmium	ug/L	ND	60	57.1	95	70-130	
Chromium	ug/L	14.1	60	72.6	97	70-130	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

MATRIX SPIKE SAMPLE: 1239050

Parameter	Units	20248473001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	ND	60	58.4	94	70-130	
Lead	ug/L	ND	60	59.0	98	70-130	
Nickel	ug/L	109	60	174	108	70-130	
Selenium	ug/L	ND	60	58.1	93	70-130	
Silver	ug/L	ND	30	27.5	92	70-130	
Thallium	ug/L	ND	30	29.3	97	70-130	
Zinc	ug/L	86.0	60	150	106	70-130	

SAMPLE DUPLICATE: 1239049

Parameter	Units	20248473001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		20	
Arsenic	ug/L	ND	ND		20	
Beryllium	ug/L	ND	ND		20	
Cadmium	ug/L	ND	ND		20	
Chromium	ug/L	14.1	14.9	5	20	
Copper	ug/L	ND	ND		20	
Lead	ug/L	ND	ND		20	
Nickel	ug/L	109	113	4	20	
Selenium	ug/L	ND	1.6J		20	
Silver	ug/L	ND	ND		20	
Thallium	ug/L	ND	ND		20	
Zinc	ug/L	86.0	89.4	4	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 259764 Analysis Method: EPA 624.1
 QC Batch Method: EPA 624.1 Analysis Description: 624 MSV
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20248416001

METHOD BLANK: 1239069 Matrix: Water

Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	07/05/22 10:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	07/05/22 10:48	
1,1,2-Trichloroethane	ug/L	ND	5.0	07/05/22 10:48	
1,1-Dichloroethane	ug/L	ND	5.0	07/05/22 10:48	
1,1-Dichloroethene	ug/L	ND	5.0	07/05/22 10:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/05/22 10:48	
1,2-Dichloroethane	ug/L	ND	5.0	07/05/22 10:48	
1,2-Dichloropropane	ug/L	ND	5.0	07/05/22 10:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	07/05/22 10:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	07/05/22 10:48	
2-Chloroethylvinyl ether	ug/L	ND	20.0	07/05/22 10:48	
Acrolein	ug/L	ND	20.0	07/05/22 10:48	
Acrylonitrile	ug/L	ND	20.0	07/05/22 10:48	
Benzene	ug/L	ND	5.0	07/05/22 10:48	
Bromodichloromethane	ug/L	ND	5.0	07/05/22 10:48	
Bromoform	ug/L	ND	5.0	07/05/22 10:48	
Bromomethane	ug/L	ND	5.0	07/05/22 10:48	
Carbon tetrachloride	ug/L	ND	5.0	07/05/22 10:48	
Chlorobenzene	ug/L	ND	5.0	07/05/22 10:48	
Chloroethane	ug/L	ND	5.0	07/05/22 10:48	
Chloroform	ug/L	ND	5.0	07/05/22 10:48	
Chloromethane	ug/L	ND	5.0	07/05/22 10:48	
cis-1,3-Dichloropropene	ug/L	ND	5.0	07/05/22 10:48	
Dibromochloromethane	ug/L	ND	5.0	07/05/22 10:48	
Ethylbenzene	ug/L	ND	5.0	07/05/22 10:48	
Methylene Chloride	ug/L	ND	5.0	07/05/22 10:48	
Tetrachloroethene	ug/L	ND	5.0	07/05/22 10:48	
Toluene	ug/L	ND	5.0	07/05/22 10:48	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/05/22 10:48	
trans-1,3-Dichloropropene	ug/L	ND	5.0	07/05/22 10:48	
Trichloroethene	ug/L	ND	5.0	07/05/22 10:48	
Trichlorofluoromethane	ug/L	ND	5.0	07/05/22 10:48	
Vinyl chloride	ug/L	ND	5.0	07/05/22 10:48	
4-Bromofluorobenzene (S)	%	97	82-118	07/05/22 10:48	
Dibromofluoromethane (S)	%	113	77-123	07/05/22 10:48	
Toluene-d8 (S)	%	100	81-120	07/05/22 10:48	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

LABORATORY CONTROL SAMPLE: 1239070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	16.1	80	76-123	
1,1,2,2-Tetrachloroethane	ug/L	20	21.8	109	64-131	
1,1,2-Trichloroethane	ug/L	20	22.0	110	76-118	
1,1-Dichloroethane	ug/L	20	16.6	83	69-125	
1,1-Dichloroethene	ug/L	20	13.8	69	63-122	
1,2-Dichlorobenzene	ug/L	20	21.4	107	80-113	
1,2-Dichloroethane	ug/L	20	18.5	93	64-127	
1,2-Dichloropropane	ug/L	20	18.2	91	68-125	
1,3-Dichlorobenzene	ug/L	20	21.5	108	79-112	
1,4-Dichlorobenzene	ug/L	20	21.6	108	79-113	
2-Chloroethylvinyl ether	ug/L	20	16.4J	82	52-138	
Acrolein	ug/L	100	68.2	68	10-164	
Acrylonitrile	ug/L	20	16.7J	83	48-145	
Benzene	ug/L	20	17.1	86	72-131	
Bromodichloromethane	ug/L	20	18.3	91	72-117	
Bromoform	ug/L	20	18.5	93	58-124	
Bromomethane	ug/L	20	29.7	148	39-163	
Carbon tetrachloride	ug/L	20	16.2	81	73-121	
Chlorobenzene	ug/L	20	22.7	113	77-119	
Chloroethane	ug/L	20	30.1	151	36-155	
Chloroform	ug/L	20	18.1	90	69-115	
Chloromethane	ug/L	20	23.2	116	30-148	
cis-1,3-Dichloropropene	ug/L	20	16.8	84	70-120	
Dibromochloromethane	ug/L	20	19.8	99	63-120	
Ethylbenzene	ug/L	20	21.6	108	81-110	
Methylene Chloride	ug/L	20	15.1	76	58-136	
Tetrachloroethene	ug/L	20	21.1	105	68-126	
Toluene	ug/L	20	17.9	89	80-116	
trans-1,2-Dichloroethene	ug/L	20	14.7	73	60-126	
trans-1,3-Dichloropropene	ug/L	20	18.3	92	71-120	
Trichloroethene	ug/L	20	18.6	93	76-113	
Trichlorofluoromethane	ug/L	20	21.2	106	27-166	
Vinyl chloride	ug/L	20	20.5	102	45-126	
4-Bromofluorobenzene (S)	%			97	82-118	
Dibromofluoromethane (S)	%			105	77-123	
Toluene-d8 (S)	%			97	81-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1239071 1239072

Parameter	Units	20248335001		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
1,1,1-Trichloroethane	ug/L	ND	20	20	18.4	22.1	92	110	76-141	18	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	16.3	20.0	81	100	60-144	20	20	
1,1,2-Trichloroethane	ug/L	ND	20	20	17.0	20.4	85	102	72-132	18	20	
1,1-Dichloroethane	ug/L	ND	20	20	18.2	21.7	91	109	67-139	18	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1239071		1239072		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		20248335001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,1-Dichloroethene	ug/L	ND	20	20	17.8	20.7	89	103	62-139	15	20	
1,2-Dichlorobenzene	ug/L	ND	20	20	16.2	20.1	81	100	77-129	21	20	R1
1,2-Dichloroethane	ug/L	ND	20	20	18.3	22.1	92	110	63-139	19	20	
1,2-Dichloropropane	ug/L	ND	20	20	16.3	19.6	81	98	68-137	18	20	
1,3-Dichlorobenzene	ug/L	ND	20	20	17.3	20.5	86	103	76-128	17	20	
1,4-Dichlorobenzene	ug/L	ND	20	20	17.0	20.2	85	101	76-128	17	20	
2-Chloroethylvinyl ether	ug/L	ND	20	20	ND	ND	0	0	10-156		20	M1
Acrolein	ug/L	ND	100	100	83.9	82.2	84	82	10-200	2	20	
Acrylonitrile	ug/L	ND	20	20	15.5J	21.2	77	106	31-177		20	
Benzene	ug/L	ND	20	20	18.3	21.6	91	108	52-167	17	20	
Bromodichloromethane	ug/L	ND	20	20	16.3	19.2	82	96	70-131	16	20	
Bromoform	ug/L	ND	20	20	14.7	17.3	74	87	58-134	16	20	
Bromomethane	ug/L	ND	20	20	34.1	33.6	171	168	36-177	2	20	
Carbon tetrachloride	ug/L	ND	20	20	19.6	22.6	98	113	67-143	14	20	
Chlorobenzene	ug/L	ND	20	20	18.7	21.7	93	108	73-135	15	20	
Chloroethane	ug/L	ND	20	20	35.7	36.4	179	182	35-172	2	20	M1
Chloroform	ug/L	ND	20	20	18.4	21.6	92	108	65-131	16	20	
Chloromethane	ug/L	ND	20	20	23.7	26.9	119	135	27-168	13	20	
cis-1,3-Dichloropropene	ug/L	ND	20	20	15.1	18.0	75	90	67-139	18	20	
Dibromochloromethane	ug/L	ND	20	20	15.8	18.7	79	93	60-134	16	20	
Ethylbenzene	ug/L	ND	20	20	18.0	21.4	90	107	75-130	17	20	
Methylene Chloride	ug/L	ND	20	20	17.4	19.8	87	99	60-138	13	20	
Tetrachloroethene	ug/L	ND	20	20	18.9	22.3	94	111	65-146	17	20	
Toluene	ug/L	ND	20	20	16.5	19.4	83	97	32-181	16	20	
trans-1,2-Dichloroethene	ug/L	ND	20	20	17.2	19.9	86	100	64-139	15	20	
trans-1,3-Dichloropropene	ug/L	ND	20	20	15.9	18.7	80	93	69-133	16	20	
Trichloroethene	ug/L	ND	20	20	18.4	21.4	92	107	73-132	15	20	
Trichlorofluoromethane	ug/L	ND	20	20	27.9	27.8	139	139	24-189	0	20	
Vinyl chloride	ug/L	ND	20	20	25.8	24.8	129	124	47-145	4	20	
4-Bromofluorobenzene (S)	%						95	98	82-118			
Dibromofluoromethane (S)	%						114	115	77-123			
Toluene-d8 (S)	%						99	100	81-120			

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 825982 Analysis Method: EPA 625.1
 QC Batch Method: EPA 625.1 Analysis Description: 625.1 RV MSSV
 Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 20248416001

METHOD BLANK: 4375125 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	07/11/22 18:28	
1,2-Dichlorobenzene	ug/L	ND	10.0	07/11/22 18:28	N2
1,2-Diphenylhydrazine	ug/L	ND	10.0	07/11/22 18:28	N2
1,3-Dichlorobenzene	ug/L	ND	10.0	07/11/22 18:28	N2
1,4-Dichlorobenzene	ug/L	ND	10.0	07/11/22 18:28	N2
2,4,5-Trichlorophenol	ug/L	ND	10.0	07/11/22 18:28	
2,4,6-Trichlorophenol	ug/L	ND	10.0	07/11/22 18:28	
2,4-Dichlorophenol	ug/L	ND	10.0	07/11/22 18:28	
2,4-Dimethylphenol	ug/L	ND	10.0	07/11/22 18:28	
2,4-Dinitrophenol	ug/L	ND	10.0	07/11/22 18:28	
2,4-Dinitrotoluene	ug/L	ND	10.0	07/11/22 18:28	
2,6-Dinitrotoluene	ug/L	ND	10.0	07/11/22 18:28	
2-Chloronaphthalene	ug/L	ND	10.0	07/11/22 18:28	
2-Chlorophenol	ug/L	ND	10.0	07/11/22 18:28	
2-Methylnaphthalene	ug/L	ND	10.0	07/11/22 18:28	N2
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	07/11/22 18:28	N2
2-Nitroaniline	ug/L	ND	10.0	07/11/22 18:28	N2
2-Nitrophenol	ug/L	ND	10.0	07/11/22 18:28	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	07/11/22 18:28	N2
3,3'-Dichlorobenzidine	ug/L	ND	10.0	07/11/22 18:28	
3-Nitroaniline	ug/L	ND	10.0	07/11/22 18:28	N2
4,6-Dinitro-2-methylphenol	ug/L	ND	10.0	07/11/22 18:28	
4-Bromophenylphenyl ether	ug/L	ND	10.0	07/11/22 18:28	
4-Chloro-3-methylphenol	ug/L	ND	10.0	07/11/22 18:28	
4-Chloroaniline	ug/L	ND	10.0	07/11/22 18:28	N2
4-Chlorophenylphenyl ether	ug/L	ND	10.0	07/11/22 18:28	
4-Nitroaniline	ug/L	ND	10.0	07/11/22 18:28	N2
4-Nitrophenol	ug/L	ND	10.0	07/11/22 18:28	
Acenaphthene	ug/L	ND	10.0	07/11/22 18:28	
Acenaphthylene	ug/L	ND	10.0	07/11/22 18:28	
Anthracene	ug/L	ND	10.0	07/11/22 18:28	
Benzo(a)anthracene	ug/L	ND	10.0	07/11/22 18:28	
Benzo(a)pyrene	ug/L	ND	10.0	07/11/22 18:28	
Benzo(b)fluoranthene	ug/L	ND	10.0	07/11/22 18:28	
Benzo(g,h,i)perylene	ug/L	ND	10.0	07/11/22 18:28	
Benzo(k)fluoranthene	ug/L	ND	10.0	07/11/22 18:28	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	07/11/22 18:28	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	07/11/22 18:28	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	07/11/22 18:28	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	07/11/22 18:28	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

METHOD BLANK: 4375125 Matrix: Water
Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	10.0	07/11/22 18:28	
Carbazole	ug/L	ND	10.0	07/11/22 18:28	N2
Chrysene	ug/L	ND	10.0	07/11/22 18:28	
Di-n-butylphthalate	ug/L	ND	10.0	07/11/22 18:28	
Di-n-octylphthalate	ug/L	ND	10.0	07/11/22 18:28	
Dibenz(a,h)anthracene	ug/L	ND	10.0	07/11/22 18:28	
Dibenzofuran	ug/L	ND	10.0	07/11/22 18:28	N2
Diethylphthalate	ug/L	ND	10.0	07/11/22 18:28	
Dimethylphthalate	ug/L	ND	10.0	07/11/22 18:28	
Fluoranthene	ug/L	ND	10.0	07/11/22 18:28	
Fluorene	ug/L	ND	10.0	07/11/22 18:28	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	07/11/22 18:28	
Hexachlorobenzene	ug/L	ND	10.0	07/11/22 18:28	
Hexachloroethane	ug/L	ND	10.0	07/11/22 18:28	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	07/11/22 18:28	
Isophorone	ug/L	ND	10.0	07/11/22 18:28	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	07/11/22 18:28	
N-Nitrosodimethylamine	ug/L	ND	10.0	07/11/22 18:28	
N-Nitrosodiphenylamine	ug/L	ND	10.0	07/11/22 18:28	
Naphthalene	ug/L	ND	10.0	07/11/22 18:28	
Nitrobenzene	ug/L	ND	10.0	07/11/22 18:28	
Pentachlorophenol	ug/L	ND	20.0	07/11/22 18:28	
Phenanthrene	ug/L	ND	10.0	07/11/22 18:28	
Phenol	ug/L	ND	10.0	07/11/22 18:28	
Pyrene	ug/L	ND	10.0	07/11/22 18:28	
2,4,6-Tribromophenol (S)	%	35	32-125	07/11/22 18:28	
2-Fluorobiphenyl (S)	%	0	30-125	07/11/22 18:28	S0
2-Fluorophenol (S)	%	0	30-125	07/11/22 18:28	S0
Nitrobenzene-d5 (S)	%	0	39-125	07/11/22 18:28	S0
p-Terphenyl-d14 (S)	%	75	65-128	07/11/22 18:28	
Phenol-d6 (S)	%	0	10-125	07/11/22 18:28	S0

LABORATORY CONTROL SAMPLE & LCSD: 4375126		4375127								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	24.3	26.5	49	53	57-130	9	20	L2
1,2-Dichlorobenzene	ug/L	50	21.9	22.9	44	46	30-125	5	20	N2
1,2-Diphenylhydrazine	ug/L	50	39.3	34.2	79	68	45-125	14	20	N2
1,3-Dichlorobenzene	ug/L	50	20.8	20.6	42	41	30-125	1	20	N2
1,4-Dichlorobenzene	ug/L	50	23.1	23.4	46	47	30-125	2	20	N2
2,4,5-Trichlorophenol	ug/L	50	42.5	41.8	85	84	34-134	2	20	
2,4,6-Trichlorophenol	ug/L	50	41.0	42.1	82	84	52-129	3	20	
2,4-Dichlorophenol	ug/L	50	38.0	40.5	76	81	53-122	7	20	
2,4-Dimethylphenol	ug/L	50	33.6	38.2	67	76	42-120	13	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22

Pace Project No.: 20248416

Parameter	Units	4375126		4375127		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec						
2,4-Dinitrophenol	ug/L	50	33.0	39.3	66	79	30-173	17	20		
2,4-Dinitrotoluene	ug/L	50	42.3	43.6	85	87	48-127	3	20		
2,6-Dinitrotoluene	ug/L	50	43.0	44.5	86	89	68-137	3	20		
2-Chloronaphthalene	ug/L	50	31.0	29.1	62	58	65-120	7	20	L2	
2-Chlorophenol	ug/L	50	34.1	36.2	68	72	36-120	6	20		
2-Methylnaphthalene	ug/L	50	27.5	46.4	55	93	30-125	51	20	N2,R1	
2-Methylphenol(o-Cresol)	ug/L	50	32.9	34.4	66	69	30-125	4	20	N2	
2-Nitroaniline	ug/L	50	42.4	43.0	85	86	41-135	2	20	N2	
2-Nitrophenol	ug/L	50	34.4	40.6	69	81	45-167	17	20		
3&4-Methylphenol(m&p Cresol)	ug/L	50	32.7	33.4	65	67	30-125	2	20	N2	
3,3'-Dichlorobenzidine	ug/L	50	42.8	36.2	86	72	30-213	17	20		
3-Nitroaniline	ug/L	50	39.0	39.1	78	78	43-128	0	20	N2	
4,6-Dinitro-2-methylphenol	ug/L	50	40.6	44.4	81	89	53-130	9	20		
4-Bromophenylphenyl ether	ug/L	50	32.5	29.6	65	59	65-120	9	20	L2	
4-Chloro-3-methylphenol	ug/L	50	36.6	42.0	73	84	41-128	14	20		
4-Chloroaniline	ug/L	50	10.6	9.8J	21	20	30-128		20	L2,N2	
4-Chlorophenylphenyl ether	ug/L	50	37.2	31.7	74	63	38-145	16	20		
4-Nitroaniline	ug/L	50	40.7	45.9	81	92	49-131	12	20	N2	
4-Nitrophenol	ug/L	50	27.6	29.2	55	58	30-129	6	20		
Acenaphthene	ug/L	50	34.0	30.8	68	62	60-132	10	20		
Acenaphthylene	ug/L	50	34.5	34.6	69	69	54-126	0	20		
Anthracene	ug/L	50	38.0	33.8	76	68	43-120	12	20		
Benzo(a)anthracene	ug/L	50	39.2	41.1	78	82	42-133	5	20		
Benzo(a)pyrene	ug/L	50	45.3	43.4	91	87	32-148	4	20		
Benzo(b)fluoranthene	ug/L	50	37.1	41.8	74	84	42-140	12	20		
Benzo(g,h,i)perylene	ug/L	50	41.4	42.0	83	84	30-195	1	20		
Benzo(k)fluoranthene	ug/L	50	42.2	44.3	84	89	30-146	5	20		
bis(2-Chloroethoxy)methane	ug/L	50	35.2	38.6	70	77	49-165	9	20		
bis(2-Chloroethyl) ether	ug/L	50	34.2	37.8	68	76	43-126	10	20		
bis(2-Chloroisopropyl) ether	ug/L	50	30.1	33.3	60	67	63-139	10	20	L2	
bis(2-Ethylhexyl)phthalate	ug/L	50	45.3	38.4	91	77	30-137	17	20		
Butylbenzylphthalate	ug/L	50	40.6	36.1	81	72	30-140	12	20		
Carbazole	ug/L	50	35.6	36.8	71	74	52-129	3	20	N2	
Chrysene	ug/L	50	40.1	40.4	80	81	44-140	1	20		
Di-n-butylphthalate	ug/L	50	36.4	33.0	73	66	30-120	10	20		
Di-n-octylphthalate	ug/L	50	47.5	43.8	95	88	30-132	8	20		
Dibenz(a,h)anthracene	ug/L	50	46.0	39.5	92	79	30-200	15	20		
Dibenzofuran	ug/L	50	38.6	31.6	77	63	39-125	20	20	N2	
Diethylphthalate	ug/L	50	38.8	43.4	78	87	30-120	11	20		
Dimethylphthalate	ug/L	50	38.6	40.4	77	81	30-120	4	20		
Fluoranthene	ug/L	50	33.2	35.0	66	70	43-121	5	20		
Fluorene	ug/L	50	38.8	34.7	78	69	70-120	11	20	L2	
Hexachloro-1,3-butadiene	ug/L	50	24.1	23.9	48	48	38-120	1	20		
Hexachlorobenzene	ug/L	50	32.9	33.8	66	68	30-142	3	20		
Hexachloroethane	ug/L	50	19.7	21.2	39	42	55-120	7	20	L2	
Indeno(1,2,3-cd)pyrene	ug/L	50	38.7	43.6	77	87	30-151	12	20		
Isophorone	ug/L	50	34.4	39.4	69	79	47-180	14	20		

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

LABORATORY CONTROL SAMPLE & LCSD: 4375126		4375127									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
N-Nitroso-di-n-propylamine	ug/L	50	35.1	38.4	70	77	30-198	9	20		
N-Nitrosodimethylamine	ug/L	50	23.6	24.8	47	50	30-125	5	20		
N-Nitrosodiphenylamine	ug/L	50	30.2	31.9	60	64	41-125	5	20		
Naphthalene	ug/L	50	26.2	32.7	52	65	36-120	22	20	R1	
Nitrobenzene	ug/L	50	32.8	39.8	66	80	54-158	19	20		
Pentachlorophenol	ug/L	50	35.0	39.0	70	78	38-152	11	20		
Phenanthrene	ug/L	50	34.9	29.9	70	60	65-120	15	20	L2	
Phenol	ug/L	50	21.0	23.0	42	46	17-120	9	20		
Pyrene	ug/L	50	36.9	33.1	74	66	70-120	11	20	L2	
2,4,6-Tribromophenol (S)	%				89	91	32-125				
2-Fluorobiphenyl (S)	%				53	46	30-125				
2-Fluorophenol (S)	%				53	62	30-125				
Nitrobenzene-d5 (S)	%				58	72	39-125				
p-Terphenyl-d14 (S)	%				87	79	65-128				
Phenol-d6 (S)	%				43	51	10-125				

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

QC Batch: 260001 Analysis Method: EPA 1664B, 2010
QC Batch Method: EPA 1664B, 2010 Analysis Description: 1664 HEM, Oil and Grease
Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20248416001

METHOD BLANK: 1240464 Matrix: Water
Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	07/07/22 10:39	

LABORATORY CONTROL SAMPLE: 1240465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	33.4	84	78-114	

MATRIX SPIKE SAMPLE: 1240466

Parameter	Units	20248198002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	<5.0	40	32.7	79	78-114	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 260312 Analysis Method: SM 2340C
 QC Batch Method: SM 2340C Analysis Description: 2340C Hardness, Total
 Laboratory: Pace Analytical Services - New Orleans
 Associated Lab Samples: 20248416001

METHOD BLANK: 1241854 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness	mg/L	ND	5.0	07/11/22 14:45	

LABORATORY CONTROL SAMPLE: 1241855

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness	mg/L	102	100	98	90-110	

SAMPLE DUPLICATE: 1241856

Parameter	Units	20248416001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Hardness	mg/L	46.0	44.0	4	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 259720 Analysis Method: SM 2540C 2011
 QC Batch Method: SM 2540C 2011 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - New Orleans
 Associated Lab Samples: 20248416001

METHOD BLANK: 1238964 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	07/04/22 10:28	

LABORATORY CONTROL SAMPLE: 1238965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	100	120	120	80-120	

SAMPLE DUPLICATE: 1238966

Parameter	Units	20248600001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	4380	4320	1	20	H3

SAMPLE DUPLICATE: 1238971

Parameter	Units	20248116006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	265	310	16	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 259870 Analysis Method: SM 2540D 2011
 QC Batch Method: SM 2540D 2011 Analysis Description: 2540D Total Suspended Solids
 Laboratory: Pace Analytical Services - New Orleans
 Associated Lab Samples: 20248416001

METHOD BLANK: 1239591 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	07/06/22 06:17	

LABORATORY CONTROL SAMPLE: 1239592

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	106	106	80-120	

SAMPLE DUPLICATE: 1239593

Parameter	Units	20248686002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	14.0	14.0	0	20	

SAMPLE DUPLICATE: 1239594

Parameter	Units	20248463001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	14.0	14.0	0	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 259701 Analysis Method: SM 5210B
 QC Batch Method: SM 5210B Analysis Description: 5210B cBOD, 5 day
 Laboratory: Pace Analytical Services - New Orleans
 Associated Lab Samples: 20248416001

METHOD BLANK: 1238872 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	ND	0.20	07/07/22 09:40	

LABORATORY CONTROL SAMPLE: 1238874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	155	79	85-115	L2

SAMPLE DUPLICATE: 1238875

Parameter	Units	20248450001 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

QC Batch: 259908 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20248416001

METHOD BLANK: 1239710 Matrix: Water
Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.10	07/07/22 10:41	

LABORATORY CONTROL SAMPLE: 1239711

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4.8	5.1	108	80-120	

MATRIX SPIKE SAMPLE: 1239713

Parameter	Units	20247972002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.64	2.5	4.7	161	75-125	M1

SAMPLE DUPLICATE: 1239712

Parameter	Units	20247972002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.64	0.62	4	20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 259878 Analysis Method: SM 4500-NH3 G
 QC Batch Method: SM 4500-NH3 G Analysis Description: 4500 Ammonia
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20248416001

METHOD BLANK: 1239657 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	07/06/22 14:06	

LABORATORY CONTROL SAMPLE: 1239658

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.2	105	90-110	

MATRIX SPIKE SAMPLE: 1239660

Parameter	Units	20246742004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	ND	5	5.0	100	75-125	

SAMPLE DUPLICATE: 1239659

Parameter	Units	20246742004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 259670 Analysis Method: SM 4500-NO3 F
 QC Batch Method: SM 4500-NO3 F Analysis Description: SM4500NO3-F, Nitrite, unpres
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20248416001

METHOD BLANK: 1238600 Matrix: Water

Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	ND	0.050	07/01/22 14:15	

LABORATORY CONTROL SAMPLE: 1238601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.2	0.20	98	90-110	

MATRIX SPIKE SAMPLE: 1238603

Parameter	Units	20248494001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	ND	0.25	0.24	87	80-120	

SAMPLE DUPLICATE: 1238602

Parameter	Units	20248494001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrite as N	mg/L	ND	.021J		20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 260021 Analysis Method: SM 4500-CN-E
 QC Batch Method: SM 4500-CN-C Analysis Description: 4500CNE Cyanide, Total
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20248416001

METHOD BLANK: 1240535 Matrix: Water

Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.020	07/07/22 10:38	

LABORATORY CONTROL SAMPLE: 1240536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.1	0.093	93	80-120	

MATRIX SPIKE SAMPLE: 1240538

Parameter	Units	92611890001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	0.1	0.094	87	75-125	

SAMPLE DUPLICATE: 1240537

Parameter	Units	92611890001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 259980 Analysis Method: SM 4500-NO3 F
 QC Batch Method: SM 4500-NO3 F Analysis Description: SM4500NO3-F, Nitrate, Preserved
 Laboratory: Pace Analytical Services - New Orleans
 Associated Lab Samples: 20248416001

METHOD BLANK: 1240283 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.050	07/07/22 11:28	

LABORATORY CONTROL SAMPLE: 1240284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	19.9	18.7	94	90-110	

MATRIX SPIKE SAMPLE: 1240286

Parameter	Units	20246742001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	1	1.0	103	80-120	

SAMPLE DUPLICATE: 1240285

Parameter	Units	20246742001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22

Pace Project No.: 20248416

QC Batch: 259891
 QC Batch Method: EPA 9065

Analysis Method: EPA 9065
 Analysis Description: 9065 Phenolics
 Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20248416001

METHOD BLANK: 1239687

Matrix: Water

Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	mg/L	ND	0.020	07/06/22 10:34	

LABORATORY CONTROL SAMPLE: 1239688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	mg/L	0.1	0.097	97	80-120	

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QUALITY CONTROL DATA

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

QC Batch: 827010 Analysis Method: SM 4500-P F
 QC Batch Method: SM 4500-P B Analysis Description: SM4500P-F, Total Phosphorus
 Laboratory: Pace Analytical Services - Minneapolis
 Associated Lab Samples: 20248416001

METHOD BLANK: 4381489 Matrix: Water
 Associated Lab Samples: 20248416001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.10	07/11/22 09:52	

LABORATORY CONTROL SAMPLE: 4381490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.5	2.5	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4381491 4381492

Parameter	Units	10615581001		4381491		4381492		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					MSD % Rec
Phosphorus	mg/L	0.14	2.5	2.5	2.7	3.4	101	129	80-120	23	20	M1,R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4381493 4381494

Parameter	Units	10615583001		4381493		4381494		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					MSD % Rec
Phosphorus	mg/L	0.14	2.5	2.5	2.6	2.6	100	100	80-120	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Pollutant Scan 6/30/22
Pace Project No.: 20248416

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

BATCH QUALIFIERS

Batch: 826661

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

AC Analysis of acrolein and/or acrylonitrile was performed from a sample that was field preserved to pH < 2, which is less than the pH range of 4-5 specified in the test method and required for NPDES compliance per 40CFR Part 136.
C6 Result confirmed by reanalysis conducted outside of the method specified holding time.
H2 Extraction or preparation conducted outside EPA method holding time.
H3 Sample was received or analysis requested beyond the recognized method holding time.
L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1 RPD value was outside control limits.
S0 Surrogate recovery outside laboratory control limits.
c3 Analysis of 2-chloroethyl vinyl ether was performed from a sample that was field preserved to pH < 2 with HCl. Acid preservation is not allowed for this parameter by the test method or for NPDES compliance per 40CFR Part 136.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pollutant Scan 6/30/22
 Pace Project No.: 20248416

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20248416001	Pollutant Scan	EPA 1631E	420045	EPA 1631E	420293
20248416001	Pollutant Scan	EPA 200.8	259759	EPA 200.8	259767
20248416001	Pollutant Scan	EPA 245.2	259790	EPA 245.2	259877
20248416001	Pollutant Scan	SM 9222D	259583	SM 9222D	259815
20248416001	Pollutant Scan	Enteroler/Quanti-Tray	259596	Enteroler/Quanti-Tray	259806
20248416001	Pollutant Scan	EPA 625.1	825982	EPA 625.1	826661
20248416001	Pollutant Scan	EPA 624.1	259764		
20248416001	Pollutant Scan	EPA 1664B, 2010	260001		
20248416001	Pollutant Scan	SM 2340C	260312		
20248416001	Pollutant Scan	SM 2540C 2011	259720		
20248416001	Pollutant Scan	SM 2540D 2011	259870		
20248416001	Pollutant Scan	SM 5210B	259701	SM 5210B	260024
20248416001	Pollutant Scan	EPA 351.2	259908	EPA 351.2	260033
20248416001	Pollutant Scan	SM 4500-NH3 G	259878		
20248416001	Pollutant Scan	SM 4500-NO3 F	259670		
20248416001	Pollutant Scan	SM 4500-CN-C	260021	SM 4500-CN-E	260039
20248416001	Pollutant Scan	SM 4500-NO3 F	259980		
20248416001	Pollutant Scan	EPA 9065	259891	EPA 9065	259944
20248416001	Pollutant Scan	SM 4500-P B	827010	SM 4500-P F	827048

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

4320 Midmost Dr. Mobile, AL
36609

WO#: 20248416

Project PM: MKB

Due Date: 07/12/22

CLIENT: MO-N. Baldwin

Courier: Pace Client FedEx UPS Other Trac.

Custody Seal on Cooler/Box Present: [see COC]

Custody Seals intact: Yes No

Thermometer Used: Therm Fisher IR 001
 Other:

Type of Ice: Wet Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Date and Initials of person examining contents: 07/12/22 MS

Temp must be measured from temperature blank when present Comments:

Temperature Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	1
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Chain of Custody Complete:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Sampler Name on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Short Hold Time Analyses (<72 hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
Rush Turn Around Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10
Filtered vol. Rec. for Diss. tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12
All containers received within manufacturer's precautionary and/or expiration dates:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13
All containers needing chemical preservation have been checked (except VOA, micro, & O&G):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14
All containers preservation checked found to be in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15
		If No, was preservative added? <input type="checkbox"/> Yes <input type="checkbox"/> No If added record lot no.: HNO3 _____ H2SO4 _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	17

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

