



Alabama Department of Environmental Management
adem.alabama.gov

MAR 03 2021

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Josh Thomas, Executive Director
Poarch Creek Indians Utility Authority
5811 Jack Springs Rd
Atmore, AL 36502

RE: Draft Permit
NPDES Permit No. AL0079880
Poarch Creek WWTP
Escambia County, Alabama

Dear Mr. Thomas:

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 Part I.C.1.c of your permit requires participation in the Department's web-based Electronic Environmental (E2) Reporting System Program for submittal of DMRs upon issuance of this permit unless valid justification as to why you cannot participate is submitted in writing. Please also be aware that Part I.C.2.e of your permit requires participation in the Department's web-based electronic environmental (E2) reporting system for submittal of SSOs 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. The E2 Program allows ADEM to electronically validate, acknowledge receipt, and upload data to the state's central wastewater database. This improves the accuracy of reported compliance data and reduces costs to both the regulated community and ADEM. The Permittee Participation Package may be downloaded online at <https://e2.adem.alabama.gov/npdes> or you may obtain a hard copy by submitting a written request or by emailing e2admin@adem.alabama.gov.

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 by email at michael.simmons@adem.alabama.gov or by phone at (334) 274-4220.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael N. Simmons".

Michael N. Simmons
Municipal Section
Water Division

mns/mfc
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: POARCH CREEK INDIANS UTILITY AUTHORITY
5811 JACK SPRINGS ROAD
ATMORE, ALABAMA 36502

FACILITY LOCATION: POARCH CREEK WWTP (0.5 MGD)
263 APLIN ROAD
ATMORE, ALABAMA
ESCAMBIA COUNTY

PERMIT NUMBER: AL0079880

RECEIVING WATERS: UNNAMED TRIBUTARY TO BELL 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

**MUNICIPAL SECTION
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PERMIT**

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PART I DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

1. Outfall 0011 Discharge Limits

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 0011, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

Parameter	Discharge Limitations*							Monitoring Requirements**			
	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Minimum	Daily Maximum	Percent Removal	(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
Oxygen, Dissolved (DO) 00300 I 0 0	*****	*****	*****	*****	6.0 mg/l	*****	*****	E	GRAB	C	*****
pH 00400 I 0 0	*****	*****	*****	*****	6.0 S.U.	8.5 S.U.	*****	E	GRAB	C	*****
Solids, Total Suspended 00530 I 0 0	125 lbs/day	187 lbs/day	30.0 mg/l	45.0 mg/l	*****	*****	*****	E	COMP24	C	*****
Solids, Total Suspended 00530 G 0 0	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	*****	*****	*****	I	COMP24	C	*****
Nitrogen, Ammonia Total (As N) 00610 I 0 0	9.1 lbs/day	13.7 lbs/day	2.2 mg/l	3.3 mg/l	*****	*****	*****	E	COMP24	C	*****
Nitrogen, Kjeldahl Total (As N) 00625 I 0 0	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	*****	*****	*****	E	COMP24	G	S
Nitrite Plus Nitrate Total I Det. (As N) 00630 I 0 0	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	*****	*****	*****	E	COMP24	G	S
Phosphorus, Total (As P) 00665 I 0 0	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	*****	*****	*****	E	COMP24	G	S
Flow, In Conduit or Thru Treatment Plant 50050 I 0 0	REPORT MGD	*****	*****	*****	*****	REPORT MGD	*****	E	CONTIN	A	*****
Chlorine, Total Residual See note (5)(6) 50060 I 0 0	*****	*****	0.011 mg/l	*****	*****	0.019 mg/l	*****	E	GRAB	C	*****
E. Coli 51040 I 0 0	*****	*****	126 col/100mL	*****	*****	298 col/100mL	*****	E	GRAB	C	ECS
E. Coli 51040 I 0 0	*****	*****	548 col/100mL	*****	*****	2507 col/100mL	*****	E	GRAB	C	ECW
BOD, Carbonaceous 05 Day, 20C 80082 I 0 0	104 lbs/day	156 lbs/day	25.0 mg/l	37.5 mg/l	*****	*****	*****	E	COMP24	C	*****
BOD, Carbonaceous 05 Day, 20C 80082 G 0 0	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	*****	*****	*****	I	COMP24	C	*****
BOD, Carb-5 Day, 20 Deg C, Percent Remvl 80091 K 0 0	*****	*****	*****	*****	*****	*****	85.0%	K	CALCTD	G	*****
Solids, Suspended Percent Removal 81011 K 0 0	*****	*****	*****	*****	*****	*****	85.0%	K	CALCTD	G	*****

* See Part II.C.1. (Bypass); Part II.C.2. (Upset)

** Monitoring Requirements

(1) Sample Location

I – Influent
E – Effluent
X – End Chlorine Contact Chamber
K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration.
RS - Receiving Stream

(2) Sample Type:

CONTIN - Continuous
INSTAN - Instantaneous
COMP-8 - 8-Hour Composite
COMP24 - 24-Hour Composite
GRAB – Grab
CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

A - 7 days per week
B - 5 days per week
C - 3 days per week
D - 2 days per week
E - 1 day per week
F - 2 days per month
G - 1 day per month
H - 1 day per quarter
J - Annual
Q - For Effluent Toxicity Testing, see Provision IV.B.

(4) Seasonal Limits:

S = Summer (April – October)
W = Winter (November – March)
ECS = E. coli Summer (May – October)
ECW = E. coli Winter (November – April)

(5) See Part IV.D. 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” or “NODI=9” (if hard copy) on the monthly DMR.

(6) A measurement of Total Residual Chlorine below 0.05 mg/L shall be considered in compliance with the permit limitations above and should be reported as NODI=B or *B on the discharge monitoring reports.

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 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.
 - (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. by utilizing the Department's web-based Electronic Environmental (E2) Reporting System.
- (1) If the permittee is unable to complete the electronic submittal of DMR data due to technical problems originating with the Department's E2 Reporting 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 E2 Reporting 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 E2 Reporting System resuming operation, the permittee shall enter the data into the E2 Reporting System, unless an alternate timeframe is approved by the Department. An attachment should be included with the E2 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.

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.

- (3) 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.
 - (4) 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.
 - (5) 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
Environmental Data Section, Permits & Services 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
Environmental Data Section, Permits & Services 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 re-issuance, 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 a web-based electronic environmental (E2) reporting system for notification and submittal of SSO reports. **If the Permittee is not already participating in the E2 Reporting System for SSO reports, the Permittee must apply for participation in the system within 30 days of coverage under this permit unless the Permittee submits in writing valid justification as to why it cannot participate and the Department approves in writing utilization of verbal notifications and hard copy SSO report submittals.** Once the Permittee is enrolled in the E2 Reporting System for SSO reports, the Permittee must utilize the system for notification and submittal of all SSO reports unless otherwise allowed by this permit. 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 E2 Reporting System for SSO reports, the Permittee Participation Package may be downloaded online at <https://e2.adem.alabama.gov/npdes>. If the E2 Reporting 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 E2 Reporting System resuming operation, the Permittee shall enter the data into the E2 Reporting 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.

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, for 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, any 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. From which the discharge of pollutants did not commence 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 – 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; or
 - 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 TESTING REOPENER

Upon notification under Part II.G. of any newly introduced toxic industrial wastewaters, the Director may reopen the permit to include effluent toxicity limitations and testing requirements.

C. 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: <http://www.adem.state.al.us/alEnviroRegLaws/files/Division6Vol1.pdf> and http://gis.adem.alabama.gov/ADEM_Dash/use_class/index.html
 - (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)
 - (a) 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.

D. 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” or “NODI = 9” (if hard copy) 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”, “NODI = B” (if hard copy), 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.

E. 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.

NPDES PERMIT RATIONALE

NPDES Permit No: **AL0079880** Date: March 2, 2021

Permit Applicant: Poarch Creek Indians Utility Authority
5811 Jack Springs Road
Atmore, Alabama 36502

Location: Poarch Creek WWTP
263 Aplin Road
Atmore, Alabama 36502

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: CBOD₅, DO, pH, TSS, CBOD₅
% Removal, TSS % Removal,
TRC
Instream calculation at 7Q10: 100%
Toxicity based: TRC
Secondary Treatment Levels: TSS, CBOD₅ % Removal, TSS
% Removal
Other (described below): E. Coli, pH

Design Flow in Million Gallons per Day: 0.5 MGD

Description of Discharge: Outfall Number 0011; Effluent discharge to UT to Bell
Creek, which is classified as Fish & Wildlife.

Discussion:

This is a permit reissuance due to expiration. Limits for Five Day Carbonaceous Biochemical Oxygen Demand (CBOD₅), Total Ammonia-Nitrogen (NH₃-N), and Dissolved Oxygen (DO) were developed based on a Waste Load Allocation (WLA) model that was completed by ADEM's Water Quality Branch (WQB). The monthly average limits for CBOD₅ and NH₃-N are 25.0 mg/L and 2.2 mg/L, respectively. The daily minimum DO limit is 6.0 mg/L.

The Permittee has spray fields that are no longer in use. If the Permittee decides to utilize the spray fields again for crop production (i.e. water reuse), the Permittee would be required to comply with the Reclaimed Water Reuse Regulations that became effective on September 29, 2015 with the Department.

The pH daily minimum and daily maximum limits of 6.0 and 8.5 S.U, respectively, were developed to be supportive of the water-use classification of the receiving stream. The Total Residual Chlorine (TRC) limits of 0.011 mg/L (monthly average) and 0.019 mg/L (daily maximum) are based on EPA's recommended water quality values and on the current Toxicity Rationale, which considers the available dilution in the receiving stream. 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 Total Residual Chlorine measurement below 0.05 mg/L shall be considered below detection for compliance purposes. Monitoring for TRC is only applicable if chlorine is utilized for disinfection purposes.

The Department revised bacteriological criteria in ADEM Administrative Code R.335-6-10-.09. As a result, this permit includes E. coli limits and 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 UT to Bell Creek is classified as Fish & 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 Total Suspended Solids (TSS) and TSS % removal limits of 30.0 mg/L monthly average and 85.0%, respectively, are based on the requirements of 40 CFR part 133.102 regarding Secondary Treatment. A minimum percent removal limit of 85.0% is imposed for CBOD₅ also in accordance with 40 CFR 133.102 regarding Secondary Treatment.

This permit requires the Permittee to monitor and report during the summer (April-October) the nutrient-related parameters of Total Kjeldahl Nitrogen (TKN), Nitrate plus Nitrite Nitrogen (N₀₂+N₀₃-N) and Total Phosphorus (TP). 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.

The monitoring frequency for CBOD₅, DO, E. Coli, NH₃-N, pH, TRC, and TSS, and is three days per week. The monitoring frequency for TKN, N₀₂+N₀₃-N and TP is once per month during the April through October summer growing season. TSS % removal and CBOD₅ % removal are to be calculated once per month. Flow is to be continuously monitored daily.

Because this is a minor facility (design capacity less than 1 MGD) treating only domestic wastewater with no industrial wastewater contributions, no potential toxicity concerns are anticipated and thus there is no need to impose chronic or acute bioassay testing under this permit.

The UT to Bell Creek is a Tier II stream and is not listed on the most recent 303(d) list. There are no Total Daily Maximum Daily Loads (TMDLs) affecting this discharge.

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 water body, so the applicant is not required to demonstrate that the discharge is necessary for economic and social development.

Prepared by: Michael N. Simmons

TOXICITY AND DISINFECTION RATIONALE

Facility Name:	Poarch Creek WWTP	
NPDES Permit Number:	AL0079880	
Receiving Stream:	UT to Bell Creek	
Facility Design Flow (Q _w):	0.500 MGD	
Receiving Stream 7Q ₁₀ :	0.000 cfs	
Receiving Stream 1Q ₁₀ :	0.000 cfs	(Estimated at 0.75 * 7Q10)
Winter Headwater Flow (WHF):	N/A.	
Summer Temperature for CCC:	30 deg. Celsius	
Winter Temperature for CCC:	30 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	2.18 mg/l

$$\begin{aligned} \text{Summer NH}_3\text{-N Toxicity Limit} &= \frac{[(\text{Allowable Instream NH}_3\text{-N}) * (7Q_{10} + Q_w)] - [(\text{Headwater NH}_3\text{-N}) * (7Q_{10})]}{Q_w} \\ &= 2.2 \text{ mg/l NH}_3\text{-N at 7Q10} \end{aligned}$$

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

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	2.20 mg/l NH₃-N	2.20 mg/l NH₃-N
Winter	N/A.	N/A.

Summer: The toxicity-based limit of 2.20 mg/l NH₃-N applies.

Winter limits are not applicable.

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.

This is a minor facility (Qw < 1.0 MGD) with no SID permits. No toxicity testing is required.

$$\text{Instream Waste Concentration (IWC)} = \frac{Q_w}{7Q_{10} + Q_w} = 100.00\% \quad \text{Note: This number will be rounded up for toxicity testing purposes.}$$

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 mg/l (chronic)	(0.011)/(SDR)
Maximum allowable TRC in effluent:	0.019 mg/l (acute)	(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: Michael Simmons Date: 9/10/2019

Comments included

Yes No

General Information

Information Verified By **CPR**

Page 1

Receiving Stream Name **Bell Creek UT**

Year File Was Created **2008**

Previous File Name **OR: Local Name (if applicable)**

Facility Name **Poarch Creek Indians WWTP**

Previous Discharger Name **Or-AKA (includes previous file name)**

11 Digit HUC Code **03140305030**

12 Digit HUC Code **031403050201**

River Basin **Perdido-Escambia**

County **Escambia**

Use Classification **F&W**

Date of WLA Response **10/6/2008**

Discharge Latitude **31.13441**

Lat/Long Method **GPS**

Discharge Longitude **-87.52673**

Approved TMDL?

Site Visit Completed? Yes No

Yes No

Date of Site Visit **9/17/2008**

Waterbody Impaired? Yes No

Approval Date of TMDL

Antidegradation Yes No

Permit Information

Waterbody Tier Level **Tier II**

Permit Number **AL0079880**

Use Support Category **3**

Permit Status **Proposed**

Other Point Sources? Yes No

Sources Included in Model

[Empty box for listing sources included in the model]

Type of Discharger

Municipal

Industrial

Semipublic/Private

Mining

Waste Load Allocation Information

Modeled Reach Length **5.22** Miles

Date of Allocation **10/6/2008**

Name of Model Used **SWQM**

Allocation Type **Annual**

Model Completed by **cpr**

Type of Model Used **Desk-top**

Allocation Developed by **Water Quality Branch**



Conventional Parameters

Other Parameters

Annual Effluent Limits

Qw	0.5	MGD
CBOD5	25	mg/L
NH3-N	2.2	mg/L
TKN		
D.O.	6	mg/L

Qw	MGD	Qw	MGD
Season		Season	
From		From	
Through		Through	
CBOD5		CBOD5	
NH3-N		NH3-N	
TKN		TKN	
D.O.		D.O.	

Qw	MGD	Qw	MGD
Season		Season	
From		From	
Through		Through	
TP		TP	
TN		TN	
TSS		TSS	

"Monitor Only" Parameters for Effluent:

Parameter	Frequency	Parameter	Frequency
TN	Monthly		
TP	Monthly		
TKN	Monthly		

Water Quality Characteristics Immediately Upstream of Discharge

Parameter	Summer	Winter
CBODu	mg/l	mg/l
NH3-N	mg/l	mg/l
Temperature	°C	°C
pH	su	su

Hydrology at Discharge Location

Drainage Area Qualifier

Exact

Drainage Area	0.33	sq mi
Stream 7Q10	0	cfs
Stream 1Q10		cfs
Stream 7Q2		cfs
Annual Average		cfs

Method Used to Calculate

<5.0 sq mi - Bingham Equation

Comments and/or Notations

No HW water quality characteristics listed because it's a zero-flow stream. TN, TKN and TP effluent parameters to be monitored monthly from April through October.

FORM 1 GENERAL		U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program <i>(Read the "General Instructions" before starting.)</i>	I. EPA I.D. NUMBER S F 1 2 13 14 15
LABEL ITEMS I. EPA I.D. NUMBER III. FACILITY NAME V. FACILITY MAILING ADDRESS VI. FACILITY LOCATION		<div style="border: 2px solid black; padding: 5px; display: inline-block;"> RECEIVED JUL 03 2019 IND / MUN BRANCH </div> <p>PLEASE PLACE LABEL IN THIS SPACE</p>	GENERAL INSTRUCTIONS If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms**.

SPECIFIC QUESTIONS	Mark "X"			SPECIFIC QUESTIONS	Mark "X"		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)	X		X	B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)		X		F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

c	1	SKIP	POARCH CREEK WASTEWATER TREATMENT PLANT
15	16 - 29	30	89

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)		B. PHONE (area code & no.)	
c	2	THOMAS, JOSH, EXECUTIVE DIRECTOR	(251) 446-1617
15	18	45	46 48 49 51 52- 55

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX			
c	3	5811 JACK SPRINGS ROAD	
15	16	45	
B. CITY OR TOWN		C. STATE	D. ZIP CODE
c	4	ATMORE	AL
15	16	40	41 42 47 51

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER			
c	5	APLIN ROAD	
15	18	45	
B. COUNTY NAME			
c	6	ESCAMBIA	
15	16	46	70
C. CITY OR TOWN		D. STATE	E. ZIP CODE
c	6	ATMORE	AL
15	16	40	41 42 47 51
		F. COUNTY CODE (if known)	
		30	
		36502	
		51	52 -54

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)				A. FIRST				B. SECOND							
c				c				c				c			
7	9	6	3	7											
(specify) UTILITY AUTHORITY				(specify)				(specify)							
C. THIRD								D. FOURTH							
c				c				c				c			
7				7				7				7			
(specify)								(specify)							

VIII. OPERATOR INFORMATION																
A. NAME														B. Is the name listed in Item VIII-A also the owner?		
c																
8	POARCH CREEK INDIANS UTILITY AUTHORITY														<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
														55	66	

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box: if "Other," specify.)														D. PHONE (area code & no.)	
F = FEDERAL				M = PUBLIC (other than federal or state)				O (specify) INDIAN TRIBE							
S = STATE				O = OTHER (specify)						(251) 446-1617					
P = PRIVATE															

E. STREET OR P.O. BOX															
5811 JACK SPRINGS ROAD															

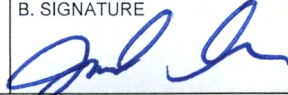
F. CITY OR TOWN										G. STATE		H. ZIP CODE		IX. INDIAN LAND	
ATMORE										AL		36502		Is the facility located on Indian lands?	
														<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

X. EXISTING ENVIRONMENTAL PERMITS															
A. NPDES (Discharges to Surface Water)								D. PSD (Air Emissions from Proposed Sources)							
9 N AL0079880								9 P							
B. UIC (Underground Injection of Fluids)								E. OTHER (specify)							
9 U								(specify)							
C. RCRA (Hazardous Wastes)								E. OTHER (specify)							
9 R								(specify)							

XI. MAP
 Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)
 PROVISION OF WASTEWATER TREATMENT TO THE POARCH CREEK INDIAN TRIBE AND ITS SUBSIDIARIES.

XIII. CERTIFICATION (see instructions)
 I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)										B. SIGNATURE					C. DATE SIGNED				
JOSH THOMAS, EXECUTIVE DIRECTOR															6-26-19				

COMMENTS FOR OFFICIAL USE ONLY															

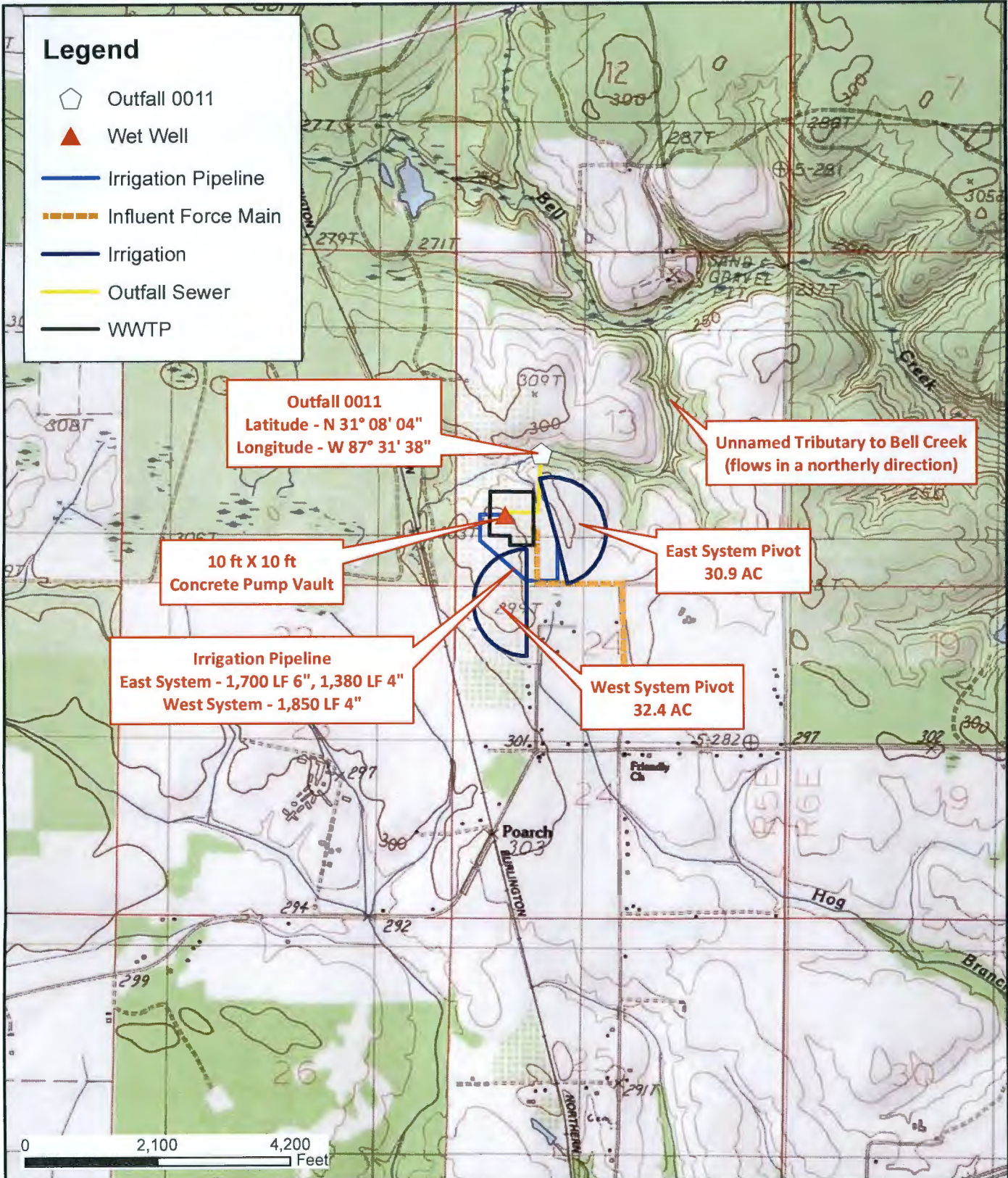


Figure 1
Topographic Map

Poarch Creek Indians Utility Authority
Aplin Road
Atmore, Alabama 36502
Escambia County

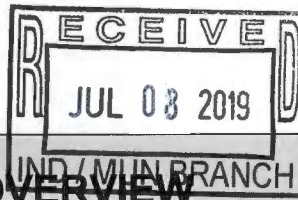


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FACILITY NAME AND PERMIT NUMBER:

Poarch Creek WWTP AL0079880



Form Approved 1/14/99
OMB Number 2040-0086

FORM
2A
NPDES

NPDES FORM 2A APPLICATION OVERVIEW

APPLICATION OVERVIEW

Form 2A has been developed in a modular format and consists of a "Basic Application Information" packet and a "Supplemental Application Information" packet. The Basic Application Information packet is divided into two parts. All applicants must complete Parts A and C. Applicants with a design flow greater than or equal to 0.1 mgd must also complete Part B. Some applicants must also complete the Supplemental Application Information packet. The following items explain which parts of Form 2A you must complete.

BASIC APPLICATION INFORMATION:

- A. **Basic Application Information for all Applicants.** All applicants must complete questions A.1 through A.8. A treatment works that discharges effluent to surface waters of the United States must also answer questions A.9 through A.12.
- B. **Additional Application Information for Applicants with a Design Flow \geq 0.1 mgd.** All treatment works that have design flows greater than or equal to 0.1 million gallons per day must complete questions B.1 through B.6.
- C. **Certification.** All applicants must complete Part C (Certification).

SUPPLEMENTAL APPLICATION INFORMATION:

- D. **Expanded Effluent Testing Data.** A treatment works that discharges effluent to surface waters of the United States and meets one or more of the following criteria must complete Part D (Expanded Effluent Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to provide the information.
- E. **Toxicity Testing Data.** A treatment works that meets one or more of the following criteria must complete Part E (Toxicity Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to submit results of toxicity testing.
- F. **Industrial User Discharges and RCRA/CERCLA Wastes.** A treatment works that accepts process wastewater from any significant industrial users (SIUs) or receives RCRA or CERCLA wastes must complete Part F (Industrial User Discharges and RCRA/CERCLA Wastes). SIUs are defined as:
 - 1. All industrial users subject to Categorical Pretreatment Standards under 40 Code of Federal Regulations (CFR) 403.6 and 40 CFR Chapter I, Subchapter N (see instructions); and
 - 2. Any other industrial user that:
 - a. Discharges an average of 25,000 gallons per day or more of process wastewater to the treatment works (with certain exclusions); or
 - b. Contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the treatment plant; or
 - c. Is designated as an SIU by the control authority.
- G. **Combined Sewer Systems.** A treatment works that has a combined sewer system must complete Part G (Combined Sewer Systems).

ALL APPLICANTS MUST COMPLETE PART C (CERTIFICATION)

FACILITY NAME AND PERMIT NUMBER:

Poarch Creek WWTP AL0079880

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BASIC APPLICATION INFORMATION

PART A. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS:

All treatment works must complete questions A.1 through A.8 of this Basic Application Information packet.

A.1. Facility Information.

Facility name Poarch Creek WWTP

Mailing Address 5811 Jack Springs Road
Atmore, AL 36502

Contact person Josh Thomas

Title Executive Director

Telephone number (251) 446-1617

Facility Address 263 Aplin Road
(not P.O. Box) Atmore, AL 36502

A.2. Applicant Information. If the applicant is different from the above, provide the following:

Applicant name Poarch Creek Indians Utility Authority

Mailing Address 5811 Jack Springs Road
Atmore, AL 36502

Contact person Josh Thomas

Title Executive Director

Telephone number (251) 446-1617

Is the applicant the owner or operator (or both) of the treatment works?

owner operator

Indicate whether correspondence regarding this permit should be directed to the facility or the applicant.

facility applicant

A.3. Existing Environmental Permits. Provide the permit number of any existing environmental permits that have been issued to the treatment works (include state-issued permits).

NPDES AL0079880 PSD _____

UIC _____ Other _____

RCRA _____ Other _____

A.4. Collection System Information. Provide information on municipalities and areas served by the facility. Provide the name and population of each entity and, if known, provide information on the type of collection system (combined vs. separate) and its ownership (municipal, private, etc.).

Name	Population Served	Type of Collection System	Ownership
<u>Poarch Creek Indians</u>	<u>2,500</u>	<u>Separate</u>	<u>Indian</u>
<u>Wind Creek Resort</u>	<u>47,500 (Eq. Pop)</u>	<u>Separate</u>	<u>Indian</u>
Total population served <u>50,000</u>			

FACILITY NAME AND PERMIT NUMBER:

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A.5. Indian Country.

a. Is the treatment works located in Indian Country?

Yes No

b. Does the treatment works discharge to a receiving water that is either in Indian Country or that is upstream from (and eventually flows through) Indian Country?

Yes No

A.6. Flow. Indicate the design flow rate of the treatment plant (i.e., the wastewater flow rate that the plant was built to handle). Also provide the average daily flow rate and maximum daily flow rate for each of the last three years. Each year's data must be based on a 12-month time period with the 12th month of "this year" occurring no more than three months prior to this application submittal.

a. Design flow rate 0.500 mgd

	Two Years Ago	Last Year	This Year
b. Annual average daily flow rate	<u>0.262</u>	<u>0.260</u>	<u>0.247</u> mgd
c. Maximum daily flow rate	<u>0.543</u>	<u>0.813</u>	<u>0.516</u> mgd

A.7. Collection System. Indicate the type(s) of collection system(s) used by the treatment plant. Check all that apply. Also estimate the percent contribution (by miles) of each.

Separate sanitary sewer 100.00 %
 Combined storm and sanitary sewer _____ %

A.8. Discharges and Other Disposal Methods.

a. Does the treatment works discharge effluent to waters of the U.S.? Yes No

If yes, list how many of each of the following types of discharge points the treatment works uses:

- i. Discharges of treated effluent 1
- ii. Discharges of untreated or partially treated effluent 0
- iii. Combined sewer overflow points 0
- iv. Constructed emergency overflows (prior to the headworks) 0
- v. Other _____ 0

b. Does the treatment works discharge effluent to basins, ponds, or other surface impoundments that do not have outlets for discharge to waters of the U.S.? Yes No

If yes, provide the following for each surface impoundment:

Location: Holding Pond for Reuse Water Sprayfields

Annual average daily volume discharged to surface impoundment(s) 0.10 mgd

Is discharge _____ continuous or intermittent?

c. Does the treatment works land-apply treated wastewater? Yes No

If yes, provide the following for each land application site:

Location: Reuse water is discharged to sprayfields adjacent to WWTP

Number of acres: 63.40

Annual average daily volume applied to site: 0.10 Mgd

Is land application _____ continuous or intermittent?

d. Does the treatment works discharge or transport treated or untreated wastewater to another treatment works? _____ Yes No

FACILITY NAME AND PERMIT NUMBER:

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Poarch Creek WWTP AL0079880

If yes, describe the mean(s) by which the wastewater from the treatment works is discharged or transported to the other treatment works (e.g., tank truck, pipe).

N/A

If transport is by a party other than the applicant, provide:

Transporter name: _____

Mailing Address: _____

Contact person: _____

Title: _____

Telephone number: _____

For each treatment works that receives this discharge, provide the following:

Name: _____

Mailing Address: _____

Contact person: _____

Title: _____

Telephone number: _____

If known, provide the NPDES permit number of the treatment works that receives this discharge. _____

Provide the average daily flow rate from the treatment works into the receiving facility. _____ mgd

- e. Does the treatment works discharge or dispose of its wastewater in a manner not included in A.8.a through A.8.d above (e.g., underground percolation, well injection)? _____ Yes No

If yes, provide the following for each disposal method:

Description of method (including location and size of site(s) if applicable):

Annual daily volume disposed of by this method: _____

Is disposal through this method _____ continuous or _____ intermittent?

FACILITY NAME AND PERMIT NUMBER:

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WASTEWATER DISCHARGES:

If you answered "yes" to question A.8.a, complete questions A.9 through A.12 once for each outfall (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered "no" to question A.8.a, go to Part B, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

A.9. Description of Outfall.

a. Outfall number 0011

b. Location

(City or town, if applicable)

Escambia

(Zip Code)

AL

(County)

N 31° 08' 04"

(State)

W 87° 31' 38"

(Latitude)

(Longitude)

c. Distance from shore (if applicable) _____ ft.

d. Depth below surface (if applicable) _____ ft.

e. Average daily flow rate _____ 0.50 mgd

f. Does this outfall have either an intermittent or a periodic discharge?

_____ Yes No (go to A.9.g.)

If yes, provide the following information:

Number of times per year discharge occurs: _____

Average duration of each discharge: _____

Average flow per discharge: _____ mgd

Months in which discharge occurs: _____

g. Is outfall equipped with a diffuser?

_____ Yes No

A.10. Description of Receiving Waters.

a. Name of receiving water Unnamed Tributary to Bell Creek

b. Name of watershed (if known) Perdido-Escambia River Basin

United States Soil Conservation Service 14-digit watershed code (if known): 031403050201

c. Name of State Management/River Basin (if known): Escambia

United States Geological Survey 8-digit hydrologic cataloging unit code (if known): 03140305

d. Critical low flow of receiving stream (if applicable):

acute _____ cfs chronic _____ cfs

e. Total hardness of receiving stream at critical low flow (if applicable): _____ mg/l of CaCO₃

FACILITY NAME AND PERMIT NUMBER:

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Poarch Creek WWTP AL0079880

A.11. Description of Treatment.

a. What levels of treatment are provided? Check all that apply.

- Primary Secondary
 Advanced Other. Describe: _____

b. Indicate the following removal rates (as applicable):

Design BOD ₅ removal <u>or</u> Design CBOD ₅ removal	90.00	%
Design SS removal	90.00	%
Design P removal	90.00	%
Design N removal	90.00	%
Other _____	_____	%

c. What type of disinfection is used for the effluent from this outfall? If disinfection varies by season, please describe.

Chlorine

If disinfection is by chlorination, is dechlorination used for this outfall? Yes No

d. Does the treatment plant have post aeration? Yes No

A.12. Effluent Testing Information. All Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three samples and must be no more than four and one-half years apart.

Outfall number: 0011

PARAMETER	MAXIMUM DAILY VALUE		AVERAGE DAILY VALUE		
	Value	Units	Value	Units	Number of Samples
pH (Minimum)	6.37	s.u.			
pH (Maximum)	7.50	s.u.			
Flow Rate	0.81	MGD	0.26	MGD	35.00
Temperature (Winter)					
Temperature (Summer)					

* For pH please report a minimum and a maximum daily value

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		

CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.

BIOCHEMICAL OXYGEN DEMAND (Report one)	BOD-5						
	CBOD-5	7.50	mg/L	2.41	mg/L	36.00	SM5210B
FECAL COLIFORM		6.00	col/100mL	0.16	col/100mL	36.00	SM95222D
TOTAL SUSPENDED SOLIDS (TSS)		20.60	mg/L	2.50	mg/L	36.00	SM2540D

**END OF PART A.
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE**

FACILITY NAME AND PERMIT NUMBER:
Poarch Creek WWTP AL0079880

Form Approved 1/14/99
OMB Number 2040-0086

BASIC APPLICATION INFORMATION

PART B. ADDITIONAL APPLICATION INFORMATION FOR APPLICANTS WITH A DESIGN FLOW GREATER THAN OR EQUAL TO 0.1 MGD (100,000 gallons per day).

All applicants with a design flow rate \geq 0.1 mgd must answer questions B.1 through B.6. All others go to Part C (Certification).

B.1. Inflow and Infiltration. Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration.
40,000.00 gpd
Briefly explain any steps underway or planned to minimize inflow and infiltration.
Capital improvement plan includes provisions for both inspection and rehabilitation to lower I/I quantities

B.2. Topographic Map. Attach to this application a topographic map of the area extending at least one mile beyond facility property boundaries. This map must show the outline of the facility and the following information. (You may submit more than one map if one map does not show the entire area.)

- a. The area surrounding the treatment plant, including all unit processes.
- b. The major pipes or other structures through which wastewater enters the treatment works and the pipes or other structures through which treated wastewater is discharged from the treatment plant. Include outfalls from bypass piping, if applicable.
- c. Each well where wastewater from the treatment plant is injected underground.
- d. Wells, springs, other surface water bodies, and drinking water wells that are: 1) within 1/4 mile of the property boundaries of the treatment works, and 2) listed in public record or otherwise known to the applicant.
- e. Any areas where the sewage sludge produced by the treatment works is stored, treated, or disposed.
- f. If the treatment works receives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, or special pipe, show on the map where that hazardous waste enters the treatment works and where it is treated, stored, and/or disposed.

B.3. Process Flow Diagram or Schematic. Provide a diagram showing the processes of the treatment plant, including all bypass piping and all backup power sources or redundancy in the system. Also provide a water balance showing all treatment units, including disinfection (e.g. chlorination and dechlorination). The water balance must show daily average flow rates at influent and discharge points and approximate daily flow rates between treatment units. Include a brief narrative description of the diagram.

B.4. Operation/Maintenance Performed by Contractor(s).
Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a contractor? Yes No
If yes, list the name, address, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional pages if necessary).
Name: _____
Mailing Address: _____
Telephone Number: _____
Responsibilities of Contractor: _____

B.5. Scheduled Improvements and Schedules of Implementation. Provide information on any uncompleted implementation schedule or uncompleted plans for improvements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the treatment works has several different implementation schedules or is planning several improvements, submit separate responses to question B.5 for each. (If none, go to question B.6.)

- a. List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.
N/A
- b. Indicate whether the planned improvements or implementation schedule are required by local, State, or Federal agencies.
 Yes No

FACILITY NAME AND PERMIT NUMBER:
Poarch Creek WWTP AL0079880

c If the answer to B.5.b is "Yes," briefly describe, including new maximum daily inflow rate (if applicable).

d. Provide dates imposed by any compliance schedule or any actual dates of completion for the implementation steps listed below, as applicable. For improvements planned independently of local, State, or Federal agencies, indicate planned or actual completion dates, as applicable. Indicate dates as accurately as possible.

Implementation Stage	Schedule	Actual Completion
	MM / DD / YYYY	MM / DD / YYYY
- Begin construction	__ / __ / ____	__ / __ / ____
- End construction	__ / __ / ____	__ / __ / ____
- Begin discharge	__ / __ / ____	__ / __ / ____
- Attain operational level	__ / __ / ____	__ / __ / ____

e. Have appropriate permits/clearances concerning other Federal/State requirements been obtained? Yes No

Describe briefly: _____

B.6. EFFLUENT TESTING DATA (GREATER THAN 0.1 MGD ONLY).

Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall Number: 0011

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		
CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.							
AMMONIA (as N)	1.13	mg/L	0.17	mg/L	36.00	SM 4500-NH3 C	
CHLORINE (TOTAL RESIDUAL, TRC)	0.00	BDL	0.00	BDL	36.00	SM 4500-Cl G	
DISSOLVED OXYGEN	8.50	mg/L	7.36	mg/L	36.00	SM 4500-O G	
TOTAL KJELDAHL NITROGEN (TKN)	3.94	mg/L	0.89	mg/L	21.00	SM 4500-NH3 G	
NITRATE PLUS NITRITE NITROGEN	9.82	mg/L	2.35	mg/L	21.00	EPA 353.3	
OIL and GREASE							
PHOSPHORUS (Total)	5.55	mg/L	3.55	mg/L	21.00	EPA 365.2	
TOTAL DISSOLVED SOLIDS (TDS)							
OTHER							

**END OF PART B.
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE**

FACILITY NAME AND PERMIT NUMBER:

Poarch Creek WWTP AL0079880

Form Approved 1/14/99
OMB Number 2040-0086

BASIC APPLICATION INFORMATION

PART C. CERTIFICATION

All applicants must complete the Certification Section. Refer to instructions to determine who is an officer for the purposes of this certification. All applicants must complete all applicable sections of Form 2A, as explained in the Application Overview. Indicate below which parts of Form 2A you have completed and are submitting. By signing this certification statement, applicants confirm that they have reviewed Form 2A and have completed all sections that apply to the facility for which this application is submitted.

Indicate which parts of Form 2A you have completed and are submitting:

Basic Application Information packet

Supplemental Application Information packet:

Part D (Expanded Effluent Testing Data)

Part E (Toxicity Testing: Biomonitoring Data)

Part F (Industrial User Discharges and RCRA/CERCLA Wastes)

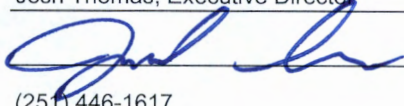
Part G (Combined Sewer Systems)

ALL APPLICANTS MUST COMPLETE 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 the information, the information 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.

Name and official title Josh Thomas, Executive Director

Signature



Telephone number (251) 446-1617

Date signed

6-26-2019

Upon request of the permitting authority, you must submit any other information necessary to assess wastewater treatment practices at the treatment works or identify appropriate permitting requirements.

SEND COMPLETED FORMS TO:

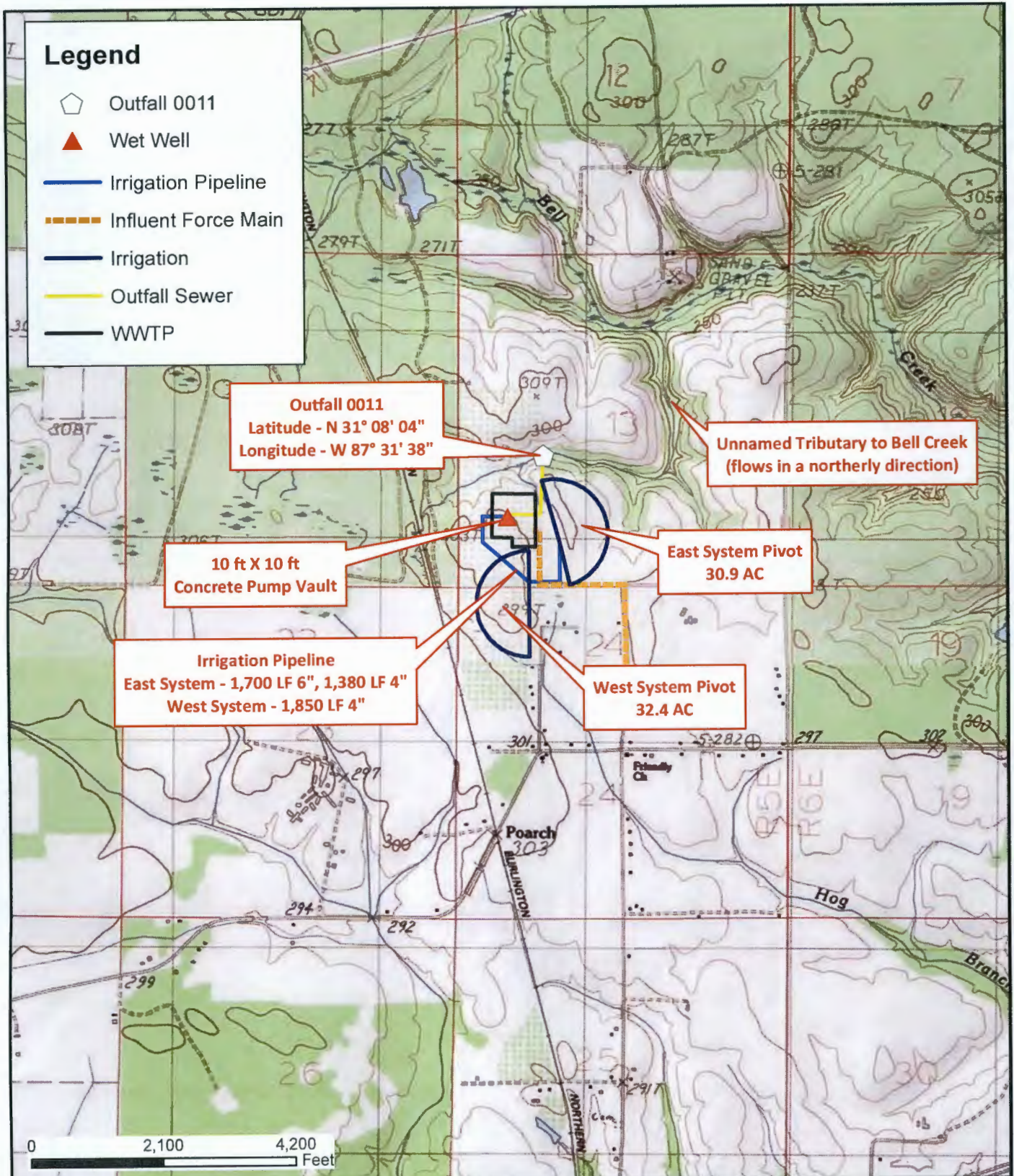


Figure 1
Topographic Map

Poarch Creek Indians Utility Authority
Aplin Road
Atmore, Alabama 36502
Escambia County



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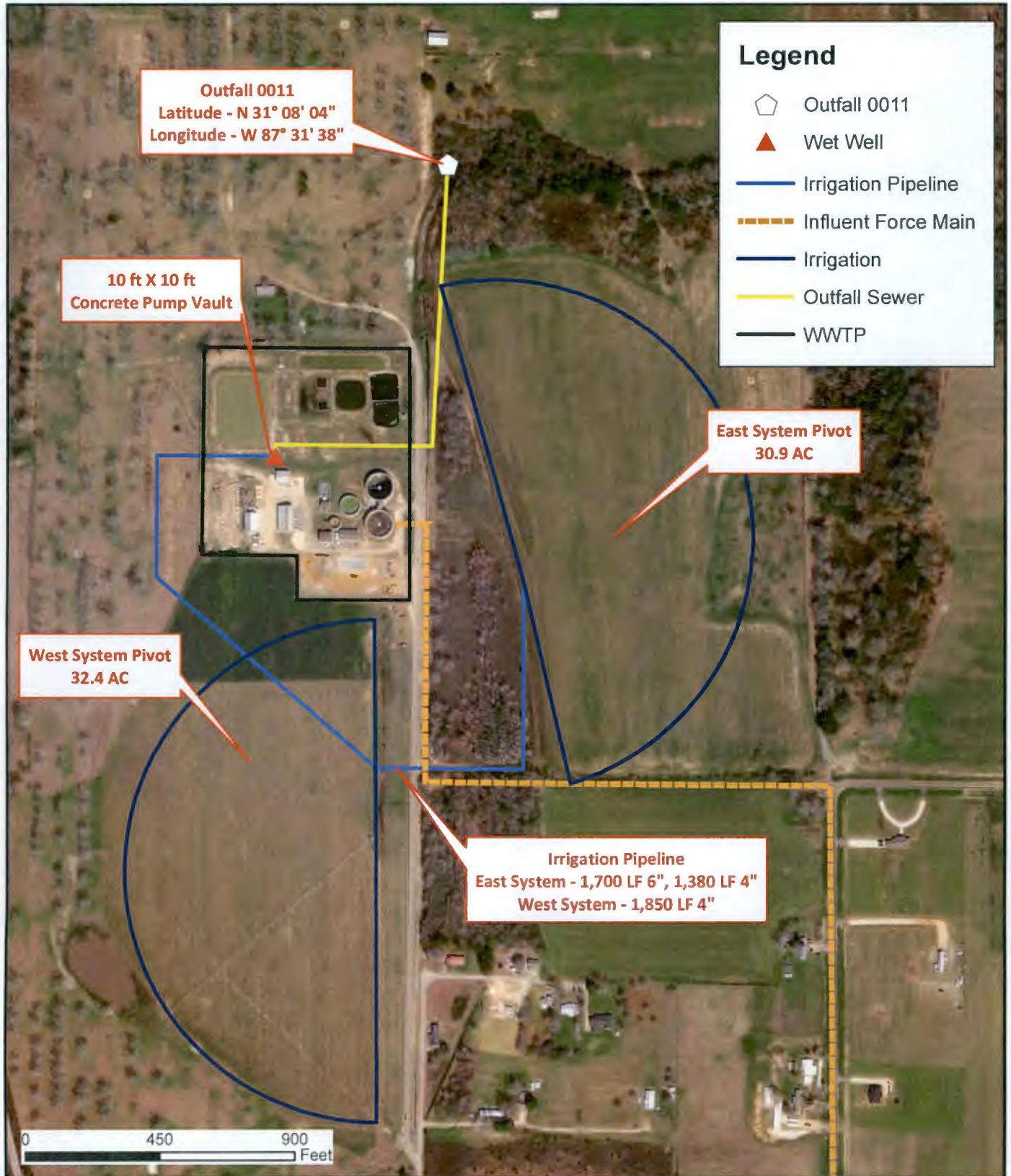


Figure 2
WWTP System Overview

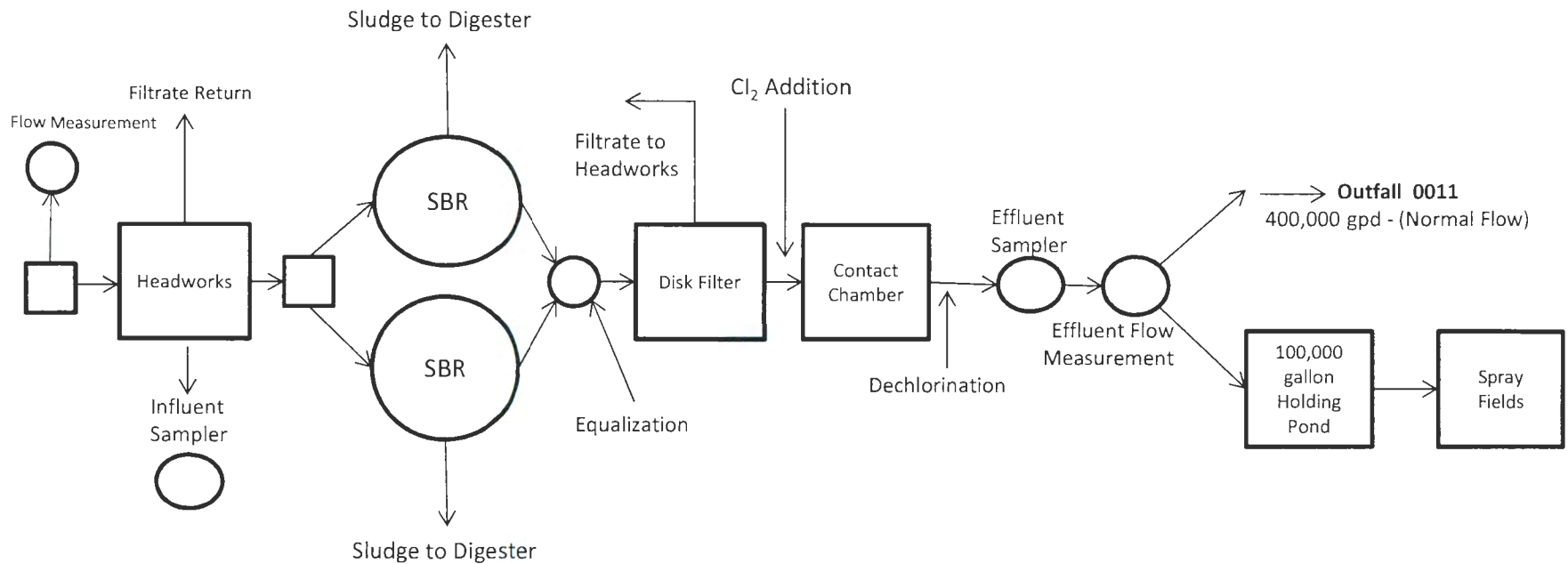
Poarch Creek Indians Utility Authority
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Escambia County



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Figure 3
Process Flow Schematic

Poarch Creek Indians Utility Authority
Aplin Road
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0 170 340 Feet


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Figure 4
Facility Layout

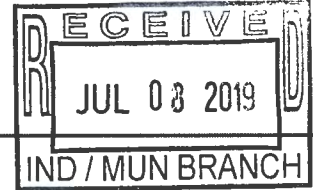
Poarch Creek Indians Utility Authority
Aplin Road
Atmore, Alabama 36502
Escambia County



**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



PURPOSE OF THIS APPLICATION

- Initial Permit Application for New Facility*
- Modification of Existing Permit
- Revocation & Reissuance of Existing Permit

- Initial Permit Application for Existing Facility*
- Reissuance of Existing Permit

* An application for participation in the ADEM's Electronic Environmental (E2) Reporting must be submitted to allow permittee to electronically submit reports as required.

SECTION A – GENERAL INFORMATION

1. Facility Name: Poarch Creek Wastewater Treatment Plant

a. Operator Name: Poarch Creek Indians Utility Authority

b. Is the operator identified in A.1.a, the owner of the facility? Yes No
 If no, provide name and address of the operator and submit information indicating 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: AL 0079880 (Not applicable if initial permit application)

3. Facility Physical Location: (Attach a map with location marked; street, route no. or other specific identifier)
 Street: 263 Aplin Road

City: Atmore County: Escambia State: AL Zip: 36502

Facility Location (Front Gate): Latitude: 31° 07' 52.04" Longitude: -87° 31' 37.27"

4. Facility Mailing Address: 5811 Jack Springs Road

City: Atmore County: Escambia State: AL Zip: 36502

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

Name and Title: Josh Thomas, Executive Director

Address: 5811 Jack Springs Road

City: Atmore State: AL Zip: 36502

Phone Number: 251-446-1617 Email Address: jthomas@pci-nsn.gov

6. Designated Facility/DMR Contact:

Name and Title: Silas Holmes, Lead Operator

Phone Number: 251-253-5882

Email Address: sholmes@pci-nsn.gov

7. Designated Emergency Contact:

Name and Title: Shaun Livermore, Operations Manager

Phone Number: 251-253-8491

Email Address: slivermore@pci-nsn.gov

8. 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.5.

Name and Title: N/A

Address: _____

City: _____

State: _____

Zip: _____

Phone Number: _____

Email Address: _____

9. Permit numbers for Applicant's previously issued NPDES Permits and identification of any other State Environmental Permits presently held by the Applicant within the State of Alabama:

<u>Permit Type</u>	<u>Permit Number</u>	<u>Held By</u>
NPDES	AL0079880	Poarch Creek Wastewater Treatment Plant
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

10. 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>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

SECTION B – WASTEWATER DISCHARGE INFORMATION

1. List the following historical monthly flow rates recorded for the past five years for each outfall:

Outfall No.	Highest Flow in Last 12 Months (MGD)	Highest Daily Flow (MGD)	Average Flow (MGD)
0011	0.516	0.516	0.247

2. Attach a process flow schematic of the treatment process, including the size of each unit operation and sample collection locations.

3. Do you share an outfall with another facility? Yes No (If no, continue to B.4)
 For each shared outfall, provide the following:

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

4. 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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
	Sampling Equipment	<input type="checkbox"/> Yes	<input checked="" 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:

Hach automatic samplers at locations indicated in attached schematic.

5. 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

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

N/A

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
Domestic Wastewater	Various treatment tankage
Treated Domestic Wastewater	On-Site Storage Pond for Spray Irrigation

Describe the location of any sites used for the ultimate disposal of solid or liquid waste materials or residuals (e.g. sludges) generated by any wastewater treatment system located at the facility.

Description of Waste	Quantity (lbs/day)	Disposal Method*
Class B Residuals	1200	Timberlands Sanitary Landfill

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

SECTION D – INDUSTRIAL INDIRECT DISCHARGE CONTRIBUTORS

a. 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?	
N/A				<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

b. 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:

- | | Yes | No |
|--|--------------------------|--------------------------|
| 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.

1. 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.

2. 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. All applicants must submit Form 1.
2. 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.
3. Applicants for new or existing land application of sanitary wastewater must submit Form 2A and, if the land application site is not completely bermed to prevent runoff, applicants must also submit Form 2F.
4. Applicants for new and existing discharges of process wastewater from water treatment facilities (i.e. public water supply treatment plants) must submit Form 2C.
5. 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

Any Engineering Report or Best Management Practice (BMP) Plans required to be submitted to ADEM by the applicant must be in accordance with ADEM 335-6-6-.08(i) & (j).

SECTION I- RECEIVING WATERS

Outfall No.	Receiving Water(s)	303(d) Segment?		Included in TMDL?*	
0011	Unnamed Tributary to Bell 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: 6-26-2019

Name and Title: Josh Thomas, Executive Director

If the Responsible Official signing this application is not identified in Section A.5 or A.8, provide the following information:

Mailing Address: 5811 Jack Springs Road

City: Atmore State: AL Zip: 36502

Phone Number: 251-446-1617 Email Address: jthomas@pci-nsn.gov

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.

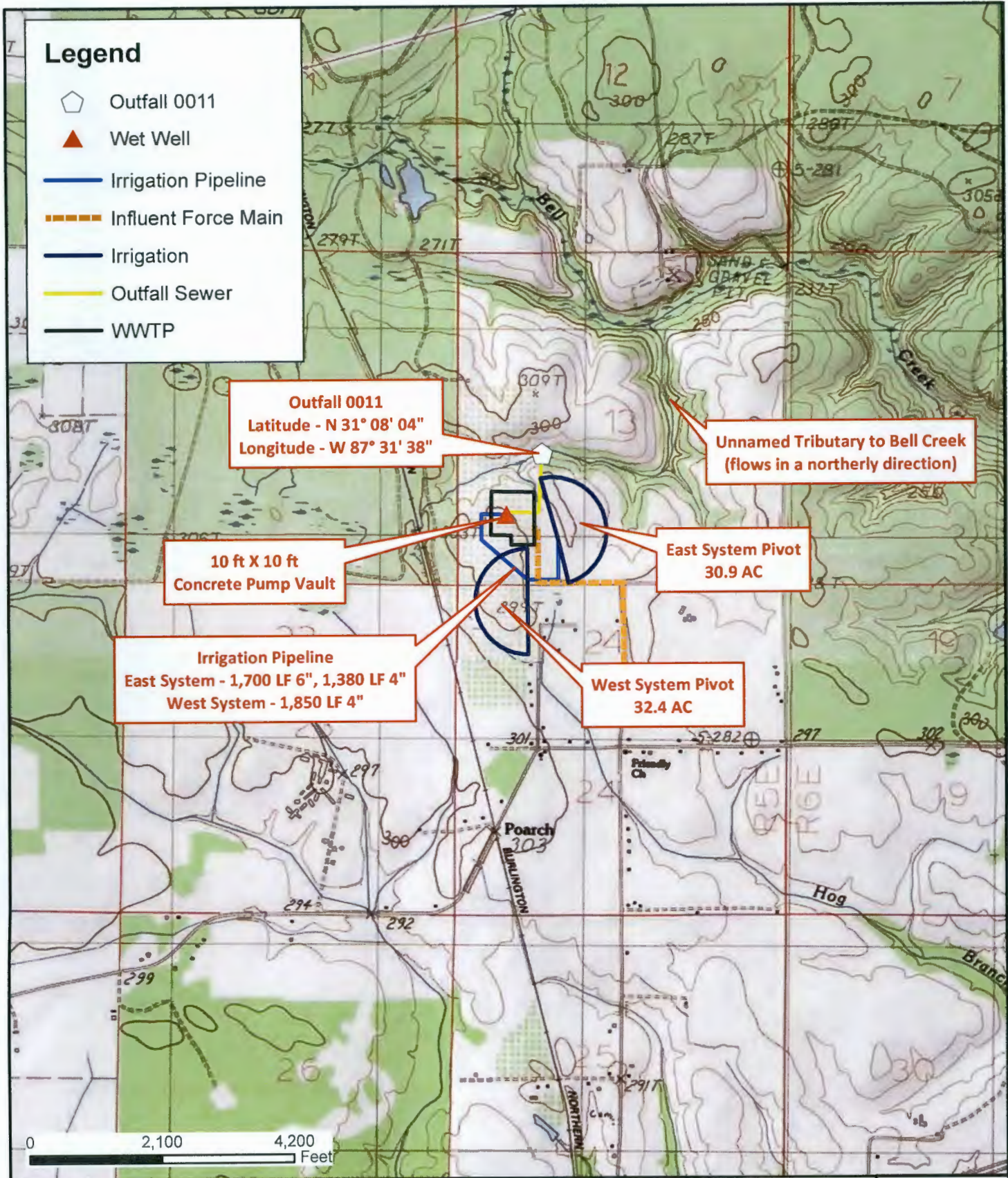


Figure 1
Topographic Map

Poarch Creek Indians Utility Authority
Aplin Road
Atmore, Alabama 36502
Escambia County



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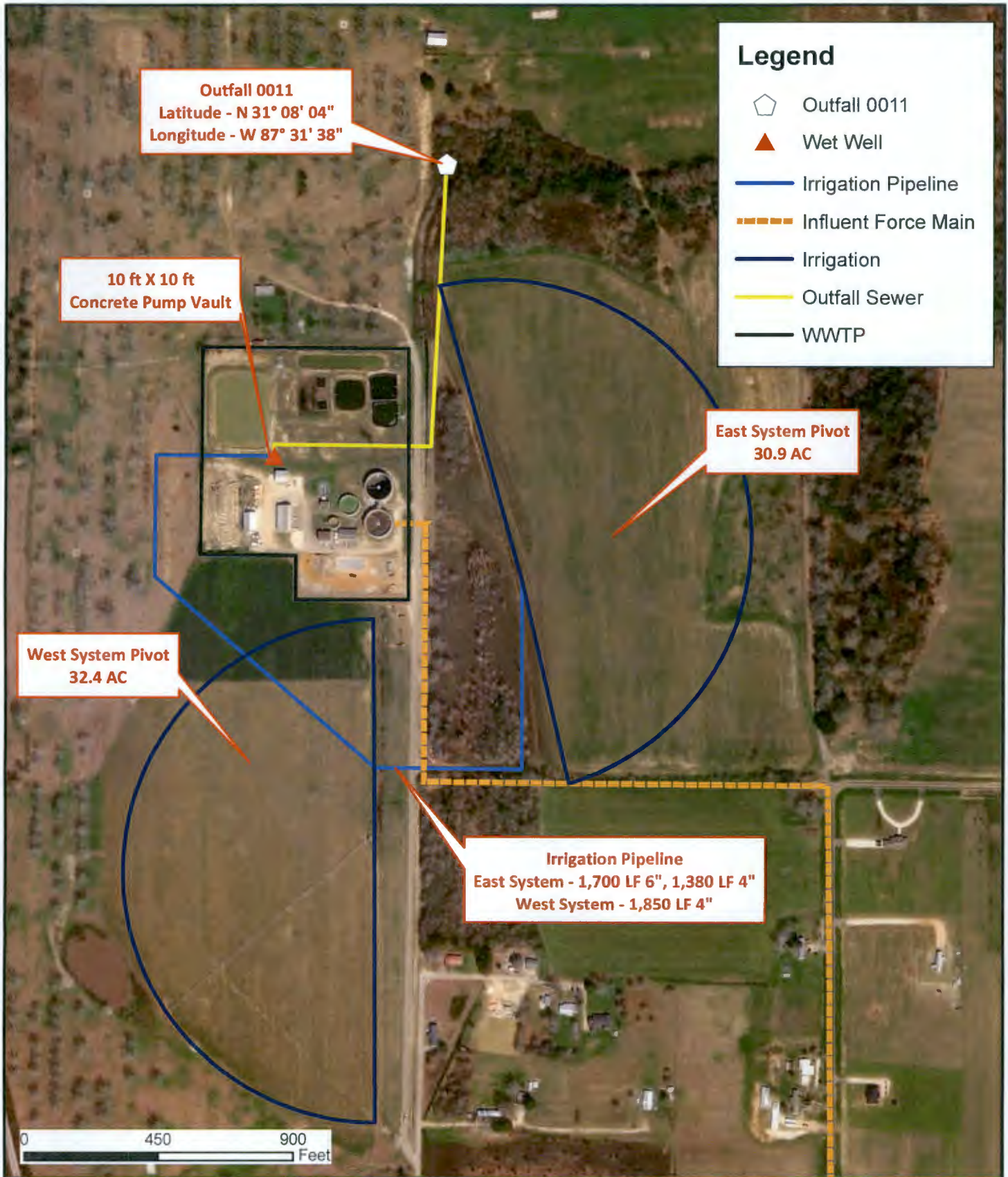


Figure 2
WWTP System Overview

Poarch Creek Indians Utility Authority
Aplin Road
Atmore, Alabama 36502
Escambia County

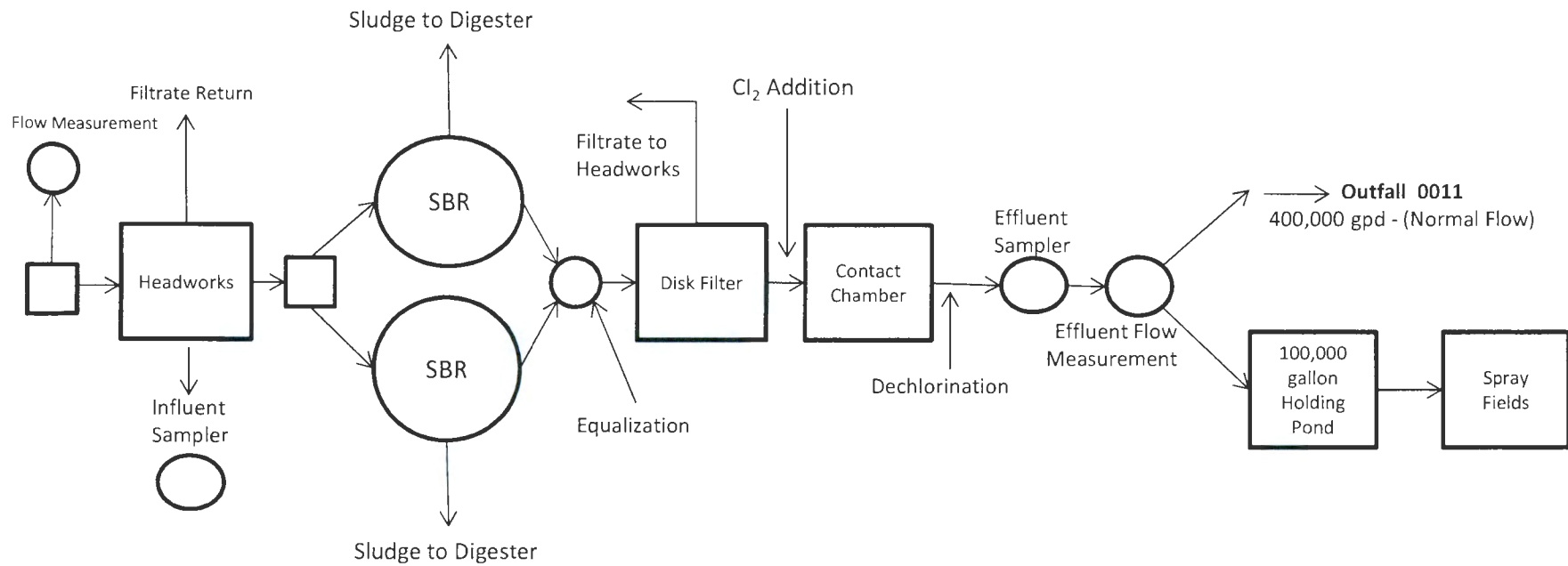


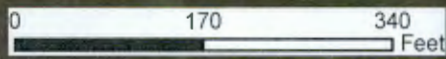
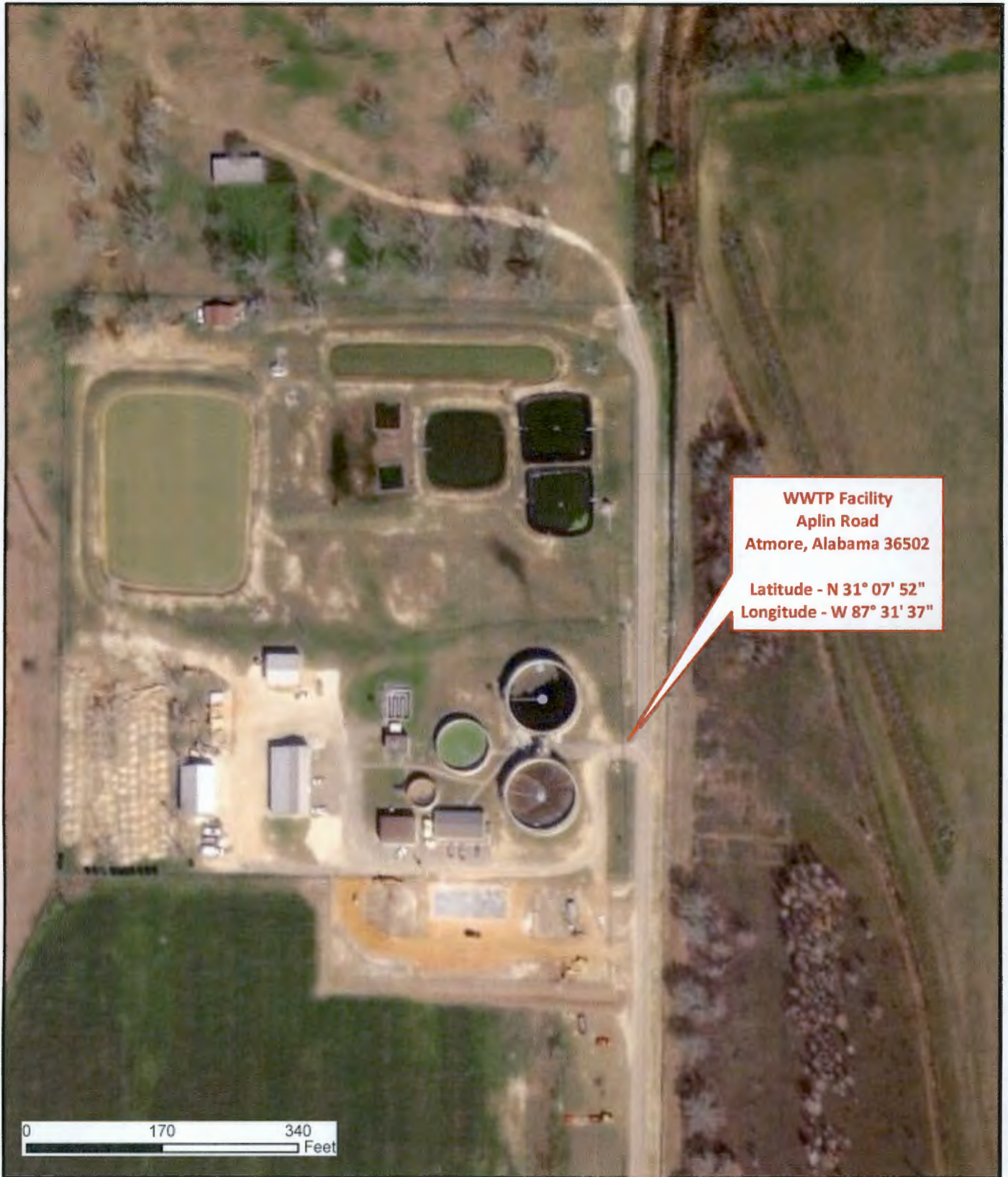
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Figure 3
Process Flow Schematic

Poarch Creek Indians Utility Authority
Aplin Road
Atmore, Alabama 36502
Escambia County





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Figure 4
Facility Layout

Poarch Creek Indians Utility Authority
Aplin Road
Atmore, Alabama 36502
Escambia County





Sewer Utility Ordinance

Section 1: Purpose

In accordance with the statutes of the State of Alabama, the United States Environmental Protection Agency, and the Poarch Band of Creek Indians (PCIUA) Code of Ordinances, as most recently amended, the Poarch Band of Creek Indians Utility Authority (PCIUA) has established the following General Rules and Regulations for the safe, economical and efficient management and proper operation of PCIUA Sewer Utility, for the construction and use of sewers, building sewers, appurtenances, and connections to the collection system; for the regulation, collection, and refunding of rates and charges for sewer service; and for the implementation of the provisions of the PCIUA Code of Ordinances and Development Standards.

Section 2: Definitions

For the purposes of these Rules and Regulations, words and terms shall have their ordinary and usual meanings. Words and terms used herein shall have meanings as defined in either the Poarch Band of Creek Indians Code of Ordinances, as most recently amended, or as appropriate to the context used.

Shall means mandatory; **may** means permissible. Pursuant to 40 CFR 403.3, the following definitions are adopted.

Act – The Federal Water Pollution Control Act, also known as The Clean Water Act, as amended, 33 U.S.C. 466, as referred to at IC 13-18-13.

Authorized or Duly Authorized Representative of the User

1. If the User is a corporation:
 - a. The president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or
 - b. The manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or actions taken to gather complete and accurate information for individual wastewater discharge permit requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - c. If the User is a partnership or sole proprietorship: a general partner or proprietor, respectively.
 - d. If the User is a Federal, State, or local governmental facility: a director or highest official appointed or designated to oversee the operation and performance of the activities of the government facility, or their designee.
 - e. The individuals described in paragraph (a), above, may designate a Duly Authorized Representative if the authorization is in writing, the authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company and the written authorization is submitted to PCIUA.



Sewer Utility Ordinance

Available – A sewer is considered to be available for use by a property if it is abutting that property or is located within the public right-of-way or an easement adjacent to the property, has capacity available, and is of a nature intended to collect sewage from individual properties.

Building (or House) Drain – That part of the lowest piping of a drainage system which receives the discharge from soil, waste and other drainage pipes inside the walls of the building and conveys it to the building sewer.

1. **Combined** – A building drain which conveys both sewage and storm water or other drainage.
2. **Sanitary** – A building drain which conveys sewage only.
3. **Storm** – A building drain which conveys storm water or other drainage, but not sewage.

Building (or House) Drain Connection – The point where the building (or house) drain is connected to the building sewer at a location approximately three feet outside the foundation wall of the building.

Building (or House) Sewer – A private sewer that connects building plumbing to a public sewer. A building sewer normally begins outside the building foundation.

1. **Combined** – A building sewer which conveys both sewage and storm water or other drainage.
2. **Sanitary** – A building sewer which conveys sewage only.
3. **Storm** – A building sewer which conveys storm water or other drainage, but not sewage.

Building (or House) Connection (Sewer Tap) – The point where the building sewer is connected to the public sewer.

Categorical Industry – An industry whose effluent is regulated by 40 CFR 403.6.

Classification of Users – Customers of the Water Pollution Control (Wastewater) Utility can be classified into the following general categories:

1. **Residential Users.** Includes any user of PCIUA's treatment works whose lot, parcel or real estate or building is used for domestic dwelling purposes only.
2. **Commercial Users.** Includes all retail stores, restaurants, office buildings, laundries and other private business and service establishments, including those identified in the Standard Industrial Classification Manual, 1972, Office of Management and Budget Division I - Services.
3. **Industrial Users.** Includes any user of PCIUA's treatment works which is identified in the Standard Industrial Classification Manual, 1972, Office of Management and Budget, as amended and supplemented, under the following divisions; Division A-Agriculture, Forestry and Fishing; Division B-Mining; Division D-Manufacturing; Division E-Transportation, Communications, Electric, Gas and Sanitary. **Industrial Users shall be classified as follows:**
 - a. **Non-Discharge Users.** Includes all industries which discharge sanitary sewage only, and industrial users whose discharge is limited to non-contact cooling water, or boiler blow-down water.
 - b. **Non-Major Industrial Users.** Includes all industries that discharge process water but do not meet the criteria of **Significant Industrial users (SIU)**.
 - c. **Significant Industrial users (SIU).** Includes all industries comprised of categorical and non-categorical industries and shall further be defined as set out at 40 CFR 403.3(t).
4. **Institutional Users.** Includes social, charitable, religious and educational activities such as schools, churches, hospitals, nursing homes, penal institutions and similar institutional users.



Sewer Utility Ordinance

5. **Governmental Users.** Includes legislative, judicial, administrative and regulatory activities of federal, state and local governments.

Cleanout – A pipe or some other opening through which a device may be run to unplug a sewer.

Collection System – The network of sewers and appurtenances used for collecting, transporting and pumping sewage to the Water Pollution Control (Wastewater Treatment) Plant.

Collector Sewer – Sewer that is primarily installed to receive wastewater directly from building or house sewers and convey the wastewater to an interceptor sewer.

Compatible Pollutant – Any pollutant that is treatable at the Water Pollution Control (Wastewater Treatment) Plant and that does not cause interference or pass through.

Composite Sample – The sample resulting from the combination of discrete wastewater samples taken at selected intervals while the discharge rate is at or above normal based on an increment of either flow or time. Time intervals between discrete samples not to exceed two hours. The total duration of collection shall not exceed 24 hours.

Customer or Consumer – The person having any interest, whether legal or equitable, sole or only partial, either as tenant, contract purchaser or owner, in any property which is, or is to be, connected to a PCIUA-maintained sanitary sewer, either temporarily or permanently, by the Water Pollution Control (Wastewater) Utility and all those having such interest.

Defrauding the Utility – The act of requesting or receiving utility service(s) under fictitious circumstances or any other act done with the intent to deprive PCIUA of its right to payment.

Developer – An individual, corporation or organization that is engaged in or proposes activity on real estate for the purpose of providing infrastructure, lots, tracts or structures for residential, commercial, industrial public or quasi-public purposes.

Director – The director or chief administrative officer of PCIUA, or authorized designee.

Dwelling – A building, or portion thereof, under one roof used primarily as the abode of one or more persons, but not including hotels, motels, lodging or boarding houses or tourist homes.

Effluent – The water, together with any wastes that may be present, flowing out of a building (or house) drain, sewer receptacle or outlet.

EPA or U.S. EPA – United States Environmental Protection Agency.

Emergency – An unforeseen circumstance or combination of circumstances that may cause an eminent endangerment to the health and/or welfare of persons, the environment, or which may interfere with the operation of the sewer collection system or the Water Pollution Control (Wastewater Treatment) Plant.



Sewer Utility Ordinance

Follow-up Sample – A sample taken of a user's effluent at PCIUA's discretion from a user receiving scheduled sampling, at times other than those regularly scheduled. A follow-up sample shall be done at no cost to the user.

Garbage – Any solid wastes from the preparation, cooking or dispensing of food or from the handling, storage or sale of produce.

Grab Sample – An individual discrete effluent sample collected over a period of time not to exceed 15 minutes.

Ground Garbage – Garbage that is shredded to such a degree that all particles will be carried freely in suspension under the conditions normally prevailing in public sewers, with no particle being greater than one-half inch in any dimension.

Impervious Surface – Areas that have been paved and/or covered with buildings and materials which include, but are not limited to, concrete, asphalt, rooftop and blacktop, such that the infiltration of water into the soil is prevented.

Incompatible Pollutants – Any pollutant that is not a compatible pollutant or that would cause damage to the collection system and/or Water Pollution Control (Wastewater Treatment) Plant.

Indirect Discharge – The introduction of pollutants into the collection system from any non-domestic source regulated under Section 307(b), (c) or (d) of the Act.

Industrial Waste – Any solid, liquid or gaseous substance, or form of energy discharged, permitted to flow or escape, or transported from an industrial, manufacturing, commercial or business operation or process, or from the development, recovery or processing of any natural resource carried on by any person.

Influent – The water, together with any wastes that may be present, flowing into a drain, sewer, receptacle or outlet.

Interceptor Sewer – Principal sewer to which collector sewers are tributary. Interceptor sewers convey wastewater to the Water Pollution Control (Wastewater Treatment) Plant or other disposal facilities.

Interface – Interference means a discharge that, alone or in conjunction with a discharge or discharges from other sources, does one (1) of the following:

1. Inhibits or disrupts the POTW, its treatment processes or operations, its sludge processes, or its selected sludge use or disposal methods.
2. Causes a violation of any requirement of the POTW's NPDES permit, including an increase in the magnitude or duration of a violation.
3. Prevents the use of the POTW's sewage sludge or its sludge disposal method selected in compliance with the following statutory provisions, regulations, or permits issued there under or more stringent state or local regulations:
 - a. Section 405 of the Clean Water Act (33 U.S.C. 1345).
 - b. The Solid Waste Disposal Act (SWDA) (42 U.S.C. 6901), including:



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- i. Title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA); and
- ii. The rules contained in any state sludge management plan prepared pursuant to Subtitle D of the SWDA (42 U.S.C. 6941).
- c. The Clean Air Act (42 U.S.C. 7401).
- d. The Toxic Substances Control Act (15 U.S.C. 2601).

Meter -A mechanical device used to measure and record the quantity of water supplied to a customer or the quantity of wastewater discharged from a customer. The meter is the official recorder of the amount of water consumed or wastewater discharged by a customer.

Month -The period between any two consecutive regular billings by PCIUA for service rendered to a customer at his premises. Such billings are scheduled at intervals of approximately thirty (30) days. For purposes of billing, a month is 25 - 35 days. Any bills produced outside this parameter shall be pro-rated on a per day basis.

Monthly Meter Service Fee -A charge assessed each customer to recover administrative costs and those associated with billing, meter reading and maintenance of the water system, based on the size of the meter.

New Source:

1. Any building, structure, facility, or installation from which there is (or may be) a discharge of pollutants, the construction of which commenced after the publication of proposed Pretreatment Standards under section 307(c) of the Act that will be applicable to such source if such Standards are thereafter promulgated in accordance with that section, provided that:
 - a. The building, structure, facility, or installation is constructed at a site at which no other source is located; or
 - b. The building, structure, facility, or installation totally replaces the process or production equipment that causes the discharge of pollutants at an Existing Source; or
 - c. The production or wastewater generating processes of the building, structure, facility, or installation are substantially independent of an Existing Source at the same site. Determining whether these are substantially independent, factors such as the extent to which the new facility is integrated with the existing plant, and the extent to which the new facility is engaged in the same general type of activity as the Existing Source, should be considered.
2. Construction on a site at which an Existing Source is located results in a modification rather than a New Source if the construction does not create a new building, structure, facility, or installation meeting the criteria of Section (1) (b) or (c) above but otherwise alters, replaces, or adds to existing process or production equipment.
3. Construction of a New Source as defined under this paragraph has commenced if the owner or operator has:
 - a. Begun, or caused to begin, as part of a continuous onsite construction program
 - i. any placement, assembly, or installation of facilities or equipment; or
 - ii. significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or



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- b. Entered into a binding contractual obligation for the purchase 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.

NPDES Permit – The National Pollutant Discharge Elimination System Permit issued by the Alabama Department of Environmental Management (ADEM) for discharges of waste waters to navigable waters of the United States.

Operation and Maintenance Costs – All costs direct and indirect, other than debt services including replacement costs as defined herein, necessary to insure adequate wastewater treatment on a continuing basis conforming with federal, state or local requirements and to insure long-term facilities management.

Owner – Designates the person holding the deed or record title to a premises. For the purposes of these Rules and Regulations, a contract purchaser is not considered an owner unless the contract has been duly recorded by PCIUA.

Pass Through – A discharge which exits the Water Pollution Control (Wastewater Treatment) Plant into waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the Water Pollution Control (Wastewater Treatment) Plant's NPDES permit (including an increase in the magnitude or duration of a violation.)

PCI – Poarch Creek Band of Indians.

PCIUA – Poarch Creek Band of Indians Utility Authority.

Person – Any individual, owner, discharger, lessee, occupant, firm, partnership, company, municipal or private corporation, commercial establishment, association, society, institution, enterprise, governmental agency or other legal unit or entity.

pH – An expression of the intensity of the base or acidic conditions of a liquid.

Publicly Owned Treatment Works (POTW) – All facilities and systems for collecting, transporting, pumping, treating, and disposing of sewage and sludge, including the Water Pollution Control (Wastewater Treatment) Plant and the sanitary, storm, and combination sewer collection systems, whether or not in active use, which are owned by a state, municipality, city, town, special sewer district, or other publicly owned or financed entity.

Replacement Costs – That cost, stated in current monetary values, as an operating cost which represents and measures the expenditures required to replace equipment, accessories or appurtenances of the property in order to maintain capacity and performance during the useful life of the property of the Water Pollution Control (Wastewater) Utility.



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Sanitary Sewage – Sewage discharged from the sanitary conveniences of dwellings, apartment houses, condominiums, motels, hotels, lodging or boarding house, office buildings, factories or institutions, and free from storm water, surface water, and groundwater.

Scheduled Sample – Routine sampling of a user's effluent, usually twice a year for a commercial user and quarterly for industrial users.

Service Charge – A charge levied on a user of the treatment works that includes the user charge, a charge for local capital costs, and may include other charges for current services.

Sewage – The water-carried wastes from residences, business buildings, institutions and industrial establishments, singularly or in any combination, together with such ground, surface and storm waters as may be present.

Sewer – A pipe or conduit for carrying sewage and other waste liquids as differentiated below:

1. **Combined or Combination Sewer.** A sewer that carries storm, surface and groundwater runoff as well as sewage.
2. **Private Sewer.** Sewer owned and maintained by a private company, person, group of persons or other private entity.
3. **Public Sewer.** A sewer to the use of which all owners of abutting property have equal rights and is controlled and maintained by PCIUA.
4. **Sanitary Sewer.** A sewer that carries domestic and industrial sanitary sewage and to which storm, surface, ground waters and unpolluted industrial wastewaters are not intentionally admitted.
5. **Storm Sewer.** A sewer designated or intended to convey only stormwater, surface runoff, street wash waters and drainage and not intended for sanitary sewage and industrial wastes other than unpolluted cooling water.

Sewer Billing Fee – The monthly billing charge that covers administrative costs associated with billing, which includes the costs of reading the meter.

Sewer Section – A continuous length of sanitary sewer that is between two (2) manholes or between a manhole and a cleanout.

Significant Non-Compliance (SNC) – Significant Non-Compliance is defined as set out in 40 CFR 403.8(f) (2) (vii) and Rule 12.

Slug Discharge or Slugload – Any discharge of a non-routine, episodic nature, including but not limited to, an accidental spill or a non-customary batch discharge.

Standard Industrial Classification (SIC) Code – A classification pursuant to the Standard Industrial Classification Manual used by the U.S. Office of Management & Budget.

Standard Methods – The examination and analytical procedures set forth in the most recent edition of Standard Methods for the Examination of Water and Wastewater, published jointly by the American



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Water Works Association (AWWA) and the Water Environment Federation (WEF), a copy of which is on file in the Office of the Superintendent.

Superintendent – The Superintendent of the Water Pollution Control (Wastewater Treatment) Plant, or a designee.

Ten State Standards – Recommended Standards for Wastewater Facilities. Most recent addition.

Toxic Pollutant - One of 126 pollutants, or combinations of those pollutants, listed as toxic in regulations promulgated by the U.S. EPA under the provisions of Section 307 (33 USC 1317) of the Act.

User – Any domestic or non-domestic discharger of wastewater which introduces pollutants to the Publicly Owned Treatment Works (POTW).

User Charge -A charge imposed on the users of the Water Pollution Control (Wastewater) Utility to defray the cost of operation, maintenance and replacement.

User Requested Sample -Any effluent sample taken by PCIUA at the request of the user, the cost for which shall be billed to the user.

Utility – The Utility Authority of the Poarch Creek Band of Indians.

Waste Surveillance Charge - A monthly charge collected from users, qualifying as industrial or commercial class users, to defray the cost of evaluating that user's waste by sampling, laboratory analysis and/or other methods deemed necessary. Said charges shall be as determined by the PCIUA as reflected in the in-force rate structure summaries.

Water Pollution Control (Wastewater Treatment) Plant (WPC Plant) - The arrangement of devices, structures and equipment used for treating and disposing of sewage and sludge, which is owned, controlled and maintained by PCIUA.

Water Pollution Control Utility (Wastewater Utility) All facilities and systems for collecting, transporting, pumping, treating, disposing of sewage and sludge, including the sewage treatment plant and the sanitary, storm and combination sewer collection systems whether or not in active use.

Section 3: Connection to Public Sanitary Sewer

A new connection may be made to a PCIUA sewer or sewers connected to the PCIUA system only after there has been adequate assurance by PCIUA that the downstream facilities of the collection system have adequate capacity to transmit and treat the new waste loadings.

The PCIUA Code of Ordinances requires that every property in the PCIUA service area that receives water service from the PCIUA, shall connect to the collection system whenever a sanitary sewer is available for use. The connection to the collection system shall be made within one hundred and twenty (120) days after such sanitary sewer is available. A sewer is considered to be available for use by a property if it is abutting that property, or is located in the public right-of-way or easement adjacent to the property, has capacity available, and is of a nature intended to collect sewage from individual



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properties. An interceptor sewer is not intended to collect sewage via direct building (house) sewer connections. A sewer is considered to abut a property if it is located within a public right of way or easement that is adjacent to or abuts any part of the property that could be served. Those properties not abutting a PCIUA sewer, but within three hundred feet (300') of an available sewer, shall make arrangements to have sewer extended to their property. Public sewers may be extended by private property owners once plans have been reviewed and approved by the PCIUA in accordance with PCIUA Development Standards. Property owners may also petition the Authority for a sewer extension project. Property owners shall pay for a portion of the sewer extended through a petition-initiated project in accordance with the funding guidelines in effect at the time of the petition. Connection to the new sewer may not be made until the Authority accepts the main, or a Prime Contractor's Release is executed by the PCIUA Utility Authority. A connection to the public sewer may be accomplished as follows:

1. Where a tap-in connection is employed, the point of connection shall be where the end of the building sewer meets the inside face of the public sewer and the tapping saddle and/or joint shall be considered part of the building sewer.
2. Where fittings (T's or Y's) are employed, the connection shall be where the end of the first pipe meets the end of the fitting and the said T or Y fitting shall be considered a part of the building sewer.

Any property that has a public sewer available but is not connected shall be referred to the PCIUA for enforcement of applicable sanitary codes requiring connection to such public sewer. PCIUA may, on written application and proof of economic hardship, extend the time within which a property shall be connected to the PCIUA collection system. For properties that fail to make the connection in the prescribed time, a monthly bill may be issued to the property owner reflecting the current minimum bill amount.

Section 4: Building or House Sewers

1. No unauthorized person shall uncover, make any connection with or opening into, use, alter, or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the Authority's permitting division.
2. All costs and expenses incidental to the installation and connection of the building sewer shall be borne by the owner. The owner shall indemnify PCIUA for any loss or damage directly or indirectly occasioned by the installation of the building sewer, including water damages from the backup of the public sewer system.
3. A separate and independent building sewer shall be required for every building, except where one building stands at the rear of another on an interior lot and where no private sewer is available or can be constructed to the rear building through an adjoining alley, courtyard, or driveway. The building sewer from the front building may be extended to the rear building and the whole pipe considered as one building sewer.
4. A building sewer shall not cross the property of another private owner unless such private owner has granted a permanent easement for such building sewer which is duly recorded in applicable PCIUA records.
5. Existing building sewers may be used in connection with new buildings only when they are found, upon examination and test, to meet the current code requirements for building sewers.
6. The installation of a building or house sewer shall comply with the PCIUA Code of Ordinances and applicable sections of the PCIUA Development Standards.



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7. PCIUA shall have no responsibility for the installation, maintenance and repair of building sewers, nor shall it be responsible for repair of building sewer connections including joints and fittings, if installed by a private contractor.
8. It is recommended that gravity building sewer connections only be constructed for homes or buildings where the lowest elevation to have sanitary services is one foot (1') or more above the top of the manhole casting elevation of the first upstream manhole on the public sewer to which the connection is proposed to be made. In instances where this one-foot distance is not achievable and in areas susceptible to back-ups, proper backflow prevention shall be designed. If the first upstream manhole is at a higher elevation due to the natural topography of the area, an alternate method may be selected by the PCIUA for the purpose of determining the feasibility of gravity connection.
9. A gravity building sewer connection will NOT be allowed for homes or buildings where the lowest elevation to have gravity sanitary services is less than one foot (1') above the top of the manhole casting elevation of the first upstream manhole on the public sewer to which the connection is proposed to be made. If the first upstream manhole is at a higher elevation due to the natural topography of the area, an alternate method may be selected by the PCIUA for the purpose of determining the feasibility of gravity connection. In instances in which gravity flow is not permitted, sanitary sewage carried by building sewers shall be lifted by an approved means (i.e., grinder pumps) and subsequently discharged to the public sewer.
10. No person shall connect any roof downspout, exterior foundation drain, or other source of surface runoff or groundwater to a building sewer or building drain that is connected either directly or indirectly to a sanitary sewer of the Water Pollution Control Utility (Wastewater Utility).
11. The connection of the building sewer into the public sewer shall conform to these applicable Rules and Regulations. All such connections shall be made gastight and watertight. Any deviation of the prescribed procedure or material must be approved by the PCIUA prior to installation.
12. The PCIUA shall have the authority to require an owner of real property to disconnect any downspouts, yard drains or other drains which carry natural precipitation runoff from a building sewer and which drain into a sanitary sewer. Property owners shall have thirty (30) days after notice thereof to comply with any such requirement.
13. The PCIUA shall have the authority to require that runoff from new construction or redevelopment tributary to any combined sewer be designed to minimize or delay inflow contribution to the existing combined sewer system.
14. The PCIUA shall have the authority to require that for any new construction with new impervious surface, any new storm sewer connection to any existing combined sewer shall be made separate and apart from the sanitary sewer connection in order to facilitate future disconnection from the combined sewer in the event a separate storm sewer subsequently becomes available.
15. No owners of or persons controlling any real property shall allow soil to enter any building sewer constructed to serve said property at any time.
16. All excavations for building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to PCIUA.
17. No owners of or persons controlling any real property shall tap or drain either directly or indirectly into any public sewer until a sewer tap permit has been obtained from PCIUA, and



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- until owner has satisfied the obligation to pay all assessments, reimbursements and pro rata shares of sewer extension costs levied against that property for public sewers which serve it. A sewer tap permit given in error shall not operate to nullify any such obligation that has been duly recorded nor stop PCIUA from charging and collecting such costs at any subsequent time.
18. From time to time, the PCIUA may permit any persons to tap or drain into a public sewer and to defer, in whole or in part, payment of the obligation, upon the execution and delivery to the Authority of a note, mortgage, lien document or other evidence of obligation acceptable to the Authority.
 19. All such deferred obligations shall be considered to be fees assessed against real property.
 20. Installments of deferred obligations, including any finance charges or interest chargeable thereon, shall be deemed to be charges for sewer service for the purposes of the PCIUA Code of Ordinances.
 21. Sewer tap permits shall be obtained from the PCIUA and shall be issued only to licensed sewer tap contractors, who shall pay a fee based on service size and connection point at the time of permit application. The cost of all permits shall be as outlined by the latest documents drafted by PCIUA. Six-inch (6) tap connections into a sewer structure as opposed to direct connection into a sewer line, or taps larger than six inches (6) shall require approval from PCIUA. Not later than forty-eight (48) hours after making each sewer tap and building sewer installation, the tap contractor or property owner shall notify the PCIUA of such connections so that an inspection may be made by PCIUA prior to backfilling the sewer installation. Hours during which inspection requests will be accepted will be established by PCIUA.
 22. In cases of requests for connections to newly constructed mains prior to acceptance by the PCIUA, a Prime Contractor's Release must be executed and granted by PCIUA. Upon satisfaction of all other requirements, a permit for connection may be issued.
 23. No person shall make use of a sewer tap or backfill or otherwise conceal a sewer installation unless and until the same has been inspected and approved by PCIUA. In addition to all other remedies, PCIUA may cause the installation of sewer tap to be excavated and exposed, may terminate the connection and may require the owner or occupant to pay or reimburse the PCIUA for its costs and expenses in such excavation, exposure, termination, reconnection and restoration. Such costs and expenses shall be considered as charges for sewage treatment services and may be collected in accordance with the PCIUA Code of Ordinances.
 24. The PCIUA shall have the authority to repair, as deemed necessary, building sewers or building sewer connections when PCIUA has determined that the disrepair has a detrimental effect on the public sewer system or is causing damage to a surface improvement or any other PCIUA facility, structure or property. The property owner shall reimburse PCIUA for a portion of its costs and expenses associated with making such repair. Such costs and expenses shall be considered as charges for sewage treatment services and shall be billed to the property owner. The cost of the repair billed to the property owner may be limited and the property owner's share may be financed over time when the property owner qualifies under the guidelines established by the PCIUA.

Section 5: Licensed Building Sewer Contractors

1. In order to maintain strict control and quality of the collection system, all contractors and/or plumbers who connect, install, repair and/or replace a sanitary sewer tap shall be required to have a valid sewer license or registration. At the discretion of PCIUA, statements of qualifications outlining the individual or Firm's qualifications as they relate to this type of work



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- may be required. Statements of qualification shall be required for new applicants, for those whose licenses have been expired for more than one (1) year and for those whose licenses have been suspended.
2. Plumbers who connect, install, repair and/or replace sanitary sewer taps and are currently licensed with the State of Alabama shall register with the PCIUA as a building sewer contractor, and upon registration shall be exempt from any other proof of qualifications.
 3. After successfully submitted and upon receipt of approval of the Statement of Qualifications, or being exempted therefrom, the Contractor may purchase a license or registration for the current calendar year, renewable annually on the first day of each succeeding year, to install building sewer taps.
 4. An annual fee of Fifty (\$50.00) Dollars shall be paid to PCIUA by each licensed or registered sewer tap contractor.
 5. The contractor shall post a Performance Bond and Certificate of Liability Insurance with PCIUA.
 6. At the request of the PCIUA, but not more than once a year, all licensed or registered sewer tap contractors shall be required to attend a seminar sponsored by PCIUA. This seminar shall include information about installation, workmanship, materials, safety and health regulations, liability, PCIUA Code of Ordinances, and Development Standards.
 7. License/registration may be suspended if proper compliances are not met as outlined in the PCIUA Code of Ordinances. If the license is suspended as a result of lack of compliance with any section of the PCIUA Code of Ordinances or these Rules and Regulations, the Director shall require that the contractor: 1) bring into compliance the work that was the cause of the suspension, 2) successfully pass the registration requirements as outlined above, and 3) pay the registration fee prior to being relicensed.

Section 6: Extension of PCIUA Sewers

1. All new developments, subdivisions, apartment complexes, shopping centers, hotels, restaurants, or any other residential, commercial or industrial development shall include adequate public sanitary sewer systems.
2. If adequate public sewers do not exist, the developer shall extend or cause to be extended adequate public sewers. Plans for any public sewer extension must be approved by the PCIUA. All extensions must be designed and constructed in accordance with the PCIUA Development Standards Manual and in compliance with the Ten State Standards. The public sewer extension shall be extended within the right-of-way or an approved easement. The extension shall terminate at the point where the most remote tap would be made. In instances where the sewer extension parallels or is in close proximity to adjacent property, a public right of way or easement must be provided to permit the extension of the sewer by others to serve the adjacent property.
3. If a sewer is in an easement for several sewer sections, a manhole shall be installed on that sewer within the right-of-way of a crossing street in order to provide access for truck mounted maintenance equipment.
4. No person shall make use of a sewer extension, backfill or otherwise conceal a sewer installation unless and until the same has been inspected and approved by PCIUA. In addition to all other remedies, PCIUA may cause the said installation to be excavated and exposed, may terminate the connection, and may require the developer or contractor to pay or reimburse PCIUA for its costs and expenses in such excavation, exposure, termination, reconnection, and restoration.



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5. The PCIUA may accept petitions from property owners requesting the extension of public sanitary sewers. Under the Authority's policy, property owners abutting the sewer line shall pay for a portion of the cost of the sewer extension. Contact PCIUA for more information about the petition process.

Section 7: Septic Tank Cleanings and Industrial Wastes Accepted at the Wastewater Treatment Plant

1. No septic tank cleanings or Industrial wastes will be accepted at the WWTP.

Section 8: Flow Metering Equipment

1. When an industry has been determined by the Superintendent to be a Significant Industrial User, the Superintendent shall notify such industry and may, at Superintendent's sole discretion, require the installation, within one hundred twenty (120) days, of flow metering equipment for the purpose of determining the sewage flow or flows to the public sewer.
2. The specifications for any flow metering device and plans for installation shall be submitted to and approved by the Superintendent prior to its installation.
3. The cost of, and responsibility for, installation and maintenance of such equipment shall be the sole responsibility of said user.
4. The Authority may, upon application and proof of economic hardship or other reason, extend the time within which such equipment must be installed.

Section 9: Special Discharges

1. Any and all discharge of water from swimming pools shall be directed to a sanitary sewer. No discharge from swimming pools shall be allowed to flow, either directly or indirectly, on to the ground of the pool owner, on to the ground of other private property, or on to any public property or roadway.
2. Swimming pool discharges are allowed under the following conditions:
 - a. The chlorinated water must sit idle for seven (7) days following the most recent chlorination prior to discharge to a storm sewer; or
 - b. The swimming pool water must be analyzed to show that the discharge does not contain detectable concentrations of chlorine residual (less than 0.05mg/l). Approval for discharge of swimming pool water into the sewer system must be given by the PCIUA Director.
3. Under no circumstances shall anyone discharge any wastewater into any PCIUA owned or maintained inlet, catch basin or manhole without approval from the Superintendent of Water Pollution Control Maintenance.

Section 10: Service Charges

1. General
 - a. Charges for sewer service shall be computed and billed by PCIUA. Bills shall be rendered monthly, approximately every 30 days, unless additional billing is required to reflect customer changes, meter changes, service terminations, initial billings, or is otherwise required to adjust billing cycles.
 - b. Billings for sewer service shall be rendered with and shall be due and payable on the same due date as billings for water service to the same premises, if any. If none, then within such billing cycle as PCIUA may determine.
 - c. Bills shall be rendered monthly. If a bill is not paid on or before the due date indicated on the bill, the bill shall be considered delinquent.



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- d. Charges for sewer service shall be billed to the person being billed for water service, if any, unless, by contract with PCIUA, another person assumes responsibility for payment. In all other cases, sewer service shall remain the responsibility of the owner of the real estate, who shall hold the Utility harmless from any loss occasioned by the delinquency of the person billed, including all penalties, recording fees, attorney's fees, interest and court costs, if any.
- e. The owner of the real estate shall, upon request to the PCIUA, has the right to examine the PCIUA's records of billing and collection to ascertain whether such charges have been paid, and the amount thereof.
- f. Nothing herein contained shall permit the owner, or any person other than the person being billed, to inspect, examine or otherwise obtain confidential information including the income, employment, finances or social security number of the person being billed.
- g. Charges for sewer service levied pursuant to the PCIUA Code of Ordinances, shall be due and payable on or before the due date stated on the bill. Further, a delinquent sewer bill may be collected with any applied penalty, recording fees, service charges, attorney's fees, interest and court costs, if any, in accordance with the PCIUA Code of Ordinances
- h. Sewer billing shall commence with the billing for water service, the meter set date or date of occupancy whichever shall first occur.
- i. In the event the sewer user is not a metered PCIUA water customer, charges shall be imposed and charged as follows:
 - i. Residential – In the event the sewer customer is provided water service through a private well, that user shall be billed flat charges as established in the PCIUA Code of Ordinances; multi-family dwellings shall be billed at the appropriate flat rate multiplied by the number of units accommodated. However, if the sewer user is a metered customer of another utility, PCIUA shall bill that user according to its metered water consumption. Readings obtained by PCIUA for such purpose shall be presumed to be correct so long as readings from said meter are accepted as accurate for water billing purposed by the utility supplying the water and the customer.
 - ii. Metered Water (Commercial, Industrial, Institutional and Governmental) – If the sewer user is a metered customer of another utility, PCIUA shall bill that user according to its metered water consumption. Readings obtained by PCIUA for such purpose shall be presumed to be correct so long as readings from said meter are accepted as accurate for water billing purposes by the utility supplying the water and the customer.
 - iii. Unmetered Water (Commercial, Industrial, Institutional and Governmental) – Customers with an unmetered water source shall be required to install a water or sewage meter as determined by the PCIUA Director. All required meters shall be installed according to PCIUA' specifications, and the cost of installation, calibration and maintenance shall be the sole responsibility of the owner. The meter shall be used for billing purposes after it has been calibrated and accepted by PCIUA. The customer shall provide access to said water or sewage meter for the purpose of billing for sewer service.
 - iv. PCIUA shall retain documentation supporting its estimates and the billings based thereon. Such determination of billings may be reviewed and adjusted by PCIUA at



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any time. However, no adjustments, additional charge or refund may be made more than six (6) years after the due date of the billing sought to be adjusted.

- j. Any property found to be connected to a public sewer for the discharge of sewage without payment shall be placed on monthly billings immediately, and the user of the service shall be back-billed for the period of use either at the metered use charge or the monthly flat charge set out in the PCIUA Code of Ordinances.
2. Delinquencies
 - a. A penalty as indicated in the latest adoption of sewer rates shall be attached to the current delinquent charges.
 - b. Where the property having a delinquent account for charges for sewer service is served by PCIUA, PCIUA may shut off water service to the property. Water service shall not be restored until the delinquent account, together with the costs of turning off and turning on the water, shall have been paid.
 - c. Delinquent charges for sewer services and applied penalties, recording fees, and service charges may be made a lien upon the property and may be collected.
 - d. In addition to all other remedies provided, PCIUA may disconnect sewer service to the property. Sewer service shall not be restored until the delinquent account, together with the costs of terminating and reconnecting the sewer service, shall have been paid.
 - e. In addition to the foregoing remedies, PCIUA may file a civil action to recover the amount of the charges for sewer services penalties, and a reasonable attorney's fee, and may foreclose liens established by the PCIUA Code of Ordinances and when the delinquent party is the property owner.

Section 11: Enforcement

1. In accordance with the PCIUA Code of Ordinances, the power to enforce the provisions of the PCIUA Code of Ordinances not specifically dealt with elsewhere shall be vested in the Director, and such deputies, with the approval of the PCIUA, as may be appointed for such purposes.
2. Whenever said Director or any such deputy shall deem it appropriate to charge any person with a violation(s) of the PCIUA Code of Ordinances, a Notice of Violation and/or Summons may be issued to such person which shall be processed according to the provisions of the PCIUA Code of Ordinances. As an alternative, the Director may employ administrative remedies in accordance with the PCIUA Code of Ordinances.

Section 12: Enforcement Procedure

1. It shall be the policy of PCIUA to enforce the provisions of the PCIUA Code of Ordinances. However, contractually specified enforcement procedures where PCIUA is a party to the contract and which conflict with any portion of the PCIUA Code of Ordinances, shall take precedence over the conflicting portion of said Section.
2. Specific enforcement responses by PCIUA are more fully set out in the PCIUA Enforcement Response Plan, which is specifically incorporated into each Industrial Waste Discharge Permit and into these Rules and Regulations by reference.
3. All actions taken by PCIUA requiring a response by the user shall be made in writing and sent by certified mail to ensure receipt by the user.

Section 13: Right of Appeal



Sewer Utility Ordinance

1. Any party aggrieved by an order or determination of the PCIUA other than a billing and payment issue may, within fifteen (15) days after receipt of a Notice informing such party of the decision or order, appeal such decision or order to the PCIUA or its designated hearing officer by filing a petition seeking such appeal with the Clerk of the Utility Authority stating the basis of such appeal, including the alleged error in the decision or order. After receipt of such petition, the Authority or its designated hearing officer, after due and proper notice to all parties, shall hold a hearing on said petition and at the conclusion thereof or within thirty (30) days thereafter, enter a decision either affirming, denying, revising, amending, altering, or modifying such decision or order as the a bill by the, by majority vote, shall so rule. A party or person aggrieved by the Authority shall have the right to judicial review of such determination.
2. Any person aggrieved by any charge or billing determination by PCIUA may request and shall be granted an Administrative Appeal. Disputing the accuracy of a bill shall not be a valid reason for non-payment or partial payment of a bill by the customers, and shall not stay the accrual of finance charges on the delinquency. The customer may pay a bill under protest, giving written notice that an appeal is being sought. Such written notices must be filed with the PCIUA prior to the due date of the bill. The customer shall first discuss the determination with a Supervisor. If the dispute is not resolved to the customer's satisfaction, the facts concerning the dispute shall be reduced to writing by the customer. The customer and PCIUA may submit, in writing, any information they deem appropriate, to the Director, or a designated hearing officer who shall conduct, as soon as practicable, an informal hearing to determine and resolve the dispute. The Determination by such hearing officer shall be final and shall constitute the final administrative determination.

Section 14: Present Rules Supersede Prior Rules

All rules and regulations heretofore promulgated by the Authority governing the service supplied by the Utility are superseded and replaced by the foregoing Rules and Regulations of the Water Pollution Control (Wastewater) Utility and/or other specifications, rules and regulations referred to herein and made a part hereof.

Section 15: Remedies not Exclusive

The remedies provided to the Authority by these Rules and Regulations shall not be exclusive and shall be in addition to all other remedies which PCIUA has in law or equity.

Section 16: Amendments and Revisions

The PCIUA, reserves the right, by appropriate action, to amend, modify, delete, change or otherwise revise these Rules and Regulations as it may deem, from time to time, to be desirable and/or necessary.



Sewer Utility Ordinance

**A RESOLUTION AMENDING THE GENERAL RULES AND REGULATIONS
OF THE PCI UTILITY AUTHORITY
BY THE POARCH CREEK BAND OF INDIANS UTILITY AUTHORITY**

WHEREAS, recently a meeting was held with members of the general public concerning the accuracy and meaning of the wording in the Regulations of the PCIUA (regulations); and

WHEREAS, after said meeting the staff conducted a review of said regulations and have determined that clarification was needed with regard to the necessity of recordation to validate a contract purchaser; and

WHEREAS, staff recommend that the definition of Owner of said regulations be amended as follows:

OWNER – Designates the person holding the deed or record title to a premises. For the purposes of these Rules and Regulations, a contract purchaser is not considered an owner of an equitable interest in the subject real estate unless the contract has been duly recorded in the PCIUA Recorder's Office. Recordation of said contract is not necessary to validate said interest.

NOW, THEREFORE, THE UTILITY AUTHORITY HEREBY AMENDS THE

GENERAL RULES AND REGULATIONS OF THE PCIUA AS FOLLOWS:

OWNER – Designates the person holding the deed or record title to a premises. For the purposes of these Rules and Regulations, a contract purchaser is considered an owner of an equitable interest in the subject real estate. Recordation of said contract is not necessary to validate said interest.

This amendment to the General Rules and Regulations shall be effective as of the _____ 2013.

Section 17: Reservation of Authority

PCIUA reserves the right to change, modify or amend this Ordinance.

Adopted by PCIUA , and this day of _____.

/s/ _____
Director



Form Approved 1/14/99
OMB Number 2040-0086

FACILITY NAME AND PERMIT NUMBER:

Poarch Creek WWTP AL0079880

FORM 2S NPDES	NPDES FORM 2S APPLICATION OVERVIEW
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PRELIMINARY INFORMATION

This page is designed to indicate whether the applicant is to complete Part 1 or Part 2. Review each category, and then complete Part 1 or Part 2, as indicated. For purposes of this form, the term "you" refers to the applicant. "This facility" and "your facility" refer to the facility for which application information is submitted.

FACILITIES INCLUDED IN ANY OF THE FOLLOWING CATEGORIES MUST COMPLETE PART 2 (PERMIT APPLICATION INFORMATION).

1. Facilities with a currently effective NPDES permit.
2. Facilities which have been directed by the permitting authority to submit a full permit application at this time.

ALL OTHER FACILITIES MUST COMPLETE PART 1 (LIMITED BACKGROUND INFORMATION).

FACILITY NAME AND PERMIT NUMBER:
Poarch Creek WWTP AL0079880

Form Approved 1/14/99
OMB Number 2040-0086

PART 1: LIMITED BACKGROUND INFORMATION

This part should be completed only by "sludge-only" facilities - that is, facilities that do not currently have, and are not applying for, an NPDES permit for a direct discharge to a surface body of water.

For purposes of this form, the term "you" refers to the applicant. "This facility" and "your facility" refer to the facility for which application information is submitted.

1. Facility Information.

- a. Facility name Poarch Creek WWTP
- b. Mailing Address 5811 Jack Springs Road; Atmore, AL 36502
- c. Contact person Josh Thomas
Title Executive Director
Telephone number (251) 446-1617
- d. Facility Address (not P.O. B ox) 263 Aplin Road
Atmore, AL 36502
- e. Indicate the type of facility
- | | |
|--|--|
| <input type="checkbox"/> Publicly owned treatment works (POTW) | <input type="checkbox"/> Privately owned treatment works |
| <input type="checkbox"/> Federally owned treatment works | <input type="checkbox"/> Blending or treatment operation |
| <input type="checkbox"/> Surface disposal site | <input type="checkbox"/> Sewage sludge incinerator |
| <input checked="" type="checkbox"/> Other (describe) <u>Indian Tribe</u> | |

2. Applicant Information.

- a. Applicant name Poarch Creek Indians Utility Authority
- b. Mailing Address 5811 Jack Springs Road; Atmore, AL 36502
- c. Contact person Josh Thomas
Title Executive Director
Telephone number (251) 446-1617
- d. Is the applicant the owner or operator (or both) of this facility?
 owner operator
- e. Should correspondence regarding this permit be directed to the facility or the applicant?
 facility applicant

FACILITY NAME AND PERMIT NUMBER:

Poarch Creek WWTP AL0079880

Form Approved 1/14/99
OMB Number 2040-0086

3. Sewage Sludge Amount. Provide the total dry metric tons per latest 365 day period of sewage sludge handled under the following practices:

- a. Amount generated at the facility 200.00 dry metric tons
- b. Amount received from off site 0.00 dry metric tons
- c. Amount treated or blended on site 0.00 dry metric tons
- d. Amount sold or given away in a bag or other container for application to the land 0.00 dry metric tons
- e. Amount of bulk sewage sludge shipped off site for treatment or blending 0.00 dry metric tons
- f. Amount applied to the land in bulk form 0.00 dry metric tons
- g. Amount placed on a surface disposal site 0.00 dry metric tons
- h. Amount fired in a sewage sludge incinerator 0.00 dry metric tons
- i. Amount sent to a municipal solid waste landfill 200.00 dry metric tons
- j. Amount used or disposed by another practice 0.00 dry metric tons

Describe N/A

4. Pollutant Concentrations. 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 part 503 for this 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 four and one-half years old.

POLLUTANT	CONCENTRATION (mg/kg dry weight)	ANALYTICAL METHOD	DETECTION LEVEL FOR ANALYSIS
ARSENIC	< 0.50 mg/L	SW1311/6010A	0.50 mg/L
CADMIUM	< 0.10mg/L	SW1311/6010A	0.10mg/L
CHROMIUM	< 0.50 mg/L	SW1311/6010A	0.50 mg/L
COPPER	N/A	N/A	N/A
LEAD	< 0.50 mg/L	SW1311/6010A	0.50 mg/L
MERCURY	< 0.100 mg/L	SW7470	0.100 mg/L
MOLYBDENUM	N/A	N/A	N/A
NICKEL	N/A	N/A	N/A
SELENIUM	< 0.10 mg/L	SW1311/6010A	0.10 mg/L
ZINC	N/A	N/A	N/A

5. Treatment Provided At Your Facility.

a. Which class of pathogen reduction does the sewage sludge meet at your facility?

 Class A Class B Neither or unknown

b. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:

Aerobic digestion

FACILITY NAME AND PERMIT NUMBER:
Poarch Creek WWTP AL0079880

Form Approved 1/14/99
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c. Which vector attraction reduction option is met for the sewage sludge at your facility?

- Option 1 (Minimum 38 percent reduction in volatile solids)
- Option 2 (Anaerobic process, with bench-scale demonstration)
- Option 3 (Aerobic process, with bench-scale demonstration)
- Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
- Option 5 (Aerobic processes plus raised temperature)
- Option 6 (Raise pH to 12 and retain at 11.5)
- Option 7 (75 percent solids with no unstabilized solids)
- Option 8 (90 percent solids with unstabilized solids)
- Option 9 (Injection below land surface)
- Option 10 (Incorporation into soil within 6 hours)
- Option 11 (Covering active sewage sludge unit daily)
- None or unknown

d. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge:

Aerobic digestion

6. **Sewage Sludge Sent to Other Facilities.** Does the sewage sludge from your facility meet the Table 1 ceiling concentrations, the Table 3 pollutant concentrations, Class A pathogen requirements, and one of the vector attraction options 1-8?

Yes No

If yes, go to question 8 (Certification).

If no, is sewage sludge from your facility provided to another facility for treatment, distribution, use, or disposal?

Yes No

If no, go to question 7 (Use and Disposal Sites).

If yes, provide the following information for the facility receiving the sewage sludge:

a. Facility name _____

b. Mailing address _____

c. Contact person _____

Title _____

Telephone number _____

d. Which activities does the receiving facility provide? (Check all that apply)

Treatment or blending Sale or give-away in bag or other container

Land application Surface disposal

Incineration Other (describe):

FACILITY NAME AND PERMIT NUMBER:Form Approved 1/14/99
OMB Number 2040-0086

Poarch Creek WWTP AL0079880

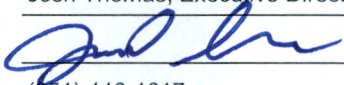
7. Use and Disposal Sites. Provide the following information for each site on which sewage sludge from this facility is used or disposed:

- a. Site name or number Timberlands Landfill
- b. Contact person Michelle DeVitt
Title Account Manager
Telephone (251) 867-8921
- c. Site location (Complete 1 or 2)
1. Street or Route # 22800 Highway 41
County Escambia
City or Town Brewton State AL Zip 36426
2. Latitude 31°15'20.27" N Longitude 87°11'32.36" W
- d. Site type (Check all that apply)
- Agricultural Lawn or home garden Forest
 Surface disposal Public Contact Incineration
 Reclamation Municipal Solid Waste Landfill Other (describe): _____

8. Certification. Sign the certification statement below. (Refer to instructions to determine who is an officer for purposes of this certification.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the 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 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.

Name and official title Josh Thomas, Executive Director

Signature 

Telephone number (251) 446-1617

Date signed 6-26-2019

SEND COMPLETED FORMS TO:

FACILITY NAME AND PERMIT NUMBER:

Poarch Creek WWTP AL0079880

Form Approved 1/14/99
OMB Number 2040-0086

PART 2: PERMIT APPLICATION INFORMATION

Complete this part if you have an effective NPDES permit or have been directed by the permitting authority to submit a full permit application at this time. In other words, complete this part if your facility has, or is applying for, an NPDES permit.

For purposes of this form, the term "you" refers to the applicant. "This facility" and "your facility" refer to the facility for which application information is submitted.

APPLICATION OVERVIEW — SEWAGE SLUDGE USE OR DISPOSAL INFORMATION

Part 2 is divided into five sections (A-E). Section A pertains to all applicants. The applicability of Sections B, C, D, and E depends on your facility's sewage sludge use or disposal practices. The information provided on this page indicates which sections of Part 2 to fill out.

1. SECTION A: GENERAL INFORMATION.

Section A must be completed by all applicants

2. SECTION B: GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE.

Section B must be completed by applicants who either:

- 1) Generate sewage sludge, or
- 2) Derive a material from sewage sludge.

3. SECTION C: LAND APPLICATION OF BULK SEWAGE SLUDGE.

Section C must be completed by applicants who either:

- 1) Apply sewage to the land, or
- 2) Generate sewage sludge which is applied to the land by others.

NOTE: Applicants who meet either or both of the two above criteria are exempted from this requirement if all sewage sludge from their facility falls into one of the following three categories:

- 1) The sewage sludge from this facility meets the ceiling and pollutant concentrations, Class A pathogen reduction requirements, and one of vector attraction reduction options 1-8, as identified in the instructions, or
- 2) The sewage sludge from this facility is placed in a bag or other container for sale or give-away for application to the land, or
- 3) The sewage sludge from this facility is sent to another facility for treatment or blending.

4. SECTION D: SURFACE DISPOSAL

Section D must be completed by applicants who own or operate a surface disposal site.

5. SECTION E: INCINERATION

Section E must be completed by applicants who own or operate a sewage sludge incinerator.

FACILITY NAME AND PERMIT NUMBER:

Poarch Creek WWTP AL0079880

Form Approved 1/14/99
OMB Number 2040-0086

A. GENERAL INFORMATION

All applicants must complete this section.

A.1. Facility Information.

- a. Facility name Poarch Creek WWTP
- b. Mailing Address 5811 Jack Springs Road
Atmore, AL 36502
- c. Contact person Josh Thomas
Title Executive Director
Telephone number (251) 446-1617
- d. Facility Address (not P.O. Box) 263 Aplin Road
Atmore, AL 36502
- e. Is this facility a Class I sludge management facility? Yes No
- f. Facility design flow rate: 0.50 mgd
- g. Total population served: 50,000.00
- h. Indicate the type of facility:
 Publicly owned treatment works (POTW) Privately owned treatment works
 Federally owned treatment works Blending or treatment operation
 Surface disposal site Sewage sludge incinerator
 Other (describe) Indian Tribe

A.2. Applicant Information. If the applicant is different from the above, provide the following:

- a. Applicant name Poarch Creek Indians Utility Authority
- b. Mailing Address 5811 Jack Springs Road
Atmore, AL 36502
- c. Contact person Josh Thomas
Title Executive Director
Telephone number (251) 446-1617
- d. Is the applicant the owner or operator (or both) of this facility?
 owner operator
- e. Should correspondence regarding this permit should be directed to the facility or the applicant.
 facility applicant

FACILITY NAME AND PERMIT NUMBER:

Poarch Creek WWTP AL0079880

Form Approved 1/14/99
OMB Number 2040-0086

A.8. Pollution 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 Part 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 four and one-half years old.

POLLUTANT	CONCENTRATION (mg/kg dry weight)	ANALYTICAL METHOD	DETECTION LEVEL FOR ANALYSIS
ARSENIC	< 0.50 mg/L	SW1311/6010A	0.50 mg/L
CADMIUM	< 0.10mg/L	SW1311/6010A	0.10mg/L
CHROMIUM	< 0.50 mg/L	SW1311/6010A	0.50 mg/L
COPPER	< 0.50 mg/L	SW1311/6010A	0.50 mg/L
LEAD	N/A	N/A	N/A
MERCURY	< 0.100 mg/L	SW7470	0.100 mg/L
MOLYBDENUM	N/A	N/A	N/A
NICKEL	N/A	N/A	N/A
SELENIUM	< 0.10 mg/L	SW1311/6010A	0.10 mg/L
ZINC	N/A	N/A	N/A

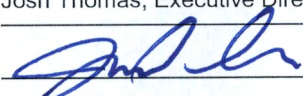
A.9. Certification. Read and submit the following certification statement with this application. Refer to the instructions to determine who is an officer for purposes of this certification. Indicate which parts of Form 2S you have completed and are submitting:

Part 1 Limited Background Information packet

Part 2 Permit Application Information packet:

- Section A (General Information)
- Section B (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)
- Section C (Land Application of Bulk Sewage Sludge)
- Section D (Surface Disposal)
- Section E (Incineration)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the 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 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.

Name and official title Josh Thomas, Executive Director
 Signature  Date signed 6-26-2019
 Telephone number (251) 446-1617

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

SEND COMPLETED FORMS TO:

FACILITY NAME AND PERMIT NUMBER:

Poarch Creek WWTP AL0079880

Form Approved 1/14/99
OMB Number 2040-0086

B. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE

Complete this section if your facility generates sewage sludge or derives a material from sewage sludge.

B.1. Amount Generated On Site.

Total dry metric tons per 365-day period generated at your facility: 200.00 dry metric tons

B.2. Amount Received from Off Site. If your facility receives sewage sludge from another facility for treatment, use, or disposal, provide the following information for each facility from which sewage sludge is received. If you receive sewage sludge from more than one facility, attach additional pages as necessary.

a. Facility name N/A

b. Mailing Address N/A

c. Contact person N/A

Title N/A

Telephone number _____

d. Facility Address (not P.O. Box) N/A

e. Total dry metric tons per 365-day period received from this facility: _____ dry metric tons

f. Describe, on this form or on another sheet of paper, any treatment processes known to occur at the off-site facility, including blending activities and treatment to reduce pathogens or vector attraction characteristics.

N/A

B.3. Treatment Provided At Your Facility.

a. Which class of pathogen reduction is achieved for the sewage sludge at your facility?

_____ Class A Class B _____ Neither or unknown

b. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogens in sewage sludge:

Aerobic digestion

c. Which vector attraction reduction option is met for the sewage sludge at your facility?

- _____ Option 1 (Minimum 38 percent reduction in volatile solids)
- _____ Option 2 (Anaerobic process, with bench-scale demonstration)
- Option 3 (Aerobic process, with bench-scale demonstration)
- _____ Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
- _____ Option 5 (Aerobic processes plus raised temperature)
- _____ Option 6 (Raise pH to 12 and retain at 11.5)
- _____ Option 7 (75 percent solids with no unstabilized solids)
- _____ Option 8 (90 percent solids with unstabilized solids)
- _____ None or unknown

FACILITY NAME AND PERMIT NUMBER:

Poarch Creek WWTP AL0079880

Form Approved 1/14/99
OMB Number 2040-0086

B.3. Treatment Provided At Your Facility. (con't)

- d. Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector attraction properties of sewage sludge:

Aerobic digestion

- e. Describe, on this form or another sheet of paper, any other sewage sludge treatment or blending activities not identified in (a) - (d) above:

N/A

Complete Section B.4 if sewage sludge from your facility meets the ceiling concentrations in Table 1 of 40 CFR 503.13, the pollutant concentrations in Table 3 of §503.13, the Class A pathogen reduction requirements in §503.32(a), and one of the vector attraction reduction requirements in § 503.33(b)(1)-(8) and is land applied. Skip this section if sewage sludge from your facility does not meet all of these criteria.

B.4. Preparation of Sewage Sludge Meeting Ceiling and Pollutant Concentrations, Class A Pathogen Requirements, and One of Vector Attraction Reduction Options 1-8.

- a. Total dry metric tons per 365-day period of sewage sludge subject to this section that is applied to the land: 0.00 dry metric tons
- b. Is sewage sludge subject to this section placed in bags or other containers for sale or give-away for application to the land?

Yes No

Complete Section B.5. if you place sewage sludge in a bag or other container for sale or give-away for land application. Skip this section if the sewage sludge is covered in Section B.4.

B.5. Sale or Give-Away in a Bag or Other Container for Application to the Land.

- a. 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: 0.00 dry metric tons
- b. Attach, with this application, 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.

Complete Section B.6 if sewage sludge from your facility is provided to another facility that provides treatment or blending. This section does not apply to sewage sludge sent directly to a land application or surface disposal site. Skip this section if the sewage sludge is covered in Sections B.4 or B.5. If you provide sewage sludge to more than one facility, attach additional pages as necessary.

B.6. Shipment Off Site for Treatment or Blending.

- a. Receiving facility name N/A
- b. Mailing address N/A
- c. Contact person N/A
Title N/A
Telephone number _____
- d. Total dry metric tons per 365-day period of sewage sludge provided to receiving facility: 0.00

FACILITY NAME AND PERMIT NUMBER:

Poarch Creek WWTP AL0079880

Form Approved 1/14/99
OMB Number 2040-0086

B.6. Shipment Off Site for Treatment or Blending. (con't)

e. Does the receiving facility provide additional treatment to reduce pathogens in sewage sludge from your facility? Yes No

Which class of pathogen reduction is achieved for the sewage sludge at the receiving facility?

Class A Class B Neither or unknown

Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce pathogens in sewage sludge:

N/A

f. Does the receiving facility provide additional treatment to reduce vector attraction characteristics of the sewage sludge?

Yes No

Which vector attraction reduction option is met for the sewage sludge at the receiving facility?

- Option 1 (Minimum 38 percent reduction in volatile solids)
- Option 2 (Anaerobic process, with bench-scale demonstration)
- Option 3 (Aerobic process, with bench-scale demonstration)
- Option 4 (Specific oxygen uptake rate for aerobically digested sludge)
- Option 5 (Aerobic processes plus raised temperature)
- Option 6 (Raise pH to 12 and retain at 11.5)
- Option 7 (75 percent solids with no unstabilized solids)
- Option 8 (90 percent solids with unstabilized solids)
- None

Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce vector attraction properties of sewage sludge.

N/A

g. Does the receiving facility provide any additional treatment or blending activities not identified in (c) or (d) above? Yes No

If yes, describe, on this form or another sheet of paper, the treatment or blending activities not identified in (c) or (d) above:

N/A

h. If you answered yes to (e), (f), or (g), 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).

i. 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? Yes No

If yes, provide a copy of all labels or notices that accompany the product being sold or given away.

Complete Section B.7 if sewage sludge from your facility is applied to the land, unless the sewage sludge is covered in:

- Section B.4 (it meets Table 1 ceiling concentrations, Table 3 pollutant concentrations, Class A pathogen requirements, and one of vector attraction reduction options 1-8); or
- Section B.5 (you place it in a bag or other container for sale or give-away for application to the land); or
- Section B.6 (you send it to another facility for treatment or blending).

B.7. Land Application of Bulk Sewage Sludge.

a. Total dry metric tons per 365-day period of sewage sludge applied to all land application sites: 0.00 dry metric tons

FACILITY NAME AND PERMIT NUMBER:

Form Approved 1/14/99
OMB Number 2040-0086

Poarch Creek WWTP AL0079880

B.7. Land Application of Bulk Sewage Sludge. (con't)

b. Do you identify all land application sites in Section C of this application? Yes No

If no, submit a copy of the land application plan with application (see instructions).

c. Are any land application sites located in States other than the State where you generate sewage sludge or derive a material from sewage sludge? Yes No

If yes, describe, on this form or another sheet of paper, how you notify the permitting authority for the States where the land application sites are located. Provide a copy of the notification.

N/A

Complete Section B.8 if sewage sludge from your facility is placed on a surface disposal site.

B.8. Surface Disposal.

a. Total dry metric tons of sewage sludge from your facility placed on all surface disposal sites per 365-day period: 0.00 dry metric tons

b. Do you own or operate all surface disposal sites to which you send sewage sludge for disposal?

Yes No

If no, answer B.8.c through B.8.f for each surface disposal site that you do not own or operate. If you send sewage sludge to more than one such surface disposal site, attach additional pages as necessary.

c. Site name or number N/A

d. Contact person N/A

Title N/A

Telephone number _____

Contact is Site owner Site operator

e. Mailing address N/A

f. Total dry metric tons of sewage sludge from your facility placed on this surface disposal site per 365-day period: 0.00 dry metric tons

Complete Section B.9 if sewage sludge from your facility is fired in a sewage sludge Incinerator.

B.9. Incineration.

a. Total dry metric tons of sewage sludge from your facility fired in all sewage sludge incinerators per 365-day period: 0.00 dry metric tons

b. Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired? Yes No

If no, complete B.9.c through B.9.f for each sewage sludge incinerator that you do not own or operate. If you send sewage sludge to more than one such sewage sludge incinerator, attach additional pages as necessary.

c. Incinerator name or number: N/A

d. Contact person: N/A

Title: N/A

Telephone number: _____

Contact is: Incinerator owner Incinerator operator

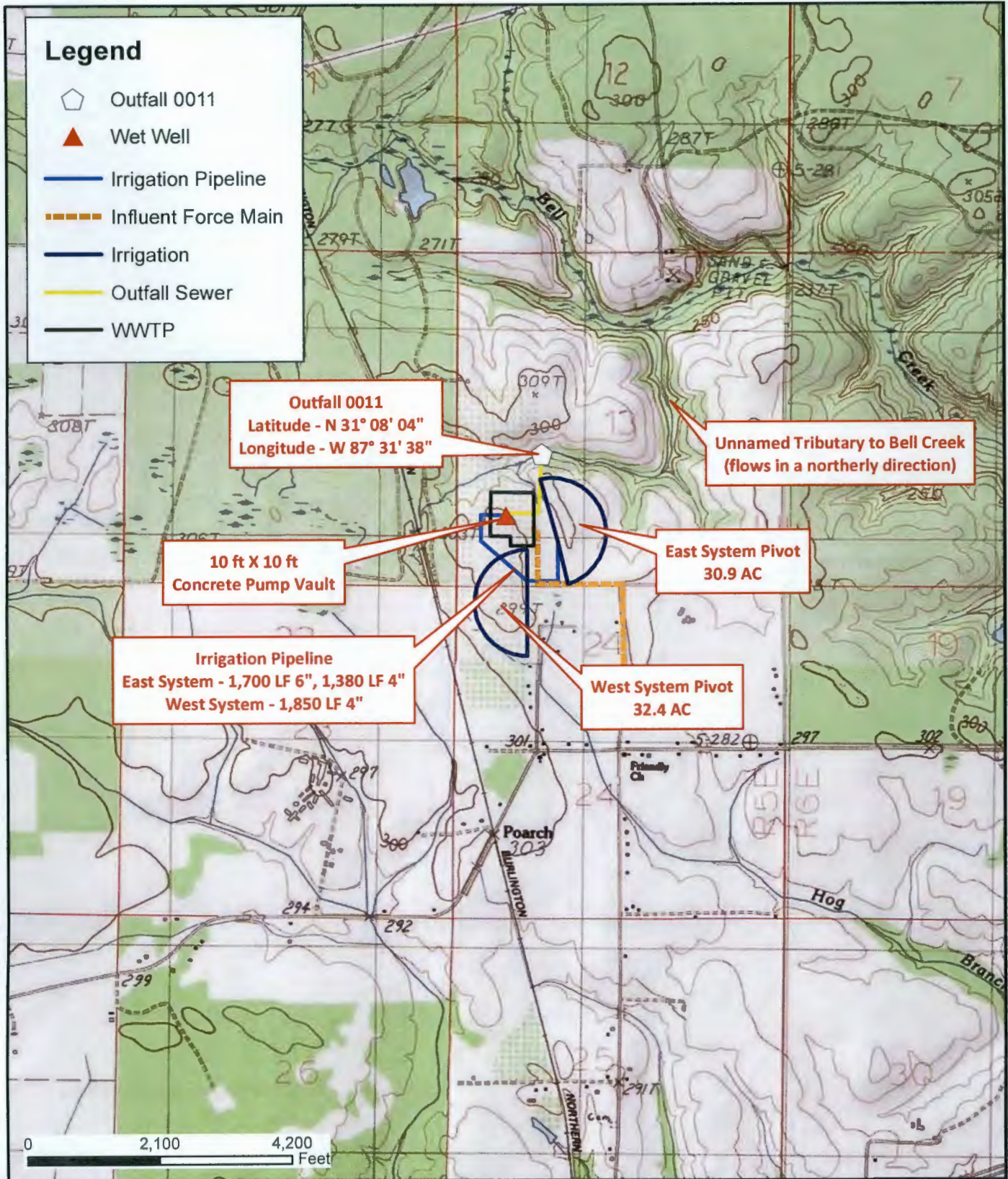


Figure 1
Topographic Map

Poarch Creek Indians Utility Authority
Aplin Road
Atmore, Alabama 36502
Escambia County

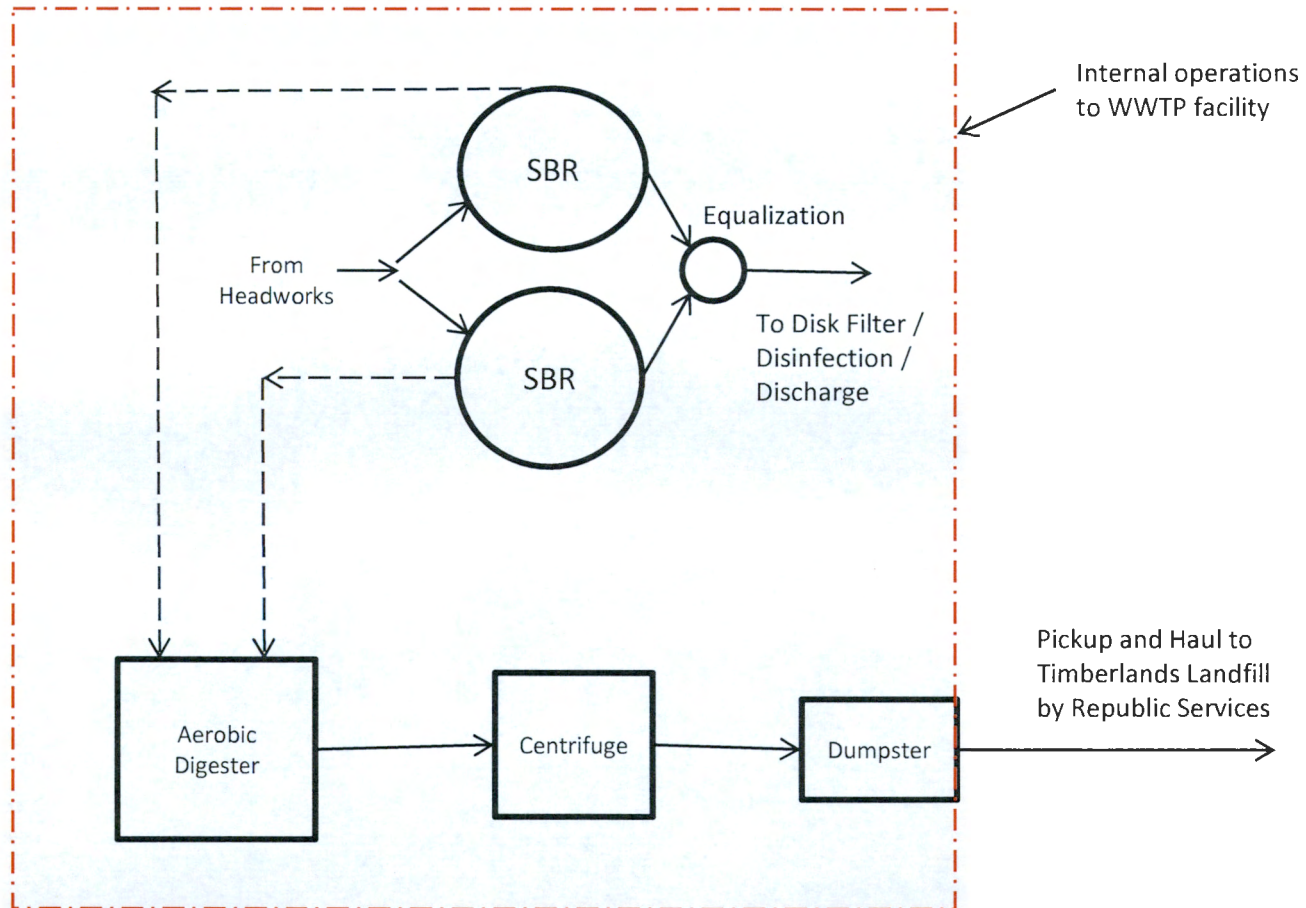


Engineering. Environmental. Answers.
www.cdge.com



**Figure 5
Sludge Line Diagram**

**Poarch Creek Indians Utility Authority
Aplin Road
Atmore, Alabama 36502
Escambia County**





Republic Services, Inc.

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile # 50921018747	Expiration Date 3/31/2021	
I. Decision Request:	<input type="checkbox"/> Initial <input checked="" type="checkbox"/> Recertification <input type="checkbox"/> Change		
Disposal Facility: 5092 - Timberlands Landfill			
Generator Name: Poarch Creek Indian Utilities			
Generator Site Address: 263 Alpin Rd			
City: Atmore	County: _____	State: AL	Zip: _____
Name of Waste: waste water treatment sludge			
Estimated Annual Volume: 200 Tons			

II. Special Waste Department Decision: Approved Rejected

Management Method(s): Landfill Solidification Bioremediation Transfer Facility

Problematic Special Waste according to Republic? Yes No

If yes, which one? _____

Approved by Special Waste Review Committee? Yes No Not Applicable

Precautions, Conditions or Limitations on Approval

Alabama Department of Environmental Management has issued Approval #110071-SW-033121-A098 and expires on 3-31-2021.

Special Waste Analyst Signature: _____

Date: 4/15/2019

Name (Printed): Suzanne Glass

III. Facility Decision: Approved Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____

Date: 4/15/2019

Name (Printed): _____



SPECIAL WASTE PROFILE - RECERTIFICATION

Saveable fill-in form. Restricted printing until all required (yellow) fields are completed.

Disposal Facility: <u>5092 Timberlands LF AL</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Waste Profile #</td> </tr> <tr> <td style="text-align: center;">50921018747</td> </tr> </table>	Waste Profile #	50921018747
Waste Profile #			
50921018747			

I. Generator Information

Generator Name: Poarch Creek Utilities			
Generator Site Address: 263 Aplin Rd			
City: Atmore	County: Escambia	State: Alabama	Zip: 36502
State ID/Reg No:	State Approval/Waste Code:		NAICS #:
Generator Mailing Address (if different): <input type="checkbox"/> 263 Aplin Rd			
City: Atmore	County:	State: Alabama	Zip: 36502
Generator Contact Name: Silas Holmes		Email: sholmes@pci-nsn.gov	
Phone Number: (251) 253-5882		Fax Number: (251) 446-1624	

II. Waste Stream Information

Name of Waste: Waste Water Treatment Sludge	
Check Section 1 OR Section 2 below:	
1. <input type="checkbox"/>	<p><u>There has been a change</u> in the characteristics of the waste stream due to the following:</p> <ul style="list-style-type: none"> a. Change of a raw material used in the waste generating process. b. Change in the waste generating process itself. c. Change in a physical characteristic of the waste. d. New information has been documented concerning the human health effects of exposure to the waste. <p>If any of these changes have occurred, a new laboratory analysis and profile sheet must be completed. Attach copies of the new chemical analysis and new Special Waste Profile with the appropriate signatures.</p>
2. <input checked="" type="checkbox"/>	<p><u>There have been no changes</u> that would alter the physical characteristics of the special waste stream. Updated analytical may be required.</p>

III. Representative Sample Certification

<input type="checkbox"/> No Sample Taken	
Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	<input checked="" type="checkbox"/> YES or <input type="checkbox"/> NO
Type of Sample: <input type="checkbox"/> COMPOSITE SAMPLE <input checked="" type="checkbox"/> GRAB SAMPLE	
Sample Date: <u>01/02/2019</u>	
Sample ID Numbers: <u>190103039-001</u>	

IV. Certification

I hereby certify that to the best of my knowledge and belief, the information contained in the Special Waste Profile - Recertification and the information in the Original Special Waste Profile is true, complete and accurate.	
Silas W(Bill) Holmes / Chief Utilities Operator Authorized Representative Name And Title (Printed)	Poarch Creek Utilities Company Name
Authorized Representative Signature	02/07/2019 Date

LANCE R. LEFLEUR
DIRECTOR



Kay Ivey
GOVERNOR

Alabama Department of Environmental Management
adem.alabama.gov

1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ■ FAX (334) 271-7950

3/11/2019

Ms. Michelle DeVitt
Republic Services
22800 AL-41
Brewton, AL 36424

RE: Waste Certification
WWT Sludge

Dear Ms. DeVitt:

The Alabama Department of Environmental Management has reviewed your waste certification received on 3/8/2019 and has assigned a Certification Number for this waste as shown below.

Waste Profile #: 110071	Poarch Creek Utilities
Certification #: SW-033121-A098	263 Aplin Road
Expiration Date of Certification: 3/31/2021	Atmore, AL 36502

In your certification you requested one or more landfills be approved to receive your waste. Based on our review of the waste and the landfills requested, the waste is approved for disposal in the following landfills:

Timberlands LF	27-08
----------------	-------

You should provide this approval letter to the landfill(s) listed above and contact the landfill to determine any special handling requirements for this waste prior to delivery to the landfill. According to ADEM regulations, the landfill may not receive this waste unless it has received a waste certification approval. For waste generated on a routine basis (not a one-time occurrence), another written certification for this waste stream should be submitted to ADEM prior to the expiration date listed above or at any time the process producing the waste changes. Each submittal should include a completed Solid Waste Profile Sheet, any supporting documentation including current analytical, and the appropriate fee. Current analytical consists of analysis performed within the past six months.

If at any time before the expiration date of this certification, new analysis of the waste is performed, the new results will supersede any prior analysis from the time the samples are taken. If the new analysis indicates the waste is still non-hazardous, the waste may continue to be disposed of at the landfill listed above until the expiration date of this certification. If the new analysis indicates the waste is hazardous, this certification is revoked. Each time new analysis is performed on the waste, copies of the analytical results should be provided to ADEM and the landfill until this certification expires. The generator should not dispose of the waste prior to the receipt and review of the sampling results. Furthermore, this approval letter does not exempt Poarch Creek Utilities from complying with all applicable requirements of the ADEM Administrative Code. If you have any questions concerning this approval or the approval process, please contact Ms. Bailee Dykes at 334-279-3061.

Sincerely,

A handwritten signature in black ink that reads "Vernon H. Crockett".

Vernon H. Crockett, Chief
Industrial Hazardous Waste Branch
Land Division

VHC/bld

Birmingham Branch
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Branch
2715 Sandlin Road, S.W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)



Mobile Branch
2204 Perimeter Road
Mobile, AL 36615-1131
(251) 450-3400
(251) 479-2593 (FAX)

Mobile-Coastal
3664 Dauphin Street, Suite B
Mobile, AL 36608
(251) 304-1176
(251) 304-1189 (FAX)

3516 Greensboro Avenue
P. O. Drawer 1128 (35403)
Tuscaloosa, AL 35401



205.345.0816 tel
205.343.0635 fax
www.pacelabs.com

February 05, 2019

Mr. Bill Holmes
Poarch Creek Indians Utilities
5811 Jack Springs Road
Atmore, AL 36502

RE: WWTP Sludge - Waste Stream Profile
Work Order Number: **190103039**

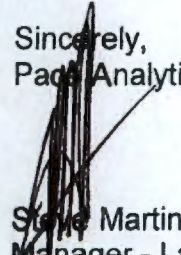
Dear Client:

Pace Analytical Services received sample(s) on Thursday, January 03, 2019 for the analyses presented in the attached report.

If you should have any questions regarding this information, please feel free to call. The work order number shown above will assist us in accessing your data more efficiently.

Thank you for the opportunity to provide these services.

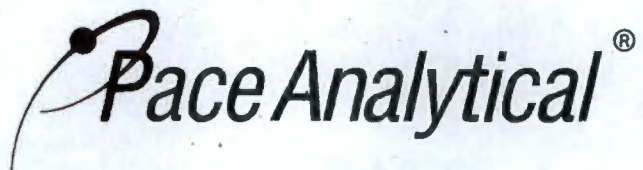
Sincerely,
Pace Analytical Services


Steve Martin
Manager - Lab Operations

Attachments

cc: Mr. Shaun Livermore

3516 Greensboro Avenue
P. O. Drawer 1128 (35403)
Tuscaloosa, AL 35401



205.345.0816 tel
205.343.0635 fax
www.pacelabs.com

Date: 05-Feb-19

CLIENT: Poarch Creek Indians Utilities
Project: WWTP Sludge - Waste Stream Profile
Lab Order: 190103039

CASE NARRATIVE

The sample was analyzed in general accordance with 40 CFR Part 261, et al.

3516 Greensboro Avenue
P. O. Drawer 1128 (35403)
Tuscaloosa, AL 35401



205.345.0816 tel
205.343.0635 fax
www.pacelabs.com

Date: 05-Feb-19

CLIENT: Poarch Creek Indians Utilities **Lab Order:** 190103039
Project: WWTP Sludge - Waste Stream Profile

Lab ID: 190103039-001 **Collection Date:** 01/02/2019 11:20
Client Sample ID: WWTP - Sludge **Matrix:** Sludge

Analyses	Result	PQL	MCL	Units	DF	Date Analyzed
MERCURY, TCLP LEACHED						
		SW7470	Prep:(SW7470A)	01/15/2019	9:30	Analyst: TBC
Mercury, as Hg	< 0.100	0.100	0.2	mg/L	1	01/16/2019 13:29
TCLP METALS						
		SW1311/6010A	Prep:(SW3010A)	01/14/2019	10:30	Analyst: SFC
Arsenic	< 0.50	0.50	5	mg/L	1	01/18/2019 0:00
Barium	< 1.0	1.0	100	mg/L	1	01/18/2019 0:00
Cadmium	< 0.10	0.10	1	mg/L	1	01/18/2019 0:00
Chromium	< 0.50	0.50	5	mg/L	1	01/18/2019 0:00
Lead	< 0.50	0.50	5	mg/L	1	01/18/2019 0:00
Selenium	< 0.10	0.10	1	mg/L	1	01/18/2019 0:00
Silver	< 0.50	0.50	5	mg/L	1	01/18/2019 0:00
SEMIVOLATILES, TCLP LEACHED						
		SW1311/8270A	Prep:(SW3520A)	01/16/2019	7:32	Analyst: ShMK
Cresols, Total	< 0.020	0.020	200	mg/L	1	01/29/2019 19:29
o-cresol	< 0.020	0.020	200	mg/L	1	01/29/2019 19:29
m-cresol	< 0.020	0.020	200	mg/L	1	01/29/2019 19:29
p-cresol	< 0.020	0.020	200	mg/L	1	01/29/2019 19:29
1,4-dichlorobenzene	< 0.020	0.020	7.5	mg/L	1	01/29/2019 19:29
2,4-Dinitrotoluene	< 0.020	0.020	0.13	mg/L	1	01/29/2019 19:29
Hexachlorobenzene	< 0.020	0.020	0.13	mg/L	1	01/29/2019 19:29
Hexachlorobutadiene	< 0.020	0.020	0.5	mg/L	1	01/29/2019 19:29
Hexachloroethane	< 0.020	0.020	3	mg/L	1	01/29/2019 19:29
Nitrobenzene	< 0.020	0.020	2	mg/L	1	01/29/2019 19:29
Pentachlorophenol	< 0.10	0.10	100	mg/L	1	01/29/2019 19:29
Pyridine	< 0.040	0.040	5	mg/L	1	01/29/2019 19:29
2,4,5-Trichlorophenol	< 0.020	0.020	400	mg/L	1	01/29/2019 19:29
2,4,6-Trichlorophenol	< 0.020	0.020	2	mg/L	1	01/29/2019 19:29
VOLATILES, TCLP LEACHED						
		SW1311/8240A	Prep:(SW1311)	01/14/2019	14:58	Analyst: LAA
1,1-Dichloroethene	< 0.100	0.100	0.7	mg/L	20	01/25/2019 17:57
1,2-Dichloroethane	< 0.100	0.100	0.5	mg/L	20	01/25/2019 17:57
1,4-Dichlorobenzene	< 0.100	0.100	7.5	mg/L	20	01/25/2019 17:57
2-Butanone	< 2.00	2.00	200	mg/L	20	01/25/2019 17:57
Benzene	< 0.100	0.100	0.5	mg/L	20	01/25/2019 17:57
Carbon tetrachloride	< 0.100	0.100	0.5	mg/L	20	01/25/2019 17:57
Chlorobenzene	< 0.100	0.100	100	mg/L	20	01/25/2019 17:57
Chloroform	< 0.100	0.100	6	mg/L	20	01/25/2019 17:57
Tetrachloroethene	< 0.100	0.100	0.7	mg/L	20	01/25/2019 17:57
Trichloroethene	< 0.100	0.100	0.5	mg/L	20	01/25/2019 17:57
Vinyl chloride	< 0.200	0.200	0.2	mg/L	20	01/25/2019 17:57



LIMS Chain of Custody Form

Composite Sample Info

Sample Security Requirements

Client: Poarch Creek Indians Utilities
 Contact: Mr. Bill Holmes
 Mailing Address: 5811 Jack Springs Road
 City, State, Zip: Atmore, AL 36502
 Phone No.: 251-253-5882
 Sampled By: *client*
 Project ID: Poarch - ~~Monthly WWTP~~
 Project Name: ~~Monthly WWTP~~

ORDER NUMBER 190103 039

PACF WORK

Sample _____
 Start _____ DATE/TIME
 End _____ DATE/TIME
 Sample _____
 Start _____ DATE/TIME
 End _____ DATE/TIME

1. Condition of Contents: _____
2. Sealed for Shipping By: _____
3. Initial Contents Temp.: _____ °C Seal Applied Yes ___ No ___
4. Custody Seal Intact Upon Receipt by Laboratory: Yes ___ No ___
5. Condition of Contents: *Good*
6. Comments: _____
7. Reporting Status: Routine; _____ ; Rush By* _____
8. Client P.O. # _____

Date	Time	Sample ID/Description	Sample Type	Sample Method	Sample Containers	Analysis Parameters
		Effluent	Aqueous		1 1/2 PT PL RP	NO2
		Effluent	Aqueous		1 PT PH2504	NT, NO3, F_TW, TKN, WW, N_TW

Sludge
 date 1-2-19
 Time 1120
 (WOTD) (GRAB SAMPLE)
 LAST SAMPLE ID # (16)208001-01
 FOR WASTE PROFILE

1/2/2019

Relinquished by: (signed) Date/Time	Received by: (signed) Date/Time
<i>Bill Helms</i> 1/2/19 12:20	<i>Thomas Z. G.</i> 1/2/19 12:10
<i>Thomas Z. G.</i> 1/2/19 3:30	<i>Delano Williams</i> 1/2 3:20
<i>Delano Williams</i> 1/3 12:55	<i>Ram Elfr</i> 1/3 12:55
<i>Ram Elfr</i> 1-3 3:20	

SHIPPING DETAILS
 Air Bill #: _____
 Method of Shipment: *Hand*
 Received By Lab: *[Signature]*
 Date/Time 1-3-19 3:20