Jeffery W. Kitchens
Acting 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

May 20, 2025

Mr. Rick Clark
Chief Operating Officer
Alabama State Port Authority
P.O. Box 1588
Mobile, AL 36633

RE: Draft Permit
McDuffie Coal Terminal
NPDES Permit Number AL0042374
Mobile County (097)

Dear Mr. Clark:

Transmitted herein is a draft of the above referenced permit. Please review the enclosed draft permit carefully. If previously permitted, the draft may contain additions/revisions to the language in your current permit. Please submit any comments on the draft permit to the Department within 30 days from the date of receipt of this letter.

Since the Department has made a tentative decision to resissue the above referenced permit, ADEM Admin. Code r. 335-6-6-.21 requires a public notice of the draft permit followed by a period of at least 30 days for public comment before the permit can be issued. The United States Environmental Protection Agency will also receive the draft permit for review during the 30-day public comment period.

Any mining, processing, construction, land disturbance, or other regulated activity proposed to be authorized by this draft permit is prohibited prior to the effective date of the formal permit. Any mining or processing activity within the drainage basin associated with each permitted outfall which is conducted prior to Departmental receipt of certification from a professional engineer licensed to practice in the State of Alabama, that the Pollution Abatement/Prevention Plan was implemented according to the design plan, or notification from the Alabama Surface Mining Commission that the sediment control structures have been certified, is prohibited.

This permit requires Discharge Monitoring Reports (DMR) to be submitted utilizing the Department's web-based electronic reporting system. Please read Part I.D of the permit carefully and visit https://aepacs.adem.alabama.gov/nviro/ncore/external/home.

Should you have any questions concerning this matter, please contact Jasmine White at (334) 270-5622 or jasmine.white@adem.alabama.gov.

Sincerely,

William D. McClimans, Chief
Mining and Natural Resource Section
Stormwater Management Branch
Water Division

WDM/jlw File: DPER/677

cc: Jasmine White, ADEM
Environmental Protection Agency Region IV
Alabama Department of Conservation and Natural Resources
U.S. Fish and Wildlife Service
Alabama Historical Commission
Advisory Council on Historic Preservation
U.S. Army Corps of Engineers Mobile District
U.S. Army Corps of Engineers Nashville District

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

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

Coastal Office
1615 South Broad Street
Mobile, AL 36605
(251) 450-3400
(251) 479-2593 (FAX)

Alabama Department of Environmental Management

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE:	Alabama State Port Authority PO Box 1588 Mobile, AL 36633
FACILITY LOCATION:	McDuffie Coal Terminal 1768 Yeend Loop Mobile, AL 36603 Mobile County T4S, R1W, Sections 25, 35, & 36
PERMIT NUMBER:	AL0042374
DSN & RECEIVING STREAM:	001 - 1 Mobile Bay

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

ISSUANCE DATE:

EFFECTIVE DATE:

EXPIRATION DATE:

Draft

Alabama Department of Environmental Management

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT

Transportation and Storage of Coal and Associated Areas

TABLE OF CONTENTS

PART I DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

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 each point source identified on Page 1 of this Permit and described more fully in the Permittee's application, if the outfalls have been constructed and certified. Discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Discharge Limitations			Monitoring Requirements	
	Daily Minimum	Monthly Average	Daily Maximum	Sample Type	Measurement Frequency[1]
Specific Conductance 00095	-------	Report µS/cm	Report µS/cm	Grab	2/Month
Sulfate (As S) 00154	-------	Report mg/L	Report mg/L	Grab	2/Month
pH 00400	6.0 s.u.	-------	9.0 s.u.	Grab	2/Month
pH[2] 00400	6.0 s.u.	-------	10.5 s.u.	Grab	2/Month
Solids, Total Suspended 00530	-------	35.0 mg/L	70.0 mg/L	Grab	2/Month
Iron, Total (As Fe) 01045	-------	3.0 mg/L	6.0 mg/L	Grab	2/Month
Manganese, Total (As Mn)[3] 01055	-------	2.0 mg/L	4.0 mg/L	Grab	2/Month
Flow, In Conduit or Thru Treatment Plant[4] 50050	-------	Report MGD	Report MGD	Instantaneous	2/Month
Solids, Total Dissolved (TDS) 70296	-------	Report mg/L	Report mg/L	Grab	1/Quarter

B. REQUIREMENTS TO ACTIVATE A PROPOSED MINING OUTFALL

1. Discharge from any point source identified on Page 1 of this Permit which is a proposed outfall is not authorized by this Permit until the outfall has been constructed and certification received by the Department from a professional engineer, registered in the State of Alabama, certifying that such facility has been constructed according to good engineering practices and in accordance with the Pollution Abatement and/or Prevention (PAP) Plan.

2. Certification required by Part I.B.1. shall be submitted on a completed ADEM Form 432. The certification shall include the latitude and longitude of the constructed and certified outfall.

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[1] See Part I.C.2. for further measurement frequency requirements.
[2] See Part IV.B. for pH Exemption Discharge Limitations.
[3] See Part IV.C. for Manganese Exemption Discharge Limitations.
[4] Flow must be determined at the time of sample collection by direct measurement, calculation, or other method acceptable to the Department.

3. Discharge monitoring and Discharge Monitoring Report (DMR) reporting requirements described in Part I.C. of this Permit do not apply to point sources that have not been constructed and certified.

4. Upon submittal of the certification required by Part I.B.1. to the Department, all monitoring and DMR submittal requirements shall apply to the constructed and certified outfall.

C. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

1. Sampling Schedule and Frequency

a. The Permittee shall collect at least one grab sample of the discharge to surface waters from each constructed and certified point source identified on Page 1 of this Permit and described more fully in the Permittee's application twice per month at a rate of at least every other week if a discharge occurs at any time during the two week period, but need not collect more than two samples per calendar month. Each sample collected shall be analyzed for each parameter specified in Part I.A. of this Permit.

b. If the final effluent is pumped in order to discharge (e.g. from incised ponds, old highwall cuts, old pit areas or depressions, etc.), the Permittee shall collect at least one grab sample of the discharge from each point source identified on Page 1 of this Permit and described more fully in the Permittee's application each quarterly (three month) monitoring period if a discharge occurs at any time during the quarterly monitoring period which results from direct pumped drainage. Each sample collected shall be analyzed for each parameter specified in Part I.A. of this Permit.

c. The Permittee may increase the frequency of sampling listed in Parts I.C.1.a and I.C.1.b; however, all sampling results must be reported to the Department and included in any calculated results submitted to the Department in accordance with this Permit.

2. Measurement Frequency

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

a. A measurement frequency of one day per week shall mean sample collection on any day of discharge which occurs every calendar week.

b. A measurement frequency of two days per month shall mean sample collection on any day of discharge which occurs every other week, but need not exceed two sample days per month.

c. A measurement frequency of one day per month shall mean sample collection on any day of discharge which occurs during each calendar month.

d. A measurement frequency of one day per quarter shall mean sample collection on any day of discharge which occurs during each calendar quarter.

e. A measurement frequency of one day per six months shall mean sample collection on any day of discharge which occurs during the period of January through June and during the period of July through December.

f. A measurement frequency of one day per year shall mean sample collection on any day of discharge which occurs during each calendar year.

3. Monitoring Schedule

The Permittee shall conduct the monitoring required by Part I.A. in accordance with the following schedule:

a. 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. More frequently than monthly and monthly monitoring may be done anytime during the month, unless restricted elsewhere in this Permit, but the results should be reported on the last Discharge Monitoring Report (DMR) due for the quarter (i.e., with the March, June, September, and December DMRs).

b. 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 may be done anytime during the quarter, unless restricted elsewhere in this Permit, but the results should be reported on the last DMR due for the quarter (i.e., with the March, June, September, and December DMRs).

c. 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 semiannual calendar 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., with the June and December DMRs).

d. 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.

4. Sampling Location

Unless restricted elsewhere in this Permit, samples collected to comply with the monitoring requirements specified in Part I.A. shall be collected at the nearest accessible location just prior to discharge and after final treatment, or at an alternate location approved in writing by the Department.

5. Representative Sampling

Sample collection and measurement actions taken as required herein shall be representative of the volume and nature of the monitored discharge and shall be in accordance with the provisions of this Permit.

6. 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, guidelines

published pursuant to Section 304(h) of the FWPCA, 33 U.S.C. Section 1314(h), and ADEM Standard Operating Procedures. 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 pollutant 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 using the most sensitive EPA approved method. 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 identified in Parts I.C.6.a. and b. 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.

7. 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 or measurements;

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.

8. Routine Inspection by Permittee

a. The Permittee shall inspect all point sources identified on Page 1 of this Permit and described more fully in the Permittee's application and all treatment or control facilities or

systems used by the Permittee to achieve compliance with the terms and conditions of this Permit at least as often as the applicable sampling frequency specified in Part I.C.1 of this Permit.

b. The Permittee shall maintain a written log for each point source identified on Page 1 of this Permit and described more fully in the Permittee's application in which the Permittee shall record the following information:

(1) The date and time the point source and any associated treatment or control facilities or systems were inspected by the Permittee;

(2) Whether there was a discharge from the point source at the time of inspection by the Permittee;

(3) Whether a sample of the discharge from the point source was collected at the time of inspection by the Permittee;

(4) Whether all associated treatment or control facilities or systems appeared to be in good working order and operating as efficiently as possible, and if not, a description of the problems or deficiencies; and

(5) The name and signature of the person performing the inspection of the point source and associated treatment or control facilities or systems.

9. 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 this 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 (3) years from the date of the sample collection, 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, AEMA, 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, 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 (3) years shall be kept at the permitted facility or an alternate location approved by the Department in writing and shall be available for inspection.

10. 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. The Permittee shall develop and maintain quality assurance procedures to ensure proper operation and maintenance of all equipment and instrumentation. The quality assurance procedures shall include the proper use, maintenance, and installation, when appropriate, of monitoring equipment at the plant site.

D. DISCHARGE REPORTING REQUIREMENTS

1. Requirements for Reporting of Monitoring

a. Monitoring results obtained during the previous three (3) months shall be summarized for each month on a Discharge Monitoring Report (DMR) Form approved by the Department, and submitted to the Department so that it is received by the Director no later than the 28th day of the month following the quarterly reporting period (i.e., on the 28th day of January, April, July, and October of each year).

b. The Department utilizes a web-based electronic reporting system for submittal of DMRs. **Except as allowed by Part I.D.1.c. or d., the Permittee shall submit all DMRs required by Part I.D.1.a. by utilizing the Department's current electronic reporting system.** The Department's current reporting system, Alabama Environmental Permitting and Compliance System (AEPACS), can be found online at https://aepacs.adem.alabama.gov/nviro/ncore/external/home.

c. If the electronic reporting system is down (i.e. electronic submittal of DMR data is unable to be completed due to technical problems originating with the Department's system; this could include entry/submittal issues with an entire set of DMRs or individual parameters), permittees are not relieved of their obligation to submit DMR data to the Department by the required submittal date. However, if the electronic reporting system is down on the 28th day of the month or is down for an extended period of time as determined by the Department when a DMR is required to be submitted, the facility 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 electronic reporting system resuming operation, the Permittee shall enter the data into the reporting system unless an alternate timeframe is approved by the Department. An attachment should be included with the electronic DMR submittal verifying the original submittal date (date of the fax, copy of dated e-mail, or hand-delivery stamped date).

d. 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. Permittees 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 Part I.D.1.i.

e. If the Permittee, using approved analytical methods as specified in Part I.C.6., monitors any discharge from a point source identified on Page 1 of this Permit and describe more fully in the Permittee's application 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 Form, and the increased frequency shall be indicated on the DMR Form.

f. In the event no discharge from a point source identified on Page 1 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 Form.

g. Each DMR Form submitted by the Permittee to the Department in accordance with Part I.D.1. must be legible and bear an original signature or electronic signature. Photo and

electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this Permit.

h. All reports and forms required to be submitted by this Permit, the AWPCA, and the Department's rules and regulations, shall be signed by a "responsible official" of the Permittee as defined in ADEM Admin. Code r. 335-6-6-.09 or a "duly authorized representative" of such official as defined in ADEM Admin. Code r. 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 the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

i. All DMRs, reports, and forms required to be submitted by this Permit, the AWPCA and the Department's rules and regulations, shall be submitted through the Department's electronic reporting system, AEPACS, or, if in hardcopy, shall be addressed to:

> Alabama Department of Environmental Management
> Water Division, Mining and Natural Resource Section
> Post Office Box 301463
> Montgomery, Alabama 36130-1463

Certified and Registered Mail shall be addressed to:

> Alabama Department of Environmental Management
> Water Division, Mining and Natural Resource Section
> 1400 Coliseum Boulevard
> Montgomery, Alabama 36110-2059

j. Unless authorized in writing by the Department, approved reporting forms required by this Permit or the Department are not to be altered, and if copied or reproduced, must be consistent in format and identical in content to the ADEM approved form. Unauthorized alteration, falsification, or use of incorrectly reproduced forms constitutes noncompliance with the requirements of this Permit and may significantly delay processing of any request, result in denial of the request, result in permit termination, revocation, suspension, modification, or denial of a permit renewal application, or result in other enforcement action.

k. If this Permit is a reissuance, then the Permittee shall continue to submit DMRs in accordance with the requirements of their previous permit until such time as DMRs are due as discussed in Part I.D.1.

2. Noncompliance Notification

a. The Permittee must notify the Department if, for any reason, the Permittee's discharge:

(1) Potentially threatens human health or welfare;

(2) Potentially threatens fish or aquatic life;

(3) Causes an in-stream water quality criterion to be exceeded;

(4) Does not comply with an applicable toxic pollutant effluent standard or prohibition established under Section 307(a) of the FWPCA, 33 U.S.C. §1317(a);

(5) Contains a quantity of a hazardous substance which has been determined may be harmful to the public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. §1321(b)(4); or

(6) Exceeds any discharge limitation for an effluent parameter as a result of an unanticipated bypass or upset.

The Permittee shall orally or electronically report any of the above occurrences, describing the circumstances and potential effects of such discharge to the Director within 24-hours after the Permittee becomes aware of the occurrence of such discharge. In addition to the oral or electronic report, the Permittee shall submit to the Director a written report as provided in Part I.D.2.c., no later than five (5) days after becoming aware of the occurrence of such discharge.

b. If for any reason, the Permittee's discharge does not comply with any limitation of this Permit, the Permittee shall submit a written report to the Director as provided in Part I.D.2.c. This report must be submitted with the next Discharge Monitoring Report required to be submitted by Part I.D.1. of this Permit after becoming aware of the occurrence of such noncompliance.

c. An electronic Noncompliance Notification Form in a Department-approved format must be submitted to the Director in accordance with Parts I.D.2.a. and b. 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 and times, or if not corrected, the anticipated time the noncompliance is expected to continue; and

(3) A description of the steps taken and/or being taken to reduce or eliminate the noncomplying discharge and to prevent its recurrence.

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

a. The Director may, with respect to any point source identified on Page 1 of this Permit and described more fully in the Permittee's application, 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 provided:

(1) All mining, processing, or disturbance in the drainage basin(s) associated with the discharge has ceased and site access is adequately restricted or controlled to preclude unpermitted and unauthorized mining, processing, transportation, or associated operations/activity;

(2) Permanent, perennial vegetation has been re-established on all areas mined or disturbed for at least one year since mining has ceased in the drainage basin(s) associated with the surface discharge, or all areas have been permanently graded

such that all drainage is directed back into the mined pit to preclude all surface discharges;

(3) Unless waived in writing by the Department, the Permittee has been granted, in writing, a 100% Bond Release, if applicable, by the Alabama Department of Industrial Relations and, if applicable, by the Surface Mining Commission for all areas mined or disturbed in the drainage basin(s) associated with the discharge;

(4) Unless waived in writing by the Department, the Permittee has submitted inspection reports prepared and certified by a Professional Engineer (PE) registered in the State of Alabama or a qualified professional under the PE's direction which certify that the facility has been fully reclaimed or that water quality remediation has been achieved. The first inspection must be conducted approximately one year prior to and the second inspection must be conducted within thirty days of the Permittee's request for termination of monitoring and reporting requirements;

(5) All surface effects of the mining activity such as fuel or chemical tanks, preparation plants or equipment, old tools or equipment, junk or debris, etc., must be removed and disposed of according to applicable state and federal regulations;

(6) The Permittee's request for termination of monitoring and reporting requirements contained in this Permit has been supported by monitoring data covering a period of at least six consecutive months or such longer period as is necessary to assure that the data reflect discharges occurring during varying seasonal climatological conditions;

(7) The Permittee has stated in its request that the samples collected and reported in the monitoring data submitted in support of the Permittee's request for monitoring termination or suspension are representative of the discharge and were collected in accordance with all Permit terms and conditions respecting sampling times (e.g., rainfall events) and methods and were analyzed in accordance with all Permit terms and conditions respecting analytical methods and procedures;

(8) The Permittee has certified that during the entire period covered by the monitoring data submitted, no chemical treatment of the discharge was provided;

(9) The Permittee's request has included the certification required by Part I.D.1.e. of this Permit; and

(10) The Permittee has certified to the Director in writing as part of the request, its compliance with (1) through (9) above.

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.

E. 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 on Page 1 of this Permit and described more fully in the Permittee's application have permanently ceased.

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 officer(s) having the authority and responsibility to prevent and abate violations of the AWPCA, the AEMA, the Department's rules and regulations, and the terms and conditions of this Permit, in writing, no later than ten (10) days after such change. Upon request of the Director, 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**

a. The Permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, suspending, terminating, or revoking and reissuing this Permit, in whole or in part, or to determine compliance with this Permit. The Permittee shall also furnish to the Director upon request, copies of records required to be maintained by this Permit.

b. The Permittee shall furnish to the Director upon request, within a reasonable time, available information (name, phone number, address, and site location) which identifies offsite sources of material or natural resources (mineral, ore, or other material such as iron, coal, coke, dirt, chert, shale, clay, sand, gravel, bauxite, rock, stone, etc.) used in its operation or stored at the facility.

F. SCHEDULE OF COMPLIANCE

The Permittee shall achieve compliance with the discharge limitations specified in Part I.A. of this Permit in accordance with the following schedule:

Compliance must be achieved by the effective date of this Permit.

PART II OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. OPERATIONAL AND MANAGEMENT REQUIREMENTS

1. Facilities Operation and Management

The Permittee shall at all times 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 this 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 this Permit.

2. Pollution Abatement and/or Prevention Plan

a. The Pollution Abatement and/or Prevention (PAP) Plan shall be prepared and certified by a registered Professional Engineer (PE), licensed to practice in the State of Alabama, and shall include at a minimum:

(1) The information indicated in ADEM Admin Code r. 335-6-9-.03 and ADEM Admin. Code ch. 335-6-9 and its Appendices A and B;

(2) A description of methods which will be implemented to prevent offsite vehicle tracking onto roadways and/or into ditches at the entrances and/or exits of the Permittee's operations;

(3) A description of setbacks from waters of the State in units of linear feet on the horizontal plane; a description of the methods taken to visibly delineate setbacks from waters of the State; and a description of any other actions taken to prevent encroachment upon setbacks;

(4) A description of the methods used to delineate the boundaries of coverage under this Permit such that the boundaries are readily visible during the life of the operation;

(5) A description of any other Best Management Practices (BMPs) which will be implemented to provide control of all nonpoint source pollution that is or may be associated with the Permittee's operations;

b. The PAP Plan shall become a part of this Permit and all requirements of the PAP Plan shall become requirements of this Permit pursuant to ADEM Admin Code r. 335-6-9-.05(2). The PAP Plan shall be amended if the Department determines that the existing sediment control measures, erosion control measures, or other site management practices are ineffective or do not meet the requirements of this Permit.

c. For existing sources, the PAP Plan shall be updated to include all requirements of this section within 180 days of the effective date of this permit. New sources shall submit the PAP plan with the NPDES Individual Permit application prior to coverage under this Permit.

3. **Best Management Practices (BMPs)**

a. Unless otherwise authorized in writing by the Director, the Permittee shall provide a means of subsurface withdrawal for any discharge from each point source identified on Page 1 of this Permit and described more fully in the Permittee's application. Notwithstanding the above provision, a means of subsurface withdrawal need not be provided for any discharge caused by a 24-hour precipitation event greater than a 10-year, 24-hour precipitation event.

b. Dilution water shall not be added to achieve compliance with discharge limitations except when the Director has granted prior written authorization for dilution to meet water quality requirements.

c. The Permittee shall minimize the contact of water with overburden, including but not limited to stabilizing disturbed areas through grading, diverting runoff, achieving quick growing stands of temporary vegetation, sealing acid-forming and toxic-forming materials, and maximizing placement of waste materials in back-fill areas.

d. The Permittee shall prepare, submit to the Department for approval, and implement a Best Management Practices (BMPs) Plan for containment of any or all process liquids or solids, in a manner such that these materials do not present a potential for discharge, if so required by the Director. 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.

e. Spill Prevention, Control, and Management

The Permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan acceptable to the Department that is prepared and certified by a Professional Engineer (PE), registered in the State of Alabama, for all onsite petroleum product or other pollutant storage tanks or containers as provided by ADEM Admin. Code r. 335-6-6-.08(j)5. The Plan shall describe and the Permittee shall implement appropriate structural and/or non-structural spill prevention, control, and/or management pursuant to ADEM Admin. Code r. 335-6-6-.12 (r) sufficient to prevent any spills of pollutants from entering a ground or surface water of the State or a publicly or privately owned treatment works. The Plan shall include at a minimum, the engineering requirements provided in 40 C.F.R. §§112.1. Any containment system used to implement this requirement shall be constructed of materials compatible with the substance(s) contained and shall prevent the contamination of groundwater. Such containment systems shall be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided. The Plan shall list any materials which the Permittee may utilize to contain and to absorb fuel and chemical spills and leaks. The Permittee shall maintain sufficient amounts of such materials onsite or have sufficient amounts of such materials readily available to contain and/or absorb fuel and chemical spills and leaks. Soil contaminated by chemical spills, oil spills, etc., must be immediately cleaned up or be removed and disposed of in a manner consistent with all State and federal regulations.

f. All surface drainage and storm water runoff which originate within or enters the Permittee's premises and which contains any pollutants or other wastes shall be discharged, if at all, from a point source identified on Page 1 of this Permit and described more fully in the Permittee's application.

g. The Permittee shall take all reasonable precautions to prevent any surface drainage or storm water runoff which originates outside the Permittee's premises and which contains any pollutants or other wastes from entering the Permittee's premises. At no time shall the Permittee discharge any such surface drainage or storm water runoff which enters the Permittee's premises if, either alone or in combination with the Permittee's effluent, the

discharge would exceed any applicable discharge limitation specified in Part I.A. of this Permit.

4. Biocide Additives

a. The Permittee shall notify the Director in writing not later than sixty (60) days prior to instituting the use of any biocide corrosion inhibitor or chemical additive in any cooling or boiler system(s) regulated by this Permit. Notification is not required for additives that should not reasonably be expected to cause the cooling water or boiler water to exhibit toxicity as determined by analysis of manufacturer's data or testing by the Permittee. Such notification shall include:

(a) Name and general composition of biocide or chemical;

(b) 96-hour median tolerance limit data for organisms representative of the biota of the water(s) which the discharge(s) enter(s);

(c) Quantities to be used;

(d) Frequencies of use;

(e) Proposed discharge concentrations; and

(f) EPA registration number, if applicable.

b. The use of any biocide or chemical additive containing tributyl tin, tributyl tin oxide, zinc, chromium, or related compounds in any cooling or boiler system(s) regulated by the Permit is prohibited except as exempted below. The use of a biocide or additive containing zinc, chromium or related compounds may be used in special circumstances if (1) the permit contains limits for these substances, or (2) the applicant demonstrates during the application process that the use of zinc, chromium or related compounds as a biocide or additive will not pose a reasonable potential to violate the applicable State water quality standards for these substances. The use of any additive, not identified in this Permit or in the application for this Permit or not exempted from notification under this Permit is prohibited, prior to a determination by the Department that permit modification to control discharge of the additive is not required or prior to issuance of a permit modification controlling discharge of the additive.

5. Facility Identification

The Permittee shall clearly display prior to commencement of any regulated activity and until permit coverage is properly terminated, the name of the Permittee, entire NPDES permit number, facility or site name, and other descriptive information deemed appropriate by the Permittee at an easily accessible location(s) to adequately identify the site, unless approved otherwise in writing by the Department. The Permittee shall repair or replace the sign(s) as necessary upon becoming aware that the identification is missing or is unreadable due to age, vandalism, theft, weather, or other reason.

6. Removed Substances

Solids, sludges, filter backwash, or any other pollutants or other wastes removed in the course of treatment or control of wastewaters shall be disposed of in a manner that complies with all applicable Department rules and regulations.

7. **Loss or Failure of Treatment Facilities**

Upon the loss or failure of any treatment facility, 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 Part I.A. of this Permit or any other terms or conditions of this Permit, cease, reduce, or otherwise control production and/or discharges until treatment is restored.

8. **Duty to Mitigate**

The Permittee shall promptly take all reasonable steps to minimize or prevent any violation of this Permit or to mitigate and minimize any adverse impact to waters resulting from noncompliance with any discharge limitation specified in Part I.A. of this Permit, including such accelerated or additional monitoring of the discharge and/or the receiving waterbody as is necessary to determine the nature and impact of the noncomplying discharge.

B. BYPASS AND UPSET

1. **Bypass**

a. Any bypass is prohibited except as provided in Parts II.B.1.b. and c.

b. A bypass is not prohibited if:

(1) It does not cause any applicable discharge limitation specified in Part I.A. of this Permit to be exceeded;

(2) The discharge resulting from such bypass enters the same receiving water as the discharge from the permitted outfall;

(3) It is necessary for essential maintenance of a treatment or control facility or system to assure efficient operation of such facility or system; and

(4) The Permittee monitors the discharge resulting from such bypass at a frequency, at least daily, sufficient to prove compliance with the discharge limitations specified in Part I.A. of this Permit.

c. A bypass is not prohibited and need not meet the discharge limitations specified in Part 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 the Permittee could have installed adequate backup equipment 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, if possible, prior to the anticipated bypass or within 24 hours of an unanticipated bypass, the Permittee is granted such authorization, and

Permittee complies with any conditions imposed by the Director to minimize any adverse impact to waters resulting from the bypass.

d. The Permittee has the burden of establishing that each of the conditions of Parts II.B.1.b. or c. have been met to qualify for an exception to the general prohibition against bypassing contained in Part II.B.1.a. and an exemption, where applicable, from the discharge limitations specified in Part I.A. of this Permit.

2. Upset

a. The Permittee may seek to demonstrate that noncompliance with technology-based effluent limits occurred as a result of an upset if the conditions of Part II.B.2.b are met and if the Permittee complies with the conditions provided in Part II.B.2.c.

b. If the Permittee wishes to establish the affirmative defense of an upset for technology-based effluent limit noncompliance, the Permittee must demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and that the Permittee can identify the specific cause(s) of the upset;

(2) The wastewater treatment facility was at the time being properly operated in accordance with Part II.B.d.

(3) The Permittee submitted notice of the noncompliance during the upset as required by Part II.B.2.c; and

(4) The Permittee complied with any remedial measures required under Part II.A.7. of this Permit.

c. If the Permittee wishes to establish the affirmative defense of an upset for technology-based effluent limit noncompliance, the Permittee shall:

(1) No later than 24-hours after becoming aware of the occurrence of the upset, orally report the occurrence and circumstances of the upset to the Director in accordance with Part I.G.2.; and

(2) No later than five (5) days after becoming aware of the occurrence of the upset, furnish the Director with evidence, including properly signed, contemporaneous operating logs, design drawings, construction certification, maintenance records, weir flow measurements, dated photographs, rain gauge measurements, 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 treatment 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 to waters resulting from the upset.

d. A discharge which is an overflow from a treatment facility or system, or an excess discharge from a point source associated with a treatment facility or system and which

results from a 24-hour precipitation event larger than a 10-year, 24-hour precipitation event is not eligible to be considered as a result of an upset unless:

(1) The treatment facility or system is designed, constructed, and maintained to contain the maximum volume of wastewater which would be generated by the facility during a 24-hour period without an increase in volume from precipitation and the maximum volume of wastewater resulting from a 10-year, 24-hour precipitation event or to treat the maximum flow associated with these volumes. In computing the maximum volume of wastewater which would result from a 10-year, 24-hour precipitation event, the volume which would result from all areas contributing runoff to the individual treatment facility must be included (i.e., all runoff that is not diverted from the mining area and runoff which is not diverted from the preparation plant area); and

(2) The Permittee takes all reasonable steps to maintain treatment of the wastewater and minimize the amount of overflow or excess discharge.

e. The Permittee has the burden of proof in defense of any enforcement action as a result of noncompliance of technology-based effluent limits the Permittee proposes to attribute to an upset.

C. PERMIT CONDITIONS AND RESTRICTIONS

1. Prohibition against Discharge from Facilities Not Certified

a. Notwithstanding any other provisions of this Permit, if the permitted facility has not obtained or is not required to obtain a permit from the Alabama Surface Mining Commission, any discharge(s) from any point or nonpoint source(s) from the permitted facility which was not certified to the Department on a form approved by the Department by a professional engineer, registered in the State of Alabama, as being designed, constructed, and in accordance with plans and specifications reviewed by the Department is prohibited; or

b. Notwithstanding any other provisions of this Permit, if the permitted facility has obtained or is required to obtain a permit from the Alabama Surface Mining Commission, any discharge(s) from any point or nonpoint source(s) from the permitted facility which is associated with a treatment facility which was not constructed and certified to the Alabama Surface Mining Commission pursuant to applicable provisions of said Commission's regulations, is prohibited until the Permittee submits to the Alabama Surface Mining Commission, certification by a professional engineer, registered in the State of Alabama, certifying that such facility has been constructed in accordance with plans and specifications approved by the Alabama Surface Mining Commission. This requirement shall not apply to pumped discharges from the underground works of underground coal mines where no surface structure is required by the Alabama Surface Mining Commission, provided the Department is notified in writing of the completion or installation of such facilities, and the pumped discharges will meet permit effluent limits without treatment.

2. Permit Modification, Suspension, Termination, and Revocation

a. This Permit may be modified, suspended, terminated, or revoked and reissued, in whole or in part, during its term for cause, including but not limited to, the following:

(1) The violation of any term or condition of this Permit;

(2) The obtaining of this Permit by misrepresentation or the failure to disclose fully all relevant facts;

(3) The submission of materially false or inaccurate statements or information in the permit application or reports required by the Permit;

(4) The need for a change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;

(5) The existence of any typographical or clerical errors or of any errors in the calculation of discharge limitations;

(6) The existence of 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;

(7) The threat of the Permittee's discharge on human health or welfare; or

(8) Any other cause allowed by ADEM Admin. Code ch. 335-6-6.

b. The filing of a request by the Permittee for modification, suspension, termination, or revocation and reissuance of this Permit, in whole or in part, does not stay any Permit term or condition of this Permit.

3. Automatic Expiration of Permits for New or Increased Discharges

a. Except as provided by ADEM Admin. Code r. 335-6-6-.02(h) and 335-6-6-.05, if this Permit was issued for a new discharger or new source, it shall expire eighteen months after the issuance date if construction has not begun during that eighteen month period.

b. Except as provided by ADEM Admin. Code r. 335-6-6-.02(h) and 335-6-6-.05, if any portion of this Permit was issued or modified to authorize the discharge of increased quantities of pollutants to accommodate the modification of an existing facility, that portion of this Permit shall expire eighteen months after this Permit's issuance if construction of the modification has not begun within eighteen month period.

c. Construction has begun when the owner or operator has:

(1) Begun, or caused to begin as part of a continuous on-site 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

(2) 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 the paragraph. The entering into a lease with the State of

Alabama for exploration and production of hydrocarbons shall also be considered beginning construction.

d. The automatic expiration of this Permit for new or increased discharges if construction has not begun within the eighteen month period after the issuance of this Permit may be tolled by administrative or judicial stay.

4. **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 this 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.

5. Groundwater

Unless authorized on page 1 of this Permit, this Permit does not authorize any discharge 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.

6. **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, trespass, 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. RESPONSIBILITIES

1. **Duty to Comply**

a. The Permittee must comply with all terms and conditions of this Permit. Any permit noncompliance constitutes a violation of the AWPCA, AEMA, 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 Permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the FWPCA for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if this Permit has not yet been modified to incorporate the effluent standard, prohibition or requirement.

c. For any violation(s) of this Permit, the Permittee is subject to a civil penalty as authorized by the AWPCA, the AEMA, the FWPCA, and Code of Alabama 1975, §§22-22A-1 et. seq., as amended, and/or a criminal penalty as authorized by Code of Alabama 1975, §22-22-1 et. seq., as amended.

d. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of this Permit shall not be a defense for a Permittee in an enforcement action.

e. Nothing in this Permit shall be construed to preclude or negate the Permittee's responsibility or liability to apply for, obtain, or comply with other ADEM, federal, state, or local government permits, certifications, licenses, or other approvals.

f. 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.

g. 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.

2. Change in Discharge

a. The Permittee shall apply for a permit modification at least 180 days in advance of any facility expansion, production increase, process change, or other action that could result in the discharge of additional pollutants, increase the quantity of a discharged pollutant, or that could result in an additional discharge point. This requirement also applies to pollutants 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.

b. The Permittee shall notify the Director as soon as it knows or has reason to believe that it has begun or expects to begin to discharge any pollutant listed as a toxic pollutant pursuant to Section 307(a) of the FWPCA, 33 U.S.C. §1317(a), any substance designated as a hazardous substance pursuant to Section 311(b)(2) of the FWPCA, 33 U.S.C. §1321(b)(2), any waste listed as a hazardous waste pursuant to Code of Alabama 1975, §22-30-10, or any other pollutants or other wastes which is not subject to any discharge limitations specified in Part I.A. of this Permit and was not reported in the Permittee's application, was reported in the Permittee's application in concentrations or mass rates lower than that which the Permittee expects to begin to be discharged, or has reason to believe has begun to be discharged.

3. Compliance with Toxic or Other Pollutant Effluent 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 Sections 301(b)(2)(C),(D),(E) and (F) of the FWPCA, 33 U.S.C. §1311(b)(2)(C),(D),(E), and (F); 304(b)(2) of the FWPCA, 33 U.S.C. §1314(b)(2); or 307(a) of the FWPCA, 33 U.S.C. §1317(a), for a toxic or other pollutant discharged by the Permittee, and such standard or prohibition is more stringent than any discharge limitation on the pollutant specified in Part I.A. of this Permit or controls a pollutant not limited in Part I.A. of this Permit, this Permit shall be modified to conform to the toxic or other 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 or other pollutant effluent standard or prohibition before the effective date of such standard or prohibition, the authorization to discharge in this Permit shall be void to the extent that any discharge limitation on such pollutant in Part I.A. of this Permit exceeds or is inconsistent with the established toxic or other pollutant effluent standard or prohibition.

4. **Compliance with Water Quality Standards and Other Provisions**

a. 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 will assure compliance with applicable water quality standards. However, this Permit does not relieve the Permittee from compliance with applicable State water quality standards established in ADEM Admin. Code ch. 335-6-10, and does not preclude the Department from taking action as appropriate to address the potential for contravention of applicable State water quality standards which could result from discharges of pollutants from the permitted facility.

b. Compliance with Permit terms and conditions notwithstanding, if the Permittee's discharge(s) from point source(s) identified on Page 1 of this Permit cause(s) or contribute(s) to a condition in contravention of State water quality standards, the Department may require abatement action to be taken by the Permittee, modify the Permit pursuant to the Department's rules and regulations, or both.

c. If the Department determines, on the basis of a notice provided pursuant to Part II.C.2. of 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 noticed act until the Permit has been modified.

5. **Compliance with Statutes and Rules**

a. This Permit has been issued under ADEM Admin. Code div. 335-6. All provisions of this division, that are applicable to this Permit, are hereby made a part of this Permit. A copy of this division may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Blvd., Montgomery, AL 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.

6. **Right of Entry and Inspection**

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:

a. Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the Permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;

c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and

d. Sample or monitor at reasonable times, for the purposes of assuring Permit compliance or as otherwise authorized by the AWPCA, any substances or parameters at any location.

7. **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 with the Department a complete permit application for reissuance of this Permit at least 180 days prior to its expiration. **Applications must be submitted electronically via the Department's current electronic permitting system. The Department's current online permitting system, Alabama Environmental Permitting and Compliance System (AEPACS), can be found online at https://aepacs.adem.alabama.gov/nviro/ncore/external/home.**

b. If the Permittee does not desire to continue the discharge(s) allowed by this Permit, the Permittee shall notify the Department at least 180 days prior to expiration of this Permit of the Permittee's intention not to request reissuance of this Permit. This notification must include the information required in Part I.D.4.a. and be signed by an individual meeting the signatory requirements for a permit application as set forth in ADEM Admin. Code r. 335-6-6-.09.

c. Failure of the Permittee to submit to the Department a complete application for reissuance of this Permit at least 180 days prior to the expiration date of this Permit will void the automatic continuation of this Permit provided by ADEM Admin. Code r. 335-6-6-.06; and should this Permit not be reissued for any reason, any discharge after the expiration of this Permit will be an unpermitted discharge.

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 this Permit shall, upon conviction, be subject to penalties and/or imprisonment as provided by the AWPCA and/or the AEMA.

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 punished as provided by applicable State and Federal law.

3. Permit Enforcement

This NPDES Permit is a Permit for the purpose of the AWPCA, the AEMA, and the FWPCA, and as such all terms, conditions, or limitations of this Permit are enforceable under State and Federal law.

4. Relief From Liability

Except as provided in Part II.B.1. (Bypass) and Part II.B.2. (Upset), nothing in this Permit shall be construed to relieve the Permittee of civil or criminal liability under the AWPCA, AEMA, 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 to under Section 311 of the FWPCA, 33 U.S.C. §1321.

C. AVAILABILITY OF REPORTS

Except for data determined to be confidential under Code of Alabama 1975, §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. Knowingly making any false statement in any such report may result in the imposition of criminal penalties as provided for in Section 309 of the FWPCA, 33 U.S.C. §1319, and Code of Alabama 1975, §22-22-14.

D. DEFINITIONS

1. Alabama Environmental Management Act (AEMA) - means Code of Alabama 1975, §§22-22A-1 et. seq., as amended.

2. Alabama Water Pollution Control Act (AWPCA) - means Code of Alabama 1975, §§22-22-1 et. seq., as amended.

3. 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).

4. Arithmetic Mean - means the summation of the individual values of any set of values divided by the number of individual values.

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. Controlled Surface Mine Drainage – means any surface mine drainage that is pumped or siphoned from the active mining area.

9. 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.

10. Daily maximum - means the highest value of any individual sample result obtained during a day.

11. Daily minimum - means the lowest value of any individual sample result obtained during a day.

12. Day - means any consecutive 24-hour period.

13. Department - means the Alabama Department of Environmental Management.

14. Director - means the Director of the Department or his authorized representative or designee.

15. 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, §22-22-1(b)(8).

16. Discharge monitoring report (DMR) - means the form approved by the Director to accomplish monitoring report requirements of an NPDES Permit.

17. DO - means dissolved oxygen.

18. E. coli – means the pollutant parameter Escherichia coli.

19. 8HC - means 8-hour composite sample, including any of the following:

    a. The mixing of at least 5 equal volume samples collected at constant time intervals of not more than 2 hours 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.

20. EPA - means the United States Environmental Protection Agency.

21. Federal Water Pollution Control Act (FWPCA) - means 33 U.S.C. §§1251 et. seq., as amended.

22. Flow – means the total volume of discharge in a 24-hour period.

23. 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).

24. 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.

25. 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.

26. 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.

27. mg/L - means milligrams per liter of discharge.

28. MGD - means million gallons per day.

29. Monthly Average - means, other than for E. coli bacteria, the arithmetic mean of all the composite or grab samples taken for the daily discharges collected in one month period. The monthly average for E. coli bacteria is the geometric mean of daily discharge samples collected in a one month period. The monthly average for flow is the arithmetic mean of all flow measurements taken in a one month period. (Zero discharges shall not be included in the calculation of monthly averages.)

30. 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.

31. New Source - means:

    a. A new source as defined for coal mines by 40 CFR Part 434.11 (1994); and

    b. Any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:

        (1) After promulgation of standards of performance under Section 306 of FWPCA which are applicable to such source; or

        (2) After proposal of standards of performance in accordance with Section 306 of the FWPCA which are applicable to such source, but only if the standards are promulgated in accordance with Section 206 within 120 days of their proposal.

32. NH3-N - means the pollutant parameter ammonia, measured as nitrogen.

33. 1-year, 24-hour precipitation event - means the maximum 24-hour precipitation event with a probable recurrence interval of once in one year as defined by the National Weather Service and Technical Paper No. 40, "Rainfall Frequency Atlas of the U.S.," May 1961, or equivalent regional or rainfall probability information developed therefrom.

34. Permit application - means forms and additional information that are required by ADEM Admin. Code r. 335-6-6-.08 and applicable permit fees.

35. 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. §1362(14).

36. Pollutant - includes for purposes of this Permit, but is not limited to, those pollutants specified in Code of Alabama 1975, §22-22-1(b)(3) and those effluent characteristics, excluding flow, specified in Part I.A. of this Permit.

37. Pollutant of Concern - means those pollutants for which a water body is listed as impaired or which contribute to the listed impairment.

38. Pollution Abatement and/or Prevention Plan (PAP Plan) – mining operations plan developed to minimize impacts on water quality to avoid a contravention of the applicable water quality standards as defined in ADEM Admin. Code r. 335-6-9-.03

39. Preparation, Dry - means a dry preparation facility within which the mineral/material is cleaned, separated, or otherwise processed without use of water or chemical additives before it is shipped to the customer or otherwise utilized. A dry preparation plant includes all ancillary operations and structures necessary to clean, separate, or otherwise process the mineral/material, such as storage areas and loading facilities. Dry preparation also includes minor water spray(s) used solely for dust suppression on equipment and roads to minimize dust emissions.

40. Preparation, Wet - means a wet preparation facility within which the mineral/material is cleaned, separated, or otherwise processed using water or chemical additives before it is shipped to the customer or otherwise utilized. A wet preparation plant includes all ancillary operations and structures necessary to clean, separate, or otherwise process the mineral/material, such as storage areas and loading facilities. Wet preparation also includes mineral extraction/processing by dredging, slurry pumping, etc.

41. 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".

42. Publicly Owned Treatment Works (POTW) - means a wastewater collection and treatment facility owned by the State, municipality, regional entity composed of two or more municipalities, or another entity created by the State or local authority for the purpose of collecting and treating municipal wastewater.

43. Receiving Stream - means the "waters" receiving a "discharge" from a "point source".

44. 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.

45. 10-year, 24-hour precipitation event - means that amount of precipitation which occurs during the maximum 24-hour precipitation event with a probable recurrence interval of once in ten years as

defined by the National Weather Service and Technical Paper No. 40, "Rainfall Frequency Atlas of the U.S.," May 1961, or equivalent regional or rainfall probability information developed therefrom.

46. TKN - means the pollutant parameter Total Kjeldahl Nitrogen.

47. TON - means the pollutant parameter Total Organic Nitrogen.

48. TRC - means Total Residual Chlorine.

49. TSS – means the pollutant parameter Total Suspended Solids

50. Treatment facility and treatment system - means all structures which contain, convey, and as necessary, chemically or physically treat mine and/or associated preparation plant drainage, which remove pollutants limited by this Permit from such drainage or wastewater. This includes all pipes, channels, ponds, tanks, and all other equipment serving such structures.

51. 24HC - means 24-hour composite sample, including any of the following:

    a. The mixing of at least 12 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.

52. 24-hour precipitation event - means that amount of precipitation which occurs within any 24-hour period.

53. 2-year, 24-hour precipitation event - means the maximum 24-hour precipitation event with a probable recurrence interval of once in two years as defined by the National Weather Service and Technical Paper No. 40, "Rainfall Frequency Atlas of the U.S.," May 1961, or equivalent regional or rainfall probability information developed therefrom.

54. 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 control of the Permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate facilities, lack of preventive maintenance, or careless or improper operation.

55. 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, §22-22-1(b)(2). "Waters" include all "navigable waters" as defined in §502(7) of the FWPCA, 33 U.S.C. §1362(7), which are within the State of Alabama.

56. Week - means the period beginning at twelve midnight Saturday and ending at twelve midnight the following Saturday.

57. 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.

E. 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.

F. PROHIBITIONS AND ACTIVIES NOT AUTHORIZED

1. Discharges from disposal or landfill activities as described in ADEM Admin. Code div. 335-13 are not authorized by this Permit unless specifically approved by the Department.

2. Relocation, diversion, or other alteration of a water of the State is not authorized by this Permit unless specifically approved by the Department.

3. Lime or cement manufacturing or production and discharge of process waters from such manufacturing or production is not authorized by this Permit unless specifically approved by the Department.

4. Concrete or asphalt manufacturing or production and discharge of process waters from such manufacturing or production is not authorized by this Permit unless specifically approved by the Department.

5. The discharge of wastewater, generated by any process, facility, or by any other means not under the operational control of the Permittee or not identified in the application for this Permit or not identified specifically in the description of an outfall in this Permit is not authorized by this Permit.

G. DISCHARGES TO IMPAIRED WATERS

1. This Permit does not authorize new sources or new discharges of pollutants of concern to impaired waters unless consistent with an EPA-approved or EPA-established Total Maximum Daily Load (TMDL) and applicable State law, or unless compliance with the limitations and requirements of the Permit ensure that the discharge will not contribute to further degradation of the receiving stream. Impaired waters are those that do not meet applicable water quality standards and are identified on the State of Alabama's §303(d) list or on an EPA-approved or EPA-established TMDL. Pollutants of concern are those pollutants for which the receiving water is listed as impaired or contribute to the listed impairment.

2. Facilities that discharge into a receiving stream which is listed on the State of Alabama's §303(d) list of impaired waters, and with discharges that contain the pollutant(s) for which the waters are impaired, must within six (6) months of the Final §303(d) list approval, document in its BMP plan how the BMPs will control the discharge of the pollutant(s) of concern, and must ensure that there will be no increase of the pollutants of concern. A monitoring plan to assess the effectiveness of the BMPs in achieving the allocations must also be included in the BMP plan.

3. If the facility discharges to impaired waters as described above, it must determine whether a TMDL has been developed and approved or established by EPA for the listed waters. If a TMDL is approved or established during this Permit cycle by EPA for any waters into which the facility discharges, the facility must review the applicable TMDL to see if it includes requirements for control of any water discharged by the Permittee. Within six (6) months of the date of TMDL approval or establishment, the facility must notify the Department on how it will modify its BMP plan to include best management practices specifically targeted to achieve the allocations prescribed

by the TMDL, if necessary. Any revised BMP plans must be submitted to the Department for review. The facility must include in the BMP plan a monitoring component to assess the effectiveness of the BMPs in achieving the allocations.

H. COASTAL ZONE MANAGEMENT

1. Except for those activities described in Part III.H.2., this Permit is conditionally consistent with the Alabama Coastal Area Management Plan (ACAMP) upon continued compliance with the ACAMP.

2. The Permittee must apply for and obtain separate Coastal Area Management Plan Certification if any activity constitutes a Major Project as defined by ADEM Admin. Code ch. 335-8-1.

PART IV SPECIAL REQUIREMENTS, RESTRICTIONS, AND LIMITATIONS

A. DISCHARGES TO IMPAIRED WATERS

1. This Permit does not authorize new sources or new discharges of pollutants of concern to impaired waters unless consistent with an EPA-approved or EPA-established Total Maximum Daily Load (TMDL) and applicable State law, or unless compliance with the limitations and requirements of the Permit ensure that the discharge will not contribute to further degradation of the receiving stream. Impaired waters are those that do not meet applicable water quality standards and are identified on the State of Alabama's §303(d) list or on an EPA-approved or EPA-established TMDL. Pollutants of concern are those pollutants for which the receiving water is listed as impaired or contribute to the listed impairment.

2. Facilities that discharge into a receiving stream which is listed on the State of Alabama's §303(d) list of inpaired waters, and with discharges that contain the pollutant(s) for which the waters are impaired, must within six (6) months of the Final §303(d) list approval, document in its BMP plan how the BMPs will control the discharge of the pollutant(s) of concern, and must ensure that there will be no increase of the pollutants of concern. A monitoring plan to assess the effectiveness of the BMPs in achieving the allocations must also be included in the BMP plan.

3. If the facility discharges to impaired waters as described above, it must determine whether a TMDL has been developed and approved or established by EPA for the listed waters. If a TMDL is approved or established during this Permit cycle by EPA for any waters into which the facility discharges, the facility must review the applicable TMDL to see if it includes requirements for control of any water discharged by the Permittee. Within six (6) months of the date of TMDL approval or establishment, the facility must notify the Department on how it will modify its BMP plan to include best management practices specifically targeted to achieve the allocations prescribed by the TMDL, if necessary. Any revised BMP plans must be submitted to the Department for review. The facility must include in the BMP plan a monitoring component to assess the effectiveness of the BMPs in achieving the allocations.

B. pH EXEMPTION DISCHARGE LIMITATIONS

Where the application of neutralization and sedimentation treatment technology results in the Permittee's inability to comply with applicable total manganese discharge limitations, the daily maximum discharge limitation for pH shall be 10.5 s.u. However, the discharge shall not cause the in-stream pH values to deviate more than 1.0 s.u. from the normal or natural pH, nor be less than 6.0 s.u., nor greater than 8.5 s.u. Use of this exemption must be noted on the DMR Form when submitted for each eligible outfall. Documentation justifying the necessity for the exemption must be also be submitted at the time of or prior to the associated DMR submittal.

C. MANGANESE EXEMPTION DISCHARGE LIMITATIONS

Limitations and monitoring requirements for total manganese do not apply if the drainage, before any treatment, has a pH equal to or more than 6.0 s.u. Use of this exemption must be noted on the Discharge Monitoring Report (DMR) form when submitted for each eligible outfall. Documentation of drainage with a pH equal to or more than 6.0 s.u. before treatment must also be submitted at the time of or prior to the associated DMR submittal.

Facility Name: McDuffie Coal Terminal

NPDES No.: AL0042374

						Freshwater F&W classification.					Freshwater Acute ($\mu g/l$) Q_s =1Q10					Freshwater Chronic ($\mu g/l$) Q_s = 7Q10					Human Health Consumption Fish only ($\mu g/l$) Carcinogen Q_s = Annual Average Non-Carcinogen Q_s = 7Q10			
ID	Pollutant	RP?	Carcinogen yes	Background from upstream source (Cd2) Daily Max	Max Daily Discharge as reported by Applicant (C_{max})	Water Quality Criteria (C_d)	Draft Permit Limit (C_{max})	20% of Draft Permit Limit	RP?	Background from upstream source (Cd2) Monthly Ave	Avg Daily Discharge as reported by Applicant (C_{ave})	Water Quality Criteria (C_d)	Draft Permit Limit (C_{max})	20% of Draft Permit Limit	RP?	Water Quality Criteria (C_d)	Draft Permit Limit (C_{max})	20% of Draft Permit Limit	RP?
1	Antimony			0	0	-	-	-	-	0	0	-	-	-	-	3.73E+02	3.73E+02	7.47E+01	No
2	Arsenic		YES	0	0	340.000	340.000	68.000	No	0	0	150.000	150.000	30.000	No	3.03E-01	3.03E-01	6.06E-02	No
3	Beryllium			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
4	Cadmium			0	0	1.026	1.026	0.205	No	0	0	0.152	0.152	0.030	No	-	-	-	-
5	Chromium/ Chromium III			0	0	322.982	322.982	64.592	No	0	0	42.011	42.011	8.402	No	-	-	-	-
6	Chromium/ Chromium VI			0	0	16.000	16.000	3.200	No	0	0	11.000	11.000	2.200	No	-	-	-	-
7	Copper			0	0	6.984	6.984	1.396	No	0	0	4.953	4.953	0.991	No	1.30E+03	1.30E+03	2.60E+02	No
8	Lead			0	0	30.136	30.136	6.027	No	0	0	1.174	1.174	0.235	No	-	-	-	-
9	Mercury			0	0	2.400	2.400	0.480	No	0	0	0.012	0.012	0.002	No	4.24E-02	4.24E-02	8.48E-03	No
10	Nickel			0	0	260.491	260.491	52.098	No	0	0	28.933	28.933	5.787	No	9.93E+02	9.93E+02	1.99E+02	No
11	Selenium			0	0	20.000	20.000	4.000	No	0	0	5.000	5.000	1.000	No	2.43E+03	2.43E+03	4.86E+02	No
12	Silver			0	0	0.976	0.976	0.195	No	0	0	-	-	-	-	-	-	-	-
13	Thallium			0	0	-	-	-	-	0	0	-	-	-	-	2.74E-01	2.74E-01	5.47E-02	No
14	Zinc			0	0.032	65.132	65.132	13.026	No	0	0.032	65.664	65.664	13.133	No	1.49E+04	1.49E+04	2.98E+03	No
15	Cyanide			0	0	22.000	22.000	4.400	No	0	0	5.200	5.200	1.040	No	9.33E+03	9.33E+03	1.87E+03	No
16	Total Phenolic Compounds			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
17	Hardness (As CaCO3)			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
18	Acrolein			0	0	-	-	-	-	0	0	-	-	-	-	5.43E+00	5.43E+00	1.09E+00	No
19	Acrylonitrile		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.44E-01	1.44E-01	2.88E-02	No
20	Aldrin		YES	0	0	3.000	3.000	0.600	No	0	0	-	-	-	-	2.94E-05	2.94E-05	5.88E-06	No
21	Benzene		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.55E+01	1.55E+01	3.09E+00	No
22	Bromoform		YES	0	0	-	-	-	-	0	0	-	-	-	-	7.88E+01	7.88E+01	1.58E+01	No
23	Carbon Tetrachloride		YES	0	0	-	-	-	-	0	0	-	-	-	-	9.57E-01	9.57E-01	1.91E-01	No
24	Chlordane		YES	0	0	2.400	2.400	0.480	No	0	0	0.0043	0.004	0.001	No	4.73E-04	4.73E-04	9.46E-05	No
25	Clorobenzene			0	0	-	-	-	-	0	0	-	-	-	-	9.08E+02	9.08E+02	1.81E+02	No
26	Chlorodibromo-Methane		YES	0	0	-	-	-	-	0	0	-	-	-	-	7.41E+00	7.41E+00	1.48E+00	No
27	Chloroethane			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
28	2-Chloro-Ethylvinyl Ether			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
29	ChloroForm		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.02E+02	1.02E+02	2.04E+01	No
30	4,4' - DDD		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.81E-04	1.81E-04	3.63E-05	No
31	4,4' - DDE		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.28E-04	1.28E-04	2.56E-05	No
32	4,4' - DDT		YES	0	0	1.100	1.100	0.220	No	0	0	0.001	0.001	0.000	No	1.28E-04	1.28E-04	2.56E-05	No
33	Dichlorobromo-Methane		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.00E+01	1.00E+01	2.01E+00	No
34	1, 1-Dichloroethane			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
35	1, 2-Dichloroethane		YES	0	0	-	-	-	-	0	0	-	-	-	-	2.14E+01	2.14E+01	4.27E+00	No
36	Trans-1, 2-Dichloro-Ethylene			0	0	-	-	-	-	0	0	-	-	-	-	5.91E+03	5.91E+03	1.18E+03	No
37	1, 1-Dichloroethylene		YES	0	0	-	-	-	-	0	0	-	-	-	-	4.17E+03	4.17E+03	8.33E+02	No
38	1, 2-Dichloropropane			0	0	-	-	-	-	0	0	-	-	-	-	8.49E+00	8.49E+00	1.70E+00	No
39	1, 3-Dichloro-Propylene			0	0	-	-	-	-	0	0	-	-	-	-	1.23E+01	1.23E+01	2.46E+00	No
40	Dieldrin		YES	0	0	0.240	0.240	0.048	No	0	0	0.056	0.056	0.011	No	3.12E-05	3.12E-05	6.25E-06	No
41	Ethylbenzene			0	0	-	-	-	-	0	0	-	-	-	-	1.24E+03	1.24E+03	2.49E+02	No
42	Methyl Bromide			0	0	-	-	-	-	0	0	-	-	-	-	8.71E+02	8.71E+02	1.74E+02	No
43	Methyl Chloride			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
44	Methylene Chloride		YES	0	0	-	-	-	-	0	0	-	-	-	-	3.46E+02	3.46E+02	6.91E+01	No
45	1, 1, 2, 2-Tetrachloro-Ethane		YES	0	0	-	-	-	-	0	0	-	-	-	-	2.33E+00	2.33E+00	4.67E-01	No
46	Tetrachloro-Ethylene		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.92E+00	1.92E+00	3.83E-01	No
47	Toluene			0	0	-	-	-	-	0	0	-	-	-	-	8.72E+03	8.72E+03	1.74E+03	No
48	Toxaphene		YES	0	0	0.730	0.730	0.146	No	0	0	0.0002	0.000	0.000	No	1.82E-04	1.82E-04	3.24E-05	No
49	Tributyltin (TBT)		YES	0	0	0.460	0.460	0.092	No	0	0	0.072	0.072	0.014	No	-	-	-	-
50	1, 1, 1-Trichloroethane			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
51	1, 1, 2-Trichloroethane		YES	0	0	-	-	-	-	0	0	-	-	-	-	9.10E+00	9.10E+00	1.82E+00	No
52	Trichloroethylene		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.75E+01	1.75E+01	3.49E+00	No
53	Vinyl Chloride		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.42E+00	1.42E+00	2.85E-01	No
54	P-Chloro-M-Cresol			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
55	2-Chlorophenol			0	0	-	-	-	-	0	0	-	-	-	-	8.71E+01	8.71E+01	1.74E+01	No
56	2, 4-Dichlorophenol			0	0	-	-	-	-	0	0	-	-	-	-	1.72E+02	1.72E+02	3.44E+01	No
57	2, 4-Dimethylphenol			0	0	-	-	-	-	0	0	-	-	-	-	4.98E+02	4.98E+02	9.95E+01	No
58	4, 6-Dinitro-O-Cresol			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
59	2, 4-Dinitrophenol			0	0	-	-	-	-	0	0	-	-	-	-	3.11E+03	3.11E+03	6.22E+02	No
60	4,6-Dinitro-2-methylphenol		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.65E+02	1.65E+02	3.31E+01	No
61	Dioxin (2,3,7,8-TCDD)		YES	0	0	-	-	-	-	0	0	-	-	-	-	2.67E-08	2.67E-08	5.33E-09	No
62	2-Nitrophenol			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
63	4-Nitrophenol			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
64	Pentachlorophenol		YES	0	0	15.943	15.943	3.189	No	0	0	12.231	12.231	2.446	No	1.77E+00	1.77E+00	3.54E-01	No
65	Phenol			0	0	-	-	-	-	0	0	-	-	-	-	5.00E+05	5.00E+05	1.00E+05	No
66	2, 4, 6-Trichlorophenol		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.41E+00	1.41E+00	2.83E-01	No
67	Acenaphthene			0	0	-	-	-	-	0	0	-	-	-	-	5.79E+02	5.79E+02	1.16E+02	No
68	Acenaphthylene			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
69	Anthracene			0	0	-	-	-	-	0	0	-	-	-	-	2.33E+04	2.33E+04	4.67E+03	No
70	Benzidine			0	0	-	-	-	-	0	0	-	-	-	-	1.16E-04	1.16E-04	2.32E-05	No
71	Benzo(A)Anthracene		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.07E-02	1.07E-02	2.13E-03	No
72	Benzo(A)Pyrene		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.07E-02	1.07E-02	2.13E-03	No
73	Benzo(b)fluoranthene			0	0	-	-	-	-	0	0	-	-	-	-	1.07E-02	1.07E-02	2.13E-03	No
74	Benzo(GHI)Perylene			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
75	Benzo(K)Fluoranthene			0	0	-	-	-	-	0	0	-	-	-	-	1.07E-02	1.07E-02	2.13E-03	No
76	Bis (2-Chloroethoxy) Methane			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
77	Bis (2-Chloroethyl)-Ether		YES	0	0	-	-	-	-	0	0	-	-	-	-	3.07E-01	3.07E-01	6.15E-02	No
78	Bis (2-Chloroiso-Propyl) Ether			0	0	-	-	-	-	0	0	-	-	-	-	3.78E+04	3.78E+04	7.56E+03	No
79	Bis (2-Ethylhexyl) Phthalate		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.28E+00	1.28E+00	2.56E-01	No
80	4-Bromophenyl Phenyl Ether			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
81	Butyl Benzyl Phthalate			0	0	-	-	-	-	0	0	-	-	-	-	1.13E+03	1.13E+03	2.25E+02	No
82	2-Chloronaphthalene			0	0	-	-	-	-	0	0	-	-	-	-	9.24E+02	9.24E+02	1.85E+02	No
83	4-Chlorophenyl Phenyl Ether			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
84	Chrysene		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.07E-02	1.07E-02	2.13E-03	No
85	Di-N-Butyl Phthalate			0	0	-	-	-	-	0	0	-	-	-	-	2.62E+03	2.62E+03	5.24E+02	No
86	Di-N-Octyl Phthalate			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
87	Dibenzo(A,H)Anthracene		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.07E-02	1.07E-02	2.13E-03	No
88	1, 2-Dichlorobenzene			0	0	-	-	-	-	0	0	-	-	-	-	7.55E+02	7.55E+02	1.51E+02	No
89	1, 3-Dichlorobenzene			0	0	-	-	-	-	0	0	-	-	-	-	5.62E+02	5.62E+02	1.12E+02	No
90	1, 4-Dichlorobenzene			0	0	-	-	-	-	0	0	-	-	-	-	1.12E+02	1.12E+02	2.25E+01	No
91	3, 3-Dichlorobenzidine		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.66E-02	1.66E-02	3.32E-03	No
92	Diethyl Phthalate			0	0	-	-	-	-	0	0	-	-	-	-	2.56E+04	2.56E+04	5.11E+03	No
93	Dimethyl Phthalate			0	0	-	-	-	-	0	0	-	-	-	-	6.46E+05	6.46E+05	1.30E+05	No
94	2, 4-Dinitrotoluene		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.98E+00	1.98E+00	3.98E-01	No
95	2, 6-Dinitrotoluene			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
96	1,2-Diphenylhydrazine			0	0	-	-	-	-	0	0	-	-	-	-	1.17E-01	1.17E-01	2.34E-02	No
97	Endosulfan (alpha)		YES	0	0	0.22	0.220	0.044	No	0	0	0.056	0.056	0.011	No	5.19E+01	5.19E+01	1.04E+01	No
98	Endosulfan (beta)		YES	0	0	0.22	0.220	0.044	No	0	0	0.056	0.056	0.011	No	5.19E+01	5.19E+01	1.04E+01	No
99	Endosulfan sulfate		YES	0	0	-	-	-	-	0	0	-	-	-	-	5.19E+01	5.19E+01	1.04E+01	No
100	Endrin		YES	0	0	0.086	0.086	0.017	No	0	0	0.036	0.036	0.007	No	3.53E-02	3.53E-02	7.05E-03	No
101	Endrin Aldeyhde		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.76E-01	1.76E-01	3.53E-02	No
102	Fluoranthene			0	0	-	-	-	-	0	0	-	-	-	-	8.12E+01	8.12E+01	1.62E+01	No
103	Fluorene			0	0	-	-	-	-	0	0	-	-	-	-	3.11E+03	3.11E+03	6.22E+02	No
104	Heptochlor		YES	0	0	0.52	0.520	0.104	No	0	0	0.0038	0.004	0.001	No	4.63E-05	4.63E-05	9.26E-06	No
105	Heptachlor Epoxide		YES	0	0	0.52	0.520	0.104	No	0	0	0.0038	0.004	0.001	No	2.29E-05	2.29E-05	4.58E-06	No
106	Hexachlorobenzene		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.68E-04	1.68E-04	3.36E-05	No
107	Hexachlorobutadiene		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.08E+01	1.08E+01	2.15E+00	No
108	Hexachlorocyclohexan (alpha)		YES	0	0	-	-	-	-	0	0	-	-	-	-	2.85E-03	2.85E-03	5.70E-04	No
109	Hexachlorocyclohexan (beta)		YES	0	0	-	-	-	-	0	0	-	-	-	-	9.97E-03	9.97E-03	1.99E-03	No
110	Hexachlorocyclohexan (gamma)		YES	0	0	0.95	0.950	0.190	No	0	0	-	-	-	-	1.08E+00	1.08E+00	2.15E-01	No
111	HexachlorocycloPentadiene			0	0	-	-	-	-	0	0	-	-	-	-	6.45E+02	6.45E+02	1.29E+02	No
112	Hexachloroethane			0	0	-	-	-	-	0	0	-	-	-	-	1.92E+00	1.92E+00	3.84E-01	No
113	Indeno(1, 2, 3-CK)Pyrene		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.07E-02	1.07E-02	2.13E-03	No
114	Isophorone			0	0	-	-	-	-	0	0	-	-	-	-	5.61E+02	5.61E+02	1.12E+02	No
115	Naphthalene			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
116	Nitrobenzene			0	0	-	-	-	-	0	0	-	-	-	-	4.04E+02	4.04E+02	8.07E+01	No
117	N-Nitrosodi-N-Propylamine		YES	0	0	-	-	-	-	0	0	-	-	-	-	2.95E-01	2.95E-01	5.90E-02	No
118	N-Nitrosodimethylamine		YES	0	0	-	-	-	-	0	0	-	-	-	-	1.76E+00	1.76E+00	3.52E-01	No
119	N-Nitrosodiphenylamine		YES	0	0	-	-	-	-	0	0	-	-	-	-	3.50E+00	3.50E+00	7.00E-01	No
120	PCB-1016		YES	0	0	-	-	-	-	0	0	0.014	0.014	0.003	No	3.74E-05	3.74E-05	7.48E-06	No
121	PCB-1221		YES	0	0	-	-	-	-	0	0	0.014	0.014	0.003	No	3.74E-05	3.74E-05	7.48E-06	No
122	PCB-1232		YES	0	0	-	-	-	-	0	0	0.014	0.014	0.003	No	3.74E-05	3.74E-05	7.48E-06	No
123	PCB-1242		YES	0	0	-	-	-	-	0	0	0.014	0.014	0.003	No	3.74E-05	3.74E-05	7.48E-06	No
124	PCB-1248		YES	0	0	-	-	-	-	0	0	0.014	0.014	0.003	No	3.74E-05	3.74E-05	7.48E-06	No
125	PCB-1254		YES	0	0	-	-	-	-	0	0	0.014	0.014	0.003	No	3.74E-05	3.74E-05	7.48E-06	No
126	PCB-1260		YES	0	0	-	-	-	-	0	0	0.014	0.014	0.003	No	3.74E-05	3.74E-05	7.48E-06	No
127	Phenanthrene			0	0	-	-	-	-	0	0	-	-	-	-	-	-	-	-
128	Pyrene			0	0	-	-	-	-	0	0	-	-	-	-	2.33E+03	2.33E+03	4.67E+02	No
129	1, 2, 4-Trichlorobenzene			0	0	-	-	-	-	0	0	-	-	-	-	4.09E+01	4.09E+01	8.19E+00	No

1Outfall 001-1 discharges to Mobile Bay. The 7Q10 for the receiving stream is 0.00 cfs. The Mean Annual Flow for the receiving stream is 0.00 cfs.
This is the receiving stream flow value used in the calculations.

2Outfall 001-1 is reported to have an average discharge flow rate of 0.07107 MGD. This is the discharge flow rate used in the calculations.

3A hardness of 50 mg/L was used in the calculations based on expected stream hardness in this portion of the state.

4Discharge data for all parameters are the results of samples obtained from Outfall 001-1 at McDuffie Coal Terminal.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER DIVISION

NPDES INDIVIDUAL PERMIT RATIONALE

Company Name: Alabama State Port Authority

Facility Name: McDuffie Coal Terminal

County: Mobile

Permit Number: AL0042374

Prepared by: Jasmine White

Date: January 9, 2025

Receiving Waters: Mobile Bay

Permit Coverage: Transportation and Storage of Coal and Associated Areas

SIC Code: 4491

The Department has made a tentative determination that the available information is adequate to support reissuance of this permit.

This proposed permit covers transportation and storage of coal and associated areas which discharge to surface waters of the state.

The proposed permit authorizes treated discharges into the Mobile Bay classified as Fish & Wildlife (F&W) per ADEM Admin. Code ch. 335-6-11. If the requirements of the proposed permit are fully implemented, the facility will not discharge pollutants at levels that will cause or contribute to a violation of the F&W classification.

Full compliance with the proposed permit terms and conditions is expected to be protective of instream water quality and ensure consistency with applicable instream State water quality standards (WQS) for the receiving stream.

The discharge limitations for the daily maximum and minimum of pH, and the monthly average and daily maximum of Total Suspended Solids (TSS), Total Iron as Fe, and Total Manganese as Mn are based on the New Source Performance Standards (NSPS) Effluent Limit Guidelines (ELGs) found in 40 CFR Part 434.25(a) for coal preparation plats and associated areas.

However, the Permittee may submit documentation that discharges from the site normally exhibit a pH equal to or greater than 6.0 s.u. prior to treatment. Part IV.C. of the proposed permit provides that limitations and monitoring requirements for Total Manganese as Mn do not apply if the Permittee has provided the documentation of discharges prior to treatment have a pH equal to or greater than 6.0 s.u. In such a case, the discharge limitations for the daily maximum and minimum of pH and Total Iron as Fe are based on the NSPS ELGs found in 40 CFR Part 434.25(b) for coal preparation and associated areas.

The instream WQS for pH, for streams classified as F&W, are 6.0 - 8.5 s.u per ADEM Admin Code r. 335-6-10-.09; however, because discharges from Outfall 001-1 are expected only in response to rain events, it is the opinion of the Department that discharges with an allowable pH daily maximum of 9.0 will not adversely affect the instream pH based on the low discharge/stream flow ratio. The discharge limitations for pH of 6.0 – 9.0 s.u. for Outfall 001-1 are identical to the NSPS ELGs found in 40 CFR Part 434.25(a).

The ELGs of 40 CFR Part 434.62 allow the pH level in the final discharge to exceed 9.0 s.u. when neutralization and sedimentation treatment technology results in the Permittee's inability to comply with the applicable total manganese limitations. The acidity and metals composition of each discharge is unique and sometimes a pH value of 10.5 is necessary for the removal of manganese. However, the discharge shall not cause the in-stream pH to deviate more than 1.0 s.u. from the normal or natural pH, nor be less than 6.0 s.u., nor greater than 8.5 s.u. in accordance with ADEM Admin. Code r. 335-6-10-.09.

Additional effluent monitoring for Specific Conductance, Sulfate as S, and Total Dissolved Solids (TDS) is required so that future determinations can be made as to whether or not a reasonable potential to cause or contribute to an excursion of numeric or narrative WQS exists from this and similar discharges.

The applicant has, in accordance with 40 CFR Part 122.21 and their NPDES permit application, submitted representative effluent data for parameters listed on EPA Form 2C as part of the application. The Department has reviewed available data in ALAWADR, ADEM's water quality database, and found nothing to contradict the data submitted by the applicant.

The Department completed a reasonable potential analysis (RPA) of the discharges based on the laboratory data provided in the application. The RPA indicates whether or not pollutants in treated effluent have the potential to contribute to excursions of Alabama's in-stream WQS. Based on the analytical data submitted by the Permittee, the RPA indicates that there was no reasonable potential for instream WQS to be exceeded.

The Pollution Abatement/Prevention (PAP) plan for this facility has been prepared by a professional engineer (PE) registered in the State of Alabama and is designed to ensure reduction of pollutants in the waste stream to a level that, if operated properly, the discharge will not contribute to or cause a violation of applicable State WQS. The proposed permit terms and conditions are predicated on the basis of ensuring a reduction of pollutants in the discharge to a level that reduces the potential of contributing to or causing a violation of applicable State WQS.

In accordance with ADEM Admin. Code r. 335-6-3-.07 the design PE, as evidenced by their seal and/or signature on the application, has accepted full responsibility for the effectiveness of the waste treatment facility to treat the Permittee's effluent to meet NPDES permit limitations and requirements, and to fully comply with Alabama's WQS, when such treatment facilities are properly operated.

If there is a reasonable potential that a pollutant present in the treated discharges from a facility could cause or contribute to a contravention of applicable State WQS above numeric or narrative criteria, 40 CFR Part 122 requires the Department to establish effluent limits using calculated water quality criterion, establish effluent limits on a case-by-case basis using criteria established by EPA, or establish effluent limits based on an indicator parameter. Based on available information, potential pollutants discharged from this facility, if discharged within the concentrations allowed by this permit, would not have a reasonable potential to cause or contribute to a contravention of applicable State WQS.

Pursuant to ADEM Admin. Code r. 335-6-6-.12(r) this permit requires the Permittee to design and implement a Spill Prevention Control and Countermeasures (SPCC) plan for all stored chemicals, fuels and/or stored pollutants that have the potential to discharge to a water of the State. This plan must meet the

minimum engineering requirements as defined in 40 CFR Part 112 and must provide for secondary containment adequate to control a potential spill.

The applicant is not proposing discharges of pollutants to a water of the State with an approved Total Maximum Daily Load (TMDL).

The applicant is not proposing discharges into a stream segment or other State water that is included on Alabama's current CWA §303(d) list.

However different segments of Mobile Bay are on the 303(d) list for pathogens and an approved Total Maximum Daily Load (TMDL) for pathogens. The Department believes these pollutants will not be present in the discharge at levels of concern and or the facility will not discharge this pollutant at levels that will cause or contribute to a violation of applicable State water quality standards in the receiving water. Therefore, monitoring and reporting requirements for the pathogens are not being imposed by the Department.

The applicant is not proposing new discharges of pollutant(s) to an ADEM identified Tier I water.

The proposed permit does not authorize new or increased discharges of pollutants to a Tier II water. Therefore, the Antidegradation Policy (ADEM Admin. Code 335-6-10-.04) does not apply to this permit.

NPDES Individual Permit - Modification/Reissuance - Mining (Form 315)

version 4.5

(Submission #: HPS-BWK2-MJZJF, version 1)

Details

Submission ID HPS-BWK2-MJZJF

Form Input

General Instructions

NPDES Individual Application - Mining and Coalbed Methane Operations - Mod/Reissuance (Form 315/549)

PLEASE CONTACT YOUR ASSIGNED PERMIT CONTACT TO DISCUSS THE TYPE OF MODIFICATION YOU SHOULD APPLY FOR BEFORE COMPLETING THIS FORM.

This form should be used to submit the following permit requests for individually permitted Mining and Coalbed Methane Operations:

Modifications/Reissuances that include Permit Transfers and/or Permittee/Facility Name Changes
Minor Modifications
Major Modifications
Reissuances
Reissuance of a permit on or after the current permit's expiration date
Revocation and Reissuance before the current permit's expiration date

Please complete all questions and attach all necessary documentation as prompted throughout the application process. Incomplete or incorrect information will delay processing.

Applicable Fees:
Minor Modifications
$3,400 (Mineral/Resource Extraction Mining, Storage Transloading, Dry Processing)
$3.940 (Wet Preparation, Processing, Beneficiation)
$3,940 (Coalbed Methane Operations)
Major Modifications
$5,820 (Mineral/Resource Extraction Mining, Storage Transloading, Dry Processing)
$6,860 (Wet Preparation, Processing, Beneficiation)
$6,860 (Coalbed Methane Operations)
Reissuances
$5,820 (Mineral/Resource Extraction Mining, Storage Transloading, Dry Processing)
$6,860 (Wet Preparation, Processing, Beneficiation)
$6,860 (Coalbed Methane Operations)
Potential Add-on Fees for Major Modifications and Reissuances
$1,015 (Biomonitoring & Toxicity Limits)
$2,705 (Review of Model Performed by Others)
$4,855 (Modeling desktop)
For assistance, please click here to determine the permit staff responsible for the site or call (334) 394-4372.

Processing Information

Purpose of Application
Reissuance and Modification of Permit Due to Approaching Expiration

Please indicate if the Permittee is applying for a permit transfer and/or name change in addition to permit modification or reissuance:
None

Action Type
Reissuance with Modification

Briefly describe any planned changes at the facility that are included in this reissuance application:
None.

Is this a coalbed methane operation?
No

Permit Information

Permit Number
AL0042374

Current Permittee Name
Alabama State Port Authority

Permittee

Permittee Name
Alabama State Port Authority

Mailing Address

PO BOX 1588

Mobile, AL 36633

Responsible Official

Prefix
Mr.

First Name	Last Name
Rick	*Clark*

Title
Chief Operating Officer

Organization Name
Alabama State Port Authority

Phone Type	Number	Extension
Business	2514417238	

Email
rclark@asdd.com

Mailing Address

P.O. Box 1588

Mobile, AL 36633

Existing Permit Contacts

Affiliation Type	Contact Information	Remove?
Permittee	Alabama State Port Authority	Keep
Facility Contact	Bruce Newell	Keep
Responsible Official,Notification Recipient	Rick Clark	Keep

Facility/Operations Information

Facility/Operations Name
McDuffie Coal Terminal

Permittee Organization Type
State

Parent Corporation and Subsidiary Corporations of Applicant, if any:
NONE PROVIDED

Landowner(s) Name, Address and Phone Number:
Alabama State Port Authority
PO Box 1588
Mobile, AL 36633-1588
251-441-7203

Sub-contractor(s)/Operator(s), if known:
NONE PROVIDED

Facility/Operations Address or Location Description

1768 Yeend Loop
Mobile, AL 36603

Facility/Operations County (Front Gate)
Mobile

Do the operations span multiple counties?
No

Detailed Directions to the Facility/Operations
To enter the visitor gate, take exit 25B from I-10 W. At the fork, turn left toward Virginia Street. After the bridge, continue past the container terminal until you reach the gate on the left at 1901 Ezra Trice Blvd.

Please refer to the link below for Lat/Long map instruction help:
Map Instruction Help

Facility/Operations Front Gate Latitude and Longitude
30.662010879117513,-88.03585830688476

1768 Yeend Loop, Mobile, AL

Township(s), Range(s), Section(s) (Note: If you are submitting multiple TRSs, please separate each TRS by a semicolon. Example: T19S,R1E,S15; T20S,R2E,S16)
TS4S,R1W,S25; TS4S,R1W,S35; TS4S,R1W,S36;

SIC Code(s) [Please select your primary SIC code first]:
4491-Marine Cargo Handling

NAICS Code(s) [Please select your primary NAICS code first]:
488320-Marine Cargo Handling

Facility/Operations Contact

Prefix
Mr.

First Name	Last Name
Bruce	*Newell*

Title
Environmental Labor Supervisor

Organization Name
Alabama State Port Authority

Phone Type	Number	Extension
Business	2518953943	
Mobile	2515250782	

Email
bruce.newell@ALports.com

Member Information

Identify the name, title/position, and unless waived in writing by the Department, the resident address of every officer (a PO Box is not acceptable), general partner, LLP partner, LLC member, investor, director, or person performing a function similar to a director, of the applicant, and each person who is the record or beneficial owner of 10 percent or more of any class of voting stock of the applicant, or any other responsible official(s) of the applicant with legal or decision making responsibility or authority for the facility/operations (if this does not apply, then enter N/A after selecting "Manually Enter in Table"):

List of Names/Titles/Addresses will be entered by:
Manually Entering in Table

Name	Title/Position	Physical Address of Residence
Rick Clark	Chief Operating Officer	1504 Captain Oneal Drive Daphne, AL 36526

Other than the ◆Company/Permittee", identify the name of each corporation, partnership, association, and single proprietorship for which any individual identified above is or was an officer, general partner, LLP partner, LLC member, investor, director, or individual performing a function similar to a director, or principal (10% or more) stockholder, that had an Alabama NPDES permit at any time during the five year (60 month) period immediately preceding the date on which this form is signed (if this does not apply, then enter N/A after selecting "Manually Enter in Table"):

List of Corporations/Partnerships/etc, Names and Titles will be entered by:
Manually Entering in Table

Name of Corporation, Partnership, Association, or Single Proprietorship	Name of Individual	Title/Position in Corporation, Partnership, Association, or Single Proprietorship
N/A	N/A	N/A

Additional Contacts (1 of 1)

ADDITIONAL CONTACTS:

Contact Type
NONE PROVIDED

Contact

First Name
NONE PROVIDED

Last Name
NONE PROVIDED

Title
NONE PROVIDED

Organization Name
NONE PROVIDED

Phone Type **Number** **Extension**
NONE PROVIDED

Email
NONE PROVIDED

Address
[NO STREET ADDRESS SPECIFIED]
[NO CITY SPECIFIED], AL [NO ZIP CODE SPECIFIED]

Compliance History

Has the applicant ever had any of the following:

Event	Apply?
An Alabama NPDES, SID, or UIC permit suspended or terminated	No
An Alabama or federal environmental permit suspended/terminated	No
An Alabama State Oil Gas Board permit or other approval suspended or terminated	No
An Alabama or federal performance/environmental bond, or similar security deposited in lieu of a bond, or portion thereof, forfeited	No

Has the applicant, parent corporation, subsidiary, general partner, LLP partner, or LLC Member had any Warning Letters, Notice of Violations (NOVs), Administrative Actions, or litigation filed by ADEM or EPA during the three year (36 month) period preceding the date on which this form is signed?
No

For this facility, list any other NPDES or other environmental permits (including permit numbers), authorizations, or certifications that have been applied for or issued within the State by ADEM, EPA, Alabama Department of Labor (ADOL), US Army Corp of Engineers (USACE), or other agency, to the applicant, parent corporation, subsidiary, or LLC member whether presently effective, expired, suspended, revoked, or terminated:
503-8011-X002 (air); SAM-2020-00757-JCC

For other facilities, list any other NPDES or other ADEM permits (including permit numbers), authorizations, or certifications that have been applied for or issued within the State by ADEM, EPA, ASMC, ADOL, or USACE, to the applicant, parent corporation, subsidiary, or LLC member whether presently effective, expired, suspended, revoked, or terminated:
AL0002976 (NPDES), ALG140910 (NPDES), AL0047651 (NPDES), ALG140031 (NPDES), ALG140032 (NPDES), ALG140689 (NPDES), ALD058221326 (HWFP), ALD044490183 (HWFP), ALG00654711 (air), IU414900428 (SID), 503-8002-X002 (air), SW-123123-0049 (solid waste cert), ALR10C2UA (NPDES), SAM-2014-00848-GAC/ADEM-2014-331.1-WQC-COE-LOP, SAM-2020-00759-JCC, SAM-2020-00758-JCC, SAM-2020-00344-JCC, SAM-2020-00346-JCC, SAM-2020-00345-JCC, SAM-2017-00189-JEB

Anti-Degradation Evaluation

Pursuant to ADEM Admin. Code ch. 335-6-10-.12(9), responses to the following questions must be provided by the applicant requesting NPDES permit coverage for new or expanded discharges of pollutant(s) to Tier 2 waters (except discharges eligible for coverage under general permits). As part of the permit application review process, the Department is required to consider, based on the applicant's demonstration, whether the proposed new or increased discharge to Tier 2 waters is necessary for important economic or social development in the area in which the waters are located. Does this modification/reissuance include new or expanded discharges to Tier II water(s)?
No

Activity Description & Information

Narrative description of activity(s):
Bulk materials are received from ships, barges, rail, temporarily stored, then reloaded and shipped to a new location.

Total Facility/Operations Area (acres)
154.00

Total Disturbed Area (acres)
154.00

Anticipated Commencement Date
01/01/1975

Anticipated Completion Date
01/01/2100

Please identify which of the following apply to this operation:

Activity/Condition	Appy?
An existing facility/operation which currently results in discharges to State waters?	Yes
A proposed facility/operation which will result in a discharge to State waters?	No

Activity/Condition	Appy?
Be located within any 100-year flood plain?	Yes
Discharge to Municipal Separate Storm Sewer?	No
Discharge to waters of or be located in the Coastal Zone?	Yes
Need/have ADEM UIC permit coverage?	No
Be located on Indian/historically significant lands?	Yes
Need/have ADEM SID permit coverage?	No
Need/have ASMC permit coverage?	No
Need/have State Oil & Gas Board permit coverage?	No
Need/have ADOL permit coverage?	No
Generate, treat, store, or dispose of hazardous or toxic waste?	No
Be located in or discharge to a Public Water Supply (PWS) watershed or be located within ◆ mile of any PWS well?	No
Incised pit	No

Does your facility/operation use cooling water?
No

Material to be Removed, Processed, or Transloaded

Material To Be Removed, Processed, Or Transloaded (Note: Sum must equal 100.)

Mineral(s)/Mineral product(s)	%
Coal	100
	Sum: 100

Proposed Activity To Be Conducted

Type(s) of activity presently conducted at applicant's existing facility or proposed to be conducted at facility (Select Yes or No)):

Activity	Apply?
Adjacent/associated asphalt/concrete plant(s)	No
Alternative fuels operation	No
Auger mining	No
Cement production	No
Chemical processing or leaching	No
Chemicals used in process or wastewater treatment (coagulant, biocide, etc.)	No
Construction related temporary borrow pits/areas	No
Creek/stream crossings	No
Excavation	No
Grading, clearing, grubbing, etc.	No
Hydraulic mining	No
Hydraulic mining, dredging, instream or between stream-bank mining	No
Lime production	No
Low volume sewage treatment package plant	No
Mineral dry processing (crushing & screening)	No
Mineral loading	Yes
Mineral storing	Yes
Mineral transportation	Yes

Activity	Apply?
Mineral wet preparation	No
Onsite construction debris or equipment storage/disposal	Yes
Onsite mining debris or equipment storage/disposal	No
Other beneficiation & manufacturing operations	No
Pre-construction ponded water removal	No
Pre-mining logging or land clearing	No
Preparation plant waste recovery	No
Quarrying	No
Reclamation of disturbed areas	No
Solution mining	No
Surface mining	No
Synthetic fuel production	No
Underground mining	No
Waterbody relocation or other alteration	No
Within-bank mining	No

If the operation will include activities other than those listed above, please describe them below:
NONE PROVIDED

If the type of activity presently conducted or proposed is Mineral Transportation, please indicate which of the following apply:

Barge	Apply?
Barge	Yes
Rail	Yes
Truck	No

Fuel - Chemical Handling, Storage, & Spill Prevention Control & Countermeasures (SPCC) Plan

Will fuels, chemicals, compounds, or liquid waste be used or stored onsite?
Yes

Please identify the fuel, chemicals, compounds, or liquid waste and indicate the volume of each:

Volume (gallons)	Contents
15,200	diesel
9,000	gasoline
1,200	oil

SPCC Plan
McDuffie SPCC March 2023.pdf - 03/24/2023 12:43 PM
Comment
NONE PROVIDED

ASMC Regulated Entities

Is this a coal mining operation regulated by ASMC?
No

Topographic Map Submittal

Topographic Map

Attach to this application a 7.5 minute series U.S.G.S. topographic map(s) or equivalent map(s) no larger than, or folded to a size of 8.5 by 11 inches (several pages may be necessary), of the area extending to at least one mile beyond property boundaries. The topographic or equivalent map(s) must include a caption indicating the name of the topographic map, name of the applicant, facility name, county, and township, range, & section(s) where the facility are located. Unless approved in advance by the Department, the topographic or equivalent map(s), at a minimum, must show: a) An accurate outline of the area to be covered by the permit (b) An outline of the facility (c) All existing and proposed disturbed areas (d) Location of intake and discharge areas (e) Proposed and existing discharge points (f) Perennial, intermittent, and ephemeral streams (g) Lakes, springs, water wells, wetlands (h) All known facility dirt/improved access/haul roads (i) All surrounding unimproved/improved roads (j) High-tension power lines and railroad tracks (k) Contour lines, township-range-section lines (l) Drainage patterns, swales, washes (m) All drainage conveyance/treatment structures (ditches, berms, etc.) (n) Any other pertinent or significant feature.

Topographic Map

Figure 1 Site Location Map.pdf - 03/24/2023 12:51 PM
Figure 2 Site Aerial Map.pdf - 03/24/2023 12:51 PM
Figure 3 Site Drainage Plan.pdf - 03/24/2023 12:51 PM

Comment
NONE PROVIDED

Detailed Facility Map Submittal

Detailed Facility Map

Figure 3 Site Drainage Plan.pdf - 03/24/2023 02:56 PM

Comment
NONE PROVIDED

Outfalls (1 of 1)

Outfall Identifier: 001

Feature Type
Outfall (External)

Outfall Identifier
001

Outfall Status
Existing

ⓘ Please be aware that you should only mark an outfall status as existing if (1) the Department has been previously notified that it was constructed as proposed or (2) it began discharge prior to this application. A proposed outfall is one that is being newly added to the permit OR one that has never discharged or has never been authorized by the Department to discharge. Should you have any questions about which status to select, please contact the Department's permit engineer for this site.

Permit Action
Reissue

Receiving Water
Mobile Bay

Check below if the discharge enters the receiving water via an unnamed tributary.
NONE PROVIDED

Location of Outfall
30.65111100000000, -88.03500000000000

Are the location coordinates above still correct for this outfall?
Yes

Distance to Receiving Water (ft)
270

Disturbed Area (acres)
154

Drainage Area (acres)
154

303(d) Segment?
No

TMDL Segment?
No

Please do not add a new outfall unless you are requesting a modification that includes a new outfall. All of the currently permitted outfalls are already included in this form. If you add an outfall in error, please choose ◆Delete◆ under ◆Permit Action◆ for the outfall. If you have any questions, please contact your permit engineer BEFORE proceeding.

Discharge Characterization

EPA Form 2C, EPA Form 2D, and/or ADEM Form 567 Submittal
No, the applicant does not request a waiver and a complete EPA Form 2C, EPA Form 2D, and/or ADEM Form 567 is attached.

Please attach EPA Form 2C, EPA Form 2D, and/or ADEM Form 567.
EPA Form 2C.pdf - 03/24/2023 03:57 PM
Comment
NONE PROVIDED

Please download the following Excel file to enter your information. Once complete, please attach to the below control.
Download spreadsheet here.

Required attachment:
Form315TableB.xlsx - 03/24/2023 04:20 PM
Comment
NONE PROVIDED

Please download the following Excel file to enter your information. Once complete, please attach to the below control.
Download spreadsheet here.

Required attachment:
Form315TableC.xlsx - 03/24/2023 04:09 PM
Comment
NONE PROVIDED

Discharge Structure Description & Pollutant Source

Please download the following Excel file to enter your information. Once complete, please attach to the below control.
Download spreadsheet here.

Required attachment:
Form315DischargeStructure.xlsx - 03/24/2023 03:06 PM
Comment
NONE PROVIDED

Variance Request

Do you intend to request or renew one or more of the CWA technology variances authorized at 40 CFR 122.21(m)?
No

Pollution Abatement & Prevention (PAP) Plan Summary (1 of 1)

Outfall(s):
001

Outfall Questions:	Please select one:
Runoff from all areas of disturbance is controlled	Yes
Drainage from pit area, stockpiles, and spoil areas directed to a sedimentation pond	Yes
Sedimentation basin at least 0.25 acre/feet for every acre of disturbed drainage	Yes
Sedimentation basin cleaned out when sediment accumulation is 60% of design capacity	Yes
Trees, boulders, and other obstructions removed from pond during initial construction	Yes
Width of top of dam greater than 12'	Yes
Side slopes of dam no steeper than 3:1	Yes
Cutoff trench at least 8' wide	Yes
Side slopes of cutoff trench no less than 1:1	Yes
Cutoff trench located along the centerline of the dam	N/A
Cutoff trench extends at least 2' into bedrock or impervious soil	N/A
Cutoff trench filled with impervious material	N/A
Embankments and cutoff trench 95% compaction standard proctor ASTM	N/A
Embankment free of roots, tree debris, stones >6" diameter, etc.	Yes
Embankment constructed in lifts no greater than 12"	N/A
Spillpipe sized to carry peak flow from a one year storm event	Yes
Spillpipe will not chemically react with effluent	Yes
Subsurface withdrawal	No
Anti-seep collars extend radially at least 2' from each joint in spillpipe	N/A
Splashpad at the end of the spillpipe	Yes
Emergency Spillway sized for peak flow from 25-yr 24-hr event if discharge not into PWS classified stream	Yes
Emergency spillway sized for peak flow from 50-yr 24-hr event if discharge is into PWS classified stream	N/A
Emergency overflow at least 20' long	Yes
Side slopes of emergency spillway no steeper than 2:1	No
Emergency spillway lined with riprap or concrete	No
Minimum of 1.5' of freeboard between normal overflow and emergency overflow	No
Minimum of 1.5' of freeboard between max. design flow of emergency spillway and top of dam	No
All emergency overflows are sized to handle entire drainage area for ponds in series	Yes
Dam stabilized with permanent vegetation	Yes
Sustained grade of haul road <10%	Yes
Maximum grade of haul road <15% for no more than 300'	Yes
Outer slopes of haul road no steeper than 2:1	Yes
Outer slopes of haul road vegetated or otherwise stabilized	Yes
Detail drawings supplied for all stream crossings	N/A
Short-Term Stabilization/Grading And Temporary Vegetative Cover Plans	N/A
Long-Term Stabilization/Grading And Permanent Reclamation or Water Quality Remediation Plans	N/A

Identify and provide detailed explanation for any ◆N◆ or ◆N/A◆ response(s):
No cutoff trench. Construction and stabilization questions were answered N/A due to the construction of the sedimentation ponds occurring more than 20 years ago. No seep collar due to floating weir. No emergency spillway.

Pollution Abatement & Prevention (PAP) Plan Review Checklist

General Information:	Please select one:
PE Seal with License #	Yes
Name and Address of Operator	Yes
Legal Description of Facility	Yes
Name of Company	Yes
Number of Employees	Yes
Products to be Mined	Yes
Hours of Operation	Yes
Water Supply and Disposition	Yes

Maps:	Please select one:
Topographic Map including Information from Part XIII (a) ◆ (o) of this Application	Yes
1◆ ◆ 500◆ or Equivalent Facility Map including Information from Part XIV of this Application	Yes

Detailed Design Diagrams:	Please select one:
Plan Views	Yes
Cross-section Views	No
Method of Diverting Runoff to Treatment Basins	Yes
Line Drawing of Water Flow through Facility with Water Balance or Pictorial Description of Water Flow	Yes

Identify and provide detailed explanation for any ◆N◆ or ◆N/A◆ response(s):
Subbasin details and pond calculations provided.

Narrative of Operations:	Please select one:
Raw Materials Defined	Yes
Processes Defined	Yes
Products Defined	Yes

Schematic Diagram:	Please select one:
Points of Waste Origin	N/A
Collection System	Yes
Disposal System	Yes

Identify and provide detailed explanation for any ◆N◆ or ◆N/A◆ response(s):
In general, there is no waste for the transloading of coal.

Post Treatment Quantity and Quality of Effluent:	Please select one:
Flow	Yes
Suspended Solids	Yes
Iron Concentration	Yes
pH	Yes

Description of Waste Treatment Facility:	Please select one:
Pre-Treatment Measures	Yes
Recovery System	Yes
Expected Life of Treatment Basin	Yes

Description of Waste Treatment Facility:	Please select one:
Measures for Ensuring Access to All Treatment Structures and Related Appurtenances including Outfall Locations	Yes
Schedule of Cleaning and/or Abandonment	Yes

Other:	Please select one:
Precipitation/Volume Calculations/Diagram Attached	Yes
BMP Plan for Haul Roads	Yes
Measures for Minimizing Impacts to Adjacent Stream (e.g., Buffer Strips, Berms)	Yes
Measures for Ensuring Appropriate Setbacks are Maintained at All Times	Yes
Methods for Minimizing Nonpoint Source Discharges	Yes
If Chemical Treatment Used, Methods for Ensuring Appropriate Dosage	Yes
Facility Closure Plans	Yes
PE Rationale(s) For Alternate Standards, Designs or Plans	Yes

Pollution Abatement & Prevention (PAP) Plan

Is this a coal mining operation regulated by ASMC?
No

PAP Plan (non-coal mining facilities)
MCT Pollution Abatement Plan - Final Report (3-24-2023).pdf - 03/24/2023 02:19 PM
Comment
NONE PROVIDED

Professional Engineer (PE)

Registration License Number
26748

Professional Engineer

Prefix
Mr.

First Name **Last Name**
Jason *Newton*

Title
Vice President

Organization Name
McFadden Engineering

Phone Type **Number** **Extension**
Business 2514706870

Email
bnewton@mcfaddenengineering.com

Address
2860 Dauphin Street
Suite D
Mobile, AL 36606

Information for the Applicant

Please read the following information and acknowledge below:
Contact the Department prior to submittal with any questions or to request acceptable alternate content/format.

Be advised that you are not authorized to commence regulated activity until this application can be processed, publicly noticed, and approval to proceed is received in writing from the Department.

EPA Form(s) 1 and 2F need not be submitted unless specifically required by the Department. EPA Form(s) 2C and/or 2D are required to be submitted unless the
applicant is eligible for a waiver and the Department grants a waiver, or unless the relevant information required by EPA Form(s) 2C and/or 2D are submitted to the Department in an alternative format acceptable to the Department.

Planned/proposed mining sites that are greater than 5 acres, that mine/process coal or metallic mineral/ore, or that have wet or chemical processing, must apply for and obtain coverage under an Individual or General NPDES Permit prior to commencement of any land disturbance. Such Individual NPDES Permit coverage may be requested via this ADEM Form 315.

The applicant is advised to contact:
(1) The Alabama Surface Mining Commission (ASMC) if coal, coal fines, coal refuse, or other coal related materials are mined, transloaded, processed, etc.;
(2) The Alabama Department of Labor (ADOL) if conducting non-coal mining operations;
(3) The Alabama Historical Commission for requirements related to any potential historic or culturally significant sites;
(4) The Alabama Department of Conservation and Natural Resources (ADCNR) for requirements related to potential presence of threatened/endangered species;
(5) The US Army Corps of Engineers, Mobile or Nashville Districts, if this project could cause fill to be placed in federal waters or could interfere with navigation.

The Department must be in receipt of a completed version of this form, including any supporting documentation, and the appropriate processing fee [including Greenfield Fee and Biomonitoring & Toxicity Limits fee(s), if applicable], prior to development of a draft NPDES permit.

Acknowledgement
I acknowledge I have read and understand the information above.

Additional Attachments

Additional Attachments
NONE PROVIDED
Comment
NONE PROVIDED

Application Preparer

Application Preparer

Prefix
NONE PROVIDED

First Name	Last Name
Gretchen	*Barrera*

Title
Environmental Director

Organization Name
Alabama State Port Authority

Phone Type	Number	Extension
Business	2514417086	

Email
gretchen.barrera@alports.com

Address
PO Box 1588
Mobile, Mobile County 36633

Fees Assessed

The following itemized fees have been assessed in accordance with Fee Schedule D and 335-1-6-.04(a) of ADEM Admin. Code Division 1 regulations based on the information provided in this application.

If the correct fees are not displayed, please contact your permit engineer PRIOR to submitting the form. Do NOT answer questions erroneously in order to have the correct fee assessed.

Mineral/Resource Extraction Mining, Storage Transloading, Dry Processing:
5820

Biomonitoring & Toxicity Limits:
1015

Fee

Fee
6835

Agreements and Signature(s)

SUBMISSION AGREEMENTS

- ☑ I am the owner of the account used to perform the electronic submission and signature.
- ☑ I have the authority to submit the data on behalf of the facility I am representing.
- ☑ I agree that providing the account credentials to sign the submission document constitutes an electronic signature equivalent to my written signature.
- ☑ I have reviewed the electronic form being submitted in its entirety, and agree to the validity and accuracy of the information contained within it to the best of my knowledge.

Professional Engineer (PE)

A detailed, comprehensive Pollution Abatement & Prevention (PAP) Plan must be prepared, signed, and certified by a professional engineer (PE), registered in the State of Alabama, and the PE must certify as follows: I certify under penalty of lawthat the technical information and data contained in this application, and a comprehensive Pollution Abatement & Prevention (PAP) Plan, including any attached SPCC plan, maps, engineering designs, etc. acceptable to ADEM, for the prevention and minimization of all sources of pollution in stormwater and authorized related process wastewater runoff has been prepared under my supervision for this facility utilizing effective, good engineering and pollution control practices and in accordance with the provisions of this Permit, and ADEM Admin. Code Division 335-6, including Chapter 335-6-9 and Appendices A & B. If the PAP Plan is properly implemented and maintained by the Permittee, discharges of pollutants can reasonably be expected to be effectively minimized to the maximum extent practicable and according to permit discharge limitations and other permit requirements. The applicant has been advised that appropriate pollution abatement/prevention facilities and structural & nonstructural management practices or Department approved equivalent management practices as detailed in the PAP Plan must be fully implemented and regularly maintained as needed at the facility in accordance with good sediment, erosion, and other pollution control practices, permit requirements, and other ADEM requirements to ensure protection of groundwater and surface water quality.

Signed By Brad Newton on 03/24/2023 at 5:54 PM

Responsible Official

This application must be signed and initialed by a Responsible Official of the applicant pursuant to ADEM Admin. Code Rule 335-6-6-.09 who has overall responsibility for the operation of the facility. I certify under penalty of lawthat this document, including technical information and data, the PAP Plan, including any SPCC plan, maps, engineering designs, and all other attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the PE and other person or persons under my supervision 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 or imprisonment for knowing violations. A comprehensive PAP Plan to prevent and minimize discharges of pollution to the maximum extent practicable has been prepared at my direction by a PE for this facility utilizing effective, good engineering and pollution control practices and in accordance with the provisions of ADEM Admin. Code Division 335-6, including Chapter 335-6-9 and Appendices A & B, and information contained in this application, including any attachments. I understand that regular inspections must be performed by, or under the direct supervision of, a PE and all appropriate pollution abatement/prevention facilities and structural & nonstructural management practices or Department approved equivalent management practices identified by the PE must be fully implemented prior to and concurrent with commencement of regulated activities and regularly maintained as needed at the facility in accordance with good sediment, erosion, and other pollution control practices and ADEM requirements. I understand that the PAP Plan must be fully implemented and regularly maintained so that discharges of pollutants can reasonably be expected to be effectively minimized to the maximum extent practicable and according to permit discharge limitations and other requirements to ensure protection of groundwater and surface water quality. I understand that failure to fully implement and regularly maintain required management practices for the protection of groundwater and surface water quality may subject the Permittee to appropriate enforcement action. I certify that this form has not been altered, and if copied or reproduced, is consistent in format and identical in content to the ADEM approved form. I further certify that the discharges described in this application have been tested or evaluated for the presence of non-stormwater discharges and any non-mining associated beneficiation/process pollutants and wastewaters have been fully identified. I acknowledge my understanding that I may be required to obtain a permit from the ADOL. I acknowledge my understanding that if the proposed activities will be conducted in or potentially impact waters of the state or waters of the US (including wetlands), that I may be required to obtain a permit from the USACE.

Signed By Richard Clark on 03/24/2023 at 4:36 PM

The applicant is required to supply the following information separately for every proposed (P) or existing (E) outfall. List expected average daily discharge flow rate in cfs and gpd; frequency of discharge in hours per day and days per month; average summer and winter temperature of discharge(s) in degrees centigrade; average pH in standard units; and average daily discharges in pounds per day of BOD5, Total Suspended Solids, Total Iron, Total Manganese, and Total Aluminum (if bauxite or bauxitic clay or if otherwise believed present):

Outfall E/P	Information Source - # of Samples	Flow (cfs)	Flow (gpd)	Frequency (hours/day)	Frequency (days/month)	Sum/Win Temp, (°C)	pH (s.u.)	BOD5 (lbs/day)	TSS (lbs/day)	Tot Fe (lbs/day)	Tot Mn (lbs/day)	Tot Al (lbs/day)
001E	2020, 2021 - 48 samples	0.11	71070	10	5	28/16	7.2		3.3	0.1	0.1	

The applicant is required to supply outfall number(s) as it appears on the map(s) required by this application [if this application is for a modification to an existing permit do not change the numbering sequence of the permitted outfalls], describe each, (e.g., pipe, spillway, channel, tunnel, conduit, well, discrete fissure, or container), and identify the origin of pollutants. The response must be precise for each outfall. If the discharge of pollutants from any outfall is the result of commingling of waste streams from different origins, each origin must be completely described.

Description of Origin of Pollutants – typical examples: (1) Discharge of drainage from the underground workings of an underground coal mine, (2) Discharge of drainage from a coal surface mine, (3) Discharge of drainage from a coal preparation plant and associated areas, (4) Discharge of process wastewater from a gravel-washing plant, (5) Discharge of wastewater from an existing source coal preparation plant, (6) Discharge of drainage from a sand and gravel pit, (7) Pumped discharge from a limestone quarry, (8) Controlled surface mine drainage (pumped or siphoned), (9) Discharge of drainage from mine reclamation, (10) Other (please describe):

Outfall	Discharge structure Description	Description of Origin of pollutants	Surface Discharge	Groundwater Discharge	Wet Prep -Other Production Plant	Pumped or Controlled Discharge	Low Volume STP
1	pipe	Other: coal transloading op	Yes				

The applicant is required to supply the following information separately for every proposed or existing outfall. Identify and list expected average daily discharge of any other pollutant(s) listed in EPA Form 2C Tables A, B, C, D, and E that are not referenced in Part XVI.B. or otherwise submitted elsewhere, that you know is present or have reason to believe could be present in the discharge(s) at levels of concern:

Outfall E/P	Reason Believed Present	Information Source - # of Samples								
			lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L
001E	None to report									

0 0.25 0.5 1 Miles

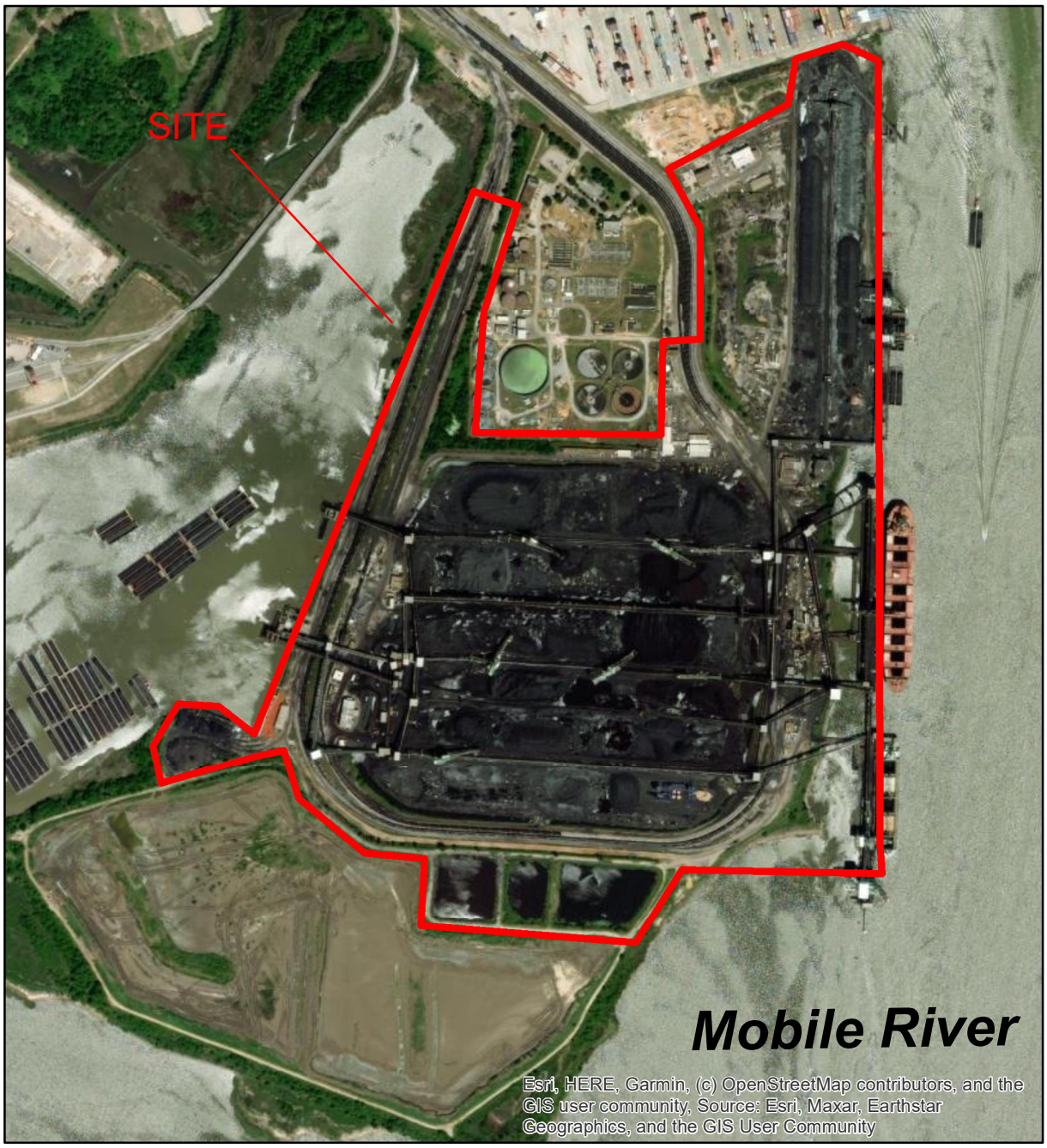
0 1,800 3,600 7,200 Feet

N

McFadden Engineering

Figure 1: Site Location Map
McDuffie Island Coal Terminal
Mobile, Alabama

DATE: NOVEMBER 2022
PROJECT NUMBER: ASPA013
DRAWN BY: TD
SOURCE: ESRI



0 0.15 0.3 0.6 Miles

0 1,000 2,000 4,000 Feet

N

McFadden Engineering

Figure 2: Site Aerial Map
McDuffie Island Coal Terminal
Mobile, Alabama

DATE: NOVEMBER 2022
PROJECT NUMBER: ASPA013
DRAWN BY: TD
SOURCE: ESRI

Site and Drainage Plan

Detention Areas

Southwest Pump Station

South Pump Station

Northwest Pump Station

Sedimentation Basins

McDuffie Export Coal Storage

Port of Mobile-McDuffie Island

Mobile Area Water and Sewer System C.C. Williams WWTP

Port of Mobile Container Terminal

Pump Station

Mobile Bay

DSN001 Stormwater Discharge

Detention Storage

New Pump Station

Proposed Warehouse (under construction)

Northeast Pump Station

Pump Station

Coal Yard 4 Pump Station

Legend

Stormwater Force Main

Stormwater Gravity Line

Stormwater Inlets

Stormwater Pump Station

Stormwater Discharge

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Doug Otto
Alabama State Docks
PO BOX 1588
Mobile, Alabama 36633

Generated 3/14/2025 5:23:09 PM

JOB DESCRIPTION

McDuffie Coal Terminal 2C

JOB NUMBER

400-270993-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
3/14/2025 5:23:09 PM

Authorized for release by
Taylor Bruzzio, Project Manager I
Taylor.Bruzzio@et.eurofinsus.com
Designee for
Isabel Enfinger, Project Manager I
isabel.enfinger@et.eurofinsus.com
(850)471-6237

Table of Contents

Job ID: 400-270993-1 — Eurofins Pensacola

Job Narrative
400-270993-1

Receipt
The sample was received on 2/14/2025 3:30 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.3º C.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method SM 5540C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-699523 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 9222D: The results for the following sample was outside the ideal range of 20-60 colonies per plate as defined by Standard Methods 9222D: 01 (400-270993-1). The colonies were clearly readable; therefore, the results have been reported.

Method 405.1: The USB dilution water D.O. depletion was greater than 0.2 mg/L. The associated sample results in batch 400-699444 are qualified and reported. USB reported at 0.475 mg/L.

Method 375.4: The following sample was diluted to bring the concentration of target analytes within the calibration range: 01 (400-270993-1). Elevated reporting limits (RLs) are provided.

Method SM 4500 SO3 B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: 01 (400-270993-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-1

Client Sample ID: 01

Lab Sample ID: 400-270993-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	64		10		ug/L	1		200.7 Rev 4.4	Total Recoverable
Iron	110		100		ug/L	1		200.7 Rev 4.4	Total Recoverable
Magnesium	12000		500		ug/L	1		200.7 Rev 4.4	Total Recoverable
Manganese	90		10		ug/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	32		20		ug/L	1		200.7 Rev 4.4	Total Recoverable
pH	7.6	HF			SU	1		150.1	Total/NA
Temperature	21.7	HF			Degrees C	1		150.1	Total/NA
Nitrate Nitrite as N	0.18		0.050		mg/L	1		353.2	Total/NA
Sulfate	130		25		mg/L	5		375.4	Total/NA
Total Organic Carbon	2.0		1.0		mg/L	1		415.1	Total/NA
pH at time of analysis	6.4		0.010		SU	1		SM 2120B	Total/NA
Methylene Blue Active Substances	0.22	F1	0.10		mg/l LAS MW 340	1		SM 5540C	Total/NA
Coliform, Fecal	56		4.0		CFU/100mL	1		SM 9222D	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-270993-1	01	Water	02/14/25 10:00	02/14/25 15:30

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-1

Client Sample ID: 01
Date Collected: 02/14/25 10:00
Date Received: 02/14/25 15:30

Lab Sample ID: 400-270993-1
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<1.0		1.0		mg/L			02/18/25 21:59	1
Fluoride	<1.0		1.0		mg/L			02/18/25 21:59	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<200		200		ug/L		02/19/25 05:44	02/19/25 17:25	1
Antimony	<20		20		ug/L		02/19/25 05:44	02/19/25 17:25	1
Arsenic	<20		20		ug/L		02/19/25 05:44	02/19/25 17:25	1
Barium	**64**		10		ug/L		02/19/25 05:44	02/19/25 17:25	1
Beryllium	<4.0		4.0		ug/L		02/19/25 05:44	02/19/25 17:25	1
Boron	<100		100		ug/L		02/19/25 05:44	02/19/25 17:25	1
Cadmium	<5.0		5.0		ug/L		02/19/25 05:44	02/19/25 17:25	1
Chromium	<10		10		ug/L		02/19/25 05:44	02/19/25 17:25	1
Cobalt	<10		10		ug/L		02/19/25 05:44	02/19/25 17:25	1
Copper	<20		20		ug/L		02/19/25 05:44	02/19/25 17:25	1
Iron	**110**		100		ug/L		02/19/25 05:44	02/19/25 17:25	1
Lead	<10		10		ug/L		02/19/25 05:44	02/19/25 17:25	1
Magnesium	**12000**		500		ug/L		02/19/25 05:44	02/19/25 17:25	1
Manganese	**90**		10		ug/L		02/19/25 05:44	02/19/25 17:25	1
Molybdenum	<10		10		ug/L		02/19/25 05:44	02/19/25 17:25	1
Nickel	<40		40		ug/L		02/19/25 05:44	02/19/25 17:25	1
Selenium	<20		20		ug/L		02/19/25 05:44	02/19/25 17:25	1
Silver	<10		10		ug/L		02/19/25 05:44	02/19/25 17:25	1
Thallium	<25		25		ug/L		02/19/25 05:44	02/19/25 17:25	1
Tin	<50		50		ug/L		02/19/25 05:44	02/19/25 17:25	1
Titanium	<10		10		ug/L		02/19/25 05:44	02/19/25 17:25	1
Zinc	**32**		20		ug/L		02/19/25 05:44	02/19/25 17:25	1

Method: EPA 245.1-1994 R3.0 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		02/19/25 12:35	02/19/25 17:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (EPA 150.1)	**7.6**	**HF**			SU			02/18/25 01:42	1
Temperature (EPA 150.1)	**21.7**	**HF**			Degrees C			02/18/25 01:42	1
Total Suspended Solids (EPA 160.2)	<2.5		2.5		mg/L			02/20/25 15:14	1
Oil & Grease (1664B)	<3.9		3.9		mg/L		03/14/25 11:41	03/14/25 14:56	1
Cyanide, Total (EPA 335.2)	<0.0050		0.0050		mg/L		02/21/25 09:53	02/21/25 14:21	1
Ammonia (EPA 350.1)	<0.050		0.050		mg/L			02/19/25 13:19	1
Nitrate Nitrite as N (EPA 353.2)	**0.18**		0.050		mg/L			02/21/25 12:55	1
Phosphorus, Total (EPA 365.4)	<100		100		ug/L		02/17/25 15:22	02/18/25 16:45	1
Sulfate (EPA 375.4)	**130**		25		mg/L			03/12/25 13:10	5
Sulfide (EPA 376.2)	<0.10		0.10		mg/L			02/18/25 13:47	1
Biochemical Oxygen Demand (EPA 405.1)	<2.0		2.0		mg/L			02/14/25 18:16	1
Chemical Oxygen Demand (EPA 410.4)	<10		10		mg/L			03/10/25 10:43	1
Total Organic Carbon (EPA 415.1)	**2.0**		1.0		mg/L			02/20/25 21:45	1
Phenols, Total (EPA 420.4)	<0.0050		0.0050		mg/L			02/21/25 13:26	1
Sulfite (SM 4500 SO3 B-2011)	<2.0	HF	2.0		mg/L			02/24/25 18:00	1

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-1

Client Sample ID: 01
Date Collected: 02/14/25 10:00
Date Received: 02/14/25 15:30

Lab Sample ID: 400-270993-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Organic (EPA Nitrogen,Org)	<0.50		0.50		mg/L			02/24/25 11:44	1
Color (SM 2120B)	<5.0		5.0		Color Units			02/15/25 13:12	1
pH at time of analysis (SM 2120B)	**6.4**		0.010		SU			02/15/25 13:12	1
Chlorine, free (SM 4500 Cl G)	<0.10	HF	0.10		mg/L			02/28/25 12:57	1
Chlorine, Total Residual (SM 4500 Cl G)	<0.10	HF	0.10		mg/L			02/28/25 12:57	1
Methylene Blue Active Substances (SM 5540C)	**0.22**	**F1**	0.10		mg/l LAS MW 340			02/16/25 09:42	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	**56**		4.0		CFU/100mL			02/14/25 17:51	1

Definitions/Glossary

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

HPLC/IC

Analysis Batch: 699944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	300.0	
MB 400-699944/7	Method Blank	Total/NA	Water	300.0	
LCS 400-699944/8	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-699944/9	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 876248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total Recoverable	Water	200.7-1994 R4.4	
MB 680-876248/1-A	Method Blank	Total Recoverable	Water	200.7-1994 R4.4	
LCS 680-876248/2-A	Lab Control Sample	Total Recoverable	Water	200.7-1994 R4.4	

Prep Batch: 876346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	245.1	
MB 680-876346/1-A	Method Blank	Total/NA	Water	245.1	
LCS 680-876346/2-A	Lab Control Sample	Total/NA	Water	245.1	
LLCS 680-876346/3-A	Lab Control Sample	Total/NA	Water	245.1	

Analysis Batch: 876437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	245.1-1994 R3.0	876346
MB 680-876346/1-A	Method Blank	Total/NA	Water	245.1-1994 R3.0	876346
LCS 680-876346/2-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	876346
LLCS 680-876346/3-A	Lab Control Sample	Total/NA	Water	245.1-1994 R3.0	876346

Analysis Batch: 876463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total Recoverable	Water	200.7 Rev 4.4	876248
MB 680-876248/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	876248
LCS 680-876248/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	876248

General Chemistry

Analysis Batch: 38116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	4500 SO3 B-2011	
MB 705-38116/1	Method Blank	Total/NA	Water	4500 SO3 B-2011	
LCS 705-38116/2	Lab Control Sample	Total/NA	Water	4500 SO3 B-2011	
400-270993-1 MS	01	Total/NA	Water	4500 SO3 B-2011	
400-270993-1 MSD	01	Total/NA	Water	4500 SO3 B-2011	

Analysis Batch: 699444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	405.1	
USB 400-699444/1	Method Blank	Total/NA	Water	405.1	
LCS 400-699444/2	Lab Control Sample	Total/NA	Water	405.1	

General Chemistry

Analysis Batch: 699497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	SM 2120B	
MB 400-699497/1	Method Blank	Total/NA	Water	SM 2120B	
LCS 400-699497/3	Lab Control Sample	Total/NA	Water	SM 2120B	
400-270993-1 DU	01	Total/NA	Water	SM 2120B	

Analysis Batch: 699523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	SM 5540C	
MB 400-699523/3	Method Blank	Total/NA	Water	SM 5540C	
LCS 400-699523/4	Lab Control Sample	Total/NA	Water	SM 5540C	
MRL 400-699523/5	Lab Control Sample	Total/NA	Water	SM 5540C	
400-270993-1 MS	01	Total/NA	Water	SM 5540C	
400-270993-1 MSD	01	Total/NA	Water	SM 5540C	

Prep Batch: 699619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	365.2/365.3/365	
MB 400-699619/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 400-699619/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 699675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	376.2	
MB 400-699675/3	Method Blank	Total/NA	Water	376.2	
LCS 400-699675/4	Lab Control Sample	Total/NA	Water	376.2	
MRL 400-699675/2	Lab Control Sample	Total/NA	Water	376.2	

Analysis Batch: 699776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	150.1	
LCS 400-699776/4	Lab Control Sample	Total/NA	Water	150.1	

Analysis Batch: 699849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	365.4	699619
MB 400-699619/1-A	Method Blank	Total/NA	Water	365.4	699619
LCS 400-699619/2-A	Lab Control Sample	Total/NA	Water	365.4	699619
MRL 400-699849/14	Lab Control Sample	Total/NA	Water	365.4	

Analysis Batch: 699906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	350.1	
MB 400-699906/19	Method Blank	Total/NA	Water	350.1	
LCS 400-699906/20	Lab Control Sample	Total/NA	Water	350.1	
MRL 400-699906/13	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 700115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	160.2	
MB 400-700115/1	Method Blank	Total/NA	Water	160.2	
LCS 400-700115/2	Lab Control Sample	Total/NA	Water	160.2	

General Chemistry

Analysis Batch: 700179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	415.1	
MB 400-700179/39	Method Blank	Total/NA	Water	415.1	
MB 400-700179/7	Method Blank	Total/NA	Water	415.1	
LCS 400-700179/40	Lab Control Sample	Total/NA	Water	415.1	
LCS 400-700179/9	Lab Control Sample	Total/NA	Water	415.1	
LCSD 400-700179/10	Lab Control Sample Dup	Total/NA	Water	415.1	
LCSD 400-700179/41	Lab Control Sample Dup	Total/NA	Water	415.1	
MRL 400-700179/6	Lab Control Sample	Total/NA	Water	415.1	
400-270993-1 MS	01	Total/NA	Water	415.1	
400-270993-1 MSD	01	Total/NA	Water	415.1	

Prep Batch: 700199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	Distill/CN	
MB 400-700199/1-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 400-700199/2-A	Lab Control Sample	Total/NA	Water	Distill/CN	

Analysis Batch: 700241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	420.4	
MB 400-700241/19	Method Blank	Total/NA	Water	420.4	
LCS 400-700241/20	Lab Control Sample	Total/NA	Water	420.4	
MRL 400-700241/12	Lab Control Sample	Total/NA	Water	420.4	
400-270993-1 MS	01	Total/NA	Water	420.4	
400-270993-1 MSD	01	Total/NA	Water	420.4	

Analysis Batch: 700249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	335.2	700199
MB 400-700199/1-A	Method Blank	Total/NA	Water	335.2	700199
LCS 400-700199/2-A	Lab Control Sample	Total/NA	Water	335.2	700199
MRL 400-700249/14	Lab Control Sample	Total/NA	Water	335.2	

Analysis Batch: 700255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	353.2	
MB 400-700255/27	Method Blank	Total/NA	Water	353.2	
LCS 400-700255/28	Lab Control Sample	Total/NA	Water	353.2	
MRL 400-700255/29	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 700390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	Nitrogen,Org	

Analysis Batch: 700927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	SM 4500 Cl G	
MB 400-700927/4	Method Blank	Total/NA	Water	SM 4500 Cl G	
LCS 400-700927/5	Lab Control Sample	Total/NA	Water	SM 4500 Cl G	
LCSD 400-700927/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl G	
MRL 400-700927/3	Lab Control Sample	Total/NA	Water	SM 4500 Cl G	

General Chemistry (Continued)

Analysis Batch: 700927 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1 DU	01	Total/NA	Water	SM 4500 Cl G	

Analysis Batch: 701733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	410.4	
MB 400-701733/5	Method Blank	Total/NA	Water	410.4	
LCS 400-701733/6	Lab Control Sample	Total/NA	Water	410.4	
MRL 400-701733/7	Lab Control Sample	Total/NA	Water	410.4	

Analysis Batch: 702054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	375.4	
MB 400-702054/12	Method Blank	Total/NA	Water	375.4	
LCS 400-702054/13	Lab Control Sample	Total/NA	Water	375.4	
MRL 400-702054/14	Lab Control Sample	Total/NA	Water	375.4	

Prep Batch: 702291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	1664B	
MB 400-702291/1-A	Method Blank	Total/NA	Water	1664B	
LCS 400-702291/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 702337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	1664B	702291
MB 400-702291/1-A	Method Blank	Total/NA	Water	1664B	702291
LCS 400-702291/2-A	Lab Control Sample	Total/NA	Water	1664B	702291

Biology

Analysis Batch: 699507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	SM 9222D	
MB 400-699507/1	Method Blank	Total/NA	Water	SM 9222D	
LCS 400-699507/2	Lab Control Sample	Total/NA	Water	SM 9222D	
400-270993-1 DU	01	Total/NA	Water	SM 9222D	

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-699944/7
Matrix: Water
Analysis Batch: 699944

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<1.0		1.0		mg/L			02/18/25 19:51	1
Fluoride	<1.0		1.0		mg/L			02/18/25 19:51	1

Lab Sample ID: LCS 400-699944/8
Matrix: Water
Analysis Batch: 699944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	10.0	9.73		mg/L		97	90 - 110
Fluoride	10.0	10.0		mg/L		100	90 - 110

Lab Sample ID: LCSD 400-699944/9
Matrix: Water
Analysis Batch: 699944

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	10.0	9.82		mg/L		98	90 - 110	1	15
Fluoride	10.0	9.93		mg/L		99	90 - 110	1	15

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 680-876248/1-A
Matrix: Water
Analysis Batch: 876463

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 876248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<200		200		ug/L		02/19/25 05:44	02/20/25 09:05	1
Antimony	<20		20		ug/L		02/19/25 05:44	02/20/25 09:05	1
Arsenic	<20		20		ug/L		02/19/25 05:44	02/20/25 09:05	1
Barium	<10		10		ug/L		02/19/25 05:44	02/20/25 09:05	1
Beryllium	<4.0		4.0		ug/L		02/19/25 05:44	02/20/25 09:05	1
Boron	<100		100		ug/L		02/19/25 05:44	02/20/25 09:05	1
Cadmium	<5.0		5.0		ug/L		02/19/25 05:44	02/20/25 09:05	1
Chromium	<10		10		ug/L		02/19/25 05:44	02/20/25 09:05	1
Cobalt	<10		10		ug/L		02/19/25 05:44	02/20/25 09:05	1
Copper	<20		20		ug/L		02/19/25 05:44	02/20/25 09:05	1
Iron	<100		100		ug/L		02/19/25 05:44	02/20/25 09:05	1
Lead	<10		10		ug/L		02/19/25 05:44	02/20/25 09:05	1
Magnesium	<500		500		ug/L		02/19/25 05:44	02/20/25 09:05	1
Manganese	<10		10		ug/L		02/19/25 05:44	02/20/25 09:05	1
Molybdenum	<10		10		ug/L		02/19/25 05:44	02/20/25 09:05	1
Nickel	<40		40		ug/L		02/19/25 05:44	02/20/25 09:05	1
Selenium	<20		20		ug/L		02/19/25 05:44	02/20/25 09:05	1
Silver	<10		10		ug/L		02/19/25 05:44	02/20/25 09:05	1
Thallium	<25		25		ug/L		02/19/25 05:44	02/20/25 09:05	1
Tin	<50		50		ug/L		02/19/25 05:44	02/20/25 09:05	1
Titanium	<10		10		ug/L		02/19/25 05:44	02/20/25 09:05	1
Zinc	<20		20		ug/L		02/19/25 05:44	02/20/25 09:05	1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-876248/2-A
Matrix: Water
Analysis Batch: 876463

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 876248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	5160		ug/L		103	85 - 115
Antimony	50.0	53.3		ug/L		107	85 - 115
Arsenic	100	101		ug/L		101	85 - 115
Barium	100	107		ug/L		107	85 - 115
Beryllium	50.0	53.9		ug/L		108	85 - 115
Boron	400	374		ug/L		94	85 - 115
Cadmium	50.0	55.0		ug/L		110	85 - 115
Chromium	100	106		ug/L		106	85 - 115
Cobalt	50.0	53.7		ug/L		107	85 - 115
Copper	101	105		ug/L		104	85 - 115
Iron	5000	5340		ug/L		107	85 - 115
Lead	500	539		ug/L		108	85 - 115
Magnesium	5000	5310		ug/L		106	85 - 115
Manganese	400	422		ug/L		105	85 - 115
Molybdenum	100	104		ug/L		104	85 - 115
Nickel	100	110		ug/L		110	85 - 115
Selenium	100	109		ug/L		109	85 - 115
Silver	50.0	50.0		ug/L		100	85 - 115
Thallium	50.0	55.5		ug/L		111	85 - 115
Tin	100	106		ug/L		106	85 - 115
Titanium	50.0	52.2		ug/L		104	85 - 115
Zinc	100	104		ug/L		104	85 - 115

Method: 245.1-1994 R3.0 - Mercury (CVAA)

Lab Sample ID: MB 680-876346/1-A
Matrix: Water
Analysis Batch: 876437

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 876346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		02/19/25 12:35	02/19/25 16:49	1

Lab Sample ID: LCS 680-876346/2-A
Matrix: Water
Analysis Batch: 876437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 876346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.57		ug/L		103	85 - 115

Lab Sample ID: LLCS 680-876346/3-A
Matrix: Water
Analysis Batch: 876437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 876346

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.200	0.196	J	ug/L		98	50 - 150

Method: 160.2 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 400-700115/1
Matrix: Water
Analysis Batch: 700115

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			02/20/25 15:14	1

Lab Sample ID: LCS 400-700115/2
Matrix: Water
Analysis Batch: 700115

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	262	250		mg/L		95	79 - 124

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 400-702291/1-A
Matrix: Water
Analysis Batch: 702337

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702291

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease	<4.0		4.0		mg/L		03/14/25 11:28	03/14/25 14:56	1

Lab Sample ID: LCS 400-702291/2-A
Matrix: Water
Analysis Batch: 702337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702291

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Oil & Grease	40.0	36.60		mg/L		92	78 - 114

Method: 335.2 - Cyanide, Total

Lab Sample ID: MB 400-700199/1-A
Matrix: Water
Analysis Batch: 700249

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 700199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0050		0.0050		mg/L		02/21/25 09:52	02/21/25 13:57	1

Lab Sample ID: LCS 400-700199/2-A
Matrix: Water
Analysis Batch: 700249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 700199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.127	0.133		mg/L		105	75 - 125

Lab Sample ID: MRL 400-700249/14
Matrix: Water
Analysis Batch: 700249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.00400	0.00311	J	mg/L		78	50 - 150

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 400-699906/19
Matrix: Water
Analysis Batch: 699906

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.050		0.050		mg/L			02/19/25 13:18	1

Lab Sample ID: LCS 400-699906/20
Matrix: Water
Analysis Batch: 699906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	3.00	3.00		mg/L		100	90 - 110

Lab Sample ID: MRL 400-699906/13
Matrix: Water
Analysis Batch: 699906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	0.0500	0.0660		mg/L		132	50 - 150

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 400-700255/27
Matrix: Water
Analysis Batch: 700255

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	<0.050		0.050		mg/L			02/21/25 12:09	1

Lab Sample ID: LCS 400-700255/28
Matrix: Water
Analysis Batch: 700255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	0.964		mg/L		96	90 - 110

Lab Sample ID: MRL 400-700255/29
Matrix: Water
Analysis Batch: 700255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.0500	0.0630		mg/L		126	50 - 150

Method: 365.4 - Phosphorus, Total

Lab Sample ID: MB 400-699619/1-A
Matrix: Water
Analysis Batch: 699849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 699619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus, Total	<100		100		ug/L		02/17/25 15:22	02/18/25 16:22	1

Method: 365.4 - Phosphorus, Total (Continued)

Lab Sample ID: LCS 400-699619/2-A
Matrix: Water
Analysis Batch: 699849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 699619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus, Total	1980	2170		ug/L		110	75 - 113

Lab Sample ID: MRL 400-699849/14
Matrix: Water
Analysis Batch: 699849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Phosphorus, Total	0.100	0.100		mg/L		100	50 - 150

Method: 375.4 - Sulfate

Lab Sample ID: MB 400-702054/12
Matrix: Water
Analysis Batch: 702054

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			03/12/25 11:49	1

Lab Sample ID: LCS 400-702054/13
Matrix: Water
Analysis Batch: 702054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	15.0	14.5		mg/L		96	90 - 110

Lab Sample ID: MRL 400-702054/14
Matrix: Water
Analysis Batch: 702054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	5.00	4.46	J	mg/L		89	50 - 150

Method: 376.2 - Sulfide

Lab Sample ID: MB 400-699675/3
Matrix: Water
Analysis Batch: 699675

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.10		0.10		mg/L			02/18/25 13:47	1

Method: 405.1 - BOD, 5-Day

Lab Sample ID: USB 400-699444/1
Matrix: Water
Analysis Batch: 699444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<2.0		2.0		mg/L			02/14/25 13:20	1

Method: 405.1 - BOD, 5-Day (Continued)

Lab Sample ID: LCS 400-699444/2
Matrix: Water
Analysis Batch: 699444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	215		mg/L		109	85 - 115

Method: 410.4 - COD

Lab Sample ID: MB 400-701733/5
Matrix: Water
Analysis Batch: 701733

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<10		10		mg/L			03/10/25 10:43	1

Lab Sample ID: LCS 400-701733/6
Matrix: Water
Analysis Batch: 701733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	50.0	50.8		mg/L		102	90 - 110

Lab Sample ID: MRL 400-701733/7
Matrix: Water
Analysis Batch: 701733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	10.0	12.3		mg/L		123	50 - 150

Method: 415.1 - TOC

Lab Sample ID: MB 400-700179/39
Matrix: Water
Analysis Batch: 700179

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<1.0		1.0		mg/L			02/21/25 01:23	1

Lab Sample ID: MB 400-700179/7
Matrix: Water
Analysis Batch: 700179

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<1.0		1.0		mg/L			02/20/25 16:49	1

Lab Sample ID: LCS 400-700179/40
Matrix: Water
Analysis Batch: 700179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	20.0	20.7		mg/L		103	85 - 115

Method: 415.1 - TOC (Continued)

Lab Sample ID: LCS 400-700179/9
Matrix: Water
Analysis Batch: 700179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			20.0	20.4		mg/L		102	85 - 115		

Lab Sample ID: LCSD 400-700179/10
Matrix: Water
Analysis Batch: 700179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon			20.0	20.4		mg/L		102	85 - 115	0	30

Lab Sample ID: LCSD 400-700179/41
Matrix: Water
Analysis Batch: 700179

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon			20.0	20.1		mg/L		100	85 - 115	3	30

Lab Sample ID: MRL 400-700179/6
Matrix: Water
Analysis Batch: 700179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			1.00	1.23		mg/L		123	50 - 150		

Lab Sample ID: 400-270993-1 MS
Matrix: Water
Analysis Batch: 700179

Client Sample ID: 01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon	2.0		20.0	22.3		mg/L		101	76 - 117		

Lab Sample ID: 400-270993-1 MSD
Matrix: Water
Analysis Batch: 700179

Client Sample ID: 01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	2.0		20.0	22.2		mg/L		101	76 - 117	0	16

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 400-700241/19
Matrix: Water
Analysis Batch: 700241

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	<0.0050		0.0050		mg/L			02/21/25 13:25	1

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCS 400-700241/20
Matrix: Water
Analysis Batch: 700241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	0.100	0.102		mg/L		102	90 - 110

Lab Sample ID: MRL 400-700241/12
Matrix: Water
Analysis Batch: 700241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	0.00500	0.00541		mg/L		108	50 - 150

Lab Sample ID: 400-270993-1 MS
Matrix: Water
Analysis Batch: 700241

Client Sample ID: 01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	<0.0050		0.0200	0.0215		mg/L		94	90 - 110

Lab Sample ID: 400-270993-1 MSD
Matrix: Water
Analysis Batch: 700241

Client Sample ID: 01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenols, Total	<0.0050		0.0200	0.0214		mg/L		93	90 - 110	0	20

Method: 4500 SO3 B-2011 - Sulfite

Lab Sample ID: MB 705-38116/1
Matrix: Water
Analysis Batch: 38116

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfite	<2.0		2.0		mg/L			02/24/25 18:00	1

Lab Sample ID: LCS 705-38116/2
Matrix: Water
Analysis Batch: 38116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfite	50.0	39.0		mg/L		78	70 - 130

Lab Sample ID: 400-270993-1 MS
Matrix: Water
Analysis Batch: 38116

Client Sample ID: 01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfite	<2.0	HF	50.0	38.0		mg/L		76	50 - 150

Method: 4500 SO3 B-2011 - Sulfite (Continued)

Lab Sample ID: 400-270993-1 MSD — **Client Sample ID: 01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 38116

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfite	<2.0	HF	50.0	38.0		mg/L		76	50 - 150	0	30

Method: SM 2120B - Color, Colorimetric

Lab Sample ID: MB 400-699497/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 699497

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	<5.0		5.0		Color Units			02/15/25 13:12	1
pH at time of analysis	6.12		0.010		SU			02/15/25 13:12	1

Lab Sample ID: LCS 400-699497/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 699497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Color	35.0	34.0		Color Units		97	90 - 110

Lab Sample ID: 400-270993-1 DU — **Client Sample ID: 01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 699497

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Color	<5.0		<5.0		Color Units		NC	6
pH at time of analysis	6.4		6.44		SU		0	30

Method: SM 4500 Cl G - Chlorine, Residual

Lab Sample ID: MB 400-700927/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 700927

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorine, free	<0.10		0.10		mg/L			02/28/25 12:57	1
Chlorine, Total Residual	<0.10		0.10		mg/L			02/28/25 12:57	1

Lab Sample ID: LCS 400-700927/5 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 700927

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorine, free	1.17	1.09		mg/L		93	85 - 115
Chlorine, Total Residual	1.17	1.16		mg/L		99	85 - 115

Method: SM 4500 Cl G - Chlorine, Residual (Continued)

Lab Sample ID: LCSD 400-700927/6
Matrix: Water
Analysis Batch: 700927

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorine, free			1.17	1.10		mg/L		94	85 - 115	1	10.0
Chlorine, Total Residual			1.17	1.17		mg/L		100	85 - 115	1	10.0

Lab Sample ID: MRL 400-700927/3
Matrix: Water
Analysis Batch: 700927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chlorine, free			0.117	0.110		mg/L		94	50 - 150		
Chlorine, Total Residual			0.117	0.110		mg/L		94	50 - 150		

Lab Sample ID: 400-270993-1 DU
Matrix: Water
Analysis Batch: 700927

Client Sample ID: 01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chlorine, free	<0.10	HF		<0.10		mg/L				NC	10
Chlorine, Total Residual	<0.10	HF		<0.10		mg/L				NC	10

Method: SM 5540C - Methylene Blue Active Substances (MBAS)

Lab Sample ID: MB 400-699523/3
Matrix: Water
Analysis Batch: 699523

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Blue Active Substances	<0.10		0.10		mg/l LAS MW 340			02/16/25 09:42	1

Lab Sample ID: LCS 400-699523/4
Matrix: Water
Analysis Batch: 699523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Blue Active Substances			0.500	0.514		mg/l LAS MW 340		103	90 - 110		

Lab Sample ID: MRL 400-699523/5
Matrix: Water
Analysis Batch: 699523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Blue Active Substances			0.100	0.0970	J	mg/L		97	75 - 125		

Method: SM 5540C - Methylene Blue Active Substances (MBAS) (Continued)

Lab Sample ID: 400-270993-1 MS
Matrix: Water
Analysis Batch: 699523

Client Sample ID: 01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Blue Active Substances	0.22	F1	0.500	0.377	F1	mg/l LAS MW 340		32	70 - 130		

Lab Sample ID: 400-270993-1 MSD
Matrix: Water
Analysis Batch: 699523

Client Sample ID: 01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Blue Active Substances	0.22	F1	0.500	0.392	F1	mg/l LAS MW 340		35	70 - 130	4	30

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Lab Sample ID: MB 400-699507/1
Matrix: Water
Analysis Batch: 699507

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.0		1.0		CFU/100mL			02/14/25 17:51	1

Lab Sample ID: 400-270993-1 DU
Matrix: Water
Analysis Batch: 699507

Client Sample ID: 01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Coliform, Fecal	56			60.0		CFU/100mL				7	50

Lab Chronicle

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-1

Client Sample ID: 01

Lab Sample ID: 400-270993-1

Date Collected: 02/14/25 10:00

Matrix: Water

Date Received: 02/14/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	10 mL	10 mL	699944	02/18/25 21:59	AMM	EET PEN
Total Recoverable	Prep	200.7-1994 R4.4			25 mL	25 mL	876248	02/19/25 05:44	RR	EET SAV
Total Recoverable	Analysis	200.7 Rev 4.4		1			876463	02/19/25 17:25	BJB	EET SAV
Total/NA	Prep	245.1			50 mL	50 mL	876346	02/19/25 12:35	MG	EET SAV
Total/NA	Analysis	245.1-1994 R3.0		1			876437	02/19/25 17:25	BJB	EET SAV
Total/NA	Analysis	150.1		1			699776	02/18/25 01:42	JP	EET PEN
Total/NA	Analysis	160.2		1	200 mL	100 mL	700115	02/20/25 15:14	EJT	EET PEN
Total/NA	Prep	1664B			1016 mL	1000 mL	702291	03/14/25 11:41	DPB	EET PEN
Total/NA	Analysis	1664B		1			702337	03/14/25 14:56	DPB	EET PEN
Total/NA	Prep	Distill/CN			6 mL	6 mL	700199	02/21/25 09:53	VB	EET PEN
Total/NA	Analysis	335.2		1	100 mL	100 mL	700249	02/21/25 14:21	VB	EET PEN
Total/NA	Analysis	350.1		1	10 mL	10 mL	699906	02/19/25 13:19	CAC	EET PEN
Total/NA	Analysis	353.2		1	5 mL	5 mL	700255	02/21/25 12:55	KWS	EET PEN
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	699619	02/17/25 15:22	VB	EET PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	699849	02/18/25 16:45	VB	EET PEN
Total/NA	Analysis	375.4		5	10 mL	10 mL	702054	03/12/25 13:10	CJK	EET PEN
Total/NA	Analysis	376.2		1	7.5 mL	7.5 mL	699675	02/18/25 13:47	AC	EET PEN
Total/NA	Analysis	405.1		1	300 mL	300 mL	699444	02/14/25 18:16	TDM	EET PEN
							Completed:	02/19/25 11:53 [1]		
Total/NA	Analysis	410.4		1	2 mL	2 mL	701733	03/10/25 10:43	CJK	EET PEN
Total/NA	Analysis	415.1		1	50 mL	50 mL	700179	02/20/25 21:45	AC	EET PEN
Total/NA	Analysis	420.4		1	10 mL	10 mL	700241	02/21/25 13:26	CAC	EET PEN
Total/NA	Analysis	4500 SO3 B-2011		1	50 mL	50 mL	38116	02/24/25 18:00	AH	EET ATL
Total/NA	Analysis	Nitrogen,Org		1			700390	02/24/25 11:44	KWS	EET PEN
Total/NA	Analysis	SM 2120B		1			699497	02/15/25 13:12	KWS	EET PEN
Total/NA	Analysis	SM 4500 Cl G		1	10 mL	10 mL	700927	02/28/25 12:57	CAC	EET PEN
Total/NA	Analysis	SM 5540C		1	100 mL	100 mL	699523	02/16/25 09:42	CJK	EET PEN
Total/NA	Analysis	SM 9222D		1	25 mL	100 mL	699507	02/14/25 17:51	TDM	EET PEN
							Completed:	02/15/25 15:53 [1]		

Client Sample ID: Method Blank

Lab Sample ID: MB 400-699497/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2120B		1			699497	02/15/25 13:12	KWS	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-699507/1

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9222D		1	100 mL	100 mL	699507	02/14/25 17:51	TDM	EET PEN
							Completed:	02/15/25 15:53 [1]		

Client Sample ID: Method Blank
Lab Sample ID: MB 400-699523/3

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5540C		1	100 mL	100 mL	699523	02/16/25 09:42	CJK	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-699619/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	699619	02/17/25 15:22	VB	EET PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	699849	02/18/25 16:22	VB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-699675/3

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	376.2		1	7.5 mL	7.5 mL	699675	02/18/25 13:47	AC	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-699906/19

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	699906	02/19/25 13:18	CAC	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-699944/7

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	10 mL	10 mL	699944	02/18/25 19:51	AMM	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-700115/1

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	160.2		1	100 mL	100 mL	700115	02/20/25 15:14	EJT	EET PEN

Client: Alabama State Docks
Job ID: 400-270993-1
Project/Site: McDuffie Coal Terminal 2C

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-700179/39**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	415.1		1	50 mL	50 mL	700179	02/21/25 01:23	AC	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-700179/7**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	415.1		1	50 mL	50 mL	700179	02/20/25 16:49	AC	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-700199/1-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Distill/CN			6 mL	6 mL	700199	02/21/25 09:52	VB	EET PEN
Total/NA	Analysis	335.2		1	100 mL	100 mL	700249	02/21/25 13:57	VB	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-700241/19**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	420.4		1	10 mL	10 mL	700241	02/21/25 13:25	CAC	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-700255/27**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	5 mL	5 mL	700255	02/21/25 12:09	KWS	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-700927/4**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 Cl G		1	10 mL	10 mL	700927	02/28/25 12:57	CAC	EET PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-701733/5**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	410.4		1	2 mL	2 mL	701733	03/10/25 10:43	CJK	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-702054/12

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	375.4		1	10 mL	10 mL	702054	03/12/25 11:49	CJK	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-702291/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664B			1000 mL	1000 mL	702291	03/14/25 11:28	DPB	EET PEN
Total/NA	Analysis	1664B		1			702337	03/14/25 14:56	DPB	EET PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 680-876248/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7-1994 R4.4			25 mL	25 mL	876248	02/19/25 05:44	RR	EET SAV
Total Recoverable	Analysis	200.7 Rev 4.4		1			876463	02/20/25 09:05	BJB	EET SAV

Client Sample ID: Method Blank
Lab Sample ID: MB 680-876346/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	245.1			50 mL	50 mL	876346	02/19/25 12:35	MG	EET SAV
Total/NA	Analysis	245.1-1994 R3.0		1			876437	02/19/25 16:49	BJB	EET SAV

Client Sample ID: Method Blank
Lab Sample ID: MB 705-38116/1

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	4500 SO3 B-2011		1	50 mL	50 mL	38116	02/24/25 18:00	AH	EET ATL

Client Sample ID: Method Blank
Lab Sample ID: USB 400-699444/1

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	405.1		1	300 mL	300 mL	699444	02/14/25 13:20	TDM	EET PEN
							Completed:	02/19/25 10:35 [1]		

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-699444/2
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	405.1		1	1 mL	1 mL	699444	02/14/25 13:20	TDM	EET PEN
							Completed:	02/19/25 10:44 [1]		

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-699497/3
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2120B		1			699497	02/15/25 13:12	KWS	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-699507/2
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 9222D		1	1 mL	100 mL	699507	02/14/25 17:51	TDM	EET PEN
							Completed:	02/15/25 15:53 [1]		

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-699523/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5540C		1	100 mL	100 mL	699523	02/16/25 09:42	CJK	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-699619/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	365.2/365.3/365			25 mL	25 mL	699619	02/17/25 15:22	VB	EET PEN
Total/NA	Analysis	365.4		1	10 mL	10 mL	699849	02/19/25 10:28	VB	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-699675/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	376.2		1	7.5 mL	7.5 mL	699675	02/18/25 13:47	AC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-699776/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	150.1		1			699776	02/18/25 14:30	JP	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-699906/20**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	10 mL	10 mL	699906	02/19/25 13:18	CAC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-699944/8**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	10 mL	10 mL	699944	02/18/25 20:12	AMM	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-700115/2**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	160.2		1	100 mL	100 mL	700115	02/20/25 15:14	EJT	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-700179/40**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	415.1		1	50 mL	50 mL	700179	02/21/25 01:39	AC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-700179/9**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	415.1		1	50 mL	50 mL	700179	02/20/25 17:23	AC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-700199/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Distill/CN			6 mL	6 mL	700199	02/21/25 09:52	VB	EET PEN
Total/NA	Analysis	335.2		1	100 mL	100 mL	700249	02/21/25 13:58	VB	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-700241/20**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	420.4		1	10 mL	10 mL	700241	02/21/25 13:25	CAC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-700255/28**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	5 mL	5 mL	700255	02/21/25 12:10	KWS	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-700927/5**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 Cl G		1	100 mL	100 mL	700927	02/28/25 12:57	CAC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-701733/6**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	410.4		1	2 mL	2 mL	701733	03/10/25 10:43	CJK	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-702054/13**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	375.4		1	10 mL	10 mL	702054	03/12/25 11:49	CJK	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-702291/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664B			1000 mL	1000 mL	702291	03/14/25 11:28	DPB	EET PEN
Total/NA	Analysis	1664B		1			702337	03/14/25 14:56	DPB	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 680-876248/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7-1994 R4.4			25 mL	25 mL	876248	02/19/25 05:44	RR	EET SAV
Total Recoverable	Analysis	200.7 Rev 4.4		1			876463	02/19/25 16:47	BJB	EET SAV

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 680-876346/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	245.1			50 mL	50 mL	876346	02/19/25 12:35	MG	EET SAV
Total/NA	Analysis	245.1-1994 R3.0		1			876437	02/19/25 16:52	BJB	EET SAV

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 705-38116/2**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	4500 SO3 B-2011		1	50 mL	50 mL	38116	02/24/25 18:00	AH	EET ATL

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-699944/9**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	10 mL	10 mL	699944	02/18/25 20:35	AMM	EET PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-700179/10**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	415.1		1	50 mL	50 mL	700179	02/20/25 17:39	AC	EET PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-700179/41**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	415.1		1	50 mL	50 mL	700179	02/21/25 01:54	AC	EET PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-700927/6**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 Cl G		1	100 mL	100 mL	700927	02/28/25 12:57	CAC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LLCS 680-876346/3-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	245.1			50 mL	50 mL	876346	02/19/25 12:35	MG	EET SAV
Total/NA	Analysis	245.1-1994 R3.0		1			876437	02/19/25 16:54	BJB	EET SAV

Client Sample ID: Lab Control Sample — **Lab Sample ID: MRL 400-699523/5**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5540C		1	100 mL	100 mL	699523	02/16/25 09:42	CJK	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: MRL 400-699675/2**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	376.2		1	7.5 mL	7.5 mL	699675	02/18/25 13:47	AC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: MRL 400-699849/14**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	365.4		1	10 mL	10 mL	699849	02/18/25 15:11	VB	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: MRL 400-699906/13**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	350.1		1	100 mL	100 mL	699906	02/19/25 13:18	CAC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: MRL 400-700179/6**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	415.1		1	50 mL	50 mL	700179	02/20/25 16:31	AC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: MRL 400-700241/12**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	420.4		1	100 mL	100 mL	700241	02/21/25 13:25	CAC	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: MRL 400-700249/14**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	335.2		1	100 mL	100 mL	700249	02/21/25 13:55	VB	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: MRL 400-700255/29**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	5 mL	5 mL	700255	02/21/25 12:12	KWS	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-700927/3
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 Cl G		1	100 mL	100 mL	700927	02/28/25 12:57	CAC	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-701733/7
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	410.4		1	2 mL	2 mL	701733	03/10/25 10:43	CJK	EET PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-702054/14
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	375.4		1	10 mL	10 mL	702054	03/12/25 11:50	CJK	EET PEN

Client Sample ID: 01
Lab Sample ID: 400-270993-1 MS
Date Collected: 02/14/25 10:00
Matrix: Water
Date Received: 02/14/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	415.1		1	50 mL	50 mL	700179	02/20/25 21:59	AC	EET PEN
Total/NA	Analysis	420.4		1	10 mL	10 mL	700241	02/21/25 13:26	CAC	EET PEN
Total/NA	Analysis	4500 SO3 B-2011		1	50 mL	50 mL	38116	02/24/25 18:00	AH	EET ATL
Total/NA	Analysis	SM 5540C		1	100 mL	100 mL	699523	02/16/25 09:42	CJK	EET PEN

Client Sample ID: 01
Lab Sample ID: 400-270993-1 MSD
Date Collected: 02/14/25 10:00
Matrix: Water
Date Received: 02/14/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	415.1		1	50 mL	50 mL	700179	02/20/25 22:13	AC	EET PEN
Total/NA	Analysis	420.4		1	10 mL	10 mL	700241	02/21/25 13:26	CAC	EET PEN
Total/NA	Analysis	4500 SO3 B-2011		1	50 mL	50 mL	38116	02/24/25 18:00	AH	EET ATL
Total/NA	Analysis	SM 5540C		1	100 mL	100 mL	699523	02/16/25 09:42	CJK	EET PEN

Client Sample ID: 01
Lab Sample ID: 400-270993-1 DU
Date Collected: 02/14/25 10:00
Matrix: Water
Date Received: 02/14/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2120B		1			699497	02/15/25 13:12	KWS	EET PEN
Total/NA	Analysis	SM 4500 Cl G		1	10 mL	10 mL	700927	02/28/25 12:57	CAC	EET PEN
Total/NA	Analysis	SM 9222D		1	10 mL	100 mL	699507	02/15/25 17:51	TDM	EET PEN
							Completed:	02/15/25 15:53 [1]		

Lab Chronicle

Client: Alabama State Docks
Job ID: 400-270993-1
Project/Site: McDuffie Coal Terminal 2C

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Method Summary

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET PEN
200.7 Rev 4.4	Metals (ICP)	EPA	EET SAV
245.1-1994 R3.0	Mercury (CVAA)	EPA	EET SAV
150.1	pH (Electrometric)	EPA	EET PEN
160.2	Solids, Total Suspended (TSS)	EPA	EET PEN
1664B	HEM and SGT-HEM	1664B	EET PEN
335.2	Cyanide, Total	EPA	EET PEN
350.1	Nitrogen, Ammonia	EPA	EET PEN
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET PEN
365.4	Phosphorus, Total	EPA	EET PEN
375.4	Sulfate	EPA	EET PEN
376.2	Sulfide	EPA	EET PEN
405.1	BOD, 5-Day	EPA	EET PEN
410.4	COD	EPA	EET PEN
415.1	TOC	EPA	EET PEN
420.4	Phenolics, Total Recoverable	EPA	EET PEN
4500 SO3 B-2011	Sulfite	SM	EET ATL
Nitrogen,Org	Nitrogen, Organic	EPA	EET PEN
SM 2120B	Color, Colorimetric	SM	EET PEN
SM 4500 Cl G	Chlorine, Residual	SM	EET PEN
SM 5540C	Methylene Blue Active Substances (MBAS)	SM	EET PEN
SM 9222D	Coliforms, Fecal (Membrane Filter)	SM	EET PEN
1664B	HEM and SGT-HEM (Aqueous)	1664B	EET PEN
200.7-1994 R4.4	Preparation, Total Recoverable Metals	EPA	EET SAV
245.1	Preparation, Mercury	EPA	EET SAV
365.2/365.3/365	Phosphorus, Total	EPA	EET PEN
Distill/CN	Distillation, Cyanide	None	EET PEN

Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-1

Laboratory: Eurofins Pensacola

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
150.1		Water	pH
150.1		Water	Temperature
160.2		Water	Total Suspended Solids
1664B	1664B	Water	Oil & Grease
300.0		Water	Bromide
300.0		Water	Fluoride
335.2	Distill/CN	Water	Cyanide, Total
350.1		Water	Ammonia
353.2		Water	Nitrate Nitrite as N
365.4	365.2/365.3/365	Water	Phosphorus, Total
375.4		Water	Sulfate
376.2		Water	Sulfide
405.1		Water	Biochemical Oxygen Demand
410.4		Water	Chemical Oxygen Demand
415.1		Water	Total Organic Carbon
420.4		Water	Phenols, Total
Nitrogen,Org		Water	Nitrogen, Organic
SM 2120B		Water	Color
SM 2120B		Water	pH at time of analysis
SM 4500 Cl G		Water	Chlorine, free
SM 4500 Cl G		Water	Chlorine, Total Residual
SM 5540C		Water	Methylene Blue Active Substances
SM 9222D		Water	Coliform, Fecal

ANAB	ISO/IEC 17025	L2471	02-22-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
150.1		Water	pH
150.1		Water	Temperature
160.2		Water	Total Suspended Solids
1664B	1664B	Water	Oil & Grease
335.2	Distill/CN	Water	Cyanide, Total
350.1		Water	Ammonia
365.4	365.2/365.3/365	Water	Phosphorus, Total
375.4		Water	Sulfate
376.2		Water	Sulfide
405.1		Water	Biochemical Oxygen Demand
410.4		Water	Chemical Oxygen Demand
415.1		Water	Total Organic Carbon
420.4		Water	Phenols, Total
Nitrogen,Org		Water	Nitrogen, Organic
SM 2120B		Water	Color
SM 2120B		Water	pH at time of analysis
SM 4500 Cl G		Water	Chlorine, free
SM 4500 Cl G		Water	Chlorine, Total Residual

Accreditation/Certification Summary

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-1

Laboratory: Eurofins Pensacola (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 5540C		Water	Methylene Blue Active Substances
SM 9222D		Water	Coliform, Fecal

Laboratory: Eurofins Atlanta

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
AIHA LAP, LLC	Environmental Lead Laboratory Accreditation Program (ELLAP)	LAP-100671	11-01-25
AIHA LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	LAP-100671	11-01-25
Florida	NELAP	E87582	06-30-25
Georgia	State	E87582	06-30-25
Georgia (DW)	State	800	04-25-26
Kentucky (UST)	State	123046	06-30-25
North Carolina (WW/SW)	State	562	12-31-25
South Carolina	State	98016	06-30-25
USDA	US Federal Programs	525-23-143-96227A1	05-23-26

Laboratory: Eurofins Savannah

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Alabama	State	41450	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4	200.7-1994 R4.4	Water	Aluminum
200.7 Rev 4.4	200.7-1994 R4.4	Water	Antimony
200.7 Rev 4.4	200.7-1994 R4.4	Water	Arsenic
200.7 Rev 4.4	200.7-1994 R4.4	Water	Barium
200.7 Rev 4.4	200.7-1994 R4.4	Water	Boron
200.7 Rev 4.4	200.7-1994 R4.4	Water	Cobalt
200.7 Rev 4.4	200.7-1994 R4.4	Water	Iron
200.7 Rev 4.4	200.7-1994 R4.4	Water	Lead
200.7 Rev 4.4	200.7-1994 R4.4	Water	Magnesium
200.7 Rev 4.4	200.7-1994 R4.4	Water	Manganese
200.7 Rev 4.4	200.7-1994 R4.4	Water	Molybdenum
200.7 Rev 4.4	200.7-1994 R4.4	Water	Selenium
200.7 Rev 4.4	200.7-1994 R4.4	Water	Silver
200.7 Rev 4.4	200.7-1994 R4.4	Water	Thallium
200.7 Rev 4.4	200.7-1994 R4.4	Water	Tin
200.7 Rev 4.4	200.7-1994 R4.4	Water	Titanium
200.7 Rev 4.4	200.7-1994 R4.4	Water	Zinc

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Enfinger, Isabel D 400-270993 COC	Carrier Tracking No(s):	COC No: 400-138044-45554.1
Client Contact: Ray Siddiqui	Phone:	E-Mail: isabel.enfinger@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Alabama State Docks	PWSID:	Analysis Requested		Job #:
Address: PO BOX 1588	Due Date Requested:			Preservation Codes: D - HNO3 N - None S - H2SO4
City: Mobile	TAT Requested (days):			
State, Zip: AL, 36633	Compliance Project: Δ Yes Δ No			
Phone: 251-441-7502	PO #: Purchase Order Requested			
Email: Rehman.Siddiqui@alports.com	WO #:			Other:
Project Name: ASD - McDuffie Coal Terminal 2C	Project #: 40017987			
Site:	SSOW#:			

EUROFINS MOBILE 700

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	903.0 - Radium-226	904.0 - Radium-228	900.0 - Alpha & Beta	Ra226Ra228_GFPC - Combined Radium-226 and Radium-228	350.1, 351.2, 365.4, 410.4, Nitrogen,Org	353.2_Pres - Nitrogen, Nitrate-Nitrite	1664B - Oil & Grease	2120B, 375.4	300_ORGFM_28D - Bromide & Fluoride	FieldSampling - Field Sampling	420.4 - Phenolics, Total	415.1 - TOC	405.1 - BOD	Special Instructions/Note:
01	2-14-25	1000AM	G	Water														

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: Ray Siddiqui	2-14-25 / 11:08 AM	AQA	Received by:	2-14-25 1300	
Relinquished by:	2-14-25 1530		Received by:		
Relinquished by:			Received by:	2/14/25 1330	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.3°C WM

Ver: 10/10/2024

3/14/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Enfinger, Isabel D	Carrier Tracking No(s):	COC No: 400-138044-45554.2
Client Contact: Ray Siddiqui	Phone:	E-Mail: isabel.enfinger@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Alabama State Docks	PWSID:			Job #:
Address: PO BOX 1588	Due Date Requested:			
City: Mobile	TAT Requested (days):			
State, Zip: AL, 36633	Compliance Project: Δ Yes Δ No			
Phone: 251-441-7502	PO #: Purchase Order Requested			
Email: Rehman.Siddiqui@alports.com	WO #:			
Project Name: ASD - McDuffie Coal Terminal 2C	Project #: 40017987			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
CB - ZnAcetate/NaOH
B - NaOH
R - NaThioSO4
D - HNO3

Other:

EUROFINS MOBILE 700

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	160.2 - TSS	5540C - Methylene Blue Active Substances (MBAS)	376.2 - Sulfide	335.2 - Cyanide, Total	9222D - Coliforms, Fecal	200.7_CWA, 245.1	SM4500SO3_B - Sulfite	Special Instructions/Note:
01	2-14-25	10:00 AM	G	Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ray Siddiqui	2-14-25/11:08 AM	ASPA		2-14-25 1300	
2		2-14-25				
3					2/14/25 1530	

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.3°C RAD

Ver: 10/10/2024

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Enfinger, Isabel D	Carrier Tracking No(s): N/A	COC No: 400-369555.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: isabel.enfinger@et.eurofinsus.com	State of Origin: Alabama	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): ISO/IEC 17025 - ANAB; State - Alabama		Job #: 400-270993-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 2/25/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: McDuffie Coal Terminal 2C	Project #: 40017987			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	900.0/Evaporation Alpha & Beta	903.0/PrecSep_21 Standard Target List	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	904.0/PrecSep_0 Standard Target List	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
01 (400-270993-1)	2/14/25	10:00 Central	G	Water			X	X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	2/17/25 1700	GGS	M. Pinette	FEB 18 2025 1105	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

3/14/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Enfinger, Isabel D	Carrier Tracking No(s): N/A	COC No: 400-369557.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: isabel.enfinger@et.eurofinsus.com	State of Origin: Alabama	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): ISO/IEC 17025 - ANAB; State - Alabama		Job #: 400-270993-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 2/24/2025			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: McDuffie Coal Terminal 2C	Project #: 40017987			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7_CWA/200.7_P_TR (MOD) Metals	245.1/245.1_Prep Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
01 (400-270993-1)	2/14/25	10:00 Central	G	Water			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 2/17/25 1700	Company EET	Received by:	Date/Time: 2/18/25 1008	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 12.5/12.5

3/14/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone 850-474-1001 Fax 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Enfinger, Isabel D	Carrier Tracking No(s): N/A	COC No: 400-369550 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: isabel.enfinger@et.eurofinsus.com	State of Origin: Alabama	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): ISO/IEC 17025 - ANAB, State - Alabama		Job #: 400-270993-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 2/24/2025			Preservation Codes:
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: McDuffie Coal Terminal 2C	Project #: 40017987			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SM4500SO3_B/ Sulfite	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
001 (400-270993-1)	2/14/25	10:00 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	2/17/25 1700	6610	[signature]	2/18/25 9:33	8
2						
3						

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 1.8 #2668

Page 43 of 46

3/14/2025

Login Sample Receipt Checklist

Client: Alabama State Docks

Job Number: 400-270993-1

Login Number: 270993

List Source: Eurofins Pensacola

List Number: 1

Creator: Pardonner, Brett

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.3°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Alabama State Docks

Job Number: 400-270993-1

Login Number: 270993
List Number: 2
Creator: Maguire, Parris

List Source: Eurofins Atlanta
List Creation: 02/18/25 10:55 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Alabama State Docks

Job Number: 400-270993-1

Login Number: 270993
List Number: 3
Creator: Lincoln, Alyssa

List Source: Eurofins Savannah
List Creation: 02/18/25 01:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Doug Otto
Alabama State Docks
PO BOX 1588
Mobile, Alabama 36633

Generated 3/17/2025 2:48:42 PM

JOB DESCRIPTION

McDuffie Coal Terminal 2C

JOB NUMBER

400-270993-2

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
3/17/2025 2:48:42 PM

Authorized for release by
Taylor Bruzzio, Project Manager I
Taylor.Bruzzio@et.eurofinsus.com
Designee for
Isabel Enfinger, Project Manager I
isabel.enfinger@et.eurofinsus.com
(850)471-6237

Table of Contents

Job ID: 400-270993-2 — Eurofins Pensacola

Job Narrative
400-270993-2

Receipt
The sample was received on 2/14/2025 3:30 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.3º C.

RAD
Method 900.0: The detection goal was not met for the following sample due to a reduction of the sample size attributed to high residual mass: 01 (400-270993-1). Analytical results are reported with the detection limit achieved.

Method Evaporation: The following samples had a final mass above the 100 mg limit: 01 (400-270993-1). The according dilution is noted in the notes section of the prep worksheet and is reflected in the initial amount field.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-2

Client Sample ID: 01 **Lab Sample ID: 400-270993-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-270993-1	01	Water	02/14/25 10:00	02/14/25 15:30

Client Sample Results

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-2

Client Sample ID: 01

Date Collected: 02/14/25 10:00
Date Received: 02/14/25 15:30

Lab Sample ID: 400-270993-1

Matrix: Water

Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.604	U G	1.79	1.80	3.00	3.89	pCi/L	02/19/25 08:03	03/06/25 20:05	1
Gross Beta	**2.56**		1.16	1.19	4.00	1.64	pCi/L	02/19/25 08:03	03/06/25 20:05	1

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.177	U	0.172	0.172	1.00	0.265	pCi/L	02/20/25 07:22	03/14/25 09:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.1*		*30 - 110*	*02/20/25 07:22*	*03/14/25 09:30*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.931**		0.491	0.496	5.00	0.657	pCi/L		03/17/25 14:19	1

Definitions/Glossary

Client: Alabama State Docks
Job ID: 400-270993-2
Project/Site: McDuffie Coal Terminal 2C

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-2

Rad

Prep Batch: 703799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	Evaporation	
MB 160-703799/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-703799/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-703799/3-A	Lab Control Sample	Total/NA	Water	Evaporation	

Prep Batch: 703881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-270993-1	01	Total/NA	Water	PrecSep-21	
MB 160-703881/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-703881/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-703799/1-A
Matrix: Water
Analysis Batch: 706383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703799

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.02966	U	0.495	0.495	3.00	0.953	pCi/L	02/19/25 08:03	03/06/25 19:51	1
Gross Beta	-0.02563	U	0.438	0.438	4.00	0.800	pCi/L	02/19/25 08:03	03/06/25 19:51	1

Lab Sample ID: LCS 160-703799/2-A
Matrix: Water
Analysis Batch: 706383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703799

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Gross Alpha			49.5	55.09		7.90	3.00	1.80	pCi/L	111	75 - 125		

Lab Sample ID: LCSB 160-703799/3-A
Matrix: Water
Analysis Batch: 706383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703799

Analyte			Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Gross Beta			70.1	69.81		7.51	4.00	0.848	pCi/L	100	75 - 125		

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-703881/1-A
Matrix: Water
Analysis Batch: 707813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703881

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1250	U	0.143	0.143	1.00	0.230	pCi/L	02/20/25 07:22	03/14/25 09:31	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*02/20/25 07:22*	*03/14/25 09:31*	*1*

Lab Sample ID: LCS 160-703881/2-A
Matrix: Water
Analysis Batch: 707813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703881

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.692		1.02	1.00	0.251	pCi/L	80	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*84.8*		*30 - 110*

Lab Chronicle

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-2

Client Sample ID: 01

Lab Sample ID: 400-270993-1

Date Collected: 02/14/25 10:00

Matrix: Water

Date Received: 02/14/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			100.01 mL	1.0 g	703799	02/19/25 08:03	MEH	EET SL
Total/NA	Analysis	900.0		1	1.0 mL	1.0 mL	706428	03/06/25 20:05	SWS	EET SL
Total/NA	Prep	PrecSep-21			1000.09 mL	1.0 g	703881	02/20/25 07:22	OGC	EET SL
Total/NA	Analysis	903.0		1			707813	03/14/25 09:30	SWS	EET SL
Total/NA	Analysis	Ra226_Ra228		1			708159	03/17/25 14:19	SCB	EET SL

Client Sample ID: Method Blank

Lab Sample ID: MB 160-703799/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			200 mL	1.0 g	703799	02/19/25 08:03	MEH	EET SL
Total/NA	Analysis	900.0		1	1.0 mL	1.0 mL	706383	03/06/25 19:51	SWS	EET SL

Client Sample ID: Method Blank

Lab Sample ID: MB 160-703881/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000 mL	1.0 g	703881	02/20/25 07:22	OGC	EET SL
Total/NA	Analysis	903.0		1			707813	03/14/25 09:31	SWS	EET SL

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 160-703799/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			200 mL	1.0 g	703799	02/19/25 08:03	MEH	EET SL
Total/NA	Analysis	900.0		1	1.0 mL	1.0 mL	706383	03/06/25 19:51	SWS	EET SL

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 160-703881/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000 mL	1.0 g	703881	02/20/25 07:22	OGC	EET SL
Total/NA	Analysis	903.0		1			707813	03/14/25 09:31	SWS	EET SL

Client Sample ID: Lab Control Sample

Lab Sample ID: LCSB 160-703799/3-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Evaporation			200 mL	1.0 g	703799	02/19/25 08:03	MEH	EET SL
Total/NA	Analysis	900.0		1	1.0 mL	1.0 mL	706383	03/06/25 19:52	SWS	EET SL

Lab Chronicle

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-2

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Method Summary

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-2

Method	Method Description	Protocol	Laboratory
900.0	Gross Alpha and Gross Beta Radioactivity	EPA	EET SL
903.0	Radium-226 (GFPC)	EPA	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
Evaporation	Preparation, Evaporation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Alabama State Docks
Project/Site: McDuffie Coal Terminal 2C

Job ID: 400-270993-2

Laboratory: Eurofins St. Louis

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-08-25
Arizona	State	AZ0813	12-08-25
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-25
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-25
HI - RadChem Recognition	State	n/a	06-30-25
Illinois	NELAP	200023	11-30-25
Iowa	State	373	12-01-26
Kansas	NELAP	E-10236	10-31-25
Kentucky (DW)	State	KY90125	12-31-25
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-25
Louisiana (All)	NELAP	106151	06-30-25
Louisiana (DW)	State	LA011	12-31-25
Maryland	State	310	09-30-25
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-25
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-25
New Jersey	NELAP	MO002	06-30-25
New Mexico	State	MO00054	06-30-25
New York	NELAP	11616	03-31-25
North Carolina (DW)	State	29700	07-31-25
North Dakota	State	R-207	06-30-25
Oklahoma	NELAP	9997	08-31-25
Oregon	NELAP	4157	09-01-25
Pennsylvania	NELAP	68-00540	02-28-26
South Carolina	State	85002	06-30-25
Texas	NELAP	T104704193	07-31-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-138-94730	05-18-26
Utah	NELAP	MO00054	07-31-25
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-25
West Virginia DEP	State	381	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

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Client Information	Sampler:	Lab PM: Enfinger, Isabel D	400-270993 COC	Carrier Tracking No(s):	COC No: 400-138044-45554.1
Client Contact: Ray Siddiqui	Phone:	E-Mail: isabel.enfinger@et.eurofinsus.com		State of Origin:	Page: Page 1 of 2
Company: Alabama State Docks	PWSID:				Job #:
Address: PO BOX 1588	Due Date Requested:				
City: Mobile	TAT Requested (days):				
State, Zip: AL, 36633	Compliance Project: Δ Yes Δ No				
Phone: 251-441-7502	PO #: Purchase Order Requested				
Email: Rehman.Siddiqui@alports.com	WO #:				
Project Name: ASD - McDuffie Coal Terminal 2C	Project #: 40017987				
Site:	SSOW#:				

Analysis Requested

Preservation Codes:
D - HNO3
N - None
S - H2SO4

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	903.0 - Radium-226	904.0 - Radium-228	900.0 - Alpha & Beta	Ra226Ra228_GFPC - Combined Radium-226 and Radium-228	350.1, 351.2, 365.4, 410.4, Nitrogen,Org	353.2_Pres - Nitrogen, Nitrate-Nitrite	1664B - Oil & Grease	2120B, 375.4	300_ORGFM_28D - Bromide & Fluoride	FieldSampling - Field Sampling	420.4 - Phenolics, Total	415.1 - TOC	405.1 - BOD	Special Instructions/Note:
EUROFINS MOBILE 700																		
01	2-14-25	1000AM	G	Water														

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ray Siddiqui	2-14-25 / 11:08 AM	AQA		2-14-25 1300	
2		2-14-25 1530				
3					2/14/25 1330	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.3°C MM

Ver: 10/10/2024

3/17/2025

Eurofins Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Enfinger, Isabel D	Carrier Tracking No(s):	COC No: 400-138044-45554.2
Client Contact: Ray Siddiqui	Phone:	E-Mail: isabel.enfinger@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Alabama State Docks	PWSID:			Job #:
Address: PO BOX 1588	Due Date Requested:			
City: Mobile	TAT Requested (days):			
State, Zip: AL, 36633	Compliance Project: Δ Yes Δ No			
Phone: 251-441-7502	PO #: Purchase Order Requested			
Email: Rehman.Siddiqui@alports.com	WO #:			
Project Name: ASD - McDuffie Coal Terminal 2C	Project #: 40017987			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
CB - ZnAcetate/NaOH
B - NaOH
R - NaThioSO4
D - HNO3

Other:

EUROFINS MOBILE 700

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	160.2 - TSS	5540C - Methylene Blue Active Substances (MBAS)	376.2 - Sulfide	335.2 - Cyanide, Total	9222D - Coliforms, Fecal	200.7_CWA, 245.1	SM4500SO3_B - Sulfite	Special Instructions/Note:
01	2-14-25	10:00 AM	G	Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ray Siddiqui	2-14-25/11:08 AM	ASPA		2-14-25 1300	
2		2-14-25				
3					2/14/25 1530	

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.3°C RAD

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Alabama State Docks

Job Number: 400-270993-2

Login Number: 270993

List Source: Eurofins Pensacola

List Number: 1

Creator: Pardonner, Brett

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.3°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Alabama State Docks

Job Number: 400-270993-2

Login Number: 270993
List Number: 4
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 02/18/25 12:55 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Please print or type in the unshaded areas only.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

FORM 2C NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS

Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (*list*)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (*name*)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	30	39	04	-88	02	06	Mobile Bay

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (*e.g., for certain mining activities*), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (*list*)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (*list*)	b. AVERAGE FLOW (*include units*)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Mineral storing, loading, transport	71070 GPD	Sedimentation	1-U	
			Filteration through vegetative buffer	1-T	
			Neutralization	2-K	
			Evaporation	1-F	
			Discharge to Surface Water	4-A	

OFFICIAL USE ONLY (*effluent guidelines sub-categories*)

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ YES (*complete the following table*) ☑ NO (*go to Section III*)

1. OUTFALL NUMBER (*list*)	2. OPERATION(s) CONTRIBUTING FLOW (*list*)	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK (*specify average*)	b. MONTHS PER YEAR (*specify average*)	a. FLOW RATE (*in mgd*)		B. TOTAL VOLUME (*specify with units*)		C. DURATION (*in days*)
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ YES (*complete Item III-B*) ☑ NO (*go to Section IV*)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (*or other measure of operation*)?

☐ YES (*complete Item III-C*) ☑ NO (*go to Section IV*)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (*list outfall numbers*)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (*specify*)	
N/A	N/A	N/A	N/A

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operations of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☐ YES (*complete the following table*) ☑ NO (*go to Item IV-B*)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
N/A	N/A	N/A	N/A	N/A	N/A

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (*or other environmental projects which may affect your discharges*) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)

CONTINUED FROM PAGE 2

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
N/A	N/A	N/A	N/A

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ YES (*list all such pollutants below*) ☑ NO (*go to Item VI-B*)

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ YES (*identify the test(s) and describe their purposes below*) ☑ NO (*go to Section VIII*)

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☑ YES (*list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below*) ☐ NO (*go to Section IX*)

A. NAME	B. ADDRESS	C. TELEPHONE (*area code & no.*)	D. POLLUTANTS ANALYZED (*list*)
EnviroChem, Inc/Pace Analytical	4320 Midmost Drive Mobile, AL 36609	251-344-9106	Fecal Coliform, Sulfites, Surfactants, TRC)
TestAmerica Laboratories, Inc./Eurofins	3355 McLemore Drive Pensacola, FL 32514	850-857-0606	Volatiles, Semi-Volatiles, Metals, Cyanide, Total Phenols, BOD, COD, TOC, TSS, Ammonia, Temperature, Radioactivity, Pesticides
Cape Fear Analytical, LLC	3306 Kitty Hawk Road Suite 120 Wilmington, NC 28405	910-795-0421	Dioxins

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE (*type or print*)	B. PHONE NO. (*area code & no.*)
Gretchen Barrera, Environmental Director	(251) 441-7086
C. SIGNATURE	**D. DATE SIGNED**
Gretchen Barrera	03/24/2023

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (*use the same format*) instead of completing these pages.
SEE INSTRUCTIONS.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO. 001E

PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (*if available*) (2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (*if available*) (2) MASS	d. NO. OF ANALYSES	3. UNITS (*specify if blank*) a. CONCENTRATION	3. UNITS b. MASS	4. INTAKE (*optional*) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (*BOD*)	<6.0	0.40					1	mg/l	lbs/d			
b. Chemical Oxygen Demand (*COD*)	<6.4	0.43					1	mg/l	lbs/d			
c. Total Organic Carbon (*TOC*)	2.5	0.17					1	mg/l	lbs/d			
d. Total Suspended Solids (*TSS*)	11	0.73					1	mg/l	lbs/d			
e. Ammonia (*as N*)	0.34	0.02					1	mg/l	lbs/d			
f. Flow	VALUE 0.008		VALUE		VALUE		1	mgd		VALUE		
g. Temperature (*winter*)	VALUE 17.8		VALUE		VALUE		1	°C		VALUE		
h. Temperature (*summer*)	VALUE		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 7.6	MAXIMUM 7.6	MINIMUM	MAXIMUM			1	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (*if available*)	2. MARK "X" a. BELIEVED PRESENT	2. MARK "X" b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (*if available*) (2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (*if available*) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (*optional*) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE b. NO. OF ANALYSES
a. Bromide (24959-67-9)	X		1.4	0.09					1	mg/l	lbs/d			
b. Chlorine, Total Residual	X		0.3	0.02					1	mg/l	lbs/d			
c. Color	X		35						1	mg/l				
d. Fecal Coliform		X	1080	330,000,000					1	CFU/100	CFU/d			
e. Fluoride (16984-48-8)	X		0.58	0.04					1	mg/l	lbs/d			
f. Nitrate-Nitrite (*as N*)	X		0.299	0.02					1	mg/l	lbs/d			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (*if available*)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (*as N*)	X		0.639	0.043					1	mg/l	lbs/d			
h. Oil and Grease		X	<1.2	<0.08					1	mg/l	lbs/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.2	0.01					1	mg/l	lbs/d			
j. Radioactivity														
(1) Alpha, Total		X	1.0 +/- 2.3	3xE-09					1	pCi/l	lbs/d			
(2) Beta, Total		X	6.9 +/- 1.4	5xE-12					1	pCi/l	lbs/d			
(3) Radium, Total		X	0.6 +/- 0.2	4xE-11					1	pCi/l	lbs/d			
(4) Radium 226, Total		X	0.0 +/- 0.7	4xE-11					1	pCi/l	lbs/d			
k. Sulfate (*as SO_4*) (14808-79-8)	X		150	10					1	mg/l	lbs/d			
l. Sulfide (*as S*)		X	<0.036	<0.002					1	mg/l	lbs/d			
m. Sulfite (*as SO_3*) (14265-45-3)		X	<1.0	<0.007					1	mg/l	lbs/d			
n. Surfactants		X	<0.2	<0.01					1	mg/l	lbs/d			
o. Aluminum, Total (7429-90-5)	X		0.19	0.01					1	mg/l	lbs/d			
p. Barium, Total (7440-39-3)	X		0.088	0.006					1	mg/l	lbs/d			
q. Boron, Total (7440-42-8)	X		0.15	0.01					1	mg/l	lbs/d			
r. Cobalt, Total (7440-48-4)		X	<0.0030	<0.0002					1	mg/l	lbs/d			
s. Iron, Total (7439-89-6)	X		0.26	0.02					1	mg/l	lbs/d			
t. Magnesium, Total (7439-95-4)	X		30	2					1	mg/l	lbs/d			
u. Molybdenum, Total (7439-98-7)	X		0.0043	0.0003					1	mg/l	lbs/d			
v. Manganese, Total (7439-96-5)	X		0.11	0.007					1	mg/l	lbs/d			
w. Tin, Total (7440-31-5)		X	<0.0050	<0.0003					1	mg/l	lbs/d			
x. Titanium, Total (7440-32-6)	X		0.0019	0.0001					1	mg/l	lbs/d			

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)	OUTFALL NUMBER
	001E

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (*if available*) (2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (*if available*) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	<0.010	<0.0007					1	mg/l	lbs/d			
2M. Arsenic, Total (7440-38-2)			X	<0.0040	<0.0003					1	mg/l	lbs/d			
3M. Beryllium, Total (7440-41-7)			X	<0.0010	<0.00006					1	mg/l	lbs/d			
4M. Cadmium, Total (7440-43-9)			X	<0.0010	<0.00007					1	mg/l	lbs/d			
5M. Chromium, Total (7440-47-3)			X	<0.0020	<0.0001					1	mg/l	lbs/d			
6M. Copper, Total (7440-50-8)			X	<0.0020	<0.0001					1	mg/l	lbs/d			
7M. Lead, Total (7439-92-1)			X	<0.0020	<0.0001					1	mg/l	lbs/d			
8M. Mercury, Total (7439-97-6)	X			0.000086	0.000006					1	mg/l	lbs/d			
9M. Nickel, Total (7440-02-0)	X			0.0044	0.0003					1	mg/l	lbs/d			
10M. Selenium, Total (7782-49-2)	X			0.0053	0.0004					1	mg/l	lbs/d			
11M. Silver, Total (7440-22-4)			X	<0.0020	<0.0001					1	mg/l	lbs/d			
12M. Thallium, Total (7440-28-0)			X	<0.0040	<0.0003					1	mg/l	lbs/d			
13M. Zinc, Total (7440-66-6)			X	0.019	0.001					1	mg/l	lbs/d			
14M. Cyanide, Total (57-12-5)			X	<0.0050	<0.0003					1	mg/l	lbs/d			
15M. Phenols, Total			X	<0.0050	<0.0003					1	mg/l	lbs/d			
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS: 2,3,7,8-TCDD detected at less than the practical quantification limit of 9.47 pg/L or 0.00000000947 mg/L which is substantially less than the EPA MCL of 30 pg/L.											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)			X	<0.020	<0.001					1	mg/l	lbs/d			
2V. Acrylonitrile (107-13-1)			X	<0.0028	<0.0002					1	mg/l	lbs/d			
3V. Benzene (71-43-2)			X	<0.00034	<0.00002					1	mg/l	lbs/d			
4V. Bis (*Chloro-methyl*) Ether (542-88-1)			X	<0.00050	<0.0003					1	mg/l	lbs/d			
5V. Bromoform (75-25-2)			X	<0.00071	<0.00005					1	mg/l	lbs/d			
6V. Carbon Tetrachloride (56-23-5)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
7V. Chlorobenzene (108-90-7)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
8V. Chlorodi-bromomethane (124-48-1)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
9V. Chloroethane (75-00-3)			X	<0.00076	<0.00005					1	mg/l	lbs/d			
10V. 2-Chloro-ethylvinyl Ether (110-75-8)			X	<0.020	<0.0001					1	mg/l	lbs/d			
11V. Chloroform (67-66-3)			X	<0.00060	<0.00004					1	mg/l	lbs/d			
12V. Dichloro-bromomethane (75-27-4)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
13V. Dichloro-difluoromethane (75-71-8)			X	<0.00085	<0.00006					1	mg/l	lbs/d			
14V. 1,1-Dichloro-ethane (75-34-3)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
15V. 1,2-Dichloro-ethane (107-06-2)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
16V. 1,1-Dichloro-ethylene (75-35-4)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
17V. 1,2-Dichloro-propane (78-87-5)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
18V. 1,3-Dichloro-propylene (542-75-6)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
19V. Ethylbenzene (100-41-4)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
20V. Methyl Bromide (74-83-9)			X	<0.00098	<0.00007					1	mg/l	lbs/d			
21V. Methyl Chloride (74-87-3)			X	<0.00083	<0.00006					1	mg/l	lbs/d			

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS (*continued*)															
22V. Methylene Chloride (75-09-2)			X	<0.0025	<0.0002					1	mg/l	lbs/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
24V. Tetrachloro-ethylene (127-18-4)			X	<0.00058	<0.00004					1	mg/l	lbs/d			
25V. Toluene (108-88-3)			X	<0.00070	<0.00005					1	mg/l	lbs/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
27V. 1,1,1-Trichloro-ethane (71-55-6)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
28V. 1,1,2-Trichloro-ethane (79-00-5)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
29V Trichloro-ethylene (79-01-6)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
30V. Trichloro-fluoromethane (75-69-4)			X	<0.00052	<0.00003					1	mg/l	lbs/d			
31V. Vinyl Chloride (75-01-4)			X	<0.00050	<0.00003					1	mg/l	lbs/d			
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	<0.0021	<0.0001					1	mg/l	lbs/d			
2A. 2,4-Dichloro-phenol (120-83-2)			X	<0.0029	<0.0002					1	mg/l	lbs/d			
3A. 2,4-Dimethyl-phenol (105-67-9)			X	<0.0033	<0.0002					1	mg/l	lbs/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	<0.0015	<0.0001					1	mg/l	lbs/d			
5A. 2,4-Dinitro-phenol (51-28-5)			X	<0.0032	<0.0002					1	mg/l	lbs/d			
6A. 2-Nitrophenol (88-75-5)			X	<0.0050	<0.0003					1	mg/l	lbs/d			
7A. 4-Nitrophenol (100-02-7)			X	<0.0020	<0.0001					1	mg/l	lbs/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	<0.0036	<0.0002					1	mg/l	lbs/d			
9A. Pentachloro-phenol (87-86-5)			X	<0.0013	<0.00009					1	mg/l	lbs/d			
10A. Phenol (108-95-2)			X	<0.0025	<0.0002					1	mg/l	lbs/d			
11A. 2,4,6-Trichloro-phenol (88-05-2)			X	<0.0033	<0.0002					1	mg/l	lbs/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	<0.00015	<0.00001					1	mg/l	lbs/d			
2B. Acenaphtylene (208-96-8)			X	<0.00016	<0.00001					1	mg/l	lbs/d			
3B. Anthracene (120-12-7)			X	<0.00017	<0.00001					1	mg/l	lbs/d			
4B. Benzidine (92-87-5)			X	<0.019	<0.001					1	mg/l	lbs/d			
5B. Benzo (*a*) Anthracene (56-55-3)			X	<0.00017	<0.00001					1	mg/l	lbs/d			
6B. Benzo (*a*) Pyrene (50-32-8)			X	<0.00011	<0.000007					1	mg/l	lbs/d			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	<0.00014	<0.000009					1	mg/l	lbs/d			
8B. Benzo (*ghi*) Perylene (191-24-2)			X	<0.00022	<0.00001					1	mg/l	lbs/d			
9B. Benzo (*k*) Fluoranthene (207-08-9)			X	<0.00015	<0.00001					1	mg/l	lbs/d			
10B. Bis (*2-Chloro-ethoxy*) Methane (111-91-1)			X	<0.00015	<0.00001					1	mg/l	lbs/d			
11B. Bis (*2-Chloro-ethyl*) Ether (111-44-4)			X	<0.0026	<0.0002					1	mg/l	lbs/d			
12B. Bis (*2-Chloroisopropyl*) Ether (102-80-1)			X	<150	<10					1	mg/l	lbs/d			
13B. Bis (*2-Ethyl-hexyl*) Phthalate (117-81-7)			X	<0.0019	<0.0001					1	mg/l	lbs/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	<0.00019	<0.00001					1	mg/l	lbs/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	<0.00018	<0.0001					1	mg/l	lbs/d			
16B. 2-Chloro-naphthalene (91-58-7)			X	<0.00013	<0.000009					1	mg/l	lbs/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	<0.0019	<0.0001					1	mg/l	lbs/d			
18B. Chrysene (218-01-9)			X	<0.00018	<0.00001					1	mg/l	lbs/d			
19B. Dibenzo (*a,h*) Anthracene (53-70-3)			X	<0.00023	<0.00002					1	mg/l	lbs/d			
20B. 1,2-Dichloro-benzene (95-50-1)			X	<0.00016	<0.00001					1	mg/l	lbs/d			
21B. 1,3-Di-chloro-benzene (541-73-1)			X	<0.00017	<0.00001					1	mg/l	lbs/d			

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (*continued*)															
22B. 1,4-Dichloro-benzene (106-46-7)			X	<0.00015	<0.00001					1	mg/l	lbs/d			
23B. 3,3-Dichloro-benzidine (91-94-1)			X	<0.0025	<0.0002					1	mg/l	lbs/d			
24B. Diethyl Phthalate (84-66-2)			X	<0.00023	<0.00002					1	mg/l	lbs/d			
25B. Dimethyl Phthalate (131 -11-3)			X	<0.00016	<0.00001					1	mg/l	lbs/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	<0.0026	<0.0002					1	mg/l	lbs/d			
27B. 2,4-Dinitro-toluene (121-14-2)			X	<0.0018	<0.0001					1	mg/l	lbs/d			
28B. 2,6-Dinitro-toluene (606-20-2)			X	<0.0018	<0.0001					1	mg/l	lbs/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	<0.00016	<0.00001					1	mg/l	lbs/d			
30B. 1,2-Diphenyl-hydrazine (*as Azo-benzene*) (122-66-7)			X	<0.0026	<0.0002					1	mg/l	lbs/d			
31B. Fluoranthene (206-44-0)			X	<0.00017	<0.00001					1	mg/l	lbs/d			
32B. Fluorene (86-73-7)			X	<0.00017	<0.00001					1	mg/l	lbs/d			
33B. Hexachloro-benzene (118-74-1)			X	<0.00016	<0.00001					1	mg/l	lbs/d			
34B. Hexachloro-butadiene (87-68-3)			X	<0.0034	<0.0002					1	mg/l	lbs/d			
35B. Hexachloro-cyclopentadiene (77-47-4)			X	<0.0025	<0.0002					1	mg/l	lbs/d			
36B Hexachloro-ethane (67-72-1)			X	<0.0040	<0.0003					1	mg/l	lbs/d			
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)			X	<0.00021	<0.00001					1	mg/l	lbs/d			
38B. Isophorone (78-59-1)			X	<0.00013	<0.000009					1	mg/l	lbs/d			
39B. Naphthalene (91-20-3)			X	<0.00016	<0.00001					1	mg/l	lbs/d			
40B. Nitrobenzene (98-95-3)			X	<0.00012	<0.000008					1	mg/l	lbs/d			
41B. N-Nitro-sodimethylamine (62-75-9)			X	<0.0033	<0.0002					1	mg/l	lbs/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	<0.0031	<0.0002					1	mg/l	lbs/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (*if available*) (2) MASS	c. LONG TERM AVRG. VALUE (*if available*) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (*if available*) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (*continued*)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	<0.00017	<0.00001					1	mg/l	lbs/d			
44B. Phenanthrene (85-01-8)			X	<0.00017	<0.00001					1	mg/l	lbs/d			
45B. Pyrene (129-00-0)			X	<0.00020	<0.00001					1	mg/l	lbs/d			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	<0.00017	<0.00001					1	mg/l	lbs/d			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	<0.0029	<0.0000002					1	ug/l	lbs/d			
2P. α-BHC (319-84-6)			X	<0.0034	<0.0000002					1	ug/l	lbs/d			
3P. β-BHC (319-85-7)			X	<0.0029	<0.000002					1	ug/l	lbs/d			
4P. γ-BHC (58-89-9)			X	<0.024	<0.0000001					1	ug/l	lbs/d			
5P. δ-BHC (319-86-8)			X	<0.0020	<0.000008					1	ug/l	lbs/d			
6P. Chlordane (57-74-9)			X	<0.12	<0.0000002					1	ug/l	lbs/d			
7P. 4,4'-DDT (50-29-3)			X	<0.0037	<0.0000001					1	ug/l	lbs/d			
8P. 4,4'-DDE (72-55-9)			X	<0.0021	<0.0000002					1	ug/l	lbs/d			
9P. 4,4'-DDD (72-54-8)			X	<0.0029	<0.0000002					1	ug/l	lbs/d			
10P. Dieldrin (60-57-1)			X	<0.0029	<0.0000002					1	ug/l	lbs/d			
11P. α-Enosulfan (115-29-7)			X	<0.0029	<0.0000002					1	ug/l	lbs/d			
12P. β-Endosulfan (115-29-7)			X	<0.0070	<0.0000005					1	ug/l	lbs/d			
13P. Endosulfan Sulfate (1031-07-8)			X	<0.0020	<0.0000001					1	ug/l	lbs/d			
14P. Endrin (72-20-8)			X	<0.0029	<0.0000002					1	ug/l	lbs/d			
15P. Endrin Aldehyde (7421-93-4)			X	<0.0027	<0.0000002					1	ug/l	lbs/d			
16P. Heptachlor (76-44-8)			X	<0.0030	<0.0000002					1	ug/l	lbs/d			

CONTINUE ON PAGE V-9

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)	OUTFALL NUMBER
	001E

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES (*continued*)															
17P. Heptachlor Epoxide (1024-57-3)			X	<0.0030	<0.0000002					1	ug/l	lbs/d			
18P. PCB-1242 (53469-21-9)			X	<0.032	<0.000002					1	ug/l	lbs/d			
19P. PCB-1254 (11097-69-1)			X	<0.054	<0.000004					1	ug/l	lbs/d			
20P. PCB-1221 (11104-28-2)			X	<0.21	<0.00001					1	ug/l	lbs/d			
21P. PCB-1232 (11141-16-5)			X	<0.095	<0.0000006					1	ug/l	lbs/d			
22P. PCB-1248 (12672-29-6)			X	<0.019	<0.0000001					1	ug/l	lbs/d			
23P. PCB-1260 (11096-82-5)			X	<0.032	<0.000002					1	ug/l	lbs/d			
24P. PCB-1016 (12674-11-2)			X	<0.046	<0.000003					1	ug/l	lbs/d			
25P. Toxaphene (8001-35-2)			X	<0.29	<0.00002					1	ug/l	lbs/d			

CODES FOR TREATMENT UNITS

PHYSICAL TREATMENT PROCESSES

1–A	Ammonia Stripping
1–B	Dialysis
1–C	Diatomaceous Earth Filtration
1–D	Distillation
1–E	Electrodialysis
1–F	Evaporation
1–G	Flocculation
1–H	Flotation
1–I	Foam Fractionation
1–J	Freezing
1–K	Gas–Phase Separation
1–L	Grinding (*Comminutors*)
1–M	Grit Removal
1–N	Microstraining
1–O	Mixing
1–P	Moving Bed Filters
1–Q	Multimedia Filtration
1–R	Rapid Sand Filtration
1–S	Reverse Osmosis (*Hyperfiltration*)
1–T	Screening
1–U	Sedimentation (*Settling*)
1–V	Slow Sand Filtration
1–W	Solvent Extraction
1–X	Sorption

CHEMICAL TREATMENT PROCESSES

2–A	Carbon Adsorption
2–B	Chemical Oxidation
2–C	Chemical Precipitation
2–D	Coagulation
2–E	Dechlorination
2–F	Disinfection (*Chlorine*)
2–G	Disinfection (*Ozone*)
2–H	Disinfection (*Other*)
2–I	Electrochemical Treatment
2–J	Ion Exchange
2–K	Neutralization
2–L	Reduction

BIOLOGICAL TREATMENT PROCESSES

3–A	Activated Sludge
3–B	Aerated Lagoons
3–C	Anaerobic Treatment
3–D	Nitrification–Denitrification
3–E	Pre-Aeration
3–F	Spray Irrigation/Land Application
3–G	Stabilization Ponds
3–H	Trickling Filtration

OTHER PROCESSES

4–A	Discharge to Surface Water
4–B	Ocean Discharge Through Outfall
4–C	Reuse/Recycle of Treated Effluent
4-D	Underground Injection

SLUDGE TREATMENT AND DISPOSAL PROCESSES

5–A	Aerobic Digestion
5–B	Anaerobic Digestion
5–C	Belt Filtration
5–D	Centrifugation
5–E	Chemical Conditioning
5–F	Chlorine Treatment
5–G	Composting
5–H	Drying Beds
5–I	Elutriation
5–J	Flotation Thickening
5–K	Freezing
5–L	Gravity Thickening
5–M	Heat Drying
5–N	Heat Treatment
5–O	Incineration
5–P	Land Application
5–Q	Landfill
5–R	Pressure Filtration
5–S	Pyrolysis
5–T	Sludge Lagoons
5–U	Vacuum Filtration
5–V	Vibration
5–W	Wet Oxidation

General Instructions for Reporting, Sampling, and Analysis

Important note: Read these instructions before completing Tables A through E and Section 7 of Form 2C.

General Items

Complete the applicable tables for each outfall at your facility. Be sure to note the EPA Identification Number, NPDES permit number, facility name, and applicable outfall number at the top of each page of the tables and any associated attachments.

You may report some or all of the required data by attaching separate sheets of paper instead of completing Tables A through E for each of your outfalls so long as the sheets contain all of the required information and are similar in format to Tables A through E. For example, you may be able to print a report in a compatible format from the data system used in your GC/MS analysis completed under Table B.

Table A requires you to report at least one analysis for each pollutant listed. Tables B through D require you to report analytical data in two ways. For some pollutants, you may be required to check the box in the "Testing Required" column and test and report the levels of the pollutants in your discharge whether or not you expect them to be present in your discharge. For all other pollutants, you must check the box in either the "Believed Present" or "Believed Absent" columns based on your best estimate and test for those you believe to be present (with some exceptions). Base your determination that a pollutant is present in or absent from your discharge on your knowledge of your raw materials, maintenance chemicals, intermediate and final products and byproducts, and any previous analyses known to you of your effluent or similar effluent. For example, if you manufacture pesticides, you should expect those pesticides to be present in contaminated stormwater runoff.

If you would expect a pollutant to be present solely because of its presence in your intake water, you must mark "Believed Present" but you are not required to analyze for that pollutant. Instead, mark an "X" in the long-term average value of the "Intake" column; optionally, you may instead provide intake data.

Reporting of Effluent Data

Report sampling results for all pollutants in Tables A through C as concentration *and* total mass, except for flow, temperature, pH, color, and fecal coliform organisms. If you are reporting quantitative data under Table D, report concentration only.

Flow, temperature, pH, color, and fecal coliform organisms must be reported as mgd, degrees Celsius (°C), standard units, color units, and most probable number per 100 milliliters (MPN/100 mL), respectively. Use the following abbreviations in the columns requiring "units" in Tables A through D.

Concentration	Mass
ppm = parts per million	lbs. = pounds
mg/L = milligrams per liter	ton = tons (English tons)
ppb = parts per billion	mg = milligrams
µg/L = micrograms per liter	g = grams
MPN = most probable number per 100 milliliters	kg = kilograms
	T = tonnes (metric tons)

Concentration	Mass
ppm = parts per million	lbs. = pounds
mg/L = milligrams per liter	ton = tons (English tons)
ppb = parts per billion	mg = milligrams
µg/L = micrograms per liter	g = grams
MPN = most probable number per 100 milliliters	kg = kilograms
	T = tonnes (metric tons)

All reporting of values for metals must be in terms of "total recoverable metal," unless:

- An applicable, promulgated ELG specifies the limitation for the metal in dissolved, valent, or total form;
- All approved analytical methods for the metal inherently measure only its dissolved form (e.g., hexavalent chromium); or
- The permitting authority has determined that in establishing case-by-case limitations it is necessary to express the limitations of the metal in dissolved, valent, or total form to carry out the provisions of the CWA.

Note that you are *not* required to complete the "Maximum Monthly Discharge" and the "Long-Term Average Daily Discharge" columns of Tables A through C; however, these fields should be completed if data are available.

If you measure only one daily value, complete the "Maximum Daily Discharge" columns of the tables and enter "1" in the "Number of Analyses" columns. The NPDES permitting authority may require additional analyses to further characterize your discharges.

For composite samples, the daily value is the total mass or average concentration found in a composite sample taken over the operating hours of the facility during a 24-hour period. For grab samples, the daily value is the arithmetic or flow-weighted total mass or average concentration found in a series of at least four grab samples taken over the operating hours of the facility during a 24-hour period.

If you measure more than one daily value for a pollutant and those values are representative of your wastestream, you must report them. You must describe your method of testing and data analysis.

When an applicant has two or more outfalls with substantially identical effluents, the NPDES permitting authority may allow the applicant to test only one outfall and report those quantitative data as applying to the substantially identical outfall. If the permitting authority grants your request, attach a separate sheet to the application form identifying the outfall tested and describing why the other outfall(s) are substantially identical.

Reporting of Intake Data

You are not required to report data under the "Intake" columns of Tables A through C unless you wish to demonstrate your eligibility for a "net" effluent limitation for one or more pollutants in Tables A through C (i.e., an effluent limitation adjusted by subtracting the average level of the pollutant(s) present in your intake water). NPDES regulations allow net limitations only in certain circumstances. To demonstrate your

TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii)) [1]

	Pollutant	Waiver Requested (if applicable)	Units (specify)		Effluent: Maximum Daily Discharge (required)	Effluent: Maximum Monthly Discharge (if available)	Effluent: Long-Term Average Daily Discharge (if available)	Effluent: Number of Analyses	Intake (optional): Long-Term Average Value	Intake (optional): Number of Analyses
☐	Check here if you have applied to your NPDES permitting authority for a waiver for *all* of the pollutants listed on this table for the noted outfall.									
1.	Biochemical oxygen demand (BOD_5)	☐	Concentration	mg/L	<2.0			1		
			Mass	lbs	3.61			1		
2.	Chemical oxygen demand (COD)	☐	Concentration	mg/L	<10			1		
			Mass	lbs	18.0			1		
3.	Total organic carbon (TOC)	☐	Concentration	mg/L	2.0			1		
			Mass	lbs	3.61			1		
4.	Total suspended solids (TSS)	☐	Concentration	mg/L	<2.5			1		
			Mass	lbs	4.51			1		
5.	Ammonia (as N)	☐	Concentration	mg/L	<0.05			1		
			Mass	lbs	0.0901			1		
6.	Flow	☐	Rate	mgd	0.216			1		
7.	Temperature (winter)	☐	°C	°C	21.7			1		
	Temperature (summer)	☐	°C	°C						
8.	pH (minimum)	☐	Standard units	s.u.	7.6			1		
	pH (maximum)	☐	Standard units	s.u.	7.6			1		

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

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
	AL0042374	McDuffie Coal Terminal	001E

OMB No. 2040-0004
Expires 07/31/2026

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))[1]

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
☐	Check here if you qualify as a small business per the instructions to Form 2C and, therefore, do not need to submit quantitative data for any of the organic toxic pollutants in Sections 2 through 5 of this table. Note, however, that you must still indicate in the appropriate column of this table if you believe any of the pollutants listed are present in your discharge.											
Section 1. Toxic Metals, Cyanide, and Total Phenols												
1.1	Antimony, total (7440-36-0)	☑	☐	☐	Concentration	mg/L	<0.020			1		
					Mass	lbs	0.0361			1		
1.2	Arsenic, total (7440-38-2)	☑	☐	☐	Concentration	mg/L	<0.020			1		
					Mass	lbs	0.0361			1		
1.3	Beryllium, total (7440-41-7)	☑	☐	☐	Concentration	mg/L	<0.0040			1		
					Mass	lbs	0.00721			1		
1.4	Cadmium, total (7440-43-9)	☑	☐	☐	Concentration	mg/L	<0.0050			1		
					Mass	lbs	0.00901			1		
1.5	Chromium, total (7440-47-3)	☑	☐	☐	Concentration	mg/L	<0.010			1		
					Mass	lbs	0.0180			1		
1.6	Copper, total (7440-50-8)	☑	☐	☐	Concentration	mg/L	<0.020			1		
					Mass	lbs	0.0361			1		
1.7	Lead, total (7439-92-1)	☑	☐	☐	Concentration	mg/L	<0.010			1		
					Mass	lbs	0.0180			1		
1.8	Mercury, total (7439-97-6)	☑	☐	☐	Concentration	mg/L	<0.00020			1		
					Mass	lbs	0.000361			1		
1.9	Nickel, total (7440-02-0)	☑	☐	☐	Concentration	mg/L	<0.040			1		
					Mass	lbs	0.0721			1		
1.10	Selenium, total (7782-49-2)	☑	☐	☐	Concentration	mg/L	<0.020			1		
					Mass	lbs	0.0361			1		
1.11	Silver, total (7440-22-4)	☑	☐	☐	Concentration	mg/L	<0.010			1		
					Mass	lbs	0.0180			1		

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
	AL0042374	McDuffie Coal Terminal	001E

OMB No. 2040-0004
Expires 07/31/2026

TABLE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC TOXIC POLLUTANTS (40 CFR 122.21(g)(7)(v))[1]

	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
			Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
1.12	Thallium, total (7440-28-0)	☑	☐	☐	Concentration	mg/L	<0.025			1		
					Mass	lbs	0.0451			1		
1.13	Zinc, total (7440-66-6)	☑	☐	☐	Concentration	mg/L	0.032			1		
					Mass	lbs	0.0577			1		
1.14	Cyanide, total (57-12-5)	☑	☐	☐	Concentration	mg/L	<0.0050			1		
					Mass	lbs	0.00901			1		
1.15	Phenols, total	☑	☐	☐	Concentration	mg/L	<0.0050			1		
					Mass	lbs	0.00901			1		
Section 2. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)												
2.1	Acrolein (107-02-8)	☐	☐	☑	Concentration							
					Mass							
2.2	Acrylonitrile (107-13-1)	☐	☐	☑	Concentration							
					Mass							
2.3	Benzene (71-43-2)	☐	☐	☑	Concentration							
					Mass							
2.4	Bromoform (75-25-2)	☐	☐	☑	Concentration							
					Mass							
2.5	Carbon tetrachloride (56-23-5)	☐	☐	☑	Concentration							
					Mass							
2.6	Chlorobenzene (108-90-7)	☐	☐	☑	Concentration							
					Mass							
2.7	Chlorodibromomethane (124-48-1)	☐	☐	☑	Concentration							
					Mass							
2.8	Chloroethane (75-00-3)	☐	☐	☑	Concentration							
					Mass							

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
	AL0042374	McDuffie Coal Terminal	001E

OMB No. 2040-0004
Expires 07/31/2026

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))[1]

	Pollutant	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
		Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
☐	Check here if you believe all pollutants in Table C to be ***present*** in your discharge from the noted outfall. You need *not* complete the "Presence or Absence" column of Table C for *each* pollutant.										
☐	Check here if you believe all pollutants in Table C to be ***absent*** in your discharge from the noted outfall. You need *not* complete the "Presence or Absence" column of Table C for *each* pollutant.										
1.	Bromide (24959-67-9)	☑	☐	Concentration	mg/L	<1.0			1		
				Mass	lbs	1.80			1		
2.	Chlorine, total residual	☑	☐	Concentration	mg/L	<0.10			1		
				Mass	lbs	0.180			1		
3.	Color	☑	☐	Concentration	c.u.	<5.0			1		
				Mass							
4.	Fecal coliform	☑	☐	Concentration	MPN	56			1		
				Mass							
5.	Fluoride (16984-48-8)	☑	☐	Concentration	mg/L	<1.0			1		
				Mass	lbs	1.80			1		
6	Nitrate-nitrite	☑	☐	Concentration	mg/L	0.18			1		
				Mass	lbs	0.324			1		
7.	Nitrogen, total organic (as N)	☑	☐	Concentration	mg/L	<0.050			1		
				Mass	lbs	0.901			1		
8.	Oil and grease	☐	☑	Concentration	mg/L	<3.9			1		
				Mass	lbs	7.03			1		
9.	Phosphorus (as P), total (7723-14-0)	☑	☐	Concentration	mg/L	<0.100			1		
				Mass	lbs	0.180			1		
10.	Sulfate (as SO_4) (14808-79-8)	☑	☐	Concentration	mg/L	130			1		
				Mass	lbs	234			1		
11.	Sulfide (as S)	☐	☑	Concentration	mg/L	<0.10			1		
				Mass	lbs	0.180			1		

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))[1]

	Pollutant	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
		Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12.	Sulfite (as SO_3) (14265-45-3)	☐	☑	Concentration	mg/L	<2.0			1		
				Mass	lbs	3.61			1		
13.	Surfactants	☑	☐	Concentration	mg/L	0.22			1		
				Mass	lbs	0.397			1		
14.	Aluminum, total (7429-90-5)	☑	☐	Concentration	mg/L	<0.200			1		
				Mass	lbs	0.361			1		
15.	Barium, total (7440-39-3)	☑	☐	Concentration	mg/L	0.064			1		
				Mass	lbs	0.115			1		
16.	Boron, total (7440-42-8)	☑	☐	Concentration	mg/L	<0.100			1		
				Mass	lbs	0.180			1		
17.	Cobalt, total (7440-48-4)	☐	☑	Concentration	mg/L	<0.010			1		
				Mass	lbs	0.0180			1		
18.	Iron, total (7439-89-6)	☑	☐	Concentration	mg/L	0.110			1		
				Mass	lbs	0.198			1		
19.	Magnesium, total (7439-95-4)	☑	☐	Concentration	mg/L	12			1		
				Mass	lbs	21.6			1		
20.	Molybdenum, total (7439-98-7)	☑	☐	Concentration	mg/L	<0.010			1		
				Mass	lbs	0.0180			1		
21.	Manganese, total (7439-96-5)	☑	☐	Concentration	mg/L	0.090			1		
				Mass	lbs	0.162			1		
22.	Tin, total (7440-31-5)	☐	☑	Concentration	mg/L	<0.050			1		
				Mass	lbs	0.0901			1		
23.	Titanium, total (7440-32-6)	☑	☐	Concentration	mg/L	<0.010			1		
				Mass	lbs	0.0180			1		

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi))[1]

	Pollutant	Presence or Absence (check one)		Units (specify)		Effluent				Intake (optional)	
		Believed Present	Believed Absent			Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
24.	**Radioactivity**										
	Alpha, total	☐	☑	Concentration	pCi/L	-0.604 +/- 1.80			1		
				Mass	Ci	-4.94E-07			1		
	Beta, total	☐	☑	Concentration	pCi/L	2.56 +/- 1.19			1		
				Mass	Ci	2.09E-06			1		
	Radium, total	☐	☑	Concentration	pCi/L	0.931 +/- 0.496			1		
				Mass	Ci	7.61E-07			1		
	Radium 226, total	☐	☑	Concentration	pCi/L	0.177 +/- 0.172			1		
				Mass	Ci	1.45E-07			1		

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

SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN

for

ALABAMA STATE PORT AUTHORITY
McDUFFIE ISLAND COAL TERMINAL

1768 YEEND STREET
MOBILE, ALABAMA 36603

MARCH 2017

Prepared by:

ALABAMA STATE PORT AUTHORITY
Environmental & Program Management

TABLE OF CONTENTS

Section **Page No.**

Contents

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

MANAGEMENT APPROVAL

Spill Prevention, Control, and Countermeasure (SPCC) Plan

for

McDuffie Island Coal Terminal

owned by

Alabama State Port Authority
250 N. Water Street
Mobile, Alabama 36602

This plan has been reviewed by the management of the Alabama State Port Authority and has our full approval. We hereby adopt this SPCC Plan into the operation of our facility at the McDuffie Coal Terminal and agree to commit the necessary resources to implement the SPCC plan.

(Signature)

Brad Ojard
Senior Vice President, Operations

3/29/17
(Date)

(Signature)

Smitty Thorne
Deputy Director, Chief Operating Officer

3/29/17
(Date)

PROFESSIONAL ENGINEER'S CERTIFICATION

By means of this Professional Engineer Certification, I hereby attest to the following:

- I am familiar with the requirements of 40 CFR 112 (Oil Pollution Prevention);
- I and/or my agent have visited and examined the McDuffie Island Coal Terminal covered in this Plan;
- This Plan has been prepared in accordance with good engineering practice including consideration of applicable industry standards and in conformance with the requirements of 40 CFR 112;
- The required inspection and testing procedures have been established and Alabama State Port Authority has committed to following them.
- This Plan is adequate for the facility.

Gretchen L. Barrera
(Signature)

3/29/17
(Date)

Gretchen L. Barrera, P.E.
Registration No.: 33827
State of Registration: Alabama

(SEAL)

FIVE YEAR REVIEW FORM

Management shall review and evaluate this SPCC plan at least once every five years and document the review below. This SPCC plan will be amended within six months of the review to include more effective prevention and control technology if: (1) such technology will significantly reduce the likelihood of a spill event at the facility, and (2) such technology has been field-proven at the time of review.

I have completed a review and evaluation of the SPCC Plan for Alabama State Port Authority McDuffie Island Coal Terminal on this date and;

☐ Will amend this Plan as a result.
☒ Will not amend the Plan as a result.

Comments: _____

Signature: Gretchen Barrera Date: 3/6/23

Printed Name: Gretchen Barrera

Title: Environmental Section Manager

The next scheduled review date will be: 3/6/2028 (5 years from above date).

RECORD OF CHANGES AND REVISIONS

In accordance with 40 CFR 112.5, this SPCC plan shall be amended whenever there is a change in facility design, construction, operation, or maintenance, which materially affects the facility's potential for discharge of oil (into or upon navigable waters of the United States or adjoining shorelines) in quantities that may be harmful, as described in 40 CFR 110.

All revisions shall be documented below.

NON-TECHNICAL AMENDMENTS

- Non-technical amendments are not certified by a Professional Engineer.
- Examples of changes include, but are not limited to, phone numbers, name changes, or any non-technical text change(s).

TECHNICAL AMENDMENTS

- Technical amendments are certified by a Professional Engineer (§112.5(c)).
- Examples of changes include, but are not limited to: commissioning or decommissioning containers; replacement, reconstruction, or movement of containers; reconstruction, replacement, or installation of piping systems; construction or demolition that might alter secondary containment structures; changes of product or service; or revision of standard operation or maintenance procedures at a facility.
- An amendment made under this section will be prepared within six (6) months of the change and implemented as soon as possible but not later than six (6) months following preparation of the amendment.
- Technical amendments affecting various pages within the plan can be P.E. certified on those pages, certifying those amendments only, and will be documented on the log form below.

Revision ID	Page(s) Affected	Description	Signature (Specify) *	Revision Date	P.E. Cert. (Y/N)
A					

*Typically signed by Manager, Professional Engineer, or plan reviewer.

SCHEDULE FOR IMPLEMENTATION

In accordance with 40 CFR 112.7, if the SPCC plan calls for additional facilities or procedures, methods, or equipment not yet fully operational, these items should be discussed in separate paragraphs, and the details of installation and operational start-up should be explained separately.

Listed in the following discussion are items of this SPCC Plan which are not yet fully operational at the time of issuance of this SPCC Plan.

Minor additional facilities or equipment necessary to implement this SPCC plan were identified related to containers owned by others. These facilities consist of:

- *Coal Freight Forwarding Container ID No. H: Provide secondary containment for 250-gallon motor oil tote or replace with a double-walled tank.*
- *Coal Freight Forwarding Container ID No. L: Provide spill pallets or other means of secondary containment beneath all 55-gallon storage drums to provide secondary containment and facilitate visual inspection.*

SPCC regulations (40 CFR 112.5) require that amendments to the plan be fully implemented as soon as possible, and no later than six months after the plan amendment.

CROSS-REFERENCE TO 40 CFR 112 REGULATIONS

40 CFR 112 REGULATION SECTION NUMBER	SPCC PLAN SECTION NUMBER
40 CFR 112.7 – 1st paragraph (un-numbered)	**Management Approval……...**page iv **Schedule for Implementation…….**page viii **Cross-reference……**page ix
40 CFR 112.7 (a)(1)	**1.0**…….General Information **3.0**…….Potential Spills – Prediction and Control **4.0**…….Conformance with Specific Spill Prevention and Control Guidelines **Table 1** **Figures 1 - 3**
40 CFR 112.7 (a)(2)	**2.7**…….Deviations from Requirements
40 CFR 112.7 (a)(3)	**3.0**…….Potential Spills – Prediction and Control **4.0**…….Conformance with Specific Spill Prevention and Control Guidelines **8.0**…….Spill Contingency Procedures **Table 1** **Figures 1 – 3**
40 CFR 112.7 (a)(4)	**8.0**…….Spill Contingency Procedures
40 CFR 112.7 (a)(5)	**8.0**…….Spill Contingency Procedures
40 CFR 112.7 (b)	**3.0**…….Potential Spills – Prediction and Control **Table 1** **Figure 3**
40 CFR 112.7 (c)	**3.0**…….Potential Spills – Prediction and Control **4.0**…….Conformance with Specific Spill Prevention and Control Guidelines **Table 1** **Figures 1 – 3**
40 CFR 112.7 (d)	**3.5**…….Containment Practicability/Spill Contingency Commitment **8.0**…….Spill Contingency Procedures **Appendix C**..Letter of Intent from U.S. Environmental Services
40 CFR 112.7 (e)	**5.0**……..Inspections, Tests, and Records **Appendix B**…Inspection Procedures and Report Forms

CROSS-REFERENCE TO 40 CFR 112 REGULATIONS (CONTINUED)

40 CFR 112 REGULATION SECTION NUMBER	SPCC PLAN SECTION NUMBER
40 CFR 112.7 (f)	**2.5**…….Responsibility **7.0**…….Personnel, Training, and Discharge Prevention Procedures
40 CFR 112.7 (g)	**6.0**…….Security
40 CFR 112.7 (h)	**4.4**…….Facility Tank Car and Tank Truck Loading and Unloading Rack
40 CFR 112.7 (i)	**Not Applicable (no field-constructed containers)**
40 CFR 112.7 (j)	**4.0**……. Conformance with Specific Spill Prevention and Control Guidelines
40 CFR 112.7 (k)	**4.5**..... Oil-Filled Equipment
40 CFR 112.8 (b)	**4.1**…….Facility Drainage Control **5.1**…….Tests and Inspections
40 CFR 112.8 (c)	**3.2**…….Designation of Oil Storage Areas **4.2**…….Bulk Storage Containers **5.1**…….Tests and Inspections **Table 1**
40 CFR 112.8 (d)	**3.3**…….Designation of Oil Transfer Locations **4.3**…….Facility Transfer Operations
40 CFR 112.9 and subsequent sections	**Not Applicable**
40 CFR 112 Appendix C	**2.5**……..Applicability of Substantial Harm Criteria **Appendix A**...Significant & Substantial Harm Criteria Certification

1.0 GENERAL PLAN REQUIREMENT

1.1 Introduction

The purpose of this Spill Prevention Control and Countermeasure (SPCC) Plan is to describe the measures implemented by Alabama State Port Authority (ASPA) to prevent oil discharges from occurring. This Plan also documents the processes used by ASPA to respond in a safe, effective, and timely manner to mitigate the impacts of a discharge from the ASPA McDuffie Coal Terminal. This SPCC Plan has been prepared and implemented in accordance with the SPCC requirements contained in Title 40, Code of Federal Regulations (CFR), Part 112.

In addition to fulfilling the requirements of 40 CFR §112, this SPCC Plan may be used as a reference for oil storage information and inspection/testing records, as a tool to communicate practices on preventing and responding to discharges with McDuffie employees and contractors, as a guide for facility inspections, and as a resource during emergency response.

1.2 Applicability of Federal Regulations

U.S. Environmental Protection Agency (USEPA) regulation (40 CFR 112) establishes the requirements for preparation and implementation of a SPCC Plan for a non-transportation related facility with oil storage above certain threshold quantities (oil being loosely defined to include petroleum-related products, including various fuels and lubricating oils, as well as non-petroleum oils).

A facility is required to prepare a SPCC Plan if it has total underground storage capacity in excess of 42,000 gallons (excluding underground storage tanks that are subject to technical requirements of 40 CFR 280 or corollary state regulations), or has total aboveground storage capacity in excess of 1,320 gallons (counting only those containers with a capacity of 55 gallons or greater). As detailed in Section 2, McDuffie Coal Terminal meets the threshold of aboveground storage volume and therefore must comply with the SPCC requirements contained in Title 40, CFR Part 112.

1.2 Plan Availability

ASPA maintains this SPCC Plan at the McDuffie Administration Office and Environmental & Program Management Office. The SPCC Plan is available for review by employees, contractors, and representatives from State and Federal regulatory agencies for on-site review during normal working hours.

1.3 Plan Review

In accordance with 40 CFR §112.5, ASPA periodically reviews and evaluates this SPCC Plan for any changes in facility design, construction, operation, or maintenance that materially affects the facility's potential for an oil discharge. Plan review is documented on the form provided on p. vi at least once every five years. This form must be completed even if no amendment is made to the plan. Revisions to the plan, if needed, are documented on the

Record of Changes and Revisions provided on p. vii.

2.0 GENERAL FACILITY INFORMATION

2.1 Facility Description

The McDuffie Coal Terminal is located on McDuffie Island near the outlet of the Mobile River into Mobile Bay, as shown on the Site Vicinity Map (Figure 1). Other adjacent bodies of water are North Garrows Bend located west of McDuffie Island and Arlington Channel to the south. The facility is located within the city limits of Mobile, Alabama and is approximately 100 acres in area. The facility is also depicted on the Aerial Photograph (Figure 2).

The McDuffie Coal Terminal is operated by the Alabama State Port Authority as a dry handling facility for coal storage and transport. The terminal is equipped with ship loading and unloading berths, a ship unloader and double stacker/conveyor system that can handle both iron ore and coal, stacker-reclaimers, tandem and single railcar dumps, loop tracks around the facility for ease of coal car handling, and barge loader and unloaders. Figure 3 is an Oil Storage Container Location Plan for the terminal and shows the general locations of items referenced in the text of this report.

2.2 Facility Drainage Description

A site vicinity map showing property boundaries and topographic features of the area is shown on Figure 1. An Oil Storage Container Location Plan showing general drainage patterns, drainage diversionary structures, treatment structures, and treatment ponds is provided on Figure 3.

The site is generally flat with only shallow relief in the form of constructed swales, drainage ditches and other features such are concrete pads, roads, railroad beds, etc. The site is surrounded by a swale that keeps stormwater inside the site and prevents runoff. Railroad tracks are located in the middle of and to the west of the site. The Coal Terminal is drained to a series of pumping stations that pump excess water to detention ponds and finally to a sedimentation basin on the south side of the facility. The treated water is then discharged to Mobile Bay for final disposal.

2.3 Location and Contact Information

Facility Name: Alabama State Port Authority McDuffie Coal Terminal

Facility Owner/Operator: Alabama State Port Authority

Facility Location: 1768 Yeend Street
Mobile, AL 36603
(See Figure 1 for Site Vicinity Map)

Mailing Address: P.O. Box 1588
Mobile, AL 36633

SPCC Plan Facility Contacts:

Contact	Title	Office Phone	Cellular Phone
Scott Wallace	McDuffie Operations Manager	(251) 441-7316	(251) 408-7068
Scott McAfee	McDuffie Operations Supervisor	(251) 441-7664	(251) 422-1801
Gretchen Barrera	Environmental Section Manager	(251) 441-7086	(251) 622-4180

2.4 Oil Storage

The McDuffie Coal Terminal contains numerous bulk storage containers as shown on Figure 3. The bulk storage containers range in size from 55 gallon drums to 10,000 gallon aboveground storage tanks with a cumulative oil storage of 29,920 gallons. Table 1 provides the container size, material, and contents. The facility does not have any completely buried, partially buried or bunkered storage tanks onsite.

2.5 Responsibility

The McDuffie Operations Manager will be responsible for the implementation of the SPCC program. These responsibilities include establishing emergency procedures, SPCC employee training programs, proper reporting and records procedures and ensuring SPCC review and updates as required and needed. The McDuffie Operations Manager shall ensure that personnel are trained in the prevention, control countermeasure and reporting procedures for oil spills. Training sessions for oil handling personnel will be conducted annually to review discharge prevention measures and any known discharges from the facility.

2.6 Applicability of Substantial Harm Criteria

In accordance with 40 CFR 112.20(e), the "significant and substantial harm criteria" certification form required by Appendix C to 40 CFR 112 has been completed and is contained in Appendix A of this SPCC Plan. This facility does not meet the substantial harm criteria, and therefore is not required to prepare an "OPA 90" Facility Response Plan.

2.7 Deviations from Requirements

There are no deviations from the SPCC Requirement.

3.0 POTENTIAL SPILLS – PREDICTION AND CONTROL

3.1 Potential Spill Sources

All bulk storage containers, equipment, and operations have been evaluated for reasonable potential for failure. Potential failures identified include:

- tank leak and rupture/failure due to corrosion;
- tank rupture due to lightning strike;
- leak at connection;
- hose/pipe failure during transfer operations; and
- human error during transfer operations.

The purpose of this discussion is to describe the nature and characteristics of potential spill occurrences, and applicable control measures. Potential spills may occur with any of the following:

- equipment failure (e.g. tank rupture or leaks, leak in piping, malfunction of dispenser)
- operational errors (e.g. tank overfill, spillage)
- vandalism (tampering with tanks and dispensers), and
- damage to tanks, dikes, and dispensers during hurricanes, tornadoes, flood conditions, or other natural disasters.

Potential spills may be expected primarily at the oil storage areas and/or oil transfer areas. Potential spills may range from relatively minor occurrences (e.g. small leakage from valve) to major occurrences (e.g. catastrophic failure of a storage tank or spill from a single compartment of a fully loaded tanker truck).

Prevention of spills at the storage tanks and transfer areas will be accomplished most readily by routine visual inspection and maintenance of equipment (tanks, piping, connections and hoses) and by operational care during tank filling and transfer operations to prevent accidental overfill and/or spillage.

Table 1 provides capacities of various bulk oil storage containers (i.e., maximum volumes of potential spills) and, with reference to Figure 3, indicates the flow path of a potential spill.

3.2 Designation of Oil Storage Areas

An inventory of aboveground bulk oil storage containers is presented in Table 1, and a drawing showing bulk oil storage container locations is included in Figure 3. Table 1 and Figure 3 include locations where 55-gallon drums of oil may be stored along with notations

of the number of drums and the type of oil at each location.

Each container listed in Table 1, depicted on Figure 3, and described below may not be owned by the Alabama State Port Authority but may be part of on-site contractor operations. Containers owned and operated by others are identified on Table 1. Inspection, maintenance, and spill reporting shall be the responsibility of the owner and operator listed.

All aboveground tanks receive periodic visual inspections. On all external examinations, checks are made for signs of deterioration and leaks. All leaks found receive special maintenance priority. See Section 5.0 for further description of inspections and recordkeeping.

Caterpillar Diesel Generator (Container ID No. 1)

One Caterpillar Diesel Generator located at the 1901 Entrance Gate of facility as shown on Figure 3, approximately 975 feet West of Mobile Bay, the closest navigable body of water. This tank is of "double-walled" construction with the outer tank serving as secondary containment for the entire tank contents. It is designed in accordance with UL 142 for steel aboveground atmospheric tanks for flammable and combustible liquids. The tank is manufactured so that the interstitial space between the inner and outer tank walls can be monitored. Should oil be present in the interstitial space, the cause of the leak should be investigated and appropriate repairs implemented.

The tank is filled by a licensed motor carrier that will park the supply truck adjacent to the concrete walls surrounding the AST and fill the tank using a pump and hose. The immediate area where the fuel supply truck is parked does not have permanent secondary containment in the form of berms, curbing, drainage to sumps, or similar features. However, general topographic features at this location would direct a spill South into McDuffie import yard. The risk of impact on navigable waters from such a spill is considered minimal.

1,000-gallon Gasoline Fuel AST (Container ID No. 2)

One 1,000-gallon gasoline fuel AST is located southeast of the McDuffie Import storage yard, as shown in Figure 3, approximately 600 feet from the Mobile River, the closest navigable body of water. This tank is of "double-walled" construction with the outer tank serving as secondary containment for the entire tank contents. It is designed in accordance with UL 142 for steel aboveground atmospheric tanks for flammable and combustible liquids. The tank is manufactured so that the interstitial space between the inner and outer tank walls can be monitored. Should oil be present in the interstitial space, the cause of the leak should be investigated and appropriate repairs implemented.

The tank sits directly on the ground. The primary fill port for tank loading is equipped with spill protection.

The tank is filled by a licensed motor carrier that will park the supply truck adjacent to the metal dike and fill the tank using a pump and hose. The tank is surrounded on all four sides by concrete bollards to protect against impacts from vehicles. The immediate area where the supply truck is parked does not have permanent secondary containment in the form of berms, curbing, drainage to sumps, or similar features. However, general

topographic features at this location would direct a spill east towards a depression in the yard. The risk of impact on navigable waters from such a spill is considered minimal.

3,000-gallon Diesel Fuel AST (Container ID No. 3)

One 3,000-gallon diesel fuel AST is located southeast of the McDuffie Import storage yard, as shown in Figure 3, approximately 600 feet from the Mobile River, the closest navigable body of water. This tank is of "double-walled" construction with the outer tank serving as secondary containment for the entire tank contents. It is designed in accordance with UL 142 for steel aboveground atmospheric tanks for flammable and combustible liquids. The tank is manufactured so that the interstitial space between the inner and outer tank walls can be monitored. Should oil be present in the interstitial space, the cause of the leak should be investigated and appropriate repairs implemented.

The tank sits directly on the ground. The primary fill port for tank loading is equipped with spill protection.

The tank is filled by a licensed motor carrier that will park the supply truck adjacent to the AST and fill the tank using a pump and hose. The tank is surrounded on all four sides by concrete bollards to protect against impacts from vehicles. The immediate area where the diesel fuel supply truck is parked does not have permanent secondary containment in the form of berms, curbing, drainage to sumps, or similar features. However, general topographic features at this location would direct a spill east toward a depression in the storage yard. Discharges directed to this portion of the storage area could be picked up with a vacuum truck. The risk of impact on navigable waters from such a spill is considered minimal.

280-gallon Used Oil AST, 250-gallon Motor Oil AST, 250-gallon Hydraulic Oil AST, and 100-gallon Motor Oil AST (Container ID No. 4)

Several ASTs along with drums are located inside the Mechanic's Shop identified as Container ID No. 4, on the northeast corner of the McDuffie Export area.

One 280-gallon used oil tank is of "double-walled" construction with the outer tank serving as secondary containment for the entire tank contents. The tank is designed in accordance with UL 142 for steel aboveground atmospheric tanks for flammable and combustible liquids. The tank is manufactured so that the interstitial space between the inner and outer tank walls can be electronically monitored. Should oil be present in the interstitial space, the cause of the leak should be investigated and appropriate repairs implemented. The tank is mounted on elevated supports to allow for complete visual inspection. Additionally, floor drains in the concrete floor of the shop direct any discharges to an oil-water separator located at the southwest corner of the building.

One 250-gallon motor oil AST, one 250-gallon hydraulic oil AST, and one 100-gallon motor oil tank are also located inside the Mechanic's Shop. The tanks are of "single-walled" construction and are mounted on elevated supports to allow for complete visual inspection. Secondary containment is provided by the oil-water separator connected to the floor drains in the concrete floor of the shop. Any discharge would be directed to the oil-water separator located at the southwest corner of the building. Discharges directed to this portion of the

storage area could be picked up with a vacuum truck.

The risk of impact on navigable waters from such a spill is considered minimal.

10,000-gallon Diesel Fuel AST and 8,000-gallon Gasoline AST (Container ID No. 7)

One 10,000-gallon diesel fuel AST and one 8,000-gallon gasoline AST are located together on the same concrete pad on the west side of McDuffie Island Coal Terminal as shown on Figure 3. The tanks are approximately 225 feet from Garrows Bend, the closest navigable body of water. These tanks are of "double-walled" construction with the outer tank serving as secondary containment for the entire tank contents. They are designed in accordance with UL 142 for steel aboveground atmospheric tanks for flammable and combustible liquids. The tanks are manufactured so that the interstitial space between the inner and outer tank walls can be electronically monitored. Should oil be present in the interstitial space, the cause of the leak should be investigated and appropriate repairs implemented.

The tanks are surrounded on all four sides by concrete bollards to protect against impacts from vehicles. The tanks are mounted on elevated supports to allow for complete visual inspection. The primary fill ports for tank loading are equipped with spill/overfill protection at the top of each tank. A dispenser pump and two nozzles are located near the same end of the tank where the fill ports are located. The nozzles have an automatic cutoff feature. Each tank has a manual cutoff switch for the nozzle.

The tanks are filled by a licensed motor carrier that will park the supply truck adjacent to the concrete bollards surrounding the ASTs and fill the tanks using a pump and hose. The immediate area where the fuel supply truck is parked does not have permanent secondary containment in the form of berms, curbing, drainage to sumps, or similar features. However, the general area of this tank and topographic features of the site do have drainage to allow for containment of spills that could occur during loading. The risk of impact on navigable waters from such a spill is considered minimal.

550-gallon Diesel Fuel AST (Container ID No. 8)

One 550-gallon diesel fuel AST is located Southwest corner of the facility near the coal spoil area, as shown in Figure 3, approximately 35 feet from Garrows Bend, the closest navigable body of water. This tank is of "double-walled" construction with the outer tank serving as secondary containment for the entire tank contents. It is designed in accordance with UL 142 for steel aboveground atmospheric tanks for flammable and combustible liquids. The tank is manufactured so that the interstitial space between the inner and outer tank walls can be monitored. Should oil be present in the interstitial space, the cause of the leak should be investigated and appropriate repairs implemented.

The tank sits directly on the ground. The primary fill port for tank loading is equipped with spill protection.

The tank is filled by a licensed motor carrier that will park the supply truck adjacent to the AST and fill the tank using a pump and hose. The immediate area where the diesel fuel supply truck is parked does not have permanent secondary containment in the form of berms,

curbing, drainage to sumps, or similar features. However, general topographic features at this location would direct a spill south into the Southwest pumping station. Discharges directed to this portion of the storage area could be picked up with a vacuum truck. The risk of impact on navigable waters from such a spill is considered minimal.

Drum Storage and Miscellaneous Oil Containers

Oil products such as lubricating oil, grease, used oil, mineral oil, and similar items are often stored in 55-gallon drums for use at various locations within the facility. As such they are included by the regulations in the aggregate aboveground storage capacity (refer to Table 1).

At this facility, ASPA stores 55-gallon drums at the following locations:

- Inside the Mechanic's Shop (Container ID No. 4)
- Inside the Oil Shed on the concrete floor (Container ID No. 5)
- Outside the Oil Shed on a concrete pad (Container ID No. 6)
- On the beds of maintenance trucks (Container ID No. 9)

In total, oil products or byproducts are stored in approximately 90 drums owned and maintained by ASPA.

3.3 Designation of Oil Transfer Locations

Other than minor transfer operations (e.g., from drums or small tanks to equipment), the primary bulk oil transfer activity by ASPA occurs at the following locations:

- South of the McDuffie Import Yard at the 1,000-gallon Gasoline Fuel AST and 3,000-gallon Diesel Fuel AST (Container ID No. 2 and 3, respectively);
- Filling the 250-gallon Motor Oil AST, 250-gallon Hydraulic Oil AST, and 100-gallon Motor Oil AST inside the Mechanic's Shop and emptying the 280-gallon Used Oil AST inside the Mechanic's Shop (Container ID No. 4);
- On the west side of the facility, 250 ft. NE of car dumper No. 1 at the 10,000-gallon Diesel Fuel and 8,000 Gasoline Fuel ASTs (Container ID No. 7); and
- Filling the 550-gallon Diesel Fuel AST in the southwest corner of the facility near the coal spoil area (Container ID No. 8).

Loading and dispensing of diesel fuel or gasoline from each of the stationary ASTs occurs outdoors without a traditional loading rack containment system. Fuel is pumped into the tank though the fill port at the top of each tank. Fuel is pumped through a dispenser nozzle from the tank.

Loading of the truck-mounted diesel tank and fuel dispensing occurs without a traditional loading rack containment system. Fuel is pumped into the tank though the fill port at the top of each tank. Fuel is pumped through a dispenser nozzle from the tank.

Used oil is poured directly into the containers from smaller containers. During removal of used oil from tanks or drums, a licensed used oil contractor will park the collection

truck adjacent to the containers and collect the contents using a suction pump and hose in areas without a traditional loading rack containment system. Oil is suctioned out by the used oil contractor through an opening located on the top of the containers.

Loading of hydraulic and motor oil into the respective ASTs occurs without a traditional loading rack containment system. Hydraulic or motor oil is pumped into the tank though the fill port at the top of the tank. Oil is pumped through a nozzle from the tank.

3.4 Containment and Diversionary Structures

Discharges of oil which could occur at the site can be contained, diverted, and/or removed prior to reaching navigable waters or adjoining shorelines. Appropriate containment and/or diversionary structures or equipment are provided which impede such discharges until such time as removal and clean-up can be conducted. Predicted release pathways from each bulk storage container location are provided in Table 1.

All of the stationary ASTs owned and operated by ASPA are either double-walled steel tanks or contained inside a dike. Additionally, an oil discharge from any stationary AST owned or operated by ASPA would drain to a stormwater pump station and ultimately the permitted stormwater retention ponds where oil collection measures could be implemented prior to a release to Mobile Bay.

A release from the truck-mounted 250-gallon diesel tank is most likely to occur in locations where coal-moving equipment are located which is within the permitted stormwater treatment basin boundaries which would also allow for oil collection measures to be implemented prior to a release to Mobile Bay.

Sorbent materials and mobile pumps are available at the facility for collecting discharges of various amounts. Also, see Section 4.4 of this SPCC plan for further discussion of loading/unloading areas.

3.5 Containment Practicability / Spill Contingency Commitment

The installation of structures and equipment to provide containment and prevent discharges from reaching navigable waters has been considered practicable and implemented. Nevertheless, certain portions of the facility where oil is transferred or dispensed may not have complete physical secondary containment. Therefore, the facility maintains a strong contingency plan for expeditious and coordinated response to a spill should such occur (see Section 8 of this SPCC Plan).

4.0 CONFORMANCE WITH SPECIFIC SPILL PREVENTION AND CONTROL GUIDELINES

4.1 Facility Drainage Control

Conformance with applicable provisions is demonstrated. Refer to Sections 4.1, 4.2, 4.3, and 4.4 of this SPCC Plan.

McDuffie Coal Terminal contains a system for diverting surface water runoff that consists of catch basins, underground piping, open ditches, pump stations, holding basins, sedimentation basins, and other treatment basins. Drainage from all other fuel storage areas and loading and unloading areas is diverted to permitted treatment basins. The treatment basins are capable of providing temporary containment for spills prior to discharge.

ASPA does not own or operate any container areas with diking that is exposed to rainfall at the facility. Section 5.1 describes the drainage procedure from containment dikes should any dikes be added to the facility by ASPA.

4.2 Bulk Storage Containers

Conformance with applicable provisions is demonstrated, including:

- compatibility of tank materials with contents
- secondary containment
- inspection of diked area drainage (not currently required for this facility)
- periodic integrity testing and/or visual inspections
- "fail-safe" engineering features (as applicable)
- visible oil leak corrections

Refer to Sections 3.2 and 3.4 of this SPCC Plan for details regarding bulk storage containers. Refer to Section 5.0 of this SPCC plan for descriptions of inspections and tests.

Provisions of 40 CFR 112.8(c)(4, 5, 7, 9, and 11) pertaining to control of leakage from internal steam heating coils, corrosion protection of buried metallic storage tanks, partially buried metallic storage tanks, treatment system effluent observation, and positioning of mobile/portable tanks are not applicable.

4.3 Facility Transfer Operations

Refer to Section 3.3 of this SPCC Plan for discussion of loading and unloading operations. Except for the containers noted in Section 3.3, oil transfer is minimal, and provisions of 40 CFR 112.8(d) are not applicable.

The fill ports for the containers listed in Section 3.3 are located on top of the tanks and are capped. All valves, piping, and appurtenances are above ground, highly visible, easily inspected, and compatible with the contents of the tank.

4.4 Facility Tank Car and Tank Truck Loading/Unloading Rack

Note: This facility does not have a traditional "loading rack" or "unloading rack" (a shelter and associated equipment designed to transfer product to or from storage tanks to or from tank cars or tank trucks). Guidance from USEPA indicates that provisions of 40 CFR 112.7(h) are applicable strictly to loading/unloading "racks", and that other loading/unloading areas are only subject to the general containment requirements of 40 CFR 112.7(c). The facility loading/unloading areas are considered to demonstrate conformance with applicable regulatory provisions, as discussed further below.

(1) Containment system for truck loading/unloading areas: The loading/unloading areas for the bulk oil storage tanks do not have physical secondary containment such as berms, curbing, drainage to sumps, or similar features. EPA regulations at 40 CFR 112.8(h) (1) for loading/unloading racks require a containment system designed to hold the maximum capacity of any single compartment of a tank truck. Since the facility does not have a "loading/unloading rack", the requirement is not strictly applicable. A latitude of engineering judgment is allowed when assessing equivalent conformance of loading/unloading areas (not including "racks") with the more general containment provisions of 40 CFR 112.7(c). Overall factors relating to the risk and significance of a potential spill during loading/unloading should be considered. Such factors include the proximity of surface waters, frequency of loading/unloading operations, and use of standard operating procedures (SOPs) to prevent potential tank overfills or to respond expeditiously and appropriately should a spill occur. Based on the tanks' locations away from surface waters and/or within controlled storm water management areas, and the infrequency of loading/unloading operations, the risk of a significant spill event affecting waters on the United States or adjoining shorelines is considered to be minor, and equivalent conformance is considered to be demonstrated as long as the facility maintains continued diligence and adherence to standard operating procedures. These procedures should include but are not necessarily be limited to:

- tank gauging/volume calculation prior to loading/unloading to assure that overfill (of bulk storage tank) cannot occur
- loading/unloading operation must be continually attended by truck driver and by designated facility personnel
- use of only trained personnel to attend loading/unloading operation
- contingency plan for immediate shut-down of loading/unloading operation if equipment failure occurs (such as hose rupture)
- readily-available spill response equipment at the site

(2) Interlocked warning light or physical barrier system: Not considered applicable to this facility since there is no "loading/unloading rack". Equivalent conformance with applicable provisions of the regulations is considered demonstrated by

continued diligence and adherence to standard operating procedures.

(3) Examination of lowermost drains/outlets of vehicle prior to filling or departure: Not considered applicable to this facility since there is no "loading/unloading rack". Equivalent conformance with applicable provisions of the regulations is considered demonstrated by continued diligence and adherence to standard operating procedures.

4.5 Oil-Filled Equipment

Several compressors are located throughout the facility. General secondary containment is provided with available sorbents. No qualified oil-filled operational equipment are identified at the facility.

McDuffie has developed and implemented an inspection program for oil-filled equipment. Compressors are inspected on a regular basis.

5.0 INSPECTIONS, TESTS, AND RECORDS

5.1 Tests and Inspections

The following testing and inspections are conducted as described in written procedures and reported on a standard form (see Appendix B).

A. Bulk Oil Storage Containers

All tanks and associated diked and floor drain areas are visually inspected at least monthly. This includes visual inspection of tanks and support structure for evidence of physical damage, corrosion, drip marks, discoloration, cracks, deterioration, etc. Diked and floor drain areas are inspected for evidence of debris accumulation, oil spills or leaks, foundation settlement, gaps between tank and foundation, cracks in the concrete slab or walls, damage caused by vegetation roots, etc. The original inspection report form (provided in Appendix B) is filed at the ASPA Environmental Office.

USEPA regulations at 40 CFR 112.8(c)(6) require that each aboveground container be tested for integrity on a regular schedule, and that visual inspections must be combined with another testing technique such as hydrostatic testing, radiographic testing, ultrasonic testing, acoustic emissions testing, or another system of non-destructive shell testing. However, USEPA guidance also provides that visual inspection alone may suffice, subject to good engineering practice, for certain smaller shop-built containers. Clarifications of the mechanical integrity testing guidance for such containers have been issued from USEPA. For well-designed shop-built containers with a shell capacity of 30,000 gallons or under, USEPA states that combining appropriate visual inspection with the measures described below would generally provide environmental protection equivalent to that provided by visual inspection plus another form of testing. Specifically, USEPA generally believes that visual inspection plus elevation of a shop-built container in a manner that decreases corrosion potential (as compared to a container in contact with soil) and makes all sides of the container, including the bottom, visible during inspection (e.g., where the containers are mounted on structural supports, saddles, or some forms of grillage) would be considered "equivalent'.

- The 10,000-, 8,000, 3,000 and 1,000-gallon Diesel Fuel and Gasoline ASTs (Container ID Nos. 2, 3, and 7) and the 280-gallon Used Oil AST (Container ID No. 4) are "double-walled" tanks. They are designed in accordance with UL 142 for steel aboveground atmospheric tanks for flammable and combustible liquids. These tanks are manufactured so that the interstitial space between the inner and outer tank walls can be monitored for the presence of liquid by unscrewing a cap mounted on the leak detection monitoring port on the side of the tanks and a dry rod or similar device inserted to the base of the port. This cap should be removed and the port inspected for the presence of liquid on a monthly basis. The

results should be recorded as part of a visual inspection. The inspection is considered to be an adequate test of the tank's integrity and conforms to good engineering practice and applicable industry standards. Should oil be present in the interstitial space, the cause should be investigated and appropriate repairs implemented.

Based on EPA guidance, with consideration of the specific features of these three diesel fuel tanks, the program of periodic visual inspections is considered to demonstrate equivalent conformance with applicable regulations.

- Single-walled tanks resting on metal saddles are the following:

  - 250-gallon Motor Oil, 250-gallon Hydraulic Oil, and 100-gallon Motor Oil ASTs (Container ID Nos. 4) inside the Mechanic's Shop.

  These tanks are elevated above the ground or above either metal or concrete flooring, are located where they are not likely to be spilled, and are situated where they can be easily inspected. Based on the USEPA guidance discussed previously, with consideration of the specific features of the tank, a program of periodic visual inspections is considered adequate to demonstrate equivalent conformance with applicable regulations.

- Approximately 90 55-gallon drums owned and operated by ASPA (Container ID Nos. 2, 9, and 10) are located outside or inside various buildings at the facility. Drums are stored on wooden pallets for inspection. USEPA guidance provides that visual inspection alone may suffice, subject to good engineering practice, for certain smaller shop-built containers in which:

  - internal corrosion poses minimal risk of failure,
  - which are inspected at least monthly, and
  - for which all sides are visible (i.e., the container has no contact with the ground).

  Based on this USEPA guidance, a program of periodic visual inspections will be performed to demonstrate equivalent conformance with applicable regulations to facilitate monthly inspections. All drums should be secured from tipping and those stored outside should be capped to prevent rainfall from entering. Spill control materials are available in each storage area should they be needed.

5.2 Recordkeeping

The original inspection records required in this section shall be signed and dated by the inspector and maintained in permanent files at the ASPA Environmental & Program

Management office. The SPCC regulations require that all records shall be maintained for a minimum period of three years.

6.0 SECURITY

All storage tanks are contained within the fenced area of the facility. Entrance gates to the facility are guarded 24 hours a day, 7 days a week.

Starter controls on the pumps serving the ASTs with dispensers are kept in the "OFF" position and are accessible only to authorized personnel.

Lighting is strategically placed about the facility so that spills or leaks at bulk storage tanks, valves, pumps, etc. can easily be observed during nighttime hours.

7.0 PERSONNEL, TRAINING, AND DISCHARGE PREVENTION PROCEDURES

The designated person who is responsible for oil spill prevention is Scott Wallace, McDuffie Operations Manager.

Oil-handling personnel shall be instructed in the operation and maintenance of equipment to prevent discharges of oil, discharge procedure protocols, applicable pollution control laws and regulations, general facility operations, and the contents of the SPCC plan.

Formal safety meetings are held regularly to discuss operating procedures, spill prevention, and spill reporting (internal reporting within the facility). Such briefings shall be conducted frequently enough to assure adequate understanding of the SPCC Plan (at least annually), and shall highlight and describe known spill event or failures, malfunctioning components, and recently developed precautionary measures.

Records of personnel training related to this SPCC Plan shall be maintained a minimum of three years.

8.0 SPILL CONTINGENCY PROCEDURES

8.1 General

The purpose of this section is to provide guidance for response actions to be implemented to contain a spill or discharge of oil of any magnitude. The goal of the response actions is to prevent the oil from reaching navigable waters, or any drains, sewers, ditches, etc. that lead to navigable waters. The procedures outlined in this SPCC plan are designed to contain a spill or discharge of oil anywhere in the facility.

8.2 Organizational Responsibilities

Note: See Section 8.3, Emergency Notification Call Lists, for names and contact information.

Employee and Supervisor

Each employee has the responsibility of reporting a spill, seepage, or potential pollution incident (of any size and at any location) to their immediate supervisor. The supervisor shall report the incident to the facility's On-scene Coordinator (OSC) or Alternate OSC.

The employee shall take immediate action to stop source of the spill (i.e. by closing the necessary valves, etc.), as long as no personal danger is involved and if the action (based on training and knowledge of the area) directly relates to his or her job.

If the incident poses an immediate threat to safety or property beyond the capabilities of internal response, the supervisor is responsible for requesting assistance from local emergency response agencies (i.e., Fire Department).

On-scene Coordinator (OSC) and Alternate OSC

The OSC is the ranking individual at the scene of a release incident who coordinates and directs response efforts to control and cleanup the spill. The responsibility for initial emergency response management at the facility lies with the McDuffie Operations Manager, who assumes the role of OSC. In the absence of the McDuffie Operations Manager, the McDuffie Operations Supervisor will act as Alternate OSC. If the McDuffie Operations Manager and McDuffie Operations Supervisor are absent, the facility Person-In-Charge assumes command until relieved by higher management.

The OSC (or alternate) must make an initial determination of the nature, severity, and level of response necessary for the incident. The OSC shall notify Alabama State Port Authority Environmental personnel at the ASPA office, 1400 Alabama State Docks Road, Suite 200, for guidance. The OSC is responsible to issue all required regulatory agency notifications (see Section 8.6). Specifically, the OSC must determine if the spill constitutes a **Reportable Discharge** and provide notification to the **National Response Center** and/or other agencies as required.

Response Team (RT)

The RT performs response actions as directed by the OSC. The RT is composed of designated facility emergency response personnel, who are trained and approved to participate in response actions.

Oil Spill Response Contractors

Oil Spill Response Contractors are outside organizations with specialized capabilities in control and cleanup of oil release incidents. The responsibility for mobilizing an Oil Response Contractor lies with OSC. United States Environmental Services has provided a Letter of Intent (Appendix C) to provide oil spill response at ASPA facilities or assist in obtaining response services from another vendor. The OSC may utilize another Oil Spill Response Contractor at his/her discretion.

8.3 EMERGENCY NOTIFICATION CALL LISTS

Emergency Telephone Call List	
Names	**Emergency Phone Numbers**
Local Police, Fire, and Emergency Services	**911**
ASPA Police Department	**251-441-7777**
National Response Center (NRC) (Mandatory Notification)	**800-424-8802**
Alabama Department of Environmental Management (ADEM), Mobile, AL Field Office	251-450-3400 800-843-0699 (24 Hours, Alabama EMA)
U.S. Environmental Protection Agency Region IV, Atlanta, Georgia	404-562-8700 (24-hours)
Mobile County Emergency Management	251-460-8000
United States Coast Guard Marine Environmental Protection Division	251-441-5286
Local Health Provider: Mobile Infirmary Medical Center 5 Mobile Infirmary Circle, Mobile, AL	251-435-2400

ASPA Emergency Response Management Team				
Contact	**Position**	**Work Phone**	**Home Phone**	**Cell Phone**
Scott Wallace	McDuffie Operations Manager On-Scene Coordinator (OSC)	251-441-7675	251-633-4324	251-422-9069
Scott McAfee	McDuffie Operations Supervisor/ Alternate OSC	251-441-7310	251-626-6136	251-422-3550
Bob Harris	V.P., Environmental & Program Management	251-441-7082	251-621-5611	251-554-6508
Gretchen Barrera	Environmental Section Manager	251-441-7086	832-656-9424	251-622-4180

Oil Spill Response Contractors	
Names	**Emergency Phone Numbers**
United States Environmental Services	(251) 662-3400 24-Hour No. (251) 662-3500
Oil Recovery Company of Alabama	(251) 690-9010
Aaron Oil	(251) 479-1616 or 675-7777

8.4 Immediate Response Action Procedures

In the event of a spill, the first priority is to provide medical first aid and health/safety assistance to affected personnel. The individual or individuals first observing a spill should then take immediate actions to control the spill, if such actions are practical, taking into account personal safety.

Personnel immediately on the scene must act appropriately but not recklessly. Personnel should not enter into a situation involving imminent risk to human health or life. In all instances, common sense, good judgment, training, and experience should prevail.

After immediate actions have been taken to ensure personal safety, control the spill source, and contain the spill (if possible). Additional response actions, including cleanup and disposal options, will depend on specific factors associated with the incident, such as quantity and type of materials, whether it is contained on-site, whether it poses imminent risks to human health or the environment, and so forth.

The following are general steps to follow in the event of a spill incident.

1. Provide medical first aid and health/safety assistance to affected individuals and implement safety and spill control measures for the area (if practical, without further endangerment of additional personnel). Eliminate the source of the spill or release (shut-off controls, valves, etc.), if it can be done safely.

2. The person discovering the spill should notify his/her supervisor.

3. Identify the spilled material type and quantity, and assess severity of the emergency. Depending on the situation, notify local fire and emergency agencies.

4. Isolate the area from other activity, if necessary. Identify other potential

hazards in the spill area.

5. Notify the facility OSC or Alternate OSC. The OSC or alternate is responsible for regulatory agency notifications (if required), notification to ASPA environmental managers, and to mobilize an Oil Spill Response Contractor if needed.

6. If the spill is minor and response is within the facility's capabilities, assemble Response Team (RT) and direct RT clean-up. Assure that appropriate Personal Protective Equipment (PPE) is worn by the RT.

7. The RT will contain the spill (for example using temporary berms, or diversion ditches) to as small an area as possible, and prevent it from leaving facility boundaries. Select appropriate cleanup procedures and materials and arrange for appropriate disposal. Disposal methods must be in accordance with all applicable state and federal regulations. Disposal should be coordinated with the ASPA Environmental & Program Management to assure disposal is in accordance with internal policy and with applicable regulations.

8. Prepare and submit after-incident reports.

In the case of all spills, handling of contaminated materials and/or attempting to stop releases, restrict all sources of ignition and wear appropriate PPE. When a spill does occur, the Material Safety Data Sheet (MSDS) should be consulted to determine appropriate personnel protection requirements.

8.5 Facility Response Equipment

The following table lists equipment available at the facility for responding to small spills.

Response Equipment

- Spill Kits - rolls and pads of absorbent material, absorbent boom, Oil-Dri or similar, disposable hazmat bags
- Personal Protective Equipment - hard hats, shields, chemical resistant suits, boots, gloves, and eye protection
- Fire Extinguishers

Additional heavy earth moving equipment such as a front-end loaders, bulldozers, and backhoes, may be available (depending on their current deployment at the time of the spill) for spill containment, disposal, and cleanup.

8.6 Regulatory Notification and Reporting Procedures

8.6.1 Oil Spill Notifications

There is no quantitative definition that triggers reporting requirements for an oil spill. A **Reportable Spill** for Federal regulatory requirements is defined in 40 CFR 110 as "a discharge of such quantities of oil into or upon the navigable waters of the United States or adjoining shorelines determined to be harmful to the public welfare of the United States . . . to include discharges which violate applicable water quality standards or cause a film or sheen upon or discoloration of the surface of the water or adjoining shorelines, or cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines."

Therefore, in order to determine whether an oil spill requires Federal notification, it must be determined whether the oil has entered (or poses a threat to enter) navigable waters of the United States. The definition of "navigable waters of the United States" (which may be found in 40 CFR 110) is very broad. In general, it includes nearly all surface waters, tributaries (including intermittent streams), and adjacent wetlands. As a matter of practice, Federal notification is likely required for any oil spill that has migrated off-site by surface drainage (or threatens to migrate off-site) and/or has entered a storm drain that flows off-site.

An oil spill that requires Federal notification must be reported to the National Response Center (NRC). This notification must be done as soon as possible after the spill is discovered.

An example notification form containing information required for NRC notification is contained in Appendix D. It is not necessary to compile all information before calling NRC.

In addition, the State of Alabama includes groundwater in the definition of the "waters of the State," and discharge of oil into groundwater would constitute a reportable spill to the State. Therefore, an oil spill incident that enters soil and threatens to reach groundwater may require state notification (but not necessarily Federal notification).

Oil spill incidents requiring state notification must be reported to the Alabama Department of Environmental Management (ADEM).

8.6.2 Post-spill reporting

Whenever more than 1,000 gallons of oil are discharged into navigable waters in a single incident, or more than 42 gallons of oil are discharged in each of two incidents occurring within any 12-month period, a written report must be submitted to the USEPA Regional Administrator:

US Environmental Protection Agency
Region 4
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303-3104
(404) 562-8651

This report must also be sent to the state agency responsible for oil pollution control activities:

Alabama Department of Environmental Management
Field Operations Division
P.O. Box 301463
Montgomery, AL 36130-1463
(334) 394-4382

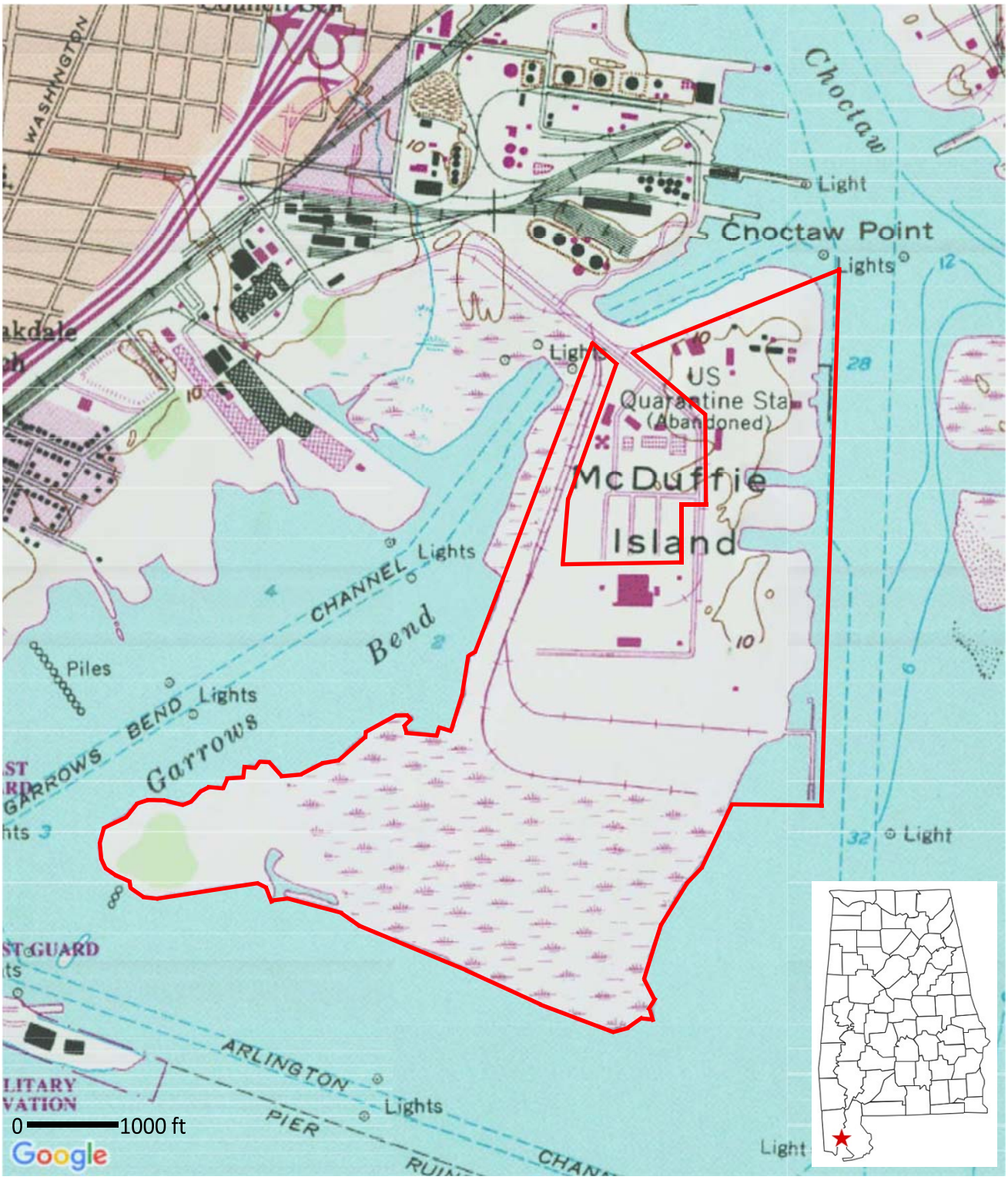
These requirements are defined in 40 CFR 112.4. The report must contain the following:

- Name of facility
- Name(s) of the owner or operator of the facility
- Location of the facility
- Maximum storage or handling capacity of the facility and normal daily throughput
- An adequate description of the facility, including maps, flow diagrams, and topographical maps (provide a complete copy of the SPCC plan)
- The cause(s) of such discharges, including a failure analysis of system or subsystem in which the failure occurred
- Corrective actions and/or countermeasures taken, including a description of equipment repairs and/or replacements
- Additional preventive measure(s) taken or contemplated to minimize the possibility of recurrence
- Such other information as the Regional Administrator may reasonably require as pertinent to the plan or discharge

Table 1 - Aboveground Oil Storage Container Inventory

ID No.	Owner	Area or Location	Container Contents or Equipment Description	Container Volume (gallons)	Secondary Containment?	Dike Net Volume (gallons)	Comments and Prediction of Oil Discharge
1	ASPA	1901 Entrance Gate	Caterpillar Diesel Generator	1,650	Yes	1,831	Spill would flow south into McDuffie Import Yard
2	ASPA	Southeast of McDuffie Import Yard	Gasoline AST	1,000	Yes, Double Walled Tank	N/A	East Towards Depression in Yard
3	ASPA	Southeast of McDuffie Import Yard	Diesel Fuel AST	3,000	Yes, Double Walled Tank	N/A	East Towards Depression in Yard
4	ASPA	Mechanics Shop	Used Oil AST Motor Oil AST Hydraulic Oil AST Motor Oil AST Drums of New Motor Oil, Hydraulic Oil, and Grease	280 250 250 100 11*55 Gallon Drums (1,485 Total)	Yes, Double Walled Tank Yes, Drains to O/W Separator Yes, Drains to O/W Separator Yes, Drains to O/W Separator Yes, Drains to O/W Separator	N/A N/A N/A N/A N/A	Four drains in concrete floor flows to O/W separator, located on the southwest cornor of the building.
5	ASPA	Oil Shed (Bldg. 112146C), Inside Bldg.	Unused Motor Oils, Hydraulic Oils, Lube Oils, and Grease Drums. Used Oil Drums; All 55 Gallon Drums	Max 55*55 Gallon Drums (3,025 Gallons Total)	Yes, Drains to O/W Separator	N/A	Spills from these drums would flow into circular drain in concrete floor inside bldg. then into O/W separator.
6	ASPA	Oil Shed (Bldg. 112146C), Outside Bldg.	11 Empty Hydraulic Oil Drums under Lean-To Cover, Uncovered are 1 drum for Grease-Laden Gloves and 6 New Grease Drums. All 55 Gallon Drums.	Max 18*55 Gallon Drums (990 Gallons Total)	Yes, Drains to O/W Separator	N/A	Spills from these drums would flow south into drainage ditch, then into O/W separator.
7	ASPA	West side of McDuffie Coal Terminal, 250 ft. NE of Car Dumper No. 1.	Diesel Fuel AST Gasoline AST	10,000 8,000 (18,000 Gallon Total)	Yes, Double Walled Tank Yes, Double Walled Tank	N/A N/A	Spills from these tanks would flow east into ditch then south into south pumping station holding pond.
8	ASPA	Southwest corner of the facility near the coal spoil area	Diesel Fuel AST	550	Yes, Double Walled Tank	N/A	Spills would flow south into the south pumping station holding pond.
9	ASPA	Entire Facility; When not in use, trucks are parked at 1901 in fenced area	4 Trucks Containing 1-55 Gallon Grease Drum	4*55 Gallon Drums in Beds of Grease Trucks	Exempt as mobile refueler	N/A	Spills of up to 55 gallons. Because units are mobile prediction of direction of flow is not possible.
			Total ASPA Container Volume (Gallons):	**29,920**			
A	G.A. West	McDuffie Import Yard, North and East of Main Facility	Diesel Fuel AST	1,000	Yes, Double Walled Tank	N/A	East towards depression in yard
B	G.A. West	McDuffie Import Yard, North and East of Main Facility	Truck-mounted Diesel Fuel Tank	500	Exempt as mobile refueler	N/A	East towards depression in yard

C	G.A. West	McDuffie Import Yard, North and East of Main Facility	Portable Gasoline Tank	55	Exempt as mobile refueler	N/A	East towards depression in yard
D	G.A. West	McDuffie Import Yard, North and East of Main Facility	3 Trucks Containing 84 Gallon Diesel Refueling Cells	84 84 84	Exempt as mobile refueler	N/A	Spills of up to 84 gallons. Because units are mobile, prediction of direction of flow is not possible.
E	Coal Freight Forwarding	Entire Facility; When not in use, trucks are parked at 1901 in fenced area	(2) 250 Gallon trailer mounted Diesel Fuel Tanks	250 250	Yes, Double Walled Tank	N/A	Spills of up to 250 Gallons. Because units are mobile, prediction of direction of flow is not possible.
F	Coal Freight Forwarding	West side of McDuffie Coal Export Yard	Diesel Fuel AST	10,000	Yes, Metal Dike	11,534	Spills would flow south into south pumping station holding pond.
G	Coal Freight Forwarding	West side of McDuffie Coal Export Yard	1*55 Gallon Fuel Improver Drums	55	Yes, Containment Pallet	No	Spills of up to 55 gallons. Contained in pallet.
H	Coal Freight Forwarding	Southwest corner of McDuffie Coal Terminal property, outside of Coal Freight Forwarding Shop	Motor Oil Tote	250	No, Single Walled	N/A	Spills from these tanks would flow east into ditch then south into south pumping station holding pond.
I	Coal Freight Forwarding	Southwest corner of McDuffie Coal Terminal property, outside of Coal Freight Forwarding Shop	Used Oil AST	2,000	Yes, Metal Dike	5,568	Spills would flow west into ditch then south into south pumping station holding pond.
J	Coal Freight Forwarding	Southwest corner of McDuffie Coal Terminal property, outside of Coal Freight Forwarding Shop	Used Oil AST	100	Yes, Metal Dike	478	Spills would flow west into ditch then south into south pumping station holding pond.
K	Coal Freight Forwarding	Southwest corner of McDuffie Coal Terminal property, inside of Coal Freight Forwarding Shop	Hydraulic Tank	550	Yes, Double Walled Tank	N/A	Spills would flow west into ditch then south into south pumping station holding pond.
L	Coal Freight Forwarding	Southwest corner of McDuffie Coal Terminal property, inside and outside of Coal Freight Forwarding Shop	Lube Oil Drums	Max 14*55 Gallon Drums (770 Gallons Total)	No	N/A	Spills would flow west into ditch then south into south pumping station holding pond.



Alabama State Port Authority
McDuffie Island Coal Terminal SPCC Plan
Figure 1 – Site Vicinity Map

N

Alabama State Port Authority
McDuffie Island Coal Terminal SPCC Plan
Figure 2 - Aerial Map

N

LEGEND

- WATER FLOW
- PIPELINE
- RR TRACKS
- STORM DRAIN
- INLET
- TANKS OR DRUMS (REFER TO TABLE 1 FOR DESCRIPTION)

SOUTHWEST PUMP STATION
8
SOUTH PUMP STATION
BARGE UNLOADER
NORTH GARROWS BEND
H-L
F, G
Coal Freight Forwarding
BARGE UNLOADER
TUGBOAT DOCK
7
DETENTION POND
NORTHWEST PUMP STATION
SEDIMENTATION BASINS
COAL STOCKPILE, TYP.
McDUFFIE EXPORT
CITY OF MOBILE SEWAGE TREATMENT PLANT
OUTFALL 001E
5, 6
OIL SHED
DETENTION PONDS
4
1
OFFICES
MECHANIC'S SHOP
E
MOBILE BAY
McDUFFIE IMPORT
G.A. West
A, B, C, D
2, 3
(FORMER CORUS FACILITY)
9
CHOCTAW POINT TERMINAL (UNDER DEVELOPMENT)
APRROXIMATE SHORE LINE
SOUTHEAST PUMP STATION
TEMPORARY SUMP & PUMP
MOBILE RIVER
NORTHEAST PUMP STATION
PIER AND BULKHEAD LINE
TOP OF CHANNEL
MOBILE SHIP CHANNEL

- ASPA Bulk Storage Containers
Letter - Bulk Storage Owned by Others

0 FT 250 FT 500 FT 1000 FT
GRAPHIC SCALE

NOTE:
THE INFORMATION DEPICTED IS INTENDED TO PROVIDE VISUAL AID WITHIN THE CONTEXT OF THIS REPORT AND SHOULD NOT BE USED AS A SOLE REFERANCE IN PRECISE DIMENSIONING OF FEATURES INDICATED.

thompson ENGINEERING

SPCC PLAN
McDUFFIE ISLAND COAL TERMINAL
ALABAMA STATE PORT AUTHORITY
MOBILE, ALABAMA

FIGURE 3
STORAGE CONTAINER LOCATION AND SITE DRAINAGE PLAN

PROJECT NO: 07-2116-0157
DATE: Updated 2017

Plotted on: Nov 13, 2007 - 9:12am
Drawing name: P:\2007\2116\07-2116-0157 - ASPA - McDuffie NPDES Renewal\Drawings\STORAGE CONTAINER PLAN.dwg

APPENDIX A

CERTIFICATION OF THE APPLICABILITY OF SUBSTANTIAL HARM CRITERIA

Certification of the Applicability of Substantial Harm Criteria
[40 C FR 112, Appendix C, Attachment C-II]

FACILITY NAME: ALABAMA STATE PORT AUTHORITY - MCDUFFIE COAL TERMINAL

Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?

Yes No ☒

Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and, within any storage area, does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation?

Yes No ☒

Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in Appendix C or a comparable formula) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?

Yes No ☒

Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance (as calculated using the appropriate formula in Appendix C or a comparable formula) such that a discharge from the facility would shut down a public drinking water intake?

Yes No ☒

Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last five years?

Yes No ☒

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining information, I believe that the submitted information is true, accurate and complete.

Signature: _____

Name (Please type or print): Robert C. Harris, Jr., P.E.

Title: VP, Environmental & Program Management, Alabama State Port Authority

Date: 3/29/17

Notes:

- Explanations of terms can be found in Appendix C to 40 CFR 112. If a comparable formula to the ones contained in Attachment C-III is used to establish the appropriate distance to fish and wildlife and sensitive environments or public drinking water intakes, documentation of the reliability and analytical soundness of the formula must be attached to this form.
- For further description of fish and wildlife and sensitive environments, see Appendix I, II and III to DOC/NOAA's "Guidance for Facility and Vessel Response Plan: Fish and Wildlife and Sensitive Environments" (see Appendix E to 40 CFR 112, section 10, for availability) and the applicable Area Contingency Plan.

APPENDIX B

INSPECTION PROCEDURES AND REPORT FORMS

PROCEDURE FOR BULK OIL STORAGE CONTAINER INSPECTIONS

1. Visual Inspection Criteria:

Item	Things to Look For During the Inspection
Diked areas around containers	Debris inside the diked area, oil spills or leaks, cracks in the dike walls or base, physical damage to outside of walls from vehicles, foundation settlement. Drain valve from dike should be free of debris and sediment, and locked in closed position.
Container Condition (incl. Support Structure if applicable)	Physical damage, corrosion, leaks, spills, cracks. Fill port should be closed and container labeled.
Valves, piping, connections, etc.	Condition of valves, piping, connections, hoses, etc. Is there evidence of deterioration or damage? Is there evidence of spills or leakage?

2. Frequency: The frequency of inspections shall be monthly.

3. Records: Inspections are recorded on standard forms, see attached.

BULK OIL STORAGE CONTAINER INSPECTION REPORT

Inspection Report for: _____ _____
Month Year

Indicate if satisfactory by checking table with response of Yes, No, or NA (not applicable). See instructions in SPCC Plan Appendix C.

ID No.	Area or Location	Container Contents or Equipment Description	Container Volume (gallons)	Container Condition (incl. Support Structure) satisfactory?			Diked Area around tank satisfactory?			Valves, Piping, Connections, etc. Satisfactory?		
				Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
1	1901 Entrance Gate	Caterpillar Diesel Generator	1,650						X			
2	Southeast of McDuffie Import Yard	Gasoline AST	1,000						X			
3	Southeast of McDuffie Import Yard	Diesel Fuel AST	3,000						X			
4	Mechanics Shop	Used Oil AST Motor Oil AST Hydraulic Oil AST Motor Oil AST Drums of New Motor Oil, Hydraulic Oil, and Grease	280 250 250 100 11*55 Gallon Drums (1,205 Total)						X			
5	Oil Shed, Inside Bldg.	Unused Motor Oils, Hydraulic Oils, Lube Oils, and Grease Drums. Used Oil Drums; All 55 Gallon Drums	Max 55*55 Gallon Drums (3,025 Gallons Total)						X			
6	Oil Shed, Outside Bldg.	Empty Hydraulic Oil Drums under Lean-To Cover, Uncovered are 1 drum for Grease-Laden Gloves and New Grease Drums. All 55 Gallon Drums.	Max 18*55 Gallon Drums (990 Gallons Total)						X			

ID No.	Area or Location	Container Contents or Equipment Description	Container Volume (gallons)	Container Condition (incl. Support Structure) satisfactory?			Diked Area around tank satisfactory?			Valves, Piping, Connections, etc. Satisfactory?		
				Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
7	West side of McDuffie Coal Terminal, 250 ft. NE of Car Dumper No. 1.	Diesel Fuel AST Gasoline AST	10,000 8,000 (18,000 Gallon Total)						X			
8	Southwest corner of the facility near the coal spoil area	Diesel Fuel AST	550						X			
9	Entire Facility; When not in use, trucks are parked at 1901 in fenced area	4 Trucks Containing 1-55 Gallon Grease Drum	4*55 Gallon Drums in Beds of Grease Trucks						X			

BULK OIL STORAGE CONTAINER INSPECTION REPORT

Comments (describe deficiencies noted, action items that need to be taken, etc. Reference Container ID number). All "No" responses will require an answer.

_____

_____

_____

_____

_____

_____

_____

_____

_____

Inspection Performed by:

_____	_____	_____
Print Name	Signature	Date

Distribution: *Submit original completed form to Gretchen Barrera for permanent file retention.*

APPENDIX C

NOTIFICATION OF INTENT FROM UNITED STATES ENVIRONMENTAL SERVICES

UNITED STATES ENVIRONMENTAL SERVICES
Industrial | Response & Remediation | Maritime

February 21st, 2017

Alabama State Port Authority
P.O. Box 1588
Mobile, AL 36633
Attn: Ms. Gretchen Barrera

Re: Letter of Intent

United States Environmental Services, L.L.C. (USES), appreciates the opportunity to be your spill response contactor. USES is a Coast Guard-classified Oil Spill Response Organization (OSRO), and we comply with National Preparedness for Response Exercise guidelines (PREP).

This letter serves as an agreement between USES an oil and hazardous materials response contactor, and the Alabama State Port Authority, that, in the event of discharge, oil or hazardous material, land or water from any of Alabama State Port Authority facilities' located in the USES response areas, USES will provide services in accordance with the requirements of the Oil Pollution Act 1990. In the event that USES's resources are already committed to another incident, USES will assist you in obtaining response services from another contractor.

USES will provide assistance in all matters concerning oil spill and hazardous materials response, which includes tabletop drills, deployment exercises and meetings to develop strategies to help in planning. USES's personnel are all 40-hour HAZWOPER, OSHA trained in oil and hazardous materials response. USES considers Health and Safety our number one priority.

If you should have any questions or require additional information, please give me a call at our 24-hour emergency call number (251) 662-3500.

Sincerely,

Justin Plant
Division Manager

APPENDIX D

NOTIFICATION FORM FOR REPORTABLE SPILLS

NOTIFICATION FORM FOR REPORTABLE SPILL TO THE NATIONAL RESPONSE CENTER (NRC)*

INVOLVED PARTIES	
(A) Reporting Party	(B) Suspected Responsible Party
Names:	Names:
Phones: ( )	Phones: ( )
Company:	Company:
Position: Address	Organization Type: Private citizen Private enterprise Public utility Local government State government Federal government
City:	City:
State	State:
Zip	Zip:

Were Materials Released (Y/N)?

Calling for Responsible Party (Y/N)?

INCIDENT DESCRIPTION

Source and/or Cause of Incident:_____ **Weather Conditions:**_____

Date:____/_____/_____ **Time:**_____

Cause:_____

Incident Address/Location:_____ **Nearest City:**_____
Distance from City:_____

Storage Tank Container Type - Aboveground (Y/N) **Underground (Y/N)** **Unknown**

Tank Capacity:_____**Facility Capacity:**_____
Latitude Degrees:_____**Longitude Degrees:**_____**Mile Post or River Mile:**_____

MATERIALS

Released Quantity: _____ **Released Material:**_____
Quantity in Water: _____ **Unit of Measure:** _____

REMEDIAL ACTION

Actions Taken to Correct or Mitigate Incident:_____
_____
_____

IMPACT

Number of Injuries: _____ **Number of Fatalities:**_____
Were There Evacuations (Y/N/U)? _____ **Number Evacuated:**_____
Was there any Damage (Y/N/U)? _____ **Damage in Dollars:**_____

ADDITIONAL INFORMATION

Any information about the incident not recorded elsewhere in the report:

CALLER NOTIFICATIONS

EPA **STATE** **USCG** **OTHER (DESC)**

*[This form summarizes information to be reported to NRC. It is not necessary to wait for all information before calling NRC.]