EDWARD F. POOLOS
DIRECTOR

JEFFERY W. KITCHENS
DEPUTY 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

OCT 2 7 2026

LTC DUSTIN P. CHASSE
TRAINING CENTER DIRECTOR
ALABAMA ARMY NATIONAL GUARD – CLARKE RANGE
PO BOX 5280 BUILDING 1060
FORT MCCLELLAN, AL 36205

RE: REVISED DRAFT PERMIT
NPDES PERMIT NUMBER AL0083941

Dear Lieutenant Colonel Chasse:

Transmitted herein is a draft of the referenced permit.

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

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

Our records indicate that you have utilized the Department's web-based electronic environmental (E2) reporting system for submittal of discharge monitoring reports (DMRs). The Department transitioned from the E2 Reporting System to the Alabama Environmental Permitting and Compliance System (AEPACS) for the submittal of DMRs on November 15, 2021. AEPACS is an electronic system that allows facilities to apply for and maintain permits as well as submit other required applications, registrations, and certifications. In addition, the system allows facilities to submit required compliance reports or other information to the Department. The Department has used the E2 User account information to set up a similar User Profile in AEPACS based on the following criteria:

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

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

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

If you have questions regarding this permit or monitoring requirements, please contact Muhammad Mehmood by e-mail at **muhammad.mehmood@adem.alabama.gov** or by phone at **(334) 279-3065.**

Sincerely,

Scott Jackson, Chief
Industrial Section
Industrial/Municipal Branch
Water Division

Enclosure: Draft Permit

pc via website: Montgomery Field Office
EPA Region IV
U.S. Fish & Wildlife Service
AL Historical Commission
Advisory Council on Historic Preservation
Department of Conservation and Natural Resources

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 ARMY NATIONAL GUARD

FACILITY LOCATION: CLARKE RANGE
GATE 3 ROAD, BUILDING 8406
ALEXANDRIA, ALABAMA 36250
CALHOUN COUNTY

PERMIT NUMBER: AL0083941

RECEIVING WATERS: 001 - CANE CREEK
003 - UNNAMED TRIBUTARY TO CANE CREEK
004 - UNNAMED TRIBUTARY TO CANE CREEK
005 - UNNAMED TRIBUTARY TO CANE CREEK
006 - UNNAMED TRIBUTARY TO CANE CREEK
007 - UNNAMED TRIBUTARY TO CANE CREEK

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

ISSUANCE DATE:

EFFECTIVE DATE:

EXPIRATION DATE:

DRAFT

Alabama Department of Environmental Management
Water Division Chief

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PART I: DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

DSN001Q: Storm water and wash water from equipment maintenance and washing from UTES #1

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 the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency[2]	Sample Type[1]	Seasonal
pH (00400) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	8.5 Maximum Daily	S.U.	Quarterly	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Quarterly	Grab	All Months
Phosphorus, Total (As P) (00665) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months
Toluene (34010) Effluent Gross Value	*****	*****	*****	*****	*****	8723 Maximum Daily	ug/l	Quarterly	Grab	All Months
Benzene (34030) Effluent Gross Value	*****	*****	*****	*****	*****	15.5 Maximum Daily	ug/l	Quarterly	Grab	All Months
Ethylbenzene (34371) Effluent Gross Value	*****	*****	*****	*****	*****	1244 Maximum Daily	ug/l	Quarterly	Grab	All Months
Naphthalene (34696) Effluent Gross Value	*****	*****	*****	*****	*****	620 Maximum Daily	ug/l	Quarterly	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Quarterly	Instantaneous	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1 Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

DSN001Q (Continued): Storm water and wash water from equipment maintenance and washing from UTES #1 3/ 4/

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 the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency[2]	Sample Type[1]	Seasonal
Chlorine, Total Residual (50060) 5/ Effluent Gross Value	*****	*****	*****	*****	*****	1.0 Maximum Daily	mg/l	Quarterly	Grab	All Months
Xylene (81551) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	ug/l	Quarterly	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

5/ A measurement of Total Residual Chlorine below 0.05 mg/l shall be considered in compliance with the permit limitations above and should be reported as *B on the discharge monitoring reports.

DSN003S, DSN004S, DSN005S and DSN006S: Storm water from the Horizontal Engineering Training Area 3/ 4/ 5/

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 the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency[2]	Sample Type[1]	Seasonal
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Monthly Average	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

5/ Outfall DSN003S has been deemed representative of outfalls DSN004S, DSN005S and DSN006S. Monitoring is only required at DSN003S.

DSN007S: Storm water from the Rock Crusher Training Area 3/ 4/

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 the outfall(s) listed above and described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency[2]	Sample Type[1]	Seasonal
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Monthly Average	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

B. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

1. Representative Sampling

Samples and measurements 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.

2. Test Procedures

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

a. For parameters with an EPA established Minimum Level (ML), report the measured value if the analytical result is at or above the ML and report "0" for values below the ML. Test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 and guidelines published pursuant to Section 304(h) of the FWPCA, 33 U.S.C. Section 1314(h). If more than one method for analysis of a substance is approved for use, a method having a minimum level lower than the permit limit shall be used. If the minimum level of all methods is higher than the permit limit, the method having the lowest minimum level shall be used and a report of less than the minimum level shall be reported as zero and will constitute compliance; however, should EPA approve a method with a lower minimum level during the term of this permit the permittee shall use the newly approved method.

b. For pollutants parameters without an established ML, an interim ML may be utilized. The interim ML shall be calculated as 3.18 times the Method Detection Level (MDL) calculated pursuant to 40 CFR Part 136, Appendix B.

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

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

c. For parameters without an EPA established ML, interim ML, or matrix-specific ML, a report of less than the detection limit shall constitute compliance if the detection limit of all analytical methods is higher than the permit limit 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 A and B above shall be reported on the permittee's DMR. When an EPA approved test procedure for analysis of a pollutant does not exist, the Director shall approve the procedure to be used.

3. Recording of Results

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

a. The facility name and location, point source number, date, time and exact place of sampling;

b. The name(s) of person(s) who obtained the samples or measurements;

c. The dates and times the analyses were performed;

d. The name(s) of the person(s) who performed the analyses;

e. The analytical techniques or methods used, including source of method and method number; and

f. The results of all required analyses.

4. Records Retention and Production

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the above reports or the application for this permit, for a period of at least three years from the date of the sample measurement, report or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director or his designee, the

permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records shall not be submitted unless requested.

All records required to be kept for a period of three years shall be kept at the permitted facility or an alternate location approved by the Department in writing and shall be available for inspection.

5. 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.

C. DISCHARGE REPORTING REQUIREMENTS

1. Reporting of Monitoring Requirements

a. The permittee shall conduct the required monitoring in accordance with the following schedule:

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.

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 it should be submitted with the last DMR due for the quarter, i.e., (March, June, September and December DMR's).

SEMIANNUAL MONITORING shall be conducted at least once during the period of January through June and at least once during the period of July through December. The permittee shall conduct the semiannual monitoring during the first complete calendar semiannual period following the effective date of this permit and is then required to monitor once during each semiannual period thereafter. Semiannual monitoring may be done anytime during the semiannual period, unless restricted elsewhere in this permit, but it should be submitted with the last DMR for the month of the semiannual period, i.e. (June and December DMR's).

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 submitted with the December DMR.

b. The permittee shall submit discharge monitoring reports (DMRs) on the forms provided by the Department and in accordance with the following schedule:

REPORTS OF MORE FREQUENTLY THAN MONTHLY AND MONTHLY TESTING shall be submitted on a **monthly** basis. The first report is due on the **28th day of (MONTH, YEAR).** The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF QUARTERLY TESTING shall be submitted on a **quarterly** basis. The first report is due on the **28th day of [Month, Year].** The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF SEMIANNUAL TESTING shall be submitted on a semiannual basis. The reports are due on the 28th day of JANUARY and the 28th day of JULY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF ANNUAL TESTING shall be submitted on an annual basis. The first report is due on the 28th day of JANUARY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

c. Except as allowed by Provision I.C.1.c.(1) or (2), the permittee shall submit all Discharge Monitoring Reports (DMRs) required by Provision I.C.1.b electronically.

(1) If the permittee is unable to complete the electronic submittal of DMR data due to technical problems originating with the Department's electronic system (this could include entry/submittal issues with an entire set of DMRs or individual parameters), the permittee is not relieved of their obligation to submit DMR data to the Department by the date specified in Provision I.C.1.b, unless otherwise directed by the Department.

If the Department's electronic system is down on the 28th day of the month in which the DMR is due or is down for an extended period of time, as determined by the Department, when a DMR is required to be submitted, the permittee may submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include faxing, e-mailing, mailing, or hand-delivery of data such that they are received by the required reporting date. Within 5 calendar days of the Department's electronic system resuming operation, the permittee shall enter the data into the Department's electronic system, unless an alternate timeframe is approved by the Department. A comment should be included on the electronic DMR submittal verifying the original submittal date (date of the fax, copy of the dated e-mail, or hand-delivery stamped date), if applicable.

(2) The permittee may submit a request to the Department for a temporary electronic reporting waiver for DMR submittals. The waiver request should include the permit number; permittee name; facility/site name; facility address; name, address, and contact information for the responsible official or duly authorized representative; a detailed statement regarding the basis for requesting such a waiver; and the duration for which the waiver is requested. Approved electronic reporting waivers are not transferrable.

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 Provision I.C.1.e.

(3) If a permittee is allowed to submit a hard copy DMR, the DMR must be legible and bear an original signature. Photo and electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this permit.

(4) If the permittee, using approved analytical methods as specified in Provision I.B.2, monitors any discharge from a point source for a limited substance identified in Provision I.A. of this permit more frequently than required by this permit, the results of such monitoring shall be included in the calculation and reporting of values on the DMR and the increased frequency shall be indicated on the DMR.

(5) In the event no discharge from a point source identified in Provision I.A. of this permit and described more fully in the permittee's application occurs during a monitoring period, the permittee shall report "No Discharge" for such period on the appropriate DMR.

d. All reports and forms required to be submitted by this permit, the AWPCA and the Department's Rules, shall be electronically signed (or, if allowed by the Department, traditionally signed) by a "responsible official" of the permittee as defined in ADEM Administrative Code Rule 335-6-6-.09 or a "duly authorized representative" of such official as defined in ADEM Administrative Code Rule 335-6-6-.09 and shall bear the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

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

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

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

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

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

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

Certified and Registered Mail shall be addressed to:

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

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

2. Noncompliance Notification

a. 24-Hour Noncompliance Reporting

The permittee shall report to the Director, within 24-hours of becoming aware of the noncompliance, any noncompliance which may endanger health or the environment. This shall include but is not limited to the following circumstances:

(1) does not comply with any daily minimum or maximum discharge limitation for an effluent characteristic specified in Provision I. A. of this permit which is denoted by an "(X)";

(2) threatens human health or welfare, fish or aquatic life, or water quality standards;

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

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

(5) exceeds any discharge limitation for an effluent characteristic as a result of an unanticipated bypass or upset; and

(6) is an unpermitted direct or indirect discharge of a pollutant to a water of the state (unpermitted discharges properly reported to the Department under any other requirement are not required to be reported under this provision).

The permittee shall orally report the occurrence and circumstances 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 report, the permittee shall submit to the Director or Designee a written report as provided in Part I.C.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 to the Director or Designee a written report as provided in Part I.C.2.c below, such report shall be submitted with the next Discharge Monitoring Report required to be submitted by Part I.C.1 of this permit after becoming aware of the occurrence of such noncompliance.

c. Any written report required to be submitted to the Director or Designee by Part I.C.2 a. or b. shall be submitted using a Noncompliance Notification Form (ADEM Form 421) available on the Department's website (http://adem.alabama.gov/DeptForms/Form421.pdf) and include 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.

D. OTHER REPORTING AND NOTIFICATION REQUIREMENTS

1. Anticipated Noncompliance

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

2. Termination of Discharge

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

3. Updating Information

a. The permittee shall inform the Director of any change in the permittee's mailing address, telephone number or in the permittee's designation of a facility contact or office having the authority and responsibility to prevent and abate violations of the AWPCA, the Department's Rules, and the terms and conditions of this permit, in writing, no later than ten (10) days after such change. Upon request of the Director or his designee, the permittee shall furnish the Director with an update of any information provided in the permit application.

b. If the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information with a written explanation for the mistake and/or omission.

4. Duty to Provide Information

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

5. Cooling Water and Boiler Water Additives

a. The permittee shall notify the Director in writing not later than thirty (30) days prior to instituting the use of any biocide corrosion inhibitor or chemical additive in a cooling or boiler system, not identified in the application for this permit, from which discharge is allowed by this permit. Notification is not required for additives that do not contain a heavy metal(s) as an active ingredient and that pass through a wastewater treatment system prior to discharge nor is notification 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:

(1) name and general composition of biocide or chemical;

(2) 96-hour median tolerance limit data for organisms representative of the biota of the waterway into which the discharge will ultimately reach;

(3) quantities to be used;

(4) frequencies of use;

(5) proposed discharge concentrations; and

(6) EPA registration number, if applicable.

b. The use of a biocide or additive containing tributyl tin, tributyl tin oxide, zinc, chromium or related compounds in cooling or boiler system(s), from which a discharge regulated by this permit occurs, 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.

6. Permit Issued Based on Estimated Characteristics

a. If this permit was issued based on estimates of the characteristics of a process discharge reported on an EPA NPDES Application Form 2D (EPA Form 3510-2D), the permittee shall complete and submit an EPA NPDES Application Form 2C (EPA Form 3510-2C) no later than two years after the date that discharge begins. Sampling required for completion of the Form 2C shall occur when a discharge(s) from the process(s) causing the new or increased discharge is occurring. If this permit was issued based on estimates concerning the composition of a stormwater discharge(s), the permittee shall perform the sampling required by EPA NPDES Application Form 2F (EPA Form 3510-2F) no later than one year after the industrial activity generating the stormwater discharge has been fully initiated.

b. This permit shall be reopened if required to address any new information resulting from the completion and submittal of the Form 2C and or 2F.

E. SCHEDULE OF COMPLIANCE

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

COMPLIANCE SHALL BE ATTAINED ON THE EFFECTIVE DATE OF THIS PERMIT

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

PART II: OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. OPERATIONAL AND MANAGEMENT REQUIREMENTS

1. Facilities Operation and Maintenance

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

2. Best Management Practices

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

b. The permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 C.F.R. Section 112 if required thereby.

c. The permittee shall prepare, submit for approval and implement a Best Management Practices (BMP) Plan for containment of any or all process liquids or solids, in a manner such that these materials do not present a significant potential for discharge, if so required by the Director or his designee. When submitted and approved, the BMP Plan shall become a part of this permit and all requirements of the BMP Plan shall become requirements of this permit.

3. Spill Prevention, Control, and Management

The permittee shall provide spill prevention, control, and/or management sufficient to prevent any spills of pollutants from entering a water of the state or a publicly or privately owned treatment works. Any containment system used to implement this requirement shall be constructed of materials compatible with the substance(s) contained and which shall prevent the contamination of groundwater and such containment system shall be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided.

B. OTHER RESPONSIBILITIES

1. Duty to Mitigate Adverse Impacts

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

2. Right of Entry and Inspection

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

a. enter upon the permittee's premises where a regulated facility or activity or point source is located or conducted, or where records must be kept under the conditions of the permit;

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

c. inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the permit; and

d. sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the AWPCA, any substances or parameters at any location.

C. BYPASS AND UPSET

1. Bypass

a. Any bypass is prohibited except as provided in b. and c. below:

b. A bypass is not prohibited if:

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

(2) It enters the same receiving stream as the permitted outfall; and

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

c. A bypass is not prohibited and need not meet the discharge limitations specified in Provision I. A. of this permit if:

(1) It is unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime (this condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance); and

(3) The permittee submits a written request for authorization to bypass to the Director at least ten (10) days prior to the anticipated bypass (if possible), the permittee is granted such authorization, and the permittee complies with any conditions imposed by the Director to minimize any adverse impact on human health or the environment resulting from the bypass.

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

2. Upset

a. A discharge which results from an upset need not meet the discharge limitations specified in Provision I. A. of this permit if:

(1) No later than 24-hours after becoming aware of the occurrence of the upset, the permittee orally reports the occurrence and circumstances of the upset to the Director or his designee; and

(2) No later than five (5) days after becoming aware of the occurrence of the upset, the permittee furnishes the Director with evidence, including properly signed, contemporaneous operating logs, or other relevant evidence, demonstrating that (i) an upset occurred; (ii) the permittee can identify the specific cause(s) of the upset; (iii) the permittee's facility was being properly operated at the time of the upset; and (iv) the permittee promptly took all reasonable steps to minimize any adverse impact on human health or the environment resulting from the upset.

b. The permittee has the burden of establishing that each of the conditions of Provision II. C.2.a. of this permit have been met to qualify for an exemption from the discharge limitations specified in Provision I.A. of this permit.

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

1. Duty to Comply

a. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the AWPCA and the FWPCA and is grounds for enforcement action, for permit termination, revocation and reissuance, suspension, modification; or denial of a permit renewal application.

b. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of the permit shall not be a defense for a permittee in an enforcement action.

c. The discharge of a pollutant from a source not specifically identified in the permit application for this permit and not specifically included in the description of an outfall in this permit is not authorized and shall constitute noncompliance with this permit.

d. The permittee shall take all reasonable steps, including cessation of production or other activities, to minimize or prevent any violation of this permit or to minimize or prevent any adverse impact of any permit violation.

e. Nothing in this permit shall be construed to preclude and 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.

2. Removed Substances

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

3. Loss or Failure of Treatment Facilities

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

4. Compliance with Statutes and Rules

a. This permit has been issued under ADEM Administrative Code, Chapter 335-6-6. All provisions of this chapter, that are applicable to this permit, are hereby made a part of this permit. A copy of this chapter may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Blvd., Montgomery, AL 36130.

b. This permit does not authorize the noncompliance with or violation of any Laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws. FWPCA, 33 U.S.C. Section 1319, and Code of Alabama 1975, Section 22-22-14.

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

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

a. If the permittee intends to continue to discharge beyond the expiration date of this permit, the permittee shall file a complete permit application for reissuance of this permit at least 180 days prior to its expiration. If the permittee does not intend to continue discharge beyond the expiration of this permit, the permittee shall submit written notification of this intent which shall be signed by an individual meeting the signatory requirements for a permit application as set forth in ADEM Administrative Code Rule 335-6-6-.09.

b. Failure of the permittee to apply for reissuance at least 180 days prior to permit expiration will void the automatic continuation of the expiring permit provided by ADEM Administrative Code Rule 335-6-6-.06 and should the permit not be reissued for any reason any discharge after expiration of this permit will be an unpermitted discharge.

2. Change in Discharge

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 or increase the quantity of a discharged pollutant such that existing permit limitations would be exceeded or that could result in an additional discharge point. This requirement applies to pollutants that are or that are not subject to discharge limitations in this permit. No new or increased discharge may begin until the Director has authorized it by issuance of a permit modification or a reissued permit.

b. The permittee shall notify the Director as soon as it is known or there is reason to believe:

(1) That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis, of any toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:

(i) one hundred micrograms per liter;

(ii) two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4,6-dini-trophenol; and one milligram per liter for antimony;

(iii) five times the maximum concentration value reported for that pollutant in the permit application; or

(2) That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:

(i) five hundred micrograms per liter;

(ii) one milligram per liter for antimony;

(iii) ten times the maximum concentration value reported for that pollutant in the permit application.

3. Transfer of Permit

This permit may not be transferred or the name of the permittee changed without notice to the Director and subsequent modification or revocation and reissuance of the permit to identify the new permittee and to incorporate any other changes as may be required under the FWPCA or AWPCA. In the case of a change in name, ownership or control of the permittee's premises only, a request for permit modification in a format acceptable to the Director is required at least 30 days prior to the change. In the case of a change in name, ownership or control of the permittee's premises accompanied by a change or proposed change in effluent characteristics, a complete permit application is required to be submitted to the Director at least 180 days prior to the change. Whenever the Director is notified of a change in name, ownership or control, he may decide not to modify the existing permit and require the submission of a new permit application.

4. Permit Modification and Revocation

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

(1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to revoke and reissue this permit instead of terminating the permit;

(2) If a request to transfer this permit has been received, the Director may decide to revoke and reissue or to modify the permit; or

(3) If modification or revocation and reissuance is requested by the permittee and cause exists, the Director may grant the request.

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

(1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to modify this permit instead of terminating this permit;

(2) There are material and substantial alterations or additions to the facility or activity generating wastewater which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit;

(3) The Director has received new information that was not available at the time of permit issuance and that would have justified the application of different permit conditions at the time of issuance;

(4) A new or revised requirement(s) of any applicable standard or limitation is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA;

(5) Errors in calculation of discharge limitations or typographical or clerical errors were made;

(6) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, when the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued;

(7) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, permits may be modified to change compliance schedules;

(8) To agree with a granted variance under 30l(c), 30l(g), 30l(h), 30l(k), or 3l6(a) of the FWPCA or for fundamentally different factors;

(9) To incorporate an applicable 307(a) FWPCA toxic effluent standard or prohibition;

(10) When required by the reopener conditions in this permit;

(11) When required under 40 CFR 403.8(e) (compliance schedule for development of pretreatment program);

(12) Upon failure of the state to notify, as required by Section 402(b)(3) of the FWPCA, another state whose waters may be affected by a discharge permitted by this permit;

(13) When required to correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions; or

(14) When requested by the permittee and the Director determines that the modification has cause and will not result in a violation of federal or state law, regulations or rules.

5. Permit Termination

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

a. Violation of any term or condition of this permit;

b. The permittee's misrepresentation or failure to disclose fully all relevant facts in the permit application or during the permit issuance process or the permittee's misrepresentation of any relevant facts at any time;

c. Materially false or inaccurate statements or information in the permit application or the permit;

d. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;

e. The permittee's discharge threatens human life or welfare or the maintenance of water quality standards;

f. Permanent closure of the facility generating the wastewater permitted to be discharged by this permit or permanent cessation of wastewater discharge;

g. New or revised requirements of any applicable standard or limitation that is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA that the Director determines cannot be complied with by the permittee; or

h. Any other cause allowed by the ADEM Administrative Code, Chapter 335-6-6.

6. Permit Suspension

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

7. Request for Permit Action Does Not Stay Any Permit Requirement

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

F. COMPLIANCE WITH TOXIC POLLUTANT STANDARD OR PROHIBITION

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

G. DISCHARGE OF WASTEWATER GENERATED BY OTHERS

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.

PART III: OTHER PERMIT CONDITIONS

A. CIVIL AND CRIMINAL LIABILITY

1. Tampering

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

2. False Statements

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

3. Permit Enforcement

a. Any NPDES permit issued or reissued by the Department is a permit for the purpose of the AWPCA and the FWPCA and as such any terms, conditions, or limitations of the permit are enforceable under state and federal law.

b. Any person required to have a NPDES permit pursuant to ADEM Administrative Code Chapter 335-6-6 and who discharges pollutants without said permit, who violates the conditions of said permit, who discharges pollutants in a manner not authorized by the permit, or who violates applicable orders of the Department or any applicable rule or standard of the Department, is subject to any one or combination of the following enforcement actions under applicable state statutes.

(1) An administrative order requiring abatement, compliance, mitigation, cessation, clean-up, and/or penalties;

(2) An action for damages;

(3) An action for injunctive relief; or

(4) An action for penalties.

c. If the permittee is not in compliance with the conditions of an expiring or expired permit the Director may choose to do any or all of the following provided the permittee has made a timely and complete application for reissuance of the permit:

(1) initiate enforcement action based upon the permit which has been continued;

(2) issue a notice of intent to deny the permit reissuance. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;

(3) reissue the new permit with appropriate conditions; or

(4) take other actions authorized by these rules and AWPCA.

4. Relief from Liability

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

B. OIL AND HAZARDOUS SUBSTANCE LIABILITY

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

C. PROPERTY AND OTHER RIGHTS

This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to persons or property or invasion of other private rights, 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. AVAILABILITY OF REPORTS

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

E. EXPIRATION OF PERMITS FOR NEW OR INCREASED DISCHARGES

1. If this permit was issued for a new discharger or new source, this permit shall expire eighteen months after the issuance date if construction of the facility has not begun during the eighteen-month period.

2. If this permit was issued or modified to allow the discharge of increased quantities of pollutants to accommodate the modification of an existing facility and if construction of this modification has not begun during the eighteen month period after issuance of this permit or permit modification, this permit shall be modified to reduce the quantities of pollutants allowed to be discharged to those levels that would have been allowed if the modification of the facility had not been planned.

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

   a. begun, or caused to begin as part of a continuous on-site construction program:

      (1) any placement, assembly, or installation of facilities or equipment; or

      (2) significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or

   b. entered into a binding contractual obligation for the purpose of placement, assembly, or installation of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under the paragraph. The entering into a lease with the State of Alabama for exploration and production of hydrocarbons shall also be considered beginning construction.

F. COMPLIANCE WITH WATER QUALITY STANDARDS

1. On the basis of the permittee's application, plans, or other available information, the Department has determined that compliance with the terms and conditions of this permit should assure compliance with the applicable water quality standards.

2. Compliance with permit terms and conditions notwithstanding, if the permittee's discharge(s) from point sources identified in Provision I. A. of this permit cause or contribute to a condition in contravention of state water quality standards, the Department may require abatement action to be taken by the permittee in emergency situations or modify the permit pursuant to the Department's Rules, or both.

3. If the Department determines, on the basis of a notice provided pursuant to this permit or any investigation, inspection or sampling, that a modification of this permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPCA or FWPCA, the Department may require such modification and, in cases of emergency, the Director may prohibit the discharge until the permit has been modified.

G. GROUNDWATER

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

H. DEFINITIONS

1. Average monthly discharge limitation - means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

2. Average weekly discharge limitation - means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

3. Arithmetic Mean – means the summation of the individual values of any set of values divided by the number of individual values.

4. AWPCA - means the Alabama Water Pollution Control Act.

5. BOD – means the five-day measure of the pollutant parameter biochemical oxygen demand.

6. Bypass - means the intentional diversion of waste streams from any portion of a treatment facility.

7. CBOD – means the five-day measure of the pollutant parameter carbonaceous biochemical oxygen demand.

8. Daily discharge - means the discharge of a pollutant measured during any consecutive 24-hour period in accordance with the sample type and analytical methodology specified by the discharge permit.

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

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

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

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

13. Director - means the Director of the Department.

14. Discharge - means "[t]he addition, introduction, leaking, spilling or emitting of any sewage, industrial waste, pollutant or other wastes into waters of the state". Code of Alabama 1975, Section 22-22-1(b)(8).

15. Discharge Monitoring Report (DMR) - means the form approved by the Director to accomplish reporting requirements of an NPDES permit.

16. DO – means dissolved oxygen.

17. 8HC – means 8-hour composite sample, including any of the following:

    a. The mixing of at least 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.

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

19. FC – means the pollutant parameter fecal coliform.

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

21. FWPCA - means the Federal Water Pollution Control Act.

22. Geometric Mean – means the Nth root of the product of the individual values of any set of values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered one (1).

23. Grab Sample – means a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the discharge.

24. Indirect Discharger – means a nondomestic discharger who discharges pollutants to a publicly owned treatment works or a privately owned treatment facility operated by another person.

25. Industrial User – means those industries identified in the Standard Industrial Classification manual, Bureau of the Budget 1967, as amended and supplemented, under the category "Division D – Manufacturing" and such other classes of significant waste producers as, by regulation, the Director deems appropriate.

26. MGD – means million gallons per day.

27. Monthly Average – means, other than for fecal coliform bacteria, the arithmetic mean of the entire composite or grab samples taken for the daily discharges collected in one month period. The monthly average for fecal coliform 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.

28. New Discharger – means a person, owning or operating any building, structure, facility or installation:

    a. from which there is or may be a discharge of pollutants;

    b. that did not commence the discharge of pollutants prior to August 13, 1979, and which is not a new source; and

    c. which has never received a final effective NPDES permit for dischargers at that site.

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

30. Permit application - means forms and additional information that is required by ADEM Administrative Code Rule 335-6-6-.08 and applicable permit fees.

31. Point source - means "any discernible, confined and discrete conveyance, including but not limited to any pipe, channel, ditch, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or vessel or other floating craft, . . . from which pollutants are or may be discharged." Section 502(14) of the FWPCA, 33 U.S.C. Section 1362(14).

32. Pollutant - includes for purposes of this permit, but is not limited to, those pollutants specified in Code of Alabama 1975, Section 22-22-1(b)(3) and those effluent characteristics specified in Provision I. A. of this permit.

33. 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".

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

35. Receiving Stream – means the "waters" receiving a "discharge" from a "point source".

36. 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.

37. Significant Source – means a source which discharges 0.025 MGD or more to a POTW or greater than five percent of the treatment work's capacity, or a source which is a primary industry as defined by the U.S. EPA or which discharges a priority or toxic pollutant.

38. Solvent – means any virgin, used or spent organic solvent(s) identified in the F-Listed wastes (F001 through F005) specified in 40 CFR 261.31 that is used for the purpose of solubilizing other materials.

39. TKN – means the pollutant parameter Total Kjeldahl Nitrogen.

40. TON – means the pollutant parameter Total Organic Nitrogen.

41. TRC – means Total Residual Chlorine.

42. TSS – means the pollutant parameter Total Suspended Solids.

43. 24HC – means 24-hour composite sample, including any of the following:

    a. the mixing of at least 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.

44. Upset - means an exceptional incident in which there is an unintentional and temporary noncompliance with technology-based permit discharge limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

45. Waters - means "[a]ll waters of any river, stream, watercourse, pond, lake, coastal, ground or surface water, wholly or partially within the state, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership or corporation unless such waters are used in interstate commerce." Code of Alabama 1975, Section 22-22-1(b)(2). Waters "include all navigable waters" as defined in Section 502(7) of the FWPCA, 22 U.S.C. Section 1362(7), which are within the State of Alabama.

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

47. Weekly (7-day and calendar week) Average – is the arithmetic mean of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The calendar week is defined as beginning on Sunday and ending on Saturday. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for the calendar week shall be included in the data for the month that contains the Saturday.

I. SEVERABILITY

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

PART IV: ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. BEST MANAGEMENT PRACTICES (BMP) PLAN REQUIREMENTS

1. BMP Plan

The permittee shall develop and implement a Best Management Practices (BMP) Plan which prevents, or minimizes the potential for, the release of pollutants from ancillary activities, including material storage areas; plant site runoff; in-plant transfer, process and material handling areas; loading and unloading operations, and sludge and waste disposal areas, to the waters of the State through plant site runoff; spillage or leaks; sludge or waste disposal; or drainage from raw material storage.

2. Plan Content

The permittee shall prepare and implement a best management practices (BMP) plan, which shall:

a. Establish specific objectives for the control of pollutants:

(1) Each facility component or system shall be examined for its potential for causing a release of significant amounts of pollutants to waters of the State due to equipment failure, improper operation, natural phenomena such as rain or snowfall, etc.

(2) Where experience indicates a reasonable potential for equipment failure (e.g., a tank overflow or leakage), natural condition (e.g. precipitation), or circumstances to result in significant amounts of pollutants reaching surface waters, the plan should include a prediction of the direction, rate of flow, and total quantity of pollutants which could be discharged from the facility as a result of each condition or circumstance.

b. Establish specific best management practices to meet the objectives identified under paragraph a. of this section, addressing each component or system capable of causing a release of significant amounts of pollutants to the waters of the State, and identifying specific preventative or remedial measures to be implemented;

c. Establish a program to identify and repair leaking equipment items and damaged containment structures, which may contribute to contaminated stormwater runoff. This program must include regular visual inspections of equipment, containment structures and of the facility in general to ensure that the BMP is continually implemented and effective;

d. Prevent the spillage or loss of fluids, oil, grease, gasoline, etc. from vehicle and equipment maintenance activities and thereby prevent the contamination of stormwater from these substances;

e. Prevent or minimize stormwater contact with material stored on site;

f. Designate by position or name the person or persons responsible for the day to day implementation of the BMP;

g. Provide for routine inspections, on days during which the facility is manned, of any structures that function to prevent stormwater pollution or to remove pollutants from stormwater and of the facility in general. Routine inspections should be done at a frequency to ensure that the BMP is continually implemented and effective and in no case less frequent than once per year;

h. Provide for the use and disposal of any material used to absorb spilled fluids that could contaminate stormwater;

i. Develop a solvent management plan, if solvents are used on site. The solvent management plan shall include as a minimum lists of the solvents on site; the disposal method of solvents used instead of dumping, such as reclamation, contract hauling; and the procedures for assuring that solvents do not routinely spill or leak into the stormwater;

j. Provide for the disposal of all used oils, hydraulic fluids, firefighting foams, solvent degreasing material, etc. in accordance with good management practices and any applicable state or federal regulations;

k. Include a diagram of the facility showing the locations where stormwater exits the facility, the locations of any structure or other mechanisms intended to prevent pollution of stormwater or to remove pollutants from stormwater, the locations of any collection and handling systems;

l. Provide control sufficient to prevent or control pollution of stormwater by soil particles to the degree required to maintain compliance with the water quality standard for turbidity applicable to the waterbody(s) receiving discharge(s) under this permit;

m. Provide spill prevention, control, and/or management sufficient to prevent or minimize contaminated stormwater runoff. 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. The containment system shall also be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided;

n. Provide and maintain curbing, diking or other means of isolating process areas to the extent necessary to allow segregation and collection for treatment of contaminated stormwater from process areas;

o. Be reviewed by plant engineering staff and the plant manager; and

p. Bear the signature of the plant manager.

3. Compliance Schedule

The permittee shall have reviewed (and revised if necessary) and fully implemented the BMP plan as soon as practicable but no later than six months after the effective date of this permit.

4. Department Review

a. When requested by the Director or his designee, the permittee shall make the BMP available for Department review.

b. The Director or his designee may notify the permittee at any time that the BMP is deficient and require correction of the deficiency.

c. The permittee shall correct any BMP deficiency identified by the Director or his designee within 30 days of receipt of notification and shall certify to the Department that the correction has been made and implemented.

5. Administrative Procedures

a. A copy of the BMP shall be maintained at the facility and shall be available for inspection by representatives of the Department.

b. A log of the routine inspection required above shall be maintained at the facility and shall be available for inspection by representatives of the Department. The log shall contain records of all inspections performed for the last three years and each entry shall be signed by the person performing the inspection.

c. The permittee shall provide training for any personnel required to implement the BMP and shall retain documentation of such training at the facility. This documentation shall be available for inspection by representatives of the Department. Training shall be performed prior to the date that implementation of the BMP is required.

d. BMP Plan Modification. The permittee shall amend the BMP plan whenever there is a change in the facility or change in operation of the facility which materially increases the potential for the ancillary activities to result in a discharge of significant amounts of pollutants.

e. BMP Plan Review. The permittee shall complete a review and evaluation of the BMP plan at least once every three years from the date of preparation of the BMP plan. Documentation of the BMP Plan review and evaluation shall be signed and dated by the Plant Manager.

B. STORMWATER FLOW MEASUREMENT AND SAMPLING REQUIREMENTS

1. Stormwater Flow Measurement

a. All stormwater samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches.

b. The total volume of stormwater discharged for the event must be monitored, including the date and duration (in hours) and rainfall (in inches) for storm event(s) sampled. The duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event must be a minimum of 72 hours. This information must be recorded as part of the sampling procedure and records retained according to Part I.B. of this permit.

c. The volume may be measured using flow measuring devices, or estimated based on a modification of the Rational Method using total depth of rainfall, the size of the drainage area serving a stormwater outfall, and an estimate of the runoff coefficient of the drainage area. This information must be recorded as part of the sampling procedure and records retained according to Part I.B. of this permit.

2. Stormwater Sampling

a. A grab sample, if required by this permit, shall be taken during the first thirty minutes of the discharge (or as soon thereafter as practicable); and a flow-weighted composite sample, if required by this permit, shall be taken for the entire event or for the first three hours of the event.

b. All test procedures will be in accordance with part I.B. of this permit.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM)
NPDES INDIVIDUAL PERMIT APPLICATION
SUPPLEMENTARY INFORMATION FOR INDUSTRIAL FACILITIES

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

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

PURPOSE OF THIS APPLICATION

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

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

SECTION A – GENERAL INFORMATION

1. Facility Name: Clarke Range (formerly Pelham Range)

   a. Operator Name: Alabama Army National Guard

   b. Is the operator identified in A.1.a, the owner of the facility? ☐ Yes ■ No
   If no, provide name and address of the operator and submit information indicating the operator's scope of responsibility for the facility.
   The United States Corps of Engineers
   The Alabama Army National Guard is responsible party for the entire Clarke Range

2. NPDES Permit Number: AL 0 0 8 3 9 4 1 (not applicable if initial permit application)

3. SID Permit Number (if applicable): IU ___ ___ - ___ ___ - ___ ___ ___ ___ ___

4. NPDES General Permit Number (if applicable): ALG ___ ___ ___ ___ ___ ___

5. Facility Physical Location: (**Attach a map with location marked; street, route no. or other specific identifier**)
   Street: Gate 3 Road (Refer to Attachment H)
   City: Alexandria County: Calhoun State: AL Zip: 36250
   Facility Location (Front Gate): Latitude: 33 degrees 43'43"N Longitude: 85 degrees 53'23"W

6. Facility Mailing Address: P.O. Box 5280 Building 1060
   City: Ft. McClellan County: Calhoun State: AL Zip: 36205

7. Responsible Official (as described on the last page of this application):
   Name and Title: LTC Dustin P. Chassé, Training Center Director
   Address: P.O. Box 5280 Building 1060
   City: Ft. McClellan State: AL Zip: 36205
   Phone Number: 256-847-4535 Email Address: dustin.p.chasse.mil@army.mil

8. Designated Facility Contact:
   Name and Title: Brad Curvin, Environmental Compliance Supervisor
   Phone Number: 334-523-4027 Email Address: bradley.n.curvin.nfg@army.mil

9. Designated Discharge Monitoring Report (DMR) Contact:

Name and Title: Brad Curvin, Environmental Compliance Supervisor

Phone Number: 334-523-4027 Email Address: bradley.n.curvin.nfg@army.mil

10. Type of Business Entity:

☐ Corporation ☐ General Partnership ☐ Limited Partnership ☐ Limited Liability Company ☐ Sole Proprietorship

☒ Other (Please Specify) Government/Military

11. Complete this section if the Applicant's business entity is a Corporation

a) Location of Incorporation:

Address: NA

City: NA County: NA State: NA Zip: NA

b) Parent Corporation of Applicant:

Name: NA

Address: NA

City: NA State: NA Zip: NA

c) Subsidiary Corporation(s) of Applicant:

Name: NA

Address: NA

City: NA State: NA Zip: NA

d) Corporate Officers:

Name: NA

Address: N/A

City: NA State: NA Zip: NA

Name: NA

Address: NA

City: NA State: NA Zip: NA

e) Agent designated by the corporation for purposes of service:

Name: NA

Address: NA

City: NA State: NA Zip: NA

12. If the Applicant's business entity is a Partnership, please list the general partners.

Name: NA Name: NA

Address: NA Address: NA

City: NA State: NA Zip: NA City: NA State: NA Zip: NA

13. If the Applicant's business entity is a Proprietorship, please enter the proprietor's information.

Name: NA

Address: NA

City: NA State: NA Zip: NA

14. Permit numbers for Applicant's previously issued NPDES Permits and identification of any other State of Alabama Environmental Permits presently held by the Applicant, its parent corporation, or subsidiary corporations within the State of Alabama:

Permit Name	Permit Number	Held By
UTES #1 Pelham Range	AL0073016	Alabama Army National Guard

15. Identify all Administrative Complaints, Notices of Violation, Directives, Administrative Orders, or Litigation concerning water pollution, if any, against the Applicant, its parent corporation or subsidiary corporations within the State of Alabama within the past five years (attach additional sheets if necessary):

Facility Name	Permit Number	Type of Action	Date of Action
N/A			
N/A			
N/A			
N/A			
N/A			

SECTION B – BUSINESS ACTIVITY

1. Indicate applicable Standard Industrial Classification (SIC) Codes for all processes. If more than one applies, list in order of importance:

a. 9711

b. 7538

c. 1629

d. 1429

e.

f.

2. If your facility conducts or will be conducting any of the processes listed below (regardless of whether they generate wastewater, waste sludge, or hazardous waste), place a check beside the category of business activity (check all that apply):

Industrial Categories

- ☐ Aluminum Forming
- ☐ Asbestos Manufacturing
- ☐ Battery Manufacturing
- ☐ Can Making
- ☐ Canned and Preserved Fruit and Vegetables
- ☐ Canned and Preserved Seafood
- ☐ Cement Manufacturing
- ☐ Centralized Waste Treatment
- ☐ Carbon Black
- ☐ Coal Mining
- ☐ Coil Coating
- ☐ Copper Forming
- ☐ Electric and Electronic Components Manufacturing
- ☐ Electroplating
- ☐ Explosives Manufacturing
- ☐ Feedlots
- ☐ Ferroalloy Manufacturing
- ☐ Fertilizer Manufacturing
- ☐ Foundries (Metal Molding and Casting)
- ☐ Glass Manufacturing
- ☐ Grain Mills
- ☐ Gum and Wood Chemicals Manufacturing
- ☐ Inorganic Chemicals
- ☐ Iron and Steel
- ☐ Leather Tanning and Finishing
- ☐ Metal Finishing
- ☐ Meat Products
- ☐ Metal Molding and Casting
- ☐ Metal Products
- ☐ Nonferrous Metals Forming
- ☐ Nonferrous Metals Manufacturing
- ☐ Oil and Gas Extraction
- ☐ Organic Chemicals Manufacturing
- ☐ Paint and Ink Formulating
- ☐ Paving and Roofing Manufacturing
- ☐ Pesticides Manufacturing
- ☐ Petroleum Refining
- ☐ Phosphate Manufacturing
- ☐ Photographic
- ☐ Pharmaceutical
- ☐ Plastic & Synthetic Materials
- ☐ Plastics Processing Manufacturing
- ☐ Porcelain Enamel
- ☐ Pulp, Paper, and Fiberboard Manufacturing
- ☐ Rubber
- ☐ Soap and Detergent Manufacturing
- ☐ Steam and Electric
- ☐ Sugar Processing
- ☐ Textile Mills
- ☐ Timber Products
- ☐ Transportation Equipment Cleaning
- ☐ Waste Combustion
- ☐ Other (specify)_____

A facility with processes inclusive in these business areas may be covered by Environmental Protection (EPA) categorical standards. These facilities are termed "categorical users" and should skip to question 2 of Section C.

3. Give a brief description of all operations at this facility including primary products or services (attach additional sheets if necessary):

See Attachment A

SECTION C – WASTEWATER DISCHARGE INFORMATION

Facilities that checked activities in B.2 and are considered Categorical Industrial Users should skip to C.2 of this section.

1. **For Non-Categorical Users Only**: Provide wastewater flows for each of the processes or proposed processes. Using the process flow schematic (Figure 1), enter the description that corresponds to each process. **(The flow schematic should include all treatment units as well as monitoring and discharge points).** [New facilities should provide estimates for each discharge.]

Process Description	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5 (gals/day) Monthly Avg. Flow	Discharge Type (batch, continuous, intermittent)
Vehicle Washing	7000 gal/day	5000 gal/day	Intermittent

If batch discharge occurs or will occur, indicate: [new facilities may estimate.]

a. Number of batch discharges: _____ per day

b. Average discharge per batch: _____ (GPD)

c. Time of batch discharges _____ (days of week) at _____ (hours of day)

d. Flow rate: _____ gallons/minute

e. Percent of total discharge: _____

Non-Process Discharges (e.g. non-contact cooling water)	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5 (gals/day) Monthly Avg. Flow

2. **Complete this Section only if you are subject to Categorical Standards and plan to directly discharge the associated wastewater to a water of the State.** If Categorical wastewater is discharged exclusively via an indirect discharge to a public or privately-owned treatment works, check "Yes" in the appropriate space below and proceed directly to part 2.c .

☐ Yes

For Categorical Users: Provide the wastewater discharge flows or production (whichever is applicable by the effluent guidelines) for each of your processes or proposed processes. Using the process flow schematic (Figure 1, pg 14), enter the description that corresponds to each process. [New facilities should provide estimates for each discharge.]

2a.

Regulated Process	Applicable Category	Applicable Subpart	Type of Discharge Flow (batch, continuous, intermittent)
N/A	N/A	N/A	N/A

2b.

Process Description	Last 12 Months (gals/day), (lbs/day), etc. Highest Month Average*	Highest Flow Year of Last 5 (gals/day), (lbs/day), etc. Monthly Average*	Discharge Type (batch, continuous, intermittent)
N/A	N/A	N/A	N/A

*** Reported values should be expressed in units of the applicable Federal production-based standard. For example, flow (MGD), production (pounds per day), etc.**

If batch discharge occurs or will occur, indicate: [new facilities may estimate.]

a. Number of batch discharges: _____ per day

b. Average discharge per batch: _____ (GPD)

c. Time of batch discharges _____ (days of week) at _____ (hours of day)

d. Flow rate: _____ gallons/minute

e. Percent of total discharge: _____

2c.

Non categorical Process Description	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5 (gals/day) Monthly Avg. Flow	Discharge Type (batch, continuous, intermittent)

If batch discharge occurs or will occur, indicate: [new facilities may estimate.]

a. Number of batch discharges: _____ per day

b. Average discharge per batch: _____ (GPD)

c. Time of batch discharges _____ (days of week) at _____ (hours of day)

d. Flow rate: _____ gallons/minute

e. Percent of total discharge: _____

2d.

Non-Process Discharges (e.g. non-contact cooling water)	Last 12 Months (gals/day) Highest Month Avg. Flow	Highest Flow Year of Last 5 (gals/day) Monthly Avg. Flow

All Applicants must complete C.3 – C.6.

3. Do you share an outfall with another facility? ☐ Yes ■ No (If no, continue to C.4)

For each shared outfall, provide the following:

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

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

Current:	Flow Metering	■ Yes	☐ No	☐ N/A
	Sampling Equipment	☐ Yes	■ No	☐ N/A
Planned:	Flow Metering	■ Yes	☐ No	☐ N/A
	Sampling Equipment	☐ Yes	■ No	☐ N/A

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

5. Are any process changes or expansions planned during the next three years that could alter wastewater volumes or characteristics?
☐ Yes ■ No (If no, continue to C.6)

Briefly describe these changes and their anticipated effects on the wastewater volume and characteristics:

6. List the trade name and chemical composition of all biocides and corrosion inhibitors used:

Trade Name	Chemical Composition
N/A	

For each biocide and/or corrosion inhibitor used, please include the following information:

(1) 96-hour median tolerance limit data for organisms representative of the biota of the waterway into which the discharge will ultimately reach,
(2) quantities to be used,
(3) frequencies of use,
(4) proposed discharge concentrations, and
(5) EPA registration number, if applicable

SECTION D – WATER SUPPLY

Water Sources (check as many as are applicable):

☐ Private Well
☐ Surface Water
☒ Municipal Water Utility (Specify City):
☐ Other (Specify): _____

IF MORE THAN ONE WELL OR SURFACE INTAKE, PROVIDE DATA FOR EACH ON AN ATTACHMENT

City:_____MGD* Well:_____MGD* Well Depth:_____Ft. Latitude:_____ Longitude:_____

Surface Intake Volume:_____MGD* Intake Elevation in Relation to Bottom:_____Ft.

Intake Elevation:_____Ft. Latitude:_____ Longitude:_____

Name of Surface Water Source:_____

*** MGD – Million Gallons per Day**

Cooling Water Intake Structure Information

Complete D.1 and D.2 if your water supply is provided by an outside source and not by an onsite water intake structure? (e.g., another industry, municipality, etc...)

1. Does the provider of your source water operate a surface water intake? Yes ☐ No ☒
(If yes, continue, if no, go to Section E.)

a) Name of Provider: See Attachment B b) Location of Provider:_____

c) Latitude:_____ Longitude:_____

2. Is the provider a public water system (defined as a system which provides water to the public for human consumption or which provides only treated water, not raw water)? ☒ Yes ☐ No (If yes, go to Section E, if no, continue.)

Only to be completed if you have a cooling water intake structure or the provider of your water supply uses an intake structure and does not treat the raw water.

3. Is any water withdrawn from the source water used for cooling? ☐ Yes No

4. Using the average monthly measurements over any 12-month period, approximately what percentage of water withdrawn is used exclusively for cooling purposes? _____%

5. Does the cooling water consist of treated effluent that would otherwise be discharged? ☐ Yes ☐ No
(If yes, go to Section E, if no, complete D.6 – D.17)

6. a. Is the cooling water used in a once-through cooling system? ☐ Yes ☐ No

b. Is the cooling water used in a closed cycle cooling system? ☐ Yes ☐ No

7. When was the intake installed? _____
(Please provide dates for all major construction/installation of intake components including screens)

8. What is the maximum intake volume? _____
(maximum pumping capacity in gallons per day)

9. What is the average intake volume? _____
(average intake pump rate in gallons per day average in any 30-day period)

10. What is the actual intake flow (AIF) as defined in 40 CFR §125.92(a)? _____MGD

11. How is the intake operated? (e.g., continuously, intermittently, batch) _____

12. What is the mesh size of the screen on your intake? _____

13. What is the intake screen flow-through area? _____

14. What is the through-screen design intake flow velocity? _____ft/sec

15. What is the through-screen actual velocity (in ft/sec)? _____ft/sec

16. What is the mechanism for cleaning the screen? (e.g., does it rotate for cleaning) _____

17. Do you have any additional fish detraction technology on your intake? ☐ Yes ☐ No

18. Have there been any studies to determine the impact of the intake on aquatic organisms? ☐ Yes ☐ No (If yes, please provide.)

19. Attach a site map showing the location of the water intake in relation to the facility, shoreline, water depth, etc.

SECTION E – WASTE STORAGE AND DISPOSAL INFORMATION

Provide a description of the location of all sites involved in the storage of solids or liquids that could be accidentally discharged to a water of the state, either directly or indirectly via such avenues as storm water drainage, municipal wastewater systems, etc., which are located at the facility for which the NPDES application is being made. Where possible, the location should be noted on a map and included with this application:

Description of Waste	Description of Storage Location
Waste Oil	AST
Fuel	AST

Provide a description of the location of the ultimate disposal sites of solid or liquid waste by-products (such as sludges) from any wastewater treatment system located at the facility.

Description of Waste	Quantity (lbs/day)	Disposal Method*
OWS Sludge	< 1 lb. / Day	Off-Site Facility per Contract
Settling Basin Sediment	7 tons/year	Advanced Disposal-Cedar Hill Landfill

***Indicate which wastes identified above are disposed of at an off-site treatment facility and which are disposed of on-site. If any wastes are sent to an off-site centralized waste treatment facility, identify the waste and the facility.**

SECTION F – COASTAL ZONE INFORMATION

Is the discharge(s) located within the 10-foot elevation contour and within the limits of Mobile or Baldwin County? ☐ Yes ■ No

If yes, complete items F.1 – F.12:

		Yes	No
1.	Does the project require new construction? No Construction	☐	☒
2.	Will the project be a source of new air emissions? N/A	☐	☒

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

SECTION G – ANTI-DEGRADATION EVALUATION

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

1. Is this a new or increased discharge that began after April 3, 1991? ☐ Yes ■ No
   If yes, complete G.2 below. If no, go to Section H.

2. Has an Anti-Degradation Analysis been previously conducted and submitted to the Department for the new or increased discharge referenced in G.1? ☐ Yes ■ No

   If yes, do not complete this section. If no, and the discharge is to a Tier II waterbody as defined in ADEM Admin. Code r. 335-6-10-.12(4), complete G.2.A – G.2.F below and ADEM Forms 311 and 313 (attached). ADEM Form 313 must be provided for each alternative considered technically viable.

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

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

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

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

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

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

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

SECTION H – EPA Application Forms

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

1. All applicants must submit Form 1.
2. Applicants for existing industrial facilities (including manufacturing facilities, commercial facilities, mining activities, and silvicultural activities) which discharge process wastewater must submit Form 2C.
3. Applicants for new industrial facilities which propose to discharge process wastewater must submit Form 2D.
4. Applicants for new and existing industrial facilities which discharge only non-process wastewater (i.e., non-contact cooling water and/or sanitary wastewater) must submit Form 2E.
5. Applicants for new and existing facilities whose discharge is composed entirely of storm water associated with industrial activity must submit Form 2F, unless exempted by § 122.26(c)(1)(ii). If the discharge is composed of storm water and non-storm water, the applicant must also submit Forms 2C, 2D, and/or 2E, as appropriate (in addition to Form 2F).

SECTION I – ENGINEERING REPORT/BMP PLAN REQUIREMENTS

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

SECTION J– RECEIVING WATERS

Outfall No.	Receiving Water(s)	303(d) Segment?	Included in TMDL?*
	See Attachment C	☐ Yes ■ No	☐ Yes ■ No
		☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No	☐ Yes ☐ No

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

(1) Justification for the requested Compliance Schedule (e.g. time for design and installation of control equipment, etc.);

(2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, MDL/ML, etc. should be submitted as available);

(3) Requested interim limitations, if applicable;

(4) Date of final compliance with the TMDL limitations; and,

(5) Any other additional information available to support requested compliance schedule.

SECTION K – APPLICATION CERTIFICATION

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

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Signature of Responsible Official: _____ Date Signed: 10/02/2025

Name and Title: LTC Dustin P. Chassé, Training Center Director

If the Responsible Official signing this application is <u>not</u> identified in Section A.7, provide the following information:

Mailing Address: P.O. Box 5280 Building 1060

City: Ft McClellan State: AL Zip: 36205

Phone Number: (256) 847-4535 Email Address: dustin.p.chasse.mil@army.mil

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

(1) The application for an NPDES permit shall be signed by a responsible official, as indicated below:

(a) In the case of a corporation, by a principal executive officer of at least the level of vice president, or a manager assigned or delegated in accordance with corporate procedures, with such delegation submitted in writing if required by the Department, who is responsible for manufacturing, production, or operating facilities and is authorized to make management decisions which govern the operation of the regulated facility;

(b) In the case of a partnership, by a general partner;

(c) In the case of a sole proprietorship, by the proprietor; or

(d) In the case of a municipal, state, federal, or other public entity, by either a principal executive officer, or ranking elected official.

ADEM PERMIT RATIONALE

PREPARED DATE: July 16, 2026
PREPARED BY: Muhammad Mehmood
REVISION DATE: October 26, 2026
REVISED BY: Muhammad Mehmood

Permittee Name: Alabama Army National Guard

Facility Name: Clarke Range

Permit Number: AL0083941

PERMIT IS REISSUANCE DUE TO EXPIRATION

DISCHARGE SERIAL NUMBERS (DSN) & DESCRIPTIONS:

DSN	Description
001	Storm water and wash water from equipment maintenance and washing from UTES #1
003	Storm water from the Horizontal Engineering Training Area
004	Storm water from the Horizontal Engineering Training Area
005	Storm water from the Horizontal Engineering Training Area
006	Storm water from the Horizontal Engineering Training Area
007	Storm water from the Rock Crusher Training Area

INDUSTRIAL CATEGORY: NON-CATEGORICAL

MAJOR: **No**

STREAM INFORMATION (DSN001)

Receiving Stream:	Cane Creek
Classification:	Fish & Wildlife
River Basin:	Coosa
7Q10:	2.73 cfs
7Q2:	4.31 cfs
1Q10:	2.04 cfs
Annual Average Flow:	45.78 cfs
303(d) List:	Yes
Impairment:	Pathogens (E. Coli)
TMDL:	NO

STREAM INFORMATION (DSN003, DSN004, DSN005, DSN006 and DSN007)

Receiving Stream:	Unnamed Tributary to Cane Creek
Classification:	Fish & Wildlife
River Basin:	Coosa
7Q10:	1.49 cfs

7Q2:	0.12 cfs
1Q10:	0.09 cfs
Annual Average Flow:	2.09 cfs
303(d) List:	Yes (Cane Creek)
Impairment:	Pathogens (E. Coli)
TMDL:	NO

DISCUSSION:

Clarke Range has three individual locations on the range including the Unit Training Equipment Site (UTES) #1, The Horizontal Engineering Training Area, and the Rock Crusher site.

The UTES #1 facility stores, maintains, and repairs armored vehicles. Operations at the facility include vehicle, maintenance bay floor, and other equipment washing. All wash water flows through a settling basin and is treated by an oil water separator prior to discharge.

The Horizontal Engineering Training Area is a unit that the military uses to train soldiers to operate earth moving and other heavy equipment. No manufacturing activities are conducted at the site. The site has four retention ponds on site that receive all storm water runoff and rarely discharges.

The Rock Crusher Site is designed to be used by soldiers to train to crush rock to make gravel for paving operations. Rocks will be purchased by a vendor, delivered to site, and crushed. The Rock Crusher Site is not currently in operation.

ADEM Administrative Rule 335-6-10-.12 requires applicants to new or expanded discharges to Tier II waters demonstrate that the proposed discharge is necessary for important economic or social development in the area in which the waters are located. The application submitted by the facility is not for a discharge to a Tier II water body. Therefore, anti-degradation requirements do not apply

EPA has not promulgated specific guidelines for the discharges covered under the proposed permit. Proposed permit limits are based on Best Professional Judgment. The proposed frequencies are based on a review of site specific conditions and an evaluation of similar facilities.

DSN001Q: Storm water and wash water from equipment maintenance and washing from UTES #1

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
pH (00400) Effluent Gross Value	*****	*****	*****	6.0 Minimum Daily	*****	8.5 Maximum Daily	S.U.	Quarterly	Grab	All Months	WQBEL
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Quarterly	Grab	All Months	BPJ
Phosphorus, Total (As P) (00665) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Quarterly	Grab	All Months	BPJ
Toluene (34010) Effluent Gross Value	*****	*****	*****	*****	*****	8723 Maximum Daily	ug/l	Quarterly	Grab	All Months	WQBEL
Benzene (34030) Effluent Gross Value	*****	*****	*****	*****	*****	15.5 Maximum Daily	ug/l	Quarterly	Grab	All Months	WQBEL
Ethylbenzene (34371) Effluent Gross Value	*****	*****	*****	*****	*****	1244 Maximum Daily	ug/l	Quarterly	Grab	All Months	WQBEL
Naphthalene (34696) Effluent Gross Value	*****	*****	*****	*****	*****	620 Maximum Daily	ug/l	Quarterly	Grab	All Months	WQBEL
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Quarterly	Instantaneous	All Months	BPJ
Chlorine, Total Residual (50060) Effluent Gross Value	*****	*****	*****	*****	*****	1.0 Maximum Daily	mg/l	Quarterly	Grab	All Months	BPJ
Xylene (81551) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	ug/l	Quarterly	Grab	All Months	BPJ

DSN003S: Storm water from the Horizontal Engineering Training Area

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Monthly Average	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ

DSN004S: Storm water from the Horizontal Engineering Training Area

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Monthly Average	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ

DSN005S: Storm water from the Horizontal Engineering Training Area

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Monthly Average	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ

DSN006S: Storm water from the Horizontal Engineering Training Area

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Monthly Average	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ

DSN007S: Storm water from the Rock Crusher Training Area

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency	Sample Type	Seasonal	Basis
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Monthly Average	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	(Report) Monthly Average	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ

*Basis for Permit Limitation

- BPJ – Best Professional Judgmen
- WQBEL – Water Quality Based Effluent Limits
- EGL – Federal Effluent Guideline Limitations
- 303(d) – 303(d) List of Impaired Waters
- TMDL – Total Maximum Daily Load Requirement

Discussion

Requested Modification
Clarke Range has requested that outfall DSN002 be removed from the permit due to its inactive status. The facility indicated that the wash rack and the oil water separator have been removed, and the discharge line has been capped. DSN008, DSN009 and DSN010 no longer exist at the rock crusher site and are being removed from the permit.

Process Water Outfall: DSN001

Water Quality Based Effluent Limitation (WQBEL)

pH
ADEM Administrative Code, Division 6 Regulations, specifically 335-6-10-.09(5)(e)2. – Specific Water Quality for Fish and Wildlife classified streams states: "Sewage, industrial waste or other wastes shall not cause the pH to deviate more than one unit from then normal or natural pH, nor be less than 6.0, nor greater than 8.5 standard units."

Best Professional Judgment (BPJ)
The parameters of concern for this outfall are based on the parameters of concern listed in EPA form 2C and from the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility. The parameters with specific limits are discussed below:

Oil & Grease
The daily maximum limit of 15.0 mg/l for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

Benzene, Toluene, Ethylbenzene, Xylene and Naphthalene
Monitoring for benzene, toluene, ethylbenzene, xylene and naphthalene is proposed to continue in this permit due to the potential presence in vehicle wash water. The proposed benzene, toluene, ethylbenzene and naphthalene limitations are based on fish consumption human health criteria. These limitations should be protective during the most conservative conditions and seem to be consistent with the General Storm Water Permit for vehicle storage, maintenance, and washing. Xylene will continue to be monitored without any limitations imposed.

Total Residual Chlorine (TRC)
ADEM Administrative Code, Division 6 Regulations, specifically 335-6-10-.07 states, "Concentrations of these toxic pollutants in State waters shall not exceed the criteria indicated in Table 1 of this rule to the extent commensurate with the designated usage of such waters." The proposed TRC limitations of 0.011 mg/l and 0.019 mg/l are based on the freshwater chronic and acute aquatic life criteria found in Table 1, respectively.

In accordance with a letter dated August 11, 1998, from EPA Headquarters and a 1991 memorandum from EPA Region 4's Environmental Services Division (ESD), due to testing and method detection limitations, a Total Residual Chlorine measurement below 0.05 mg/L shall be considered below detection for compliance purposes.

Based on BPJ, due to the low volume of the facility's discharge and the dilution available in the receiving stream, the daily maximum limit of Total Residual Chlorine is proposed to be maintained at 1.0 mg/l.

Total Phosphorus and Total Suspended Solids (TSS)
The information gathered from the permittee's monitoring will be useful in evaluating the impact on the receiving stream. Should at any time it be determined by the Department that in-stream water quality standards are being contravened, then the permit will be reopened.

Stormwater Outfalls: DSN003, DSN004, DSN005, DSN006 and DSN007

Best Professional Judgment (BPJ)
The parameters of concern for these outfalls are based on the parameters of concern listed in EPA form 2F and from the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility. The parameters with specific limits are discussed below:

pH
The pH in the stormwater runoff from this site is not expected to adversely affect the receiving streams; however, semi-annual monitoring is proposed to be continued to measure the effectiveness of the BMP measures utilized by the facility.

Oil & Grease
The daily maximum limit of 15.0 mg/l for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

Total Suspended Solids (TSS)
Given that monitoring for TSS is an indicator of Best Management Practices and a measure of the BMPs effectiveness, TSS monitoring is proposed to be continued no limits stipulated.

Representative Outfall
Outfall DSN003 has been deemed representative of outfalls DSN004, DSN005, and DSN006. DSN004 – DSN006 are dry basins and based on historical DMR data submitted by the facility, there does not appear to be a significant difference in the concentrations of pollutants monitored at these outfalls. Stormwater monitoring is only required at DSN003 and DSN007.

Stream Impairment 303(d) List of Impaired Waters/TMDL
The unnamed tributary to Cane Creek is not listed as being impaired on the Alabama 303(d) list, and there are no developed/final TMDL's associated with it. However, Cane Creek is on the 303(d) list for Pathogens (E. Coli). The sources of impairment are from animal feeding operations, collection system failures, and pasture grazing. The discharge of this facility is not expected to contribute to the listed impairments, and therefore, no pathogen monitoring is proposed at this time.

Best Management Practices (BMP) Plan
BMPs are believed to be the most effective way to control the contamination of stormwater from areas of industrial activities. This facility is required to maintain a BMP plan. The requirements of the BMP plan call for minimization of stormwater contact with waste materials, products and by-products, and for prevention of spills or loss of fluids from equipment maintenance activities. In addition, the BMP plan requires objectives for controls of pollutants and that all components and/or systems at the facility be examined for their potential to cause a release of significant amounts of pollutants due to equipment failures and improper operation. The effectiveness of the BMPs will be measured through the monitoring of the pollutants of concern.

The Department has updated the BMP language located in Part IV.A.2.g of the Permit. The Permit Condition now states, "Provide for routine inspections, or days during which the facility is manned, of any structures that function to prevent stormwater pollution or to remove pollutants from stormwater and of the facility in general. Routine inspections should be done at a frequency to ensure that the BMP is continually implemented and effective and in no case less frequent than once per year." This clarification was added to be consistent with 40 CFR Part 122.43(c).

Revision 10/26/2026
Upon a request from the facility, the description of the Rock Crusher site in the rationale discussion has been updated to "The Rock Crusher Site is designed to be used by soldiers to train to crush rock to make gravel for paving operations. Rocks will be purchased by a vendor, delivered to site, and crushed. The Rock Crusher Site is not currently in operation."

pH monitoring has been updated to "Semi-annual" in the discussion of stormwater outfalls in the rationale to be consistent with the monitoring frequency of pH in the effluent limit tables.

Outlook

RE: Clarke Range Stormwater Permit Revised Documents and Response

From Lockwood, Stewart E NFG NG ALANG (USA) <stewart.e.lockwood.nfg@army.mil>

Date Thu 10/22/2026 3:47 PM

To Mehmood, Muhammad Uzair <muhammad.mehmood@adem.alabama.gov>; Leah Ackerman <lackerman@jmrha.com>

Cc Hayes, Gregory S NFG NG ALARNG (USA) <gregory.s.hayes18.nfg@army.mil>; Curvin, Bradley N NFG NG ALARNG (USA) <bradley.n.curvin.nfg@army.mil>

Muhammed,

I only have two minor comments on the draft permit.

- On page 29, we would like to change the description of the Rock Crusher Site to "The Rock Crusher Site is designed to be used by soldiers to train to crush rock to make gravel for paving operations. Rocks will be purchased by a vendor, delivered to site, and crushed. The Rock Crusher Site is not currently in operation."
- On page 34, the proposed monitoring frequency for DSN003, DSN004, DSN005, DSN006, and DSN007 is stated as quarterly instead of semi-annually in the Best Professional Judgement section.

Other than those two things, it looks good to us. Thanks.

Stewart E. Lockwood
Environmental Scientist, Sr.
Facility Management Office
Joint Force Headquarters
Alabama Army National Guard

ALARNG JFHQ FMO ENV
1720 Congressman W. L. Dickinson Dr.
Montgomery, AL 36109
Office: 334-271-8186
Cell: 334-224-9277

From: Mehmood, Muhammad Uzair <muhammad.mehmood@adem.alabama.gov>
Sent: Wednesday, October 14, 2026 2:42 PM
To: Leah Ackerman <lackerman@jmrha.com>
Cc: Hayes, Gregory S NFG NG ALARNG (USA) <gregory.s.hayes18.nfg@army.mil>; Curvin, Bradley N NFG NG ALARNG (USA) <bradley.n.curvin.nfg@army.mil>; Lockwood, Stewart E NFG NG ALANG (USA) <stewart.e.lockwood.nfg@army.mil>
Subject: Re: Clarke Range Stormwater Permit Revised Documents and Response

Good afternoon,

Please find the draft permit for Clarke Range in the attachment. The department would appreciate any comments on the permit within 30 days of receipt. A copy of the draft has also been mailed.

Let me know if you have any questions or concerns.

JOINT FORCE HEADQUARTERS
ALABAMA ARMY NATIONAL GUARD
1720 CONGRESSMAN WILLIAM L. DICKINSON DRIVE
P. O. BOX 3711
MONTGOMERY, AL 36109-0711

02 October 2025

Mr. Scott Ramsey
ADEM
Industrial Permits Section
Water Division
1400 Coliseum Blvd
Montgomery, AL 36110-2400

SUBJECT: Industrial Permit Renewal for Pelham Range Permit Number AL0083941

Dear Mr. Ramsey,

Attached you will find the National Pollutant Discharge Elimination System (NPDES) permit renewal application for the Alabama Army National Guard's current Pelham Range Training Area. In 2023 Pelham Range Training Area was renamed Clarke Range Complex, which should be reflected in the renewed permit. Clarke Range is located in Alexandria, AL in Calhoun County. The permit renewal will include the same sites located throughout the range. These include UTES 1, the Horizontal Training Area and the Rock Crusher Site.

ALARNG would like to request the following changes:

1. Remove discharge point DSN002Q from the permit. The wash rack and oil water separator have been removed, and the discharge line has been capped. DSN002Q longer discharges to the environment.
2. Request consolidation of sampling locations for the Horizontal Training Area into one representative composite sample per sampling event. 5 years of previous analytical results are being submitted with the renewal application.
3. Request consolidation of sampling locations for the Rock Crusher Site into one representative composite sample per sampling event. 5 years of previous analytical results are being submitted with the renewal application.

The permit application prepared by JMR+H is enclosed. The permit application fee of $5,615 will be submitted via check to ADEM.

Additional questions or comments should be addressed to Mr. Brad Curvin at (334)-523-4027 or emailed to bradley.n.curvin.nfg@army.mil.

Sincerely,

CLAY S. STRICKLAND
COL, EN, AL-ARNG
Construction and Facility Management Office

Enclosure

United States Environmental Protection Agency | Office of Water Washington, D.C. | EPA Form 3510-1 Revised 07/31/2023
Water Permits Division | OMB No. 2040-0004 Expires 07/31/2026

EPA Application Form 1
General Information
NPDES Permitting Program

Note: All applicants to the National Pollutant Discharge Elimination System (NPDES) permits program, with the exception of publicly owned treatment works and other treatment works treating domestic sewage, must complete Form 1. Additionally, all applicants must complete one or more of the following forms: 2B, 2C, 2D, 2E, or 2F. To determine the specific forms you must complete, consult the "General Instructions" for this form.

EPA Identification Number	NPDES Permit Number	Facility Name	OMB No. 2040-0004 Expires 07/31/2026
ALD981023716	AL0083941	Clarke Range	

Form 1 NPDES

EPA

U.S. Environmental Protection Agency
Application for NPDES Permit to Discharge Wastewater

GENERAL INFORMATION

SECTION 1. ACTIVITIES REQUIRING AN NPDES PERMIT (40 CFR 122.21(F) AND (F)(1))

Activities Requiring an NPDES Permit

1.1 Applicants *Not Required* to Submit Form 1

1.1.1	Is the facility a new or existing publicly owned treatment works or has your permitting authority directed you to submit Form 2A? If yes, STOP. Do NOT complete Form 1. Complete Form 2A. If the facility is also a treatment works treating domestic sewage, you must also complete Form 2S. ☑ No	1.1.2	Is the facility a sludge-only facility (i.e., a facility that does not discharge wastewater to surface waters)? If yes, STOP. Do NOT complete Form 1. Complete Form 2S. ☑ No

1.2 Applicants *Required* to Submit Form 1

1.2.1	Is the facility a concentrated animal feeding operation or a concentrated aquatic animal production facility? ☐ Yes → Complete Form 1 ***and*** Form 2B. ☑ No	1.2.2	Is the facility an **existing** manufacturing, commercial, mining, or silvicultural **facility** that **is currently discharging process wastewater**? ☐ Yes → Complete Form 1 ***and*** Form 2C. ☑ No
1.2.3	Is the facility a **new** manufacturing, commercial, mining, or silvicultural **facility** that has **not yet commenced to discharge**? ☐ Yes → Complete Form 1 ***and*** Form 2D. ☑ No	1.2.4	Is the facility a **new** or **existing** manufacturing, commercial, mining, or silvicultural **facility** that **discharges only nonprocess wastewater**? ☑ Yes → Complete Form 1 ***and*** Form 2E. ☐ No
1.2.5	Is the facility a **new or existing facility** whose discharge is composed entirely of **stormwater associated with industrial activity** or whose discharge is composed of **both stormwater and non-stormwater**? ☑ Yes → Complete Form 1 ***and*** Form 2F unless exempted by 40 CFR 122.26(b)(14)(x) or (b)(15). ☐ No	1.2.6	Is the facility a new or existing **treatment works treating domestic sewage** that discharges wastewater to surface waters? ☐ Yes → Complete Form 1, Form 2S, ***and*** any other applicable forms, as directed by your permitting authority. ☑ No

SECTION 2. NAME, MAILING ADDRESS, AND LOCATION (40 CFR 122.21(F)(2))

Name, Mailing Address, and Location

2.1 Facility Name

CLARKE RANGE (formerly Pelham Range)

2.2 EPA Identification Number

2.3 Facility Contact

Name (first and last)	Title	Phone number
Brad Curvin	Environmental Compliance Manager	(334) 523-4027

Email address

bradley.n.curvin.nfg@army.mil

Name, Mailing Address, and Location Continued

2.4 Facility Mailing Address

Street or P.O. box		
1720 Congressman Dickinson Drive		
City or town	**State**	**ZIP code**
Montgomery	AL	36109

2.5 Facility Location

Street, route number, or other specific identifier		
Gate 3 Road		
County name	**County code (if known)**	
Calhoun	015	
City or town	**State**	**ZIP code**
Alexandria	AL	36250

SECTION 3. SIC AND NAICS CODES (40 CFR 122.21(F)(3))

SIC and NAICS Codes

3.1

SIC Code(s)	Description (optional)
1794	Excavation Work

3.2

NAICS Code(s)	Description (optional)
611519	Specialized Military Training
928110	Military Bases and Camps

SECTION 4. OPERATOR INFORMATION (40 CFR 122.21(F)(4))

Operator Information

4.1 Name of Operator

Alabama Army National Guard

4.2 Is the name you listed in Item 4.1 also the owner?

☐ Yes ☑ No

4.3 Operator Status

☐ Public—federal ☑ Public—state ☐ Other public (specify)_____

☐ Private ☐ Other (specify) _____

4.4 Phone Number of Operator

(334) 450-0557

Operator Information Continued

4.5 **Operator Address**

Street or P.O. Box

1720 Congressman Dickinson Drive

City or town	State	ZIP code
Montgomery	AL	36109

Email address of operator

bradley.n.curvin.nfg@army.mil

SECTION 5. INDIAN LAND (40 CFR 122.21(F)(5))

Indian Land

5.1 Is the facility located on Indian Land?

☐ Yes ☑ No

SECTION 6. EXISTING ENVIRONMENTAL PERMITS (40 CFR 122.21(F)(6))

Existing Environmental Permits

6.1 **Existing Environmental Permits** (check all that apply and print or type the corresponding permit number for each)

☑ NPDES (discharges to surface water) AL0083941	☐ RCRA (hazardous wastes)	☐ UIC (underground injection of fluids)
☐ PSD (air emissions)	☐ Nonattainment program (CAA)	☐ NESHAPs (CAA)
☐ Ocean dumping (MPRSA)	☐ Dredge or fill (CWA Section 404)	☐ Other (specify)

SECTION 7. MAP (40 CFR 122.21(F)(7))

Map

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

☑ Yes ☐ CAFO—Not Applicable (See requirements in Form 2B.)

SECTION 8. NATURE OF BUSINESS (40 CFR 122.21(F)(8))

Nature of Business

8.1 Describe the nature of your business.

See Attachment A: Operational Description

See Attachments J - P: Maps

SECTION 9. COOLING WATER INTAKE STRUCTURES (40 CFR 122.21(F)(9))

Cooling Water Intake Structures

9.1 Does your facility use cooling water?

☐ Yes ☑ No → SKIP to Item 10.1.

9.2 Identify the source of cooling water. (Note that facilities that use a cooling water intake structure as described at 40 CFR 125, Subparts I and J may have additional application requirements at 40 CFR 122.21(r). Consult with your NPDES permitting authority to determine what specific information needs to be submitted and when.)

EPA Identification Number	NPDES Permit Number	Facility Name	OMB No. 2040-0004 Expires 07/31/2026
ALD981023716	AL0083941	Clarke Range	

SECTION 10. VARIANCE REQUESTS (40 CFR 122.21(F)(10))

Variance Requests

10.1 Do you intend to request or renew one or more of the variances authorized at 40 CFR 122.21(m)? (Check all that apply. Consult with your NPDES permitting authority to determine what information needs to be submitted and when.)

- ☐ Fundamentally different factors (CWA Section 301(n))
- ☐ Water quality related effluent limitations (CWA Section 302(b)(2))
- ☐ Non-conventional pollutants (CWA Section 301(c) and (g))
- ☐ Thermal discharges (CWA Section 316(a))
- ☑ Not applicable

SECTION 11. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(A) AND (D))

Checklist and Certification Statement

11.1 In Column 1 below, mark the sections of Form 1 that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments.

Column 1		Column 2
☑	Section 1: Activities Requiring an NPDES Permit	☐ w/ attachments
☑	Section 2: Name, Mailing Address, and Location	☐ w/ attachments
☑	Section 3: SIC Codes	☐ w/ attachments
☑	Section 4: Operator Information	☐ w/ attachments
☐	Section 5: Indian Land	☐ w/ attachments
☑	Section 6: Existing Environmental Permits	☐ w/ attachments
☑	Section 7: Map	☑ w/ topographic map ☑ w/ additional attachments
☑	Section 8: Nature of Business	☑ w/ attachments
☐	Section 9: Cooling Water Intake Structures	☐ w/ attachments
☐	Section 10.: Variance Requests	☐ w/ attachments
☑	Section 11: Checklist and Certification Statement	☐ w/ attachments

11.2 Provide the following certification. (See instructions to determine the appropriate person to sign the application.)

Certification Statement

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.

Name (print or type first and last name)	Official title
LTC Dustin P. Chassé	Training Center Director
Signature	**Date signed**
Digitally signed by CHASSE.DUSTIN.PHILIP.1006783631	06/22/2026

United States Environmental Protection Agency | Office of Water Washington, D.C. | EPA Form 3510-2C Revised 07/31/2023
Water Permits Division | OMB No. 2040-0004 Expires 07/31/2026

EPA Application Form 2C

Existing Manufacturing, Commercial, Mining, and Silvicultural Operations

NPDES Permitting Program

Note: Complete this form ***and*** Form 1 if your facility is an existing manufacturing, commercial, mining, or silvicultural facility that currently discharges process wastewater.

EPA Identification Number	NPDES Permit Number	Facility Name	OMB No. 2040-0004 Expires 07/31/2026
ALD981023716	AL0083941	Clarke Range (Formerly Pelham)	

Form 2C NPDES

EPA

U.S. Environmental Protection Agency
Application for NPDES Permit to Discharge Wastewater
EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURE OPERATIONS

SECTION 1. OUTFALL LOCATION (40 CFR 122.21(G)(1))

Outfall Location

1.1 Provide information on each of the facility's outfalls in the table below.

Outfall Number	Receiving Water Name	Latitude	Longitude
	Attachment D		

SECTION 2. LINE DRAWING (40 CFR 122.21(G)(2))

Line Drawing

2.1 Have you attached a line drawing to this application that shows the water flow through your facility with a water balance? (See instructions for drawing requirements. See Exhibit 2C–1 at end of instructions for example.)

☑ Yes Refer to Attachment E

SECTION 3. AVERAGE FLOWS AND TREATMENT (40 CFR 122.21(G)(3))

Average Flows and Treatment

3.1 For each outfall identified under Item 1.1, provide average flow and treatment information. Add additional sheets if necessary.

****Outfall Number**** _____

Operations Contributing to Flow

Operation	Average Flow
See Attachment F	mgd
	mgd
	mgd
	mgd

Treatment Units

Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Exhibit 2C–2	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
See Attachment F		

Average Flows and Treatment Continued

3.1 cont.

****Outfall Number**** _____

Operations Contributing to Flow

Operation	Average Flow
See Attachment F	mgd
	mgd
	mgd
	mgd

Treatment Units

Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Exhibit 2C–2	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
See Attachment F		

****Outfall Number**** _____

Operations Contributing to Flow

Operation	Average Flow
See Attachment F	mgd
	mgd
	mgd
	mgd

Treatment Units

Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Exhibit 2C–2	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
See Attachment F		

System Users

3.2 Are you applying for an NPDES permit to operate a privately owned treatment works?

☐ Yes ☑ No ➔ SKIP to Section 4.

3.3 Have you attached a list that identifies each user of the treatment works?

☐ Yes

SECTION 4. INTERMITTENT FLOWS (40 CFR 122.21(G)(4))

Intermittent Flows

4.1 Except for storm runoff, leaks, or spills, are any discharges described in Sections 1 and 3 intermittent or seasonal?

☑ Yes ☐ No → SKIP to Section 5.

4.2 Provide information on intermittent or seasonal flows for each applicable outfall. Attach additional pages, if necessary.

Outfall Number	Operation (list)	Frequency		Flow Rate		Duration
		Average Days/Week	Average Months/Year	Long-Term Average	Maximum Daily	
ATTACH.G		days/week	months/year	mgd	mgd	days
		days/week	months/year	mgd	mgd	days
		days/week	months/year	mgd	mgd	days
ATTACH.G		days/week	months/year	mgd	mgd	days
		days/week	months/year	mgd	mgd	days
		days/week	months/year	mgd	mgd	days
ATTACH.G		days/week	months/year	mgd	mgd	days
		days/week	months/year	mgd	mgd	days
		days/week	months/year	mgd	mgd	days

SECTION 5. PRODUCTION (40 CFR 122.21(G)(5))

Applicable ELGs

5.1 Do any effluent limitation guidelines (ELGs) promulgated by EPA under Section 304 of the CWA apply to your facility?

☐ Yes ☑ No → SKIP to Section 6.

5.2 Provide the following information on applicable ELGs.

ELG Category	ELG Subcategory	Regulatory Citation

Production-Based Limitations

5.3 Are any of the applicable ELGs expressed in terms of production (or other measure of operation)?

☐ Yes ☐ No → SKIP to Section 6.

5.4 Provide an actual measure of daily production expressed in terms and units of applicable ELGs.

Outfall Number	Operation, Product, or Material	Quantity per Day	Unit of Measure

5.5 Are you requesting alternative limits based on an anticipated increase in the actual production during the next permit term? (Consult with your NPDES permitting authority to determine what information needs to be submitted and when.)

☐ Yes ☑ No

SECTION 6. IMPROVEMENTS (40 CFR 122.21(G)(6))

Upgrades and Improvements

6.1 Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application?

☑ Yes ☐ No ➔ SKIP to Item 6.3.

6.2 Briefly identify each applicable project in the table below.

Brief Identification and Description of Project	Affected Outfalls (list outfall number)	Source(s) of Discharge	Final Compliance Dates	
			Required	Projected

6.3 Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? *(optional item)*

☐ Yes ☐ No ☑ Not applicable

SECTION 7. EFFLUENT AND INTAKE CHARACTERISTICS (40 CFR 122.21(G)(7))

Effluent and Intake Characteristics

See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table. **REFER TO ATTACHMENT H**

Table A. Conventional and Non-Conventional Pollutants

7.1 Are you requesting a waiver from your NPDES permitting authority for any Table A pollutants for any of your outfalls?

☐ Yes ☑ No ➔ SKIP to Item 7.3.

7.2 If yes, indicate the applicable outfalls below or check the appropriate box to indicate that you are requesting a waiver for all outfalls. Attach waiver request and other required information to the application.

Outfall number _____ Outfall number _____ Outfall number _____

☐ I am requesting a waiver for some pollutants at all outfalls.

☐ I am requesting a waiver for all pollutants at all outfalls ➔ SKIP to Item 7.4.

7.3 Have you completed monitoring for all Table A pollutants at each of your outfalls for which a waiver has not been requested and attached the results to this application package?

☑ Yes

Table B. Toxic Metals, Cyanide, Total Phenols, and Organic Toxic Pollutants

7.4 Do any of the facility's processes that contribute wastewater fall into one or more of the primary industry categories listed in Exhibit 2C–3? (See end of instructions for exhibit.)

☑ Yes ☐ No ➔ SKIP to Item 7.8.

7.5 Have you checked "Testing Required" for all toxic metals, cyanide, and total phenols in Section 1 of Table B?

☑ Yes

Effluent and Intake Characteristics Continued

7.6 List the applicable primary industry categories and check the boxes indicating the required GC/MS fraction(s) identified in Exhibit 2C–3.

Primary Industry Category	Required GC/MS Fraction(s) (check applicable boxes)
	☐ Volatile ☐ Acid ☐ Base/neutral ☐ Pesticide
	☐ Volatile ☐ Acid ☐ Base/neutral ☐ Pesticide
	☐ Volatile ☐ Acid ☐ Base/neutral ☐ Pesticide

7.7 Have you checked "Testing Required" for all required pollutants in Sections 2 through 5 of Table B for each of the GC/MS fractions checked in Item 7.6?

☑ Yes

7.8 Have you checked "Believed Present" or "Believed Absent" for all pollutants listed in Sections 1 through 5 of Table B where testing is not required?

☑ Yes

7.9 Have you provided (1) quantitative data for those Section 1, Table B, pollutants for which you have indicated testing is required or (2) quantitative data or other required information for those Section 1, Table B, pollutants that you have indicated are "Believed Present" in your discharge?

☑ Yes

7.10 Does the applicant qualify for a small business exemption under the criteria specified in the instructions?

☐ Yes ➔ Note that you qualify at the top of Table B, then SKIP to Item 7.12. ☑ No

7.11 Have you provided (1) quantitative data for those Sections 2 through 5, Table B, pollutants for which you have determined testing is required or (2) quantitative data or an explanation for those Sections 2 through 5, Table B, pollutants you have indicated are "Believed Present" in your discharge?

☑ Yes **REFER TO ATTACHMENTS Q-S**

Table C. Certain Conventional and Non-Conventional Pollutants

7.12 Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table C for all outfalls?

☑ Yes

7.13 Have you completed Table C by providing quantitative data for those pollutants that are limited either directly or indirectly in an ELG? You must provide quantitative data even if the pollutant is "Believed Absent."

☑ Yes ☐ Not applicable

7.14 Have you completed Table C by providing quantitative data or an explanation for those pollutants for which you have indicated "Believed Present"?

☑ Yes **REFER TO ATTACHMENTS Q-S**

Table D. Certain Hazardous Substances and Asbestos

7.15 Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table D for all outfalls?

☑ Yes

7.16 Have you completed Table D by (1) describing the reasons the applicable pollutants are expected to be discharged and (2) providing quantitative data, if available?

☑ Yes ☐ No

Table E. 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD)

7.17 Does the facility use or manufacture one or more of the 2,3,7,8-TCDD congeners listed in the instructions, or do you know or have reason to believe that TCDD is or may be present in the effluent?

☐ Yes ➔ Complete Table E. ☑ No ➔ SKIP to Section 8.

7.18 Have you completed Table E by reporting *qualitative* data for TCDD?

☐ Yes

SECTION 8. USED OR MANUFACTURED TOXICS (40 CFR 122.21(G)(9))

Used or Manufactured Toxics

8.1 Is any pollutant listed in Table B a substance or a component of a substance used or manufactured at your facility as an intermediate or final product or byproduct?

☐ Yes ☑ No → SKIP to Section 9.

8.2 List the pollutants below. Attach additional sheets, if necessary.

1.	4.	7.
2.	5.	8.
3.	6.	9.

SECTION 9. BIOLOGICAL TOXICITY TESTS (40 CFR 122.21(G)(11))

Biological Toxicity Tests

9.1 Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made within the last three years on (1) any of your discharges or (2) a receiving water in relation to your discharge?

☐ Yes ☑ No → SKIP to Section 10.

9.2 Identify the tests and their purposes below.

Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?	Date Submitted
		☐ Yes ☐ No	
		☐ Yes ☐ No	
		☐ Yes ☐ No	

SECTION 10. CONTRACT ANALYSES (40 CFR 122.21(G)(12))

Contract Analyses

10.1 Were any of the analyses reported in Section 7 performed by a contract laboratory or consulting firm?

☐ Yes ☑ No → SKIP to Section 11.

10.2 Provide information for each contract laboratory or consulting firm below.

	Laboratory Number 1	Laboratory Number 2	Laboratory Number 3
Name of laboratory/firm			
Laboratory address			
Phone number			
Pollutant(s) analyzed			

SECTION 11. ADDITIONAL INFORMATION (40 CFR 122.21(G)(13))

Additional Information

11.1 Has the NPDES permitting authority requested additional information?

☐ Yes ☑ No → SKIP to Section 12.

11.2 List the information requested and attach it to this application.

1.	4.
2.	5.
3.	6.

SECTION 12. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(A) AND (D))

Checklist and Certification Statement

12.1 In Column 1 below, mark the sections of Form 2C that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.

Column 1	Column 2
☑ Section 1: Outfall Location	☑ w/ attachments
☑ Section 2: Line Drawing	☑ w/ line drawing ☑ w/ additional attachments
☑ Section 3: Average Flows and Treatment	☑ w/ attachments ☐ w/ list of each user of privately owned treatment works
☑ Section 4: Intermittent Flows	☑ w/ attachments
☐ Section 5: Production	☐ w/ attachments
☐ Section 6: Improvements	☐ w/ attachments ☐ w/ optional additional sheets describing any additional pollution control plans
☑ Section 7: Effluent and Intake Characteristics	☐ w/ request for a waiver and supporting information ☐ w/ explanation for identical outfalls ☐ w/ small business exemption request ☑ w/ other attachments ☐ w/ Table A ☐ w/ Table B ☐ w/ Table C ☐ w/ Table D ☐ w/ Table E ☑ w/ analytical results as an attachment
☐ Section 8: Used or Manufactured Toxics	☐ w/ attachments
☐ Section 9: Biological Toxicity Tests	☐ w/ attachments
☐ Section 10: Contract Analyses	☐ w/ attachments
☐ Section 11: Additional Information	☐ w/ attachments
☑ Section 12: Checklist and Certification Statement	☑ w/ attachments

EPA Identification Number	NPDES Permit Number	Facility Name	OMB No. 2040-0004 Expires 07/31/2026
ALD981023716	AL0083941	Clarke Range (Formerly Pelham)	

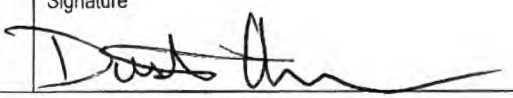
SECTION 12. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d)) (Continued)

Checklist and Certification Statement

12.2 Provide the following certification. (See instructions to determine the appropriate person to sign the application.)

Certification Statement

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.

Name (print or type first and last name)	Official title
LTC Dustin P. Chassé	Training Center Director
Signature	Date signed
	10/02/2025

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALD981023716	AL0083941	Clarke Range (Formerly Pelham)	Refer to Attachment O-Q

OMB No. 2040-0004
Expires 07/31/2026

TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(iii))[1]

	Pollutant	Waiver Requested (if applicable)	Units (specify)		Effluent				Intake (optional)	
					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 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							
			Mass							
2.	Chemical oxygen demand (COD)	☐	Concentration							
			Mass							
3.	Total organic carbon (TOC)	☐	Concentration							
			Mass							
4.	Total suspended solids (TSS)	☐	Concentration							
			Mass							
5.	Ammonia (as N)	☐	Concentration							
			Mass							
6.	Flow	☐	Rate							
7.	Temperature (winter)	☐	°C	°C						
	Temperature (summer)	☐	°C	°C						
8.	pH (minimum)	☐	Standard units	s.u.						
	pH (maximum)	☐	Standard units	s.u.						

[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
ALD981023716	AL0083941	Clarke Range (Formerly Pelham)	Refer to Attachment O-Q

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						
					Mass						
1.2	Arsenic, total (7440-38-2)	☐	☐	☐	Concentration						
					Mass						
1.3	Beryllium, total (7440-41-7)	☐	☐	☐	Concentration						
					Mass						
1.4	Cadmium, total (7440-43-9)	☐	☐	☐	Concentration						
					Mass						
1.5	Chromium, total (7440-47-3)	☐	☐	☐	Concentration						
					Mass						
1.6	Copper, total (7440-50-8)	☐	☐	☐	Concentration						
					Mass						
1.7	Lead, total (7439-92-1)	☐	☐	☐	Concentration						
					Mass						
1.8	Mercury, total (7439-97-6)	☐	☐	☐	Concentration						
					Mass						
1.9	Nickel, total (7440-02-0)	☐	☐	☐	Concentration						
					Mass						
1.10	Selenium, total (7782-49-2)	☐	☐	☐	Concentration						
					Mass						
1.11	Silver, total (7440-22-4)	☐	☐	☐	Concentration						
					Mass						

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALD981023716	AL0083941	Clarke Range (Formerly Pelham)	Refer to Attachment O-Q

OMB No. 2040-0004
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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							
					Mass							
1.13	Zinc, total (7440-66-6)	☐	☐	☐	Concentration							
					Mass							
1.14	Cyanide, total (57-12-5)	☐	☐	☐	Concentration							
					Mass							
1.15	Phenols, total	☐	☐	☐	Concentration							
					Mass							
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
ALD981023716	AL0083941	Clarke Range (Formerly Pelham)	Refer to Attachment O-Q

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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
2.9	2-chloroethylvinyl ether (110-75-8)	☐	☐	☐	Concentration							
					Mass							
2.10	Chloroform (67-66-3)	☐	☐	☐	Concentration							
					Mass							
2.11	Dichlorobromomethane (75-27-4)	☐	☐	☐	Concentration							
					Mass							
2.12	1,1-dichloroethane (75-34-3)	☐	☐	☐	Concentration							
					Mass							
2.13	1,2-dichloroethane (107-06-2)	☐	☐	☐	Concentration							
					Mass							
2.14	1,1-dichloroethylene (75-35-4)	☐	☐	☐	Concentration							
					Mass							
2.15	1,2-dichloropropane (78-87-5)	☐	☐	☐	Concentration							
					Mass							
2.16	1,3-dichloropropylene (542-75-6)	☐	☐	☐	Concentration							
					Mass							
2.17	Ethylbenzene (100-41-4)	☐	☐	☐	Concentration							
					Mass							
2.18	Methyl bromide (74-83-9)	☐	☐	☐	Concentration							
					Mass							
2.19	Methyl chloride (74-87-3)	☐	☐	☐	Concentration							
					Mass							
2.20	Methylene chloride (75-09-2)	☐	☐	☐	Concentration							
					Mass							
2.21	1,1,2,2- tetrachloroethane (79-34-5)	☐	☐	☐	Concentration							
					Mass							

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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
2.22	Tetrachloroethylene (127-18-4)	☐	☐	☐	Concentration							
					Mass							
2.23	Toluene (108-88-3)	☐	☐	☐	Concentration							
					Mass							
2.24	1,2-trans-dichloroethylene (156-60-5)	☐	☐	☐	Concentration							
					Mass							
2.25	1,1,1-trichloroethane (71-55-6)	☐	☐	☐	Concentration							
					Mass							
2.26	1,1,2-trichloroethane (79-00-5)	☐	☐	☐	Concentration							
					Mass							
2.27	Trichloroethylene (79-01-6)	☐	☐	☐	Concentration							
					Mass							
2.28	Vinyl chloride (75-01-4)	☐	☐	☐	Concentration							
					Mass							
Section 3. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)												
3.1	2-chlorophenol (95-57-8)	☐	☐	☐	Concentration							
					Mass							
3.2	2,4-dichlorophenol (120-83-2)	☐	☐	☐	Concentration							
					Mass							
3.3	2,4-dimethylphenol (105-67-9)	☐	☐	☐	Concentration							
					Mass							
3.4	4,6-dinitro-o-cresol (534-52-1)	☐	☐	☐	Concentration							
					Mass							
3.5	2,4-dinitrophenol (51-28-5)	☐	☐	☐	Concentration							
					Mass							

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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
3.6	2-nitrophenol (88-75-5)	☐	☐	☐	Concentration							
					Mass							
3.7	4-nitrophenol (100-02-7)	☐	☐	☐	Concentration							
					Mass							
3.8	p-chloro-m-cresol (59-50-7)	☐	☐	☐	Concentration							
					Mass							
3.9	Pentachlorophenol (87-86-5)	☐	☐	☐	Concentration							
					Mass							
3.10	Phenol (108-95-2)	☐	☐	☐	Concentration							
					Mass							
3.11	2,4,6-trichlorophenol (88-05-2)	☐	☐	☐	Concentration							
					Mass							
Section 4. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)												
4.1	Acenaphthene (83-32-9)	☐	☐	☐	Concentration							
					Mass							
4.2	Acenaphthylene (208-96-8)	☐	☐	☐	Concentration							
					Mass							
4.3	Anthracene (120-12-7)	☐	☐	☐	Concentration							
					Mass							
4.4	Benzidine (92-87-5)	☐	☐	☐	Concentration							
					Mass							
4.5	Benzo (a) anthracene (56-55-3)	☐	☐	☐	Concentration							
					Mass							
4.6	Benzo (a) pyrene (50-32-8)	☐	☐	☐	Concentration							
					Mass							

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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
4.7	3,4-benzofluoranthene (205-99-2)	☐	☐	☐	Concentration							
					Mass							
4.8	Benzo (ghi) perylene (191-24-2)	☐	☐	☐	Concentration							
					Mass							
4.9	Benzo (k) fluoranthene (207-08-9)	☐	☐	☐	Concentration							
					Mass							
4.10	Bis (2-chloroethoxy) methane (111-91-1)	☐	☐	☐	Concentration							
					Mass							
4.11	Bis (2-chloroethyl) ether (111-44-4)	☐	☐	☐	Concentration							
					Mass							
4.12	Bis (2-chloroisopropyl) ether (102-80-1)	☐	☐	☐	Concentration							
					Mass							
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)	☐	☐	☐	Concentration							
					Mass							
4.14	4-bromophenyl phenyl ether (101-55-3)	☐	☐	☐	Concentration							
					Mass							
4.15	Butyl benzyl phthalate (85-68-7)	☐	☐	☐	Concentration							
					Mass							
4.16	2-chloronaphthalene (91-58-7)	☐	☐	☐	Concentration							
					Mass							
4.17	4-chlorophenyl phenyl ether (7005-72-3)	☐	☐	☐	Concentration							
					Mass							
4.18	Chrysene (218-01-9)	☐	☐	☐	Concentration							
					Mass							
4.19	Dibenzo (a,h) anthracene (53-70-3)	☐	☐	☐	Concentration							
					Mass							

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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
4.20	1,2-dichlorobenzene (95-50-1)	☐	☐	☐	Concentration							
					Mass							
4.21	1,3-dichlorobenzene (541-73-1)	☐	☐	☐	Concentration							
					Mass							
4.22	1,4-dichlorobenzene (106-46-7)	☐	☐	☐	Concentration							
					Mass							
4.23	3,3-dichlorobenzidine (91-94-1)	☐	☐	☐	Concentration							
					Mass							
4.24	Diethyl phthalate (84-66-2)	☐	☐	☐	Concentration							
					Mass							
4.25	Dimethyl phthalate (131-11-3)	☐	☐	☐	Concentration							
					Mass							
4.26	Di-n-butyl phthalate (84-74-2)	☐	☐	☐	Concentration							
					Mass							
4.27	2,4-dinitrotoluene (121-14-2)	☐	☐	☐	Concentration							
					Mass							
4.28	2,6-dinitrotoluene (606-20-2)	☐	☐	☐	Concentration							
					Mass							
4.29	Di-n-octyl phthalate (117-84-0)	☐	☐	☐	Concentration							
					Mass							
4.30	1,2-Diphenylhydrazine (as azobenzene) (122-66-7)	☐	☐	☐	Concentration							
					Mass							
4.31	Fluoranthene (206-44-0)	☐	☐	☐	Concentration							
					Mass							
4.32	Fluorene (86-73-7)	☐	☐	☐	Concentration							
					Mass							

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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
4.33	Hexachlorobenzene (118-74-1)	☐	☐	☐	Concentration							
					Mass							
4.34	Hexachlorobutadiene (87-68-3)	☐	☐	☐	Concentration							
					Mass							
4.35	Hexachlorocyclopentadiene (77-47-4)	☐	☐	☐	Concentration							
					Mass							
4.36	Hexachloroethane (67-72-1)	☐	☐	☐	Concentration							
					Mass							
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)	☐	☐	☐	Concentration							
					Mass							
4.38	Isophorone (78-59-1)	☐	☐	☐	Concentration							
					Mass							
4.39	Naphthalene (91-20-3)	☐	☐	☐	Concentration							
					Mass							
4.40	Nitrobenzene (98-95-3)	☐	☐	☐	Concentration							
					Mass							
4.41	N-nitrosodimethylamine (62-75-9)	☐	☐	☐	Concentration							
					Mass							
4.42	N-nitrosodi-n-propylamine (621-64-7)	☐	☐	☐	Concentration							
					Mass							
4.43	N-nitrosodiphenylamine (86-30-6)	☐	☐	☐	Concentration							
					Mass							
4.44	Phenanthrene (85-01-8)	☐	☐	☐	Concentration							
					Mass							
4.45	Pyrene (129-00-0)	☐	☐	☐	Concentration							
					Mass							

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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
4.46	1,2,4-trichlorobenzene (120-82-1)	☐	☐	☐	Concentration							
					Mass							
Section 5. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)												
5.1	Aldrin (309-00-2)	☐	☐	☐	Concentration							
					Mass							
5.2	α-BHC (319-84-6)	☐	☐	☐	Concentration							
					Mass							
5.3	β-BHC (319-85-7)	☐	☐	☐	Concentration							
					Mass							
5.4	γ-BHC (58-89-9)	☐	☐	☐	Concentration							
					Mass							
5.5	δ-BHC (319-86-8)	☐	☐	☐	Concentration							
					Mass							
5.6	Chlordane (57-74-9)	☐	☐	☐	Concentration							
					Mass							
5.7	4,4'-DDT (50-29-3)	☐	☐	☐	Concentration							
					Mass							
5.8	4,4'-DDE (72-55-9)	☐	☐	☐	Concentration							
					Mass							
5.9	4,4'-DDD (72-54-8)	☐	☐	☐	Concentration							
					Mass							
5.10	Dieldrin (60-57-1)	☐	☐	☐	Concentration							
					Mass							
5.11	α-endosulfan (115-29-7)	☐	☐	☐	Concentration							
					Mass							

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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
5.12	β-endosulfan (115-29-7)	☐	☐	☐	Concentration							
					Mass							
5.13	Endosulfan sulfate (1031-07-8)	☐	☐	☐	Concentration							
					Mass							
5.14	Endrin (72-20-8)	☐	☐	☐	Concentration							
					Mass							
5.15	Endrin aldehyde (7421-93-4)	☐	☐	☐	Concentration							
					Mass							
5.16	Heptachlor (76-44-8)	☐	☐	☐	Concentration							
					Mass							
5.17	Heptachlor epoxide (1024-57-3)	☐	☐	☐	Concentration							
					Mass							
5.18	PCB-1242 (53469-21-9)	☐	☐	☐	Concentration							
					Mass							
5.19	PCB-1254 (11097-69-1)	☐	☐	☐	Concentration							
					Mass							
5.20	PCB-1221 (11104-28-2)	☐	☐	☐	Concentration							
					Mass							
5.21	PCB-1232 (11141-16-5)	☐	☐	☐	Concentration							
					Mass							
5.22	PCB-1248 (12672-29-6)	☐	☐	☐	Concentration							
					Mass							
5.23	PCB-1260 (11096-82-5)	☐	☐	☐	Concentration							
					Mass							
5.24	PCB-1016 (12674-11-2)	☐	☐	☐	Concentration							
					Mass							

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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
5.25	Toxaphene (8001-35-2)	☐	☐	☐	Concentration							
					Mass							

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

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TABLE 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						
				Mass						
2.	Chlorine, total residual	☐	☐	Concentration						
				Mass						
3.	Color	☐	☐	Concentration						
				Mass						
4.	Fecal coliform	☐	☐	Concentration						
				Mass						
5.	Fluoride (16984-48-8)	☐	☐	Concentration						
				Mass						
6	Nitrate-nitrite	☐	☐	Concentration						
				Mass						
7.	Nitrogen, total organic (as N)	☐	☐	Concentration						
				Mass						
8.	Oil and grease	☐	☐	Concentration						
				Mass						
9.	Phosphorus (as P), total (7723-14-0)	☐	☐	Concentration						
				Mass						
10.	Sulfate (as SO_4) (14808-79-8)	☐	☐	Concentration						
				Mass						
11.	Sulfide (as S)	☐	☐	Concentration						
				Mass						

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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							
				Mass							
13.	Surfactants	☐	☐	Concentration							
				Mass							
14.	Aluminum, total (7429-90-5)	☐	☐	Concentration							
				Mass							
15.	Barium, total (7440-39-3)	☐	☐	Concentration							
				Mass							
16.	Boron, total (7440-42-8)	☐	☐	Concentration							
				Mass							
17.	Cobalt, total (7440-48-4)	☐	☐	Concentration							
				Mass							
18.	Iron, total (7439-89-6)	☐	☐	Concentration							
				Mass							
19.	Magnesium, total (7439-95-4)	☐	☐	Concentration							
				Mass							
20.	Molybdenum, total (7439-98-7)	☐	☐	Concentration							
				Mass							
21.	Manganese, total (7439-96-5)	☐	☐	Concentration							
				Mass							
22.	Tin, total (7440-31-5)	☐	☐	Concentration							
				Mass							
23.	Titanium, total (7440-32-6)	☐	☐	Concentration							
				Mass							

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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						
				Mass						
	Beta, total	☐	☐	Concentration						
				Mass						
	Radium, total	☐	☐	Concentration						
				Mass						
	Radium 226, total	☐	☐	Concentration						
				Mass						

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

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TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
1.	Asbestos	☐	☐		
2.	Acetaldehyde	☐	☐		
3.	Allyl alcohol	☐	☐		
4.	Allyl chloride	☐	☐		
5.	Amyl acetate	☐	☐		
6.	Aniline	☐	☐		
7.	Benzonitrile	☐	☐		
8.	Benzyl chloride	☐	☐		
9.	Butyl acetate	☐	☐		
10.	Butylamine	☐	☐		
11.	Captan	☐	☐		
12.	Carbaryl	☐	☐		
13.	Carbofuran	☐	☐		
14.	Carbon disulfide	☐	☐		
15.	Chlorpyrifos	☐	☐		
16.	Coumaphos	☐	☐		
17.	Cresol	☐	☐		
18.	Crotonaldehyde	☐	☐		
19.	Cyclohexane	☐	☐		

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALD981023716	AL0083941	Clarke Range (Formerly Pelham)	Refer to Attachment O-Q

OMB No. 2040-0004
Expires 07/31/2026

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
20.	2,4-D (2,4-dichlorophenoxyacetic acid)	☐	☐		
21.	Diazinon	☐	☐		
22.	Dicamba	☐	☐		
23.	Dichlobenil	☐	☐		
24.	Dichlone	☐	☐		
25.	2,2-dichloropropionic acid	☐	☐		
26.	Dichlorvos	☐	☐		
27.	Diethyl amine	☐	☐		
28.	Dimethyl amine	☐	☐		
29.	Dintrobenzene	☐	☐		
30.	Diquat	☐	☐		
31.	Disulfoton	☐	☐		
32.	Diuron	☐	☐		
33.	Epichlorohydrin	☐	☐		
34.	Ethion	☐	☐		
35.	Ethylene diamine	☐	☐		
36.	Ethylene dibromide	☐	☐		
37.	Formaldehyde	☐	☐		
38.	Furfural	☐	☐		

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
39.	Guthion	☐	☐		
40.	Isoprene	☐	☐		
41.	Isopropanolamine	☐	☐		
42.	Kelthane	☐	☐		
43.	Kepone	☐	☐		
44.	Malathion	☐	☐		
45.	Mercaptodimethur	☐	☐		
46.	Methoxychlor	☐	☐		
47.	Methyl mercaptan	☐	☐		
48.	Methyl methacrylate	☐	☐		
49.	Methyl parathion	☐	☐		
50.	Mevinphos	☐	☐		
51.	Mexacarbate	☐	☐		
52.	Monoethyl amine	☐	☐		
53.	Monomethyl amine	☐	☐		
54.	Naled	☐	☐		
55.	Naphthenic acid	☐	☐		
56.	Nitrotoluene	☐	☐		
57.	Parathion	☐	☐		

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALD981023716	AL0083941	Clarke Range (Formerly Pelham)	Refer to Attachment O-Q

OMB No. 2040-0004
Expires 07/31/2026

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
58.	Phenolsulfonate	☐	☐		
59.	Phosgene	☐	☐		
60.	Propargite	☐	☐		
61.	Propylene oxide	☐	☐		
62.	Pyrethrins	☐	☐		
63.	Quinoline	☐	☐		
64.	Resorcinol	☐	☐		
65.	Strontium	☐	☐		
66.	Strychnine	☐	☐		
67.	Styrene	☐	☐		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	☐	☐		
69.	TDE (tetrachlorodiphenyl ethane)	☐	☐		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]	☐	☐		
71.	Trichlorofon	☐	☐		
72.	Triethanolamine	☐	☐		
73.	Triethylamine	☐	☐		
74.	Trimethylamine	☐	☐		
75.	Uranium	☐	☐		
76.	Vanadium	☐	☐		

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALD981023716	AL0083941	Clarke Range (Formerly Pelham)	Refer to Attachment O-Q

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
77.	Vinyl acetate	☐	☐		
78.	Xylene	☐	☐		
79.	Xylenol	☐	☐		
80.	Zirconium	☐	☐		

[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
ALD981023716	AL0083941	Clarke Range (Formerly Pelham)	Refer to Attachment O-Q

OMB No. 2040-0004
Expires 07/31/2026

TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))

Pollutant	TCDD Congeners Used or Manufactured	Presence or Absence (check one)		Results of Screening Procedure
		Believed Present	Believed Absent	
2,3,7,8-TCDD	☐	☐	☐	

United States Environmental Protection Agency | Office of Water Washington, D.C. | EPA Form 3510-2F Revised 07/31/2023
Water Permits Division | OMB No. 2040-0004 Expires 07/31/2026

EPA Application Form 2F
Stormwater Discharges Associated with Industrial Activity
NPDES Permitting Program

Note: Complete this form ***and*** Form 1 if you are a new or existing facility whose discharge is composed entirely of stormwater associated with industrial activity, excluding discharges from construction activity under 40 CFR 122.26(b)(14)(x) or (b)(15). If your discharge is composed of stormwater *and* non-stormwater, you must complete Forms 1 and 2F, *and* you must complete Form 2C, 2D, or 2E, as appropriate. See the "Instructions" inside for further details.

EPA Identification Number	NPDES Permit Number	Facility Name	OMB No. 2040-0004 Expires 07/31/2026
	AL0083941	Clarke Range	

Form 2F NPDES

U.S Environmental Protection Agency
Application for NPDES Permit to Discharge Wastewater

STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY

SECTION 1. OUTFALL LOCATION (40 CFR 122.21(G)(1))

Outfall Location

1.1 Provide information on each of the facility's outfalls in the table below

Outfall Number	Receiving Water Name	Latitude	Longitude
	Refer to Attachment J-P		

SECTION 2. IMPROVEMENTS (40 CFR 122.21(G)(6))

Improvements

2.1 Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application?

☑ Yes ☐ No ➔ SKIP to Section 3.

2.2 Briefly identify each applicable project in the table below.

Brief Identification and Description of Project	Affected Outfalls (list outfall numbers)	Source(s) of Discharge	Final Compliance Dates	
			Required	Projected
COMPLETED PROJECT	DSN001-Q	OIL WATER SEPARATOR, UTES WASH RACK REPAIR DISCHARGE	5/14/20	

2.3 Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? *(optional item)*

☐ Yes ☑ No

EPA Identification Number	NPDES Permit Number	Facility Name	OMB No. 2040-0004 Expires 07/31/2026
	AL0083941	Clarke Range	

SECTION 3. SITE DRAINAGE MAP (40 CFR 122.26(C)(1)(I)(A))

Site Drainage Map

3.1 Have you attached a site drainage map containing all required information to this application? (See instructions for specific guidance.)

☑ Yes

SECTION 4. POLLUTANT SOURCES (40 CFR 122.26(C)(1)(I)(B))

Pollutant Sources

4.1 Provide information on the facility's pollutant sources in the table below.

Outfall Number	Impervious Surface Area (within a mile radius of the facility)		Total Surface Area Drained (within a mile radius of the facility)	
DSN001-Q	107,644	specify units SY		specify units
DSN003-S - D	2,827	specify units SY		specify units
DSN007-S		specify units	16,414	specify units SY
		specify units		specify units
		specify units		specify units
		specify units		specify units

4.2 Provide a narrative description of the facility's significant material in the space below. (See instructions for content requirements.)

DSN001-Q STORM WATER DISCHARGE / OIL WATER SEPARATOR HAS BEEN RENOVATED AND PIPED DIRECTLY TO CREEK
DSN003-S - DSN006-S STORM WATER DISCHARGE
DSN007-S STORM WATER DISCHARGE

4.3 Provide the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff. (See instructions for specific guidance.)

Stormwater Treatment		
Outfall Number	Control Measures and Treatment	Codes from Exhibit 2F-1 (list)
DSN001-Q	SETTLING BASINS / OIL WATER SEPARATOR	1-U, 1-M
DSN003-S - D	SEDIMENT PONDS	1-U
DSN007-S	SEDIMENT PONDS	1-U

SECTION 5. NON STORMWATER DISCHARGES (40 CFR 122.26(C)(1)(I)(C))

Non-Stormwater Discharges

5.1 Provide the following certification. (See instructions to determine the appropriate person to sign the application.)

I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-stormwater discharges. Moreover, I certify that the outfalls identified as having non-stormwater discharges are described in either an accompanying NPDES Form 2C, 2D, or 2E application.

Name (print or type first and last name)	Official title
LTC Dustin P. Chassé	Training Site Director
Signature	**Date signed**

5.2 Provide the testing information requested in the table below.

Outfall Number	Description of Testing Method Used	Date(s) of Testing	Onsite Drainage Points Directly Observed During Test
	REFER TO ATTACHMENT	05/07/2026	DSN001-Q, DN003-S, DSI

SECTION 6. SIGNIFICANT LEAKS OR SPILLS (40 CFR 122.26(C)(1)(I)(D))

Significant Leaks or Spills

6.1 Describe any significant leaks or spills of toxic or hazardous pollutants in the last three years.

NONE

SECTION 7. DISCHARGE INFORMATION (40 CFR 122.26(C)(1)(I)(E))

Discharge Information

See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.

7.1 Is this a new source or new discharge?

☐ Yes ➔ See instructions regarding submission of *estimated* data.

☑ No ➔ See instructions regarding submission of *actual* data.

Tables A, B, C, and D

7.2 Have you completed Table A for each outfall?

☑ Yes ATTACHMENT Q-S

Discharge Information Continued

7.3	Is the facility subject to an effluent limitation guideline (ELG) or effluent limitations in an NPDES permit for its process wastewater? ☐ Yes ☑ No ➔ SKIP to Item 7.5.
7.4	Have you completed Table B by providing quantitative data for those pollutants that are (1) limited either directly or indirectly in an ELG and/or (2) subject to effluent limitations in an NPDES permit for the facility's process wastewater? ☐ Yes
7.5	Do you know or have reason to believe any pollutants in Exhibit 2F–2 are present in the discharge? ☐ Yes ☑ No ➔ SKIP to Item 7.7.
7.6	Have you listed all pollutants in Exhibit 2F–2 that you know or have reason to believe are present in the discharge and provided quantitative data or an explanation for those pollutants in Table C? ☑ Yes
7.7	Do you qualify for a small business exemption under the criteria specified in the Instructions? ☐ Yes ➔ SKIP to Item 7.18. ☑ No
7.8	Do you know or have reason to believe any pollutants in Exhibit 2F–3 are present in the discharge? ☐ Yes ☑ No ➔ SKIP to Item 7.10.
7.9	Have you listed all pollutants in Exhibit 2F–3 that you know or have reason to believe are present in the discharge in Table C? ☑ Yes
7.10	Do you expect any of the pollutants in Exhibit 2F–3 to be discharged in concentrations of 10 ppb or greater? ☐ Yes ☑ No ➔ SKIP to Item 7.12.
7.11	Have you provided quantitative data in Table C for those pollutants in Exhibit 2F–3 that you expect to be discharged in concentrations of 10 ppb or greater? ☑ Yes
7.12	Do you expect acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol to be discharged in concentrations of 100 ppb or greater? ☐ Yes ☑ No ➔ SKIP to Item 7.14.
7.13	Have you provided quantitative data in Table C for the pollutants identified in Item 7.12 that you expect to be discharged in concentrations of 100 ppb or greater? ☑ Yes
7.14	Have you provided quantitative data or an explanation in Table C for pollutants you expect to be present in the discharge at concentrations less than 10 ppb (or less than 100 ppb for the pollutants identified in Item 7.12)? ☑ Yes
7.15	Do you know or have reason to believe any pollutants in Exhibit 2F–4 are present in the discharge? ☐ Yes ☑ No ➔ SKIP to Item 7.17.

Discharge Information Continued

7.16 Have you listed pollutants in Exhibit 2F–4 that you know or believe to be present in the discharge and provided an explanation in Table C?

☑ Yes

7.17 Have you provided information for the storm event(s) sampled in Table D?

☑ Yes

Used or Manufactured Toxics

7.18 Is any pollutant listed on Exhibits 2F–2 through 2F–4 a substance or a component of a substance used or manufactured as an intermediate or final product or byproduct?

☑ Yes ☐ No ➔ SKIP to Section 8.

7.19 List the pollutants below, including TCDD if applicable. Attach additional sheets, if necessary.

1. REFER TO ATTACHMENT S	4.	7.
2.	5.	8.
3.	6.	9.

SECTION 8. BIOLOGICAL TOXICITY TESTING DATA (40 CFR 122.21(G)(11))

Biological Toxicity Testing Data

8.1 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 three years?

☐ Yes ☑ No ➔ SKIP to Section 9.

8.2 Identify the tests and their purposes below.

Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?	Date Submitted
TABLE A	COMPLIANCE	☑ Yes ☐ No	06/22/2026
		☐ Yes ☐ No	
		☐ Yes ☐ No	

SECTION 9. CONTRACT ANALYSIS INFORMATION (40 CFR 122.21(G)(12))

Contract Analysis Information

9.1 Were any of the analyses reported in Section 7 (in Tables A through C) performed by a contract laboratory or consulting firm?

☑ Yes ☐ No ➔ SKIP to Section 10.

9.2 Provide information for each contract laboratory or consulting firm below.

	Laboratory Number 1	Laboratory Number 2	Laboratory Number 3
Name of laboratory/firm	LABORATORY RESOURCES AND SOLUTIONS, INC.		
Laboratory address	205 6TH AVENUE, ASHVILLE, ALABAMA 35953		
Phone number	(205) 594-1445		
Pollutant(s) analyzed	TABLE A REQUIREMENTS		

SECTION 10. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(A) AND (D))

Checklist and Certification Statement

10.1 In Column 1 below, mark the sections of Form 2F that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.

Column 1	Column 2
☑ Section 1	☑ w/ attachments (e.g., responses for additional outfalls)
☑ Section 2	☐ w/ attachments
☑ Section 3	☑ w/ site drainage map
☑ Section 4	☐ w/ attachments
☑ Section 5	☐ w/ attachments
☑ Section 6	☐ w/ attachments
☑ Section 7	☑ Table A ☐ w/ small business exemption request ☐ Table B ☑ w/ analytical results as an attachment ☐ Table C ☐ Table D
☑ Section 8	☑ w/ attachments
☑ Section 9	☑ w/ attachments (e.g., responses for additional contact laboratories or firms)
☑ Section 10	

10.2 Provide the following certification. (See instructions to determine the appropriate person to sign the application.)

Certification Statement

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.

Name (print or type first and last name)	Official title
LTC Dustin P. Chassé	Training Site Director
Signature Digitally signed by CHASSE.DUSTIN.PHILIP.1006783631	**Date signed** 06/23/2026

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALD981023716	AL0083941	Clarke Range	DSN001-Q

OMB No. 2040-0004
Expires 07/31/2026

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(C)(1)(I)(E)(3))[1]

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 and requirements.

	Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
		Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1.	Oil and grease	<1.4		N/A		1 (Lack of Rainfall)	1
2.	Biochemical oxygen demand (BOD_5)	<3	N/A	N/A	N/A	1 (Lack of Rainfall)	1
3.	Chemical oxygen demand (COD)	<10	N/A	N/A	N/A	1 (Lack of Rainfall)	1
4.	Total suspended solids (TSS)	7	N/A	N/A	N/A	1 (Lack of Rainfall)	1
5.	Total phosphorus	<0.500	N/A	N/A	N/A	1 (Lack of Rainfall)	1
6.	Total Kjeldahl nitrogen (TKN)	<0.500	N/A	N/A	N/A	1 (Lack of Rainfall)	1
7.	Total nitrogen (as N)	0.126	N/A	N/A	N/A	1 (Lack of Rainfall)	1
8.	pH (minimum)	7.28		N/A		1 (Lack of Rainfall)	1
	pH (maximum)	6.3		N/A		1 (Lack of Rainfall)	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).

Only one sampling event was conducted during the reporting period due to insufficient rainfall to generate additional qualifying stormwater runoff events. Average daily values will be calculated and provided as required by the permit. As indicated in Instructions: Table A requires you to report at least one analysis for each pollutant listed.

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALD981023716	AL0083941	Clarke Range	DSN003-S - DSN006-S

OMB No. 2040-0004
Expires 07/31/2026

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(C)(1)(I)(E)(3))[1]

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 and requirements.

	Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
		Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1.	Oil and grease	<1.4		N/A		1 (Lack of Rainfall)	1
2.	Biochemical oxygen demand (BOD_5)	<3	N/A	N/A	N/A	1 (Lack of Rainfall)	1
3.	Chemical oxygen demand (COD)	<10	N/A	N/A	N/A	1 (Lack of Rainfall)	1
4.	Total suspended solids (TSS)	308	N/A	N/A	N/A	1 (Lack of Rainfall)	1
5.	Total phosphorus	<0.500	N/A	N/A	N/A	1 (Lack of Rainfall)	1
6.	Total Kjeldahl nitrogen (TKN)	<0.500	N/A	N/A	N/A	1 (Lack of Rainfall)	1
7.	Total nitrogen (as N)	0.146	N/A	N/A	N/A	1 (Lack of Rainfall)	1
8.	pH (minimum)	7.47		N/A		1 (Lack of Rainfall)	1
	pH (maximum)	6.73		N/A		1 (Lack of Rainfall)	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).

Only one sampling event was conducted during the reporting period due to insufficient rainfall to generate additional qualifying stormwater runoff events. Average daily values will be calculated and provided in a future update, as required by the permit. As indicated in Instructions: Table A requires you to report at least one analysis for each pollutant listed.

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
ALD981023716	AL0083941	Clarke Range	DSN007-S

OMB No. 2040-0004
Expires 07/31/2026

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(C)(1)(I)(E)(3))[1]

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 and requirements.

	Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
		Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1.	Oil and grease	<1.4		N/A		1 (Lack of Rainfall)	1
2.	Biochemical oxygen demand (BOD_5)	<3	N/A	N/A	N/A	1 (Lack of Rainfall)	1
3.	Chemical oxygen demand (COD)	<10	N/A	N/A	N/A	1 (Lack of Rainfall)	1
4.	Total suspended solids (TSS)	7	N/A	N/A	N/A	1 (Lack of Rainfall)	1
5.	Total phosphorus	<0.500	N/A	N/A	N/A	1 (Lack of Rainfall)	1
6.	Total Kjeldahl nitrogen (TKN)	<0.500	N/A	N/A	N/A	1 (Lack of Rainfall)	1
7.	Total nitrogen (as N)	<0.100	N/A	N/A	N/A	1 (Lack of Rainfall)	1
8.	pH (minimum)	7.28		N/A		1 (Lack of Rainfall)	1
	pH (maximum)	6.3		N/A		1 (Lack of Rainfall)	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).

Only one sampling event was conducted during the reporting period due to insufficient rainfall to generate additional qualifying stormwater runoff events. Average daily values will be calculated and provided as required by the permit. As indicated in Instructions: Table A requires you to report at least one analysis for each pollutant listed.

United States
Environmental Protection
Agency

Office of Water
Enforcement and Permits
Washington, DC 20460

EPA Form 3510-2E
Revised August 1990

Permits Division

EPA

Application Form 2E —

Facilities Which Do Not Discharge Process Wastewater



Please print or type in the unshaded areas only.	EPA ID Number (copy from Item 1 of Form 1)	Form Approved. OMB No. 2040-0086. Approval expires 5-31-92.

FORM 2E NPDES

EPA Facilities Which Do Not Discharge Process Wastewater

I. RECEIVING WATERS

For this outfall, list the latitude and longitude, and name of the receiving water(s).

Outfall Number *(list)*	Latitude			Longitude			Receiving Water *(name)*
	Deg	Min	Sec	Deg	Min	Sec	
							See Attachment C, Section I & IV

II. DISCHARGE DATE *(If a new discharger, the date you expect to begin discharging)*

III. TYPE OF WASTE

A. Check the box(es) indicating the general type(s) of wastes discharged.

☐ Sanitary Wastes ☐ Restaurant or Cafeteria Wastes ☐ Noncontact Cooling Water ☐ Other Nonprocess Wastewater *(Identify)*

B. If any cooling water additives are used, list them here. Briefly describe their composition if this information is available.

IV. EFFLUENT CHARACTERISTICS

A. Existing Sources — Provide measurements for the parameters listed in the left-hand column below, unless waived by the permitting authority *(see instructions)*.

B. New Dischargers — Provide estimates for the parameters listed in the left-hand column below, unless waived by the permitting authority. Instead of the number of measurements taken, provide the source of estimated values *(see instructions)*.

Pollutant or Parameter	(1) Maximum Daily Value *(include units)*		(2) Average Daily Value *(last year)* *(include units)*		(3)	(or)	(4)
	Mass	Concentration	Mass	Concentration	Number of Measurements Taken *(last year)*		Source of Estimate *(if new discharger)*
Biochemical Oxygen Demand (BOD)							
Total Suspended Solids (TSS)							
Fecal Coliform *(if believed present or if sanitary waste is discharged)*							
Total Residual Chlorine *(if chlorine is used)*							
Oil and Grease							
*Chemical oxygen demand (COD)							
*Total organic carbon (TOC)							
Ammonia *(as N)*							
Discharge Flow	Value						
pH *(give range)*	Value						
Temperature *(Winter)*		°C		°C			
Temperature *(Summer)*		°C		°C			

*If noncontact cooling water is discharged

V. Except for leaks or spills, will the discharge described in this form be intermittent or seasonal?

If yes, briefly describe the frequency of flow and duration.

☑ Yes ☐ No

All Year, Intermittent (Oil and Water Separators)

VI. TREATMENT SYSTEM *(Describe briefly any treatment system(s) used or to be used).*

Oil and Water Separators

VII. OTHER INFORMATION *(Optional)*

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations. Attach additional sheets, if necessary.

VIII. 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	B. Phone No. *(area code & no.)*
LTC Dustin P. Chassé, Training Center Director	(256) 847-4535
C. Signature	D. Date Signed
	10/02/2025

Form 1, SECTION XI

Form 187, SECTION B.3

Give a brief description of all operations at this facility including primary products or services:

Clarke Range (formerly Pelham Range) is a military training area used by members of the Army and National Guard for mission training. The Site contains a wide array of training operations for the military. The Clarke Range Master NPDES Plan is an individual NPDES permit needed to incorporate three sites located on Pelham Range. The three sites that are currently covered under the master plan are the UTES #1 facility, The Horizontal Engineering Training Area, and the Rock Crusher site.

The UTES #1 facility stores, maintains, and repairs armored vehicles for various Alabama Army National Guard units. Other ancillary equipment is also maintained and repaired at the facility. No manufacturing activities are conducted at the UTES #1 facility. Operations conducted at the facility include vehicle, maintenance bay floor and other equipment washing. Vehicles and equipment are washed with high pressure water only. Vehicle washing depends on military activity and funding, but typically occurs twice a week throughout the year. Shop floors are usually cleaned one day a week. All wash water flows through a settling basin and is treated by an oil water separator prior to discharging.

The Horizontal Engineering Training Area is a unit that the military uses to train soldiers to operate earth moving and other heavy equipment. The engineering school operates during the spring and summer months, and additionally six to eight weekends a year for drill operations. No manufacturing activities are conducted at the site. The site has four retention ponds on site that receive all storm water run-off and very rarely discharge unless there is a heavy rain event.

The Rock Crusher Site is used by soldiers to train to crush rock to make gravel for paving operations. Rock will be purchased by a vendor, delivered to site and crushed. All storm water will flow through the discharge points. The site is estimated to be used eight to twelve weeks a year.

Form 187, Section D – Water Supply

1. **Name of Provider: Anniston Water and Sewer Board**

   ☐ **Private Well** ☐ **Surface Water** ☒ **Municipal Water Utility (Specify City)** ☐ **Other** (Specify)

   Location of Provider: Anniston, Alabama **Latitude: 33° 39' 24.9" N** **Longitude:** 85° **49' 46.2" W**

   Name of Surface Water Source:
   Coldwater 10 million gal/day and Hillabee 32 million gal/day for a combined 24-36 million gal/day based on an Environmental Assessment that was done for the county

2. **Name of Provider: Calhoun County Water Authority**

   ☐ **Private Well** ☐ **Surface Water** ☒ **Municipal Water Utility (Specify City)** ☐ **Other** (Specify)

   Location of Provider: Alexandria, Alabama **Latitude: 33° 46' 19.7" N** **Longitude:** 33° **46' 19.7" N**

   Name of Surface Water Source:
   3 Springs: Reads Mill, Websters Chapel, and Seven Springs – Fort Payne Chert & Knox Group
   Three groundwater wells: Choccolocco, Possum Trot, and Ohatchee
   Purchase water from Oxford Water Works - Source: Knox Group
   Purchase water from Anniston Water and Sewer Board - Source: Source Flow is from Coldwater 10 million gal/day and Hillabee 32 million gal/day for a combined 24-36 million gal/day based on an Environmental Assessment that was done for the county

ADEM Permit Form 187, Section J and Form 2E, Section I / Section D - ATTACHMENT C

Form 187, Section J. Receiving Waters
Form 2E: I. Receiving Waters and Table IV. Effluent Characteristics

Form 187, Section J. RECEIVING WATERS and Form 2E, Section I. RECEIVING WATERS										
For this outfall, list the latitude and longitude, and name of the receiving water(s).										
Outfall Number (List)	Latitude			Direction	Longitude			Direction	Receiving Water (Name)	Hydrocategory
	Deg	Min	Sec		Deg	Min	Sec			
DSN001-Q	33	43	39	N	85	54	17	W	Cane Creek	Has water at all times of the year
DSN003-S	33	43	49.9	N	85	56	31.8	W	U.T. to Cane Creek	Flow ceases for weeks or months each yea
DSN007-S	33	44	19	N	85	59	20	W	U.T. to Cane Creek	Flow ceases for weeks or months each yea

Form 2E: IV. EFFLUENT CHARACTERISTICS

UTES #1	Discharge Point (Outfall) DSN001-Q	Units
Pollutant/Parameter	Sample Results: 05/07/26	
Biochemical Oxygen Demand (BOD)	<3	mg/L (5Day)
Total Suspended Solids (TSS)	<2	mg/L
Oil and Grease	<1.4	mg/L
Ammonia	Below Detected Limit (BDL) ADV	mg/L
Flow	0.0062	mgd
Field pH	7.28	SU
Chemical Oxygen Demand (COD)	<10	mg/L
Total Nitrogen (as N)	0.126	mg/L
Total Kjeldahl Nitrogen (TKN)	<0.500	mg/L
Phosphorus (P)	<0.500	mg/L
Chlorine	0.05	mg/L
Field Temperature	69.8	°F
Temp Winter	16.5	°C

ADEM Permit Form 187, Section J and Form 2E, Section I / Section D - ATTACHMENT C

Form 187, Section J. Receiving Waters
Form 2E: I. Receiving Waters and Table IV. Effluent Characteristics

Horizontal Engineering Training Area	Discharge Point (Outfall) DSN003-S	Units
Pollutant/Parameter	Sample Results: 05/07/26	
Biochemical Oxygen Demand (BOD)	<3	mg/L (5Day)
Total Suspended Solids (TSS)	<2	mg/L
Oil and Grease	<1.4	mg/L
Ammonia	Below Detected Limit (BDL) ADV	mg/L
Flow	0.002	mgd
Field pH	7.47	SU
Chemical Oxygen Demand (COD)	<10	mg/L
Total Nitrogen (as N)	0.146	mg/L
Total Kjeldahl Nitrogen (TKN)	<0.500	mg/L
Phosphorus (P)	<0.500	mg/L
Chlorine	0.05	mg/L
Field Temperature	68.5	°F
Temp Winter	20.9	°C

Rock Crusher	Discharge Point (Outfall) DSN007-S	Units
Pollutant/Parameter	Sample Results: 05/07/26	
Biochemical Oxygen Demand (BOD)	<3	mg/L (5Day)
Total Suspended Solids (TSS)	<2	mg/L
Oil and Grease	<1.4	mg/L
Ammonia	Below Detected Limit (BDL) ADV	mg/L
Flow	0.01	mgd
Field pH	7.61	SU
Chemical Oxygen Demand (COD)	<10	mg/L
Total Nitrogen (as N)	<0.100	mg/L
Total Kjeldahl Nitrogen (TKN)	<0.500	mg/L
Phosphorus (P)	<0.500	mg/L
Chlorine	0.05	mg/L
Field Temperature	70.9	°F
Temp Winter	20.9	°C

ADEM Permit Form 2F, Section VII - ATTACHMENT C1

Form 2F

Horizontal Engineering Training Area	Discharge Point (Outfall) DSN003-S	Units
Pollutant/Parameter	Sample Results: 05/07/26	
Biochemical Oxygen Demand (BOD)	<3	mg/L (5Day)
Total Suspended Solids (TSS)	<2	mg/L
Oil and Grease	<1.4	mg/L
Ammonia	Below Detected Limit (BDL) ADV	mg/L
Flow	0.002	mgd
Field pH	7.47	SU
Chemical Oxygen Demand (COD)	<10	mg/L
Total Nitrogen (as N)	0.146	mg/L
Total Kjeldahl Nitrogen (TKN)	<0.500	mg/L
Phosphorus (P)	<0.500	mg/L
Chlorine	0.05	mg/L
Field Temperature	68.5	°F
Temp Winter	20.9	°C

Rock Crusher	Discharge Point (Outfall) DSN007-S	Units
Pollutant/Parameter	Sample Results: 05/07/26	
Biochemical Oxygen Demand (BOD)	<3	mg/L (5Day)
Total Suspended Solids (TSS)	<2	mg/L
Oil and Grease	<1.4	mg/L
Ammonia	Below Detected Limit (BDL) ADV	mg/L
Flow	0.01	mgd
Field pH	7.61	SU
Chemical Oxygen Demand (COD)	<10	mg/L
Total Nitrogen (as N)	<0.100	mg/L
Total Kjeldahl Nitrogen (TKN)	<0.500	mg/L
Phosphorus (P)	<0.500	mg/L
Chlorine	0.05	mg/L
Field Temperature	70.9	°F
Temp Winter	20.9	°C

ADEM Permit Form 2C NPDES - ATTACHMENT D

Section 1. Expected Outfall Location									
Provide information on each of the facility's outfalls in the table below.									
Outfall Number (List)	Receiving Water (Name)	Latitude			Direction	Longitude			Direction
		Deg	Min	Sec		Deg	Min	Sec	
DSN001-Q	Cane Creek	33	43	39	N	85	54	17	W
DSN003-S	U.T. to Cane Creek	33	43	49.9	N	85	56	31.8	W
DSN007-S	U.T. to Cane Creek	33	44	19	N	85	59	20	W

3.1 For each outfall identified under Item 1.1, provide average flow and treatment information. Add additional sheets as necessary.

UNIT TRAINING EQUIPMENT SITE (UTES) #1 SITE		
Outfall Number DSN001-Q		
Operations Contributing to Flow		
Operation		**Average Flow**
UTES #1: Discharge Associated with Vehicle and Equipment Exterior Washing Operations		0.0062 MGD
Treatment Units		
Description (include size, flow rate through each treatment unit, retention time, etc.	**Code from Exhibit 2D-1**	**Final Disposal of Solid or Liquid Wastes Other Then by Discharge**
All wash water flows through a settling basin and is treated by an Oil Water Separator (OWS) prior to discharging.	1-H, 1-U	OWS Sludge Off-Site Treatment Facility / Sediment accumulated inside the settling basin is removed when it reaches 1/2 the height of the original dam. System inspected regularly to ensure proper function, Advanced Disposal-Cedar Hill Landfill.
Size: 15,000 Gallon Tank, 177 SY Settling basin / Flow Rate: 0.27		

UNIT TRAINING EQUIPMENT SITE (UTES) FORMER FMS 10 SITE		
Outfall Number DC002-Q (INACTIVE)		
Operations Contributing to Flow		
Operation		**Average Flow**
UTES #1 / FMS 10: Discharge Associated with Vehicle and Equipment Exterior Washing Operations		0.0000 MGD
Treatment Units		
Description (include size, flow rate through each treatment unit, retention time, etc.	**Code from Exhibit 2D-1**	**Final Disposal of Solid or Liquid Wastes Other Then by Discharge**
All wash water flows through a settling basin and is treated by an Oil Water Separator (OWS) prior to discharging.	1-H, 1-U	OWS Sludge Off-Site Treatment Facility / Sediment accumulated inside the settling basin is removed when it reaches 1/2 the height of the original dam. System inspected regularly to ensure proper function, Advanced Disposal-Cedar Hill Landfill.
Size: Inactive / Flow Rate: 0.0 (INACTIVE)		

HORIZONTAL ENGINEER TRAINING SITE		
Outfall Number DSN003-S (REPRESENTATIVE SAMPLE)		
Operations Contributing to Flow		
Operation		**Average Flow**
Horizontal Engineering Training: Storm Water Discharges Associated with Construction Activities Land Disturbance		0.002 MGD
Treatment Units		
Description (include size, flow rate through each treatment unit, retention time, etc.	**Code from Exhibit 2D-1**	**Final Disposal of Solid or Liquid Wastes Other Then by Discharge**
All storm water flows through a settlement pond and outlet prior to discharging.	1-H, 1-U	Sediment accumulated inside the settling basin is removed when it reaches 1/2 the height of the original dam. System inspected regularly to ensure proper function, Advanced Disposal-Cedar Hill Landfill.
Size: / Flow Rate: 0.0 (GRAB SAMPLE - REPRESENTATIVE SAMPLE ON SITE)		
Outfall Number DSN004-S (DRY BASIN)		
Operations Contributing to Flow		
Operation		**Average Flow**
Horizontal Engineering Training: Storm Water Discharges Associated with Construction Activities Land Disturbance		0.002 MGD
Treatment Units		
Description (include size, flow rate through each treatment unit, retention time, etc.	**Code from Exhibit 2D-1**	**Final Disposal of Solid or Liquid Wastes Other Then by Discharge**
All storm water flows through a settlement pond and outlet prior to discharging.	1-H, 1-U	Sediment accumulated inside the settling basin is removed when it reaches 1/2 the height of the original dam. System inspected regularly to ensure proper function, Advanced Disposal-Cedar Hill Landfill.
Size: / Flow Rate: 0.0		
Outfall Number DSN005-S (DRY BASIN)		
Operations Contributing to Flow		
Operation		**Average Flow**
Horizontal Engineering Training: Storm Water Discharges Associated with Construction Activities Land Disturbance		0.002 MGD
Treatment Units		
Description (include size, flow rate through each treatment unit, retention time, etc.	**Code from Exhibit 2D-1**	**Final Disposal of Solid or Liquid Wastes Other Then by Discharge**
All storm water flows through a settlement pond and outlet prior to discharging.	1-H, 1-U	Sediment accumulated inside the settling basin is removed when it reaches 1/2 the height of the original dam. System inspected regularly to ensure proper function, Advanced Disposal-Cedar Hill Landfill.
Size: / Flow Rate: 0.0		
Outfall Number DSN006-S (DRY BASIN)		
Operations Contributing to Flow		
Operation		**Average Flow**
Horizontal Engineering Training: Storm Water Discharges Associated with Construction Activities Land Disturbance		0.002 MGD
Treatment Units		
Description (include size, flow rate through each treatment unit, retention time, etc.	**Code from Exhibit 2D-1**	**Final Disposal of Solid or Liquid Wastes Other Then by Discharge**
All storm water flows through a settlement pond and outlet prior to discharging.	1-H, 1-U	Sediment accumulated inside the settling basin is removed when it reaches 1/2 the height of the original dam. System inspected regularly to ensure proper function, Advanced Disposal-Cedar Hill Landfill.
Size: / Flow Rate: 0.0		

ROCK CRUSHER SITE

Outfall Number DSN007-S

Operations Contributing to Flow	
Operation	**Average Flow**
Rock Crusher Site 3: Storm Water Discharges Associated with the Manufacture of Stone, Glass, and Clay Products	0.010 MGD

Treatment Units		
Description (include size, flow rate through each treatment unit, retention time, etc.)	**Code from Exhibit 2D-1**	**Final Disposal of Solid or Liquid Wastes Other Then by Discharge**
All storm water flows through a settlement pond and outlet prior to discharging.	1-H, 1-U	Sediment accumulated inside the settling basin is removed when it reaches 1/2 the height of the original dam. System inspected regularly to ensure proper function, Advanced Disposal-Cedar Hill Landfill.
Size: / Flow Rate:		

Outfall Number DSN008-S (DISCHARGE NOT ON SITE, REMOVED FROM PERMIT)

Operations Contributing to Flow	
Operation	**Average Flow**
Rock Crusher Site 3: Storm Water Discharges Associated with the Manufacture of Stone, Glass, and Clay Products	0.010 MGD

Treatment Units		
Description (include size, flow rate through each treatment unit, retention time, etc.)	**Code from Exhibit 2D-1**	**Final Disposal of Solid or Liquid Wastes Other Then by Discharge**
All storm water flows through a settlement pond and outlet prior to discharging.	1-H, 1-U	Sediment accumulated inside the settling basin is removed when it reaches 1/2 the height of the original dam. System inspected regularly to ensure proper function, Advanced Disposal-Cedar Hill Landfill.
Size: / Flow Rate:		

Outfall Number DSN009-S (DISCHARGE NOT ON SITE, REMOVED FROM PERMIT)

Operations Contributing to Flow	
Operation	**Average Flow**
Rock Crusher Site 3: Storm Water Discharges Associated with the Manufacture of Stone, Glass, and Clay Products	0.010 MGD

Treatment Units		
Description (include size, flow rate through each treatment unit, retention time, etc.)	**Code from Exhibit 2D-1**	**Final Disposal of Solid or Liquid Wastes Other Then by Discharge**
All storm water flows through a settlement pond and outlet prior to discharging.	1-H, 1-U	Sediment accumulated inside the settling basin is removed when it reaches 1/2 the height of the original dam. System inspected regularly to ensure proper function, Advanced Disposal-Cedar Hill Landfill.
Size: / Flow Rate:		

Outfall Number DSN0010-S (DISCHARGE NOT ON SITE, REMOVED FROM PERMIT)

Operations Contributing to Flow	
Operation	**Average Flow**
Rock Crusher Site 3: Storm Water Discharges Associated with the Manufacture of Stone, Glass, and Clay Products	0.010 MGD

Treatment Units		
Description (include size, flow rate through each treatment unit, retention time, etc.)	**Code from Exhibit 2D-1**	**Final Disposal of Solid or Liquid Wastes Other Then by Discharge**
All storm water flows through a settlement pond and outlet prior to discharging.	1-H, 1-U	Sediment accumulated inside the settling basin is removed when it reaches 1/2 the height of the original dam. System inspected regularly to ensure proper function, Advanced Disposal-Cedar Hill Landfill.
Size: / Flow Rate:		

Section 5: Intermittent or Seasonal Flows (40 CFR 122.21(k)(3)(iii))

5.2 Provide information on intermittent or seasonal flows for each applicable outfall. Attach additional pages. if necessary.

UNIT TRAINING EQUIPMENT SITE (UTES)

Outfall Number	Operations (list)	Frequency		Rate and Volume		Duration
		Average Days / Week	Average Days / Week	Maximum Days / Week	Maximum Days / Week	
DSN001-Q	Discharge Associated with Vehicle and Equipment Exterior Washing Operations	days / weeks	Months / year	0.0062 mgd	gallons	

UNIT TRAINING EQUIPMENT SITE (UTES) / FMS 10

Outfall Number	Operations (list)	Frequency		Rate and Volume		Duration
		Average Days / Week	Average Days / Week	Maximum Days / Week	Maximum Days / Week	
DSN002-Q INACTIVE	Discharge Associated with Vehicle and Equipment Exterior Washing Operations	days / weeks	Months / year	0.00 mgd	gallons	

HORIZONTAL ENGINEERING TRAINING SITE

Outfall Number	Operations (list)	Frequency		Rate and Volume		Duration
		Average Days / Week	Average Days / Week	Maximum Days / Week	Maximum Days / Week	
DSN003-S	Storm Water Discharges Associated with Construction Activities Land Disturbance	days / weeks	Months / year	0.002 mgd	gallons	

ROCK CRUSHER SITE

Outfall Number	Operations (list)	Frequency		Rate and Volume		Duration
		Average Days / Week	Average Days / Week	Maximum Days / Week	Maximum Days / Week	
DSN007-S	Storm Water Discharges Associated with the Manufacture of Stone, Glass, and Clay Products	days / weeks	Months / year	0.010 mgd	gallons	

ADEM Permit Form 2D NPDES - ATTACHMENT H

SECTION 7. EFFLUENT CHARACTERISTICS (40 CFR 122.21(k)(5))

UTES #1	Discharge Point (Outfall) DSN001-Q	Units
Pollutant/Parameter	Sample Results: 05/07/26	
Biochemical Oxygen Demand (BOD)	<3	mg/L (5Day)
Total Suspended Solids (TSS)	<2	mg/L
Oil and Grease	<1.4	mg/L
Ammonia	Below Detected Limit (BDL) ADV	mg/L
Flow	0.0062	mgd
Field pH	7.28	SU
Chemical Oxygen Demand (COD)	<10	mg/L
Total Nitrogen (as N)	0.126	mg/L
Total Kjeldahl Nitrogen (TKN)	<0.500	mg/L
Phosphorus (P)	<0.500	mg/L
Chlorine	0.05	mg/L
Field Temperature	69.8	°F
Temp Winter	16.5	°C

Horizontal Engineering Training Area	Discharge Point (Outfall) DSN003-S	Units
Pollutant/Parameter	Sample Results: 05/07/26	
Biochemical Oxygen Demand (BOD)	<3	mg/L (5Day)
Total Suspended Solids (TSS)	<2	mg/L
Oil and Grease	<1.4	mg/L
Ammonia	Below Detected Limit (BDL) ADV	mg/L
Flow	0.002	mgd
Field pH	7.47	SU
Chemical Oxygen Demand (COD)	<10	mg/L
Total Nitrogen (as N)	0.146	mg/L
Total Kjeldahl Nitrogen (TKN)	<0.500	mg/L
Phosphorus (P)	<0.500	mg/L
Chlorine	0.05	mg/L
Field Temperature	68.5	°F
Temp Winter	20.9	°C

Rock Crusher	Discharge Point (Outfall) DSN007-S	Units
Pollutant/Parameter	Sample Results: 05/07/26	
Biochemical Oxygen Demand (BOD)	<3	mg/L (5Day)
Total Suspended Solids (TSS)	<2	mg/L
Oil and Grease	<1.4	mg/L
Ammonia	Below Detected Limit (BDL) ADV	mg/L
Flow	0.01	mgd
Field pH	7.61	SU
Chemical Oxygen Demand (COD)	<10	mg/L
Total Nitrogen (as N)	<0.100	mg/L
Total Kjeldahl Nitrogen (TKN)	<0.500	mg/L
Phosphorus (P)	<0.500	mg/L
Chlorine	0.05	mg/L
Field Temperature	70.9	°F
Temp Winter	20.9	°C

UTES 1_Clarke Range			
Discharge Point	**Description**	**Sampling Parameters**	**Frequency**
DSN001Q	Stormwater/Washwater from UTES 1	TSS, Oil and Grease, Phosphorous, Toluene, Benzene, Napthalene, Xylene, pH and Flow	Quarterly
~~DSN002Q~~	~~Stormwater/Washwater from UTES 1~~	~~TSS, Oil and Grease, Phosphorous, Toluene, Benzene, Napthalene, Xylene, pH and Flow~~	~~Quarterly~~ ***Inactive***
Horizontal Engineer Training_Clarke Range			
Discharge Point	**Description**	**Sampling Parameters**	**Frequency**
DSN003S	Stormwater from HET Area (Rep. Sample)	TSS, Oil and Grease, pH and Flow	Semi-Annually
DSN004S	Stormwater from HET Area (Dry Basin)	TSS, Oil and Grease, pH and Flow	Semi-Annually
DSN005S	Stormwater from HET Area (Dry Basin)	TSS, Oil and Grease, pH and Flow	Semi-Annually
DSN006S	Stormwater from HET Area (Dry Basin)	TSS, Oil and Grease, pH and Flow	Semi-Annually
Rock Crusher_Clarke Range			
Discharge Point	**Description**	**Sampling Parameters**	**Frequency**
DSN007S	Stormwater from Rock Crusher Site	TSS, Oil and Grease, pH and Flow	Semi-Annually
~~DSN008S~~	~~Stormwater from Rock Crusher Site~~	~~TSS, Oil and Grease, pH and Flow~~	~~Semi-Annually~~ ***Not Present***
~~DSN009S~~	~~Stormwater from Rock Crusher Site~~	~~TSS, Oil and Grease, pH and Flow~~	~~Semi-Annually~~ ***Not Present***
~~DSN010S~~	~~Stormwater from Rock Crusher Site~~	~~TSS, Oil and Grease, pH and Flow~~	~~Semi-Annually~~ ***Not Present***

Parameter	Method	Total Samples
TSS	2540D	25
Oil and Grease	1664	25
Phosphorous	365.1	9
Toluene	8260	9
Benzene	8260	9
Napthalene	8260	9
Xylene	8260	9

UTES 1 Quarterly NPDES DSN 001-Q										
Sample Period	pH	TSS	Oil & Grease	Total Phosphorous	Toluene	Benzene	Napthalene	Flow	Chlorine	Xylene
04/01/21-06/30/21	7.3	132	*B	*B	*B	*B	*B	0.0005	0.03	*B
07/01/21-09/30/21	6.7	5	*B	*B	*B	*B	*B	0.0009	0.02	*B
10/1/21-12/31/21	–	–	–	–	–	–	–	–	–	–
01/01/22-03/31/22	6.8	22	*B	0.05	*B	*B	*B	0.27	0.22	*B
04/01/22-06/30/22	8.45	24	*B	0.06	*B	*B	*B	0.27	0.5	*B
07/01/22-09/30/22	7.98	9	*B	0.21	*B	*B	*B	0.27	0.03	*B
10/01/22-12/31/22	7.68	4	*B	0.06	*B	*B	*B	0.27	0.05	*B
01/01/23-03/31/23	7.82	44	*B	0.09	*B	*B	*B	0.05	0.5	*B
04/01/23-06/30/23	7.71	67	*B	0.13	*B	*B	*B	0.27	*B	*B
07/01/23-09/30/23	7.85	9	*B	0.12	*B	*B	*B	0.27	0.02	*B
10/01/23-12/31/23	6.65	3	*B	0.05	*B	*B	*B	0.27	0.33	*B
01/01/24-3/31/24	7.88	690	*B	0.07	*B	*B	*B	0.27	0.3	*B
04/01/24-06/30/24	6.3	6	*B	0.05	*B	*B	*B	0.27	0.05	*B
07/01/24-09/30/24	7.43	4	*B	0.1	*B	*B	*B	0.27	0.05	*B
10/01/24-12/31/24	–	–	–	–	–	–	–	–	–	–
01/01/25-03/31/25	6.89	76	5	0.1	*B	*B	*B	0.27	0.005	*B
04/01/25-06/30/25	7.39	29	5.99	0.499	*B	*B	*B	0.27	0.35	*B

ND - No Discharge
*B - Below Detectable Limit

UTES 1 Quarterly NPDES DSN 002-Q										
Sample Period	pH	TSS	Oil & Grease	Total Phosphorous	Toluene	Benzene	Napthalene	Flow	Chlorine	Xylene
04/01/21-06/30/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/01/21-09/30/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/1/21-12/31/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/01/22-03/31/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/01/22-06/30/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/01/22-09/30/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/01/22-12/31/22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/01/23-03/31/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/01/23-06/30/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/01/23-09/30/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/01/23-12/31/23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/01/24-3/31/24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/01/24-06/30/24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/01/24-09/30/24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/01/24-12/31/24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/01/25-03/31/25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/01/25-06/30/25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - No Discharge
*B - Below Detectable Limit

Clark Range Semi-Annual NPDES

Horizontal Training Area

DSN003-S

Sample Period	pH	TSS	Oil & Grease	Flow
07/01/21-12/31/21	ND	ND	ND	ND
01/01/22-06/30/22	ND	ND	ND	ND
07/01/22-12/31/22	9.32	62	*B	0.827
01/01/23-06/30/23	6.73	112	*B	0.665
07/01/23-12/31/23	ND	ND	ND	ND
01/01/24-06/30/24	ND	ND	ND	ND
07/01/24-12/31/24	7.06	114	*B	1.596
01/01/25-06/30/25	8.1	_	_	0.273

DSN004-S

Sample Period	pH	TSS	Oil & Grease	Flow
07/01/21-12/31/21	ND	ND	ND	ND
01/01/22-06/30/22	7.21	288	*B	0.18
07/01/22-12/31/22	8.35	162	*B	0.827
01/01/23-06/30/23	6.23	102	*B	0.665
07/01/23-12/31/23	ND	ND	ND	ND
01/01/24-06/30/24	7.5	24	*B	0.21
07/01/24-12/31/24	7.48	13	17	1.596
01/01/25-06/30/25	8.1	_	_	0.273

DSN005-S

Sample Period	pH	TSS	Oil & Grease	Flow
07/01/21-12/31/21	ND	ND	ND	ND
01/01/22-06/30/22	ND	ND	ND	ND
07/01/22-12/31/22	7.45	64	*B	0.827
01/01/23-06/30/23	7.3	16	*B	0.665
07/01/23-12/31/23	ND	ND	ND	ND
01/01/24-06/30/24	7.3	10	*B	0.21
07/01/24-12/31/24	7.11	42	*B	1.596
01/01/25-06/30/25	7.07	_	_	0.273

DSN006-S

Sample Period	pH	TSS	Oil & Grease	Flow
07/01/21-12/31/21	ND	ND	ND	ND
01/01/22-06/30/22	ND	ND	ND	ND
07/01/22-12/31/22	7.51	106	*B	0.827
01/01/23-06/30/23	7.3	52	*B	0.665
07/01/23-12/31/23	ND	ND	ND	ND
01/01/24-06/30/24	7.5	8	*B	0.21
07/01/24-12/31/24	7.32	45	*B	1.596
01/01/25-06/30/25	7.07	_	_	0.273

Rock Crusher Site

DSN007-S

Sample Period	pH	TSS	Oil & Grease	Flow
07/01/21-12/31/21	_	_	_	_
01/01/22-06/30/22	7.81	18	*B	0.01
07/01/22-12/31/22	8.35	11	*B	0.241
01/01/23-06/30/23	7.4	11	*B	0.194
07/01/23-12/31/23	_	_	_	_
01/01/24-06/30/24	7.58	1	*B	0.061
07/01/24-12/31/24	7.21	11	8	0.456
01/01/25-06/30/25	7.56	_	_	0.079

DSN008-S

Sample Period	pH	TSS	Oil & Grease	Flow
07/01/21-12/31/21	_	_	_	_
01/01/22-06/30/22	7.9	88	*B	0.01
07/01/22-12/31/22	8.09	8	*B	0.241
01/01/23-06/30/23	7.4	14	*B	0.194
07/01/23-12/31/23	_	_	_	_
01/01/24-06/30/24	7.58	*B	*B	0.061
07/01/24-12/31/24	6.98	15	*B	0.456
01/01/25-06/30/25	7.56	_	_	0.079

DSN009-S

Sample Period	pH	TSS	Oil & Grease	Flow
07/01/21-12/31/21	_	_	_	_
01/01/22-06/30/22	ND	ND	ND	ND
07/01/22-12/31/22	8.4	10	*B	0.241
01/01/23-06/30/23	7.4	28	*B	0.194
07/01/23-12/31/23	_	_	_	_
01/01/24-06/30/24	7.58	3	*B	0.061
07/01/24-12/31/24	6.88	6	6	0.456
01/01/25-06/30/25	7.88	_	_	0.079

DSN0010-S

Sample Period	pH	TSS	Oil & Grease	Flow
07/01/21-12/31/21	_	_	_	_
01/01/22-06/30/22	ND	ND	ND	ND
07/01/22-12/31/22	7.85	6	*B	0.241
01/01/23-06/30/23	7.75	17	*B	0.194
07/01/23-12/31/23	_	_	_	_
01/01/24-06/30/24	7.58	1	*B	0.061
07/01/24-12/31/24	7.13	*B	*B	0.456
01/01/25-06/30/25	7.88	_	_	0.079

ND - No Discharge

*B - Below Detectable Limit

FIGURE 1: UTES #1

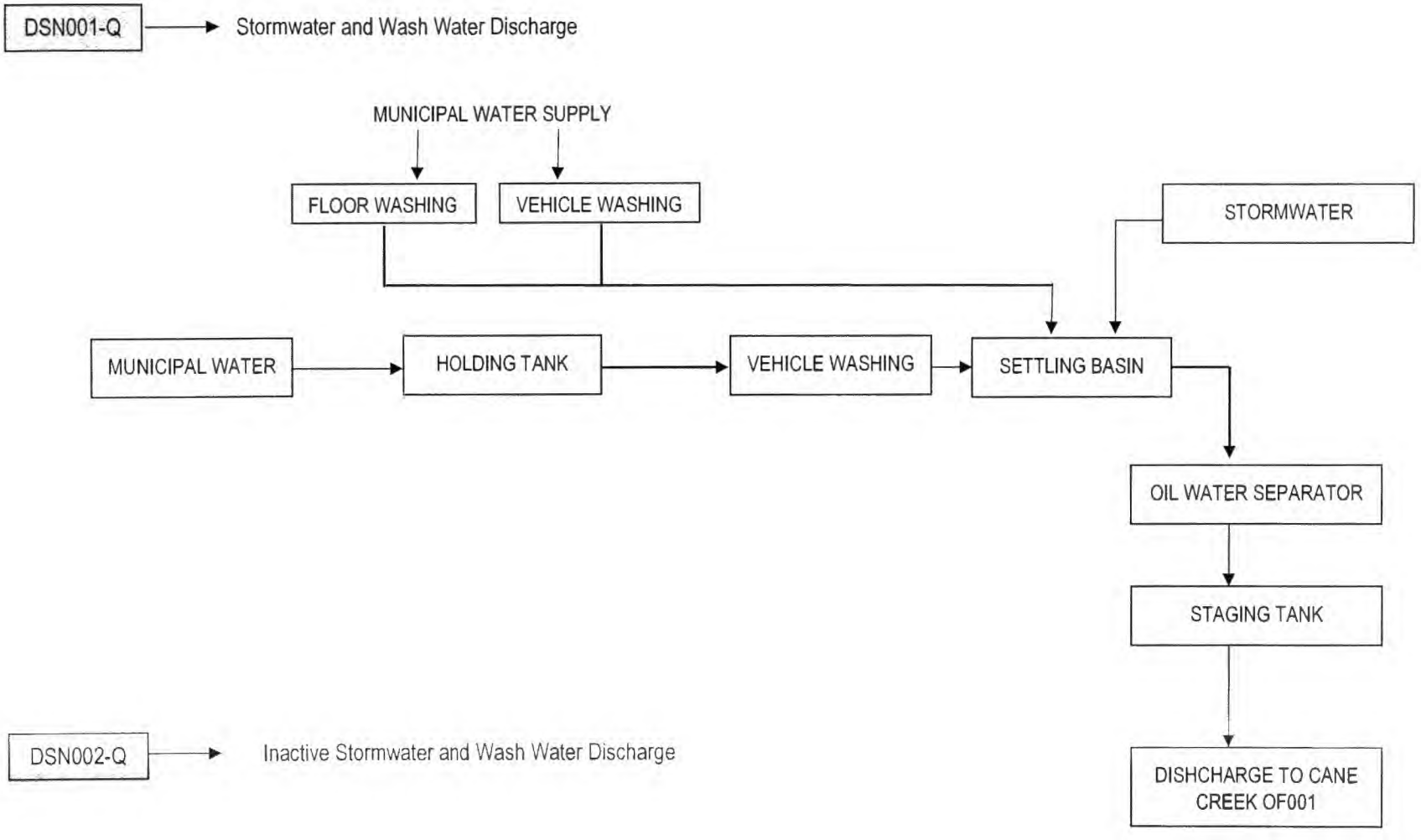


FIGURE 3: HORIZONTAL ENGINEERING TRAINING SITE

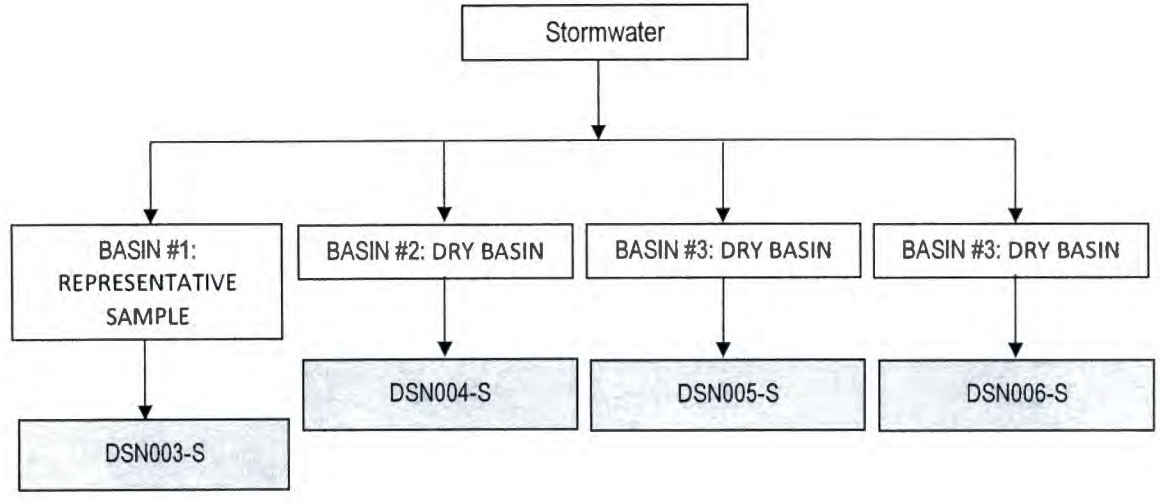
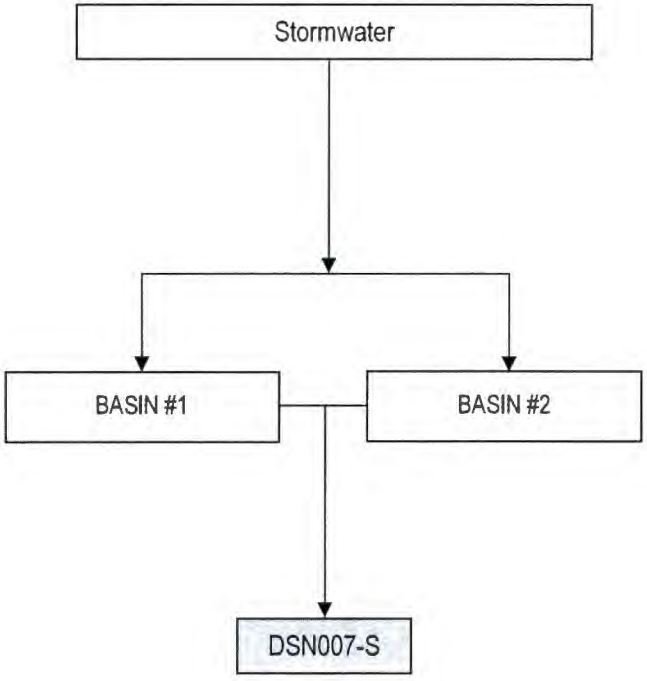


FIGURE 4: ROCK CRUSHER





Location Map



State Map



County Map

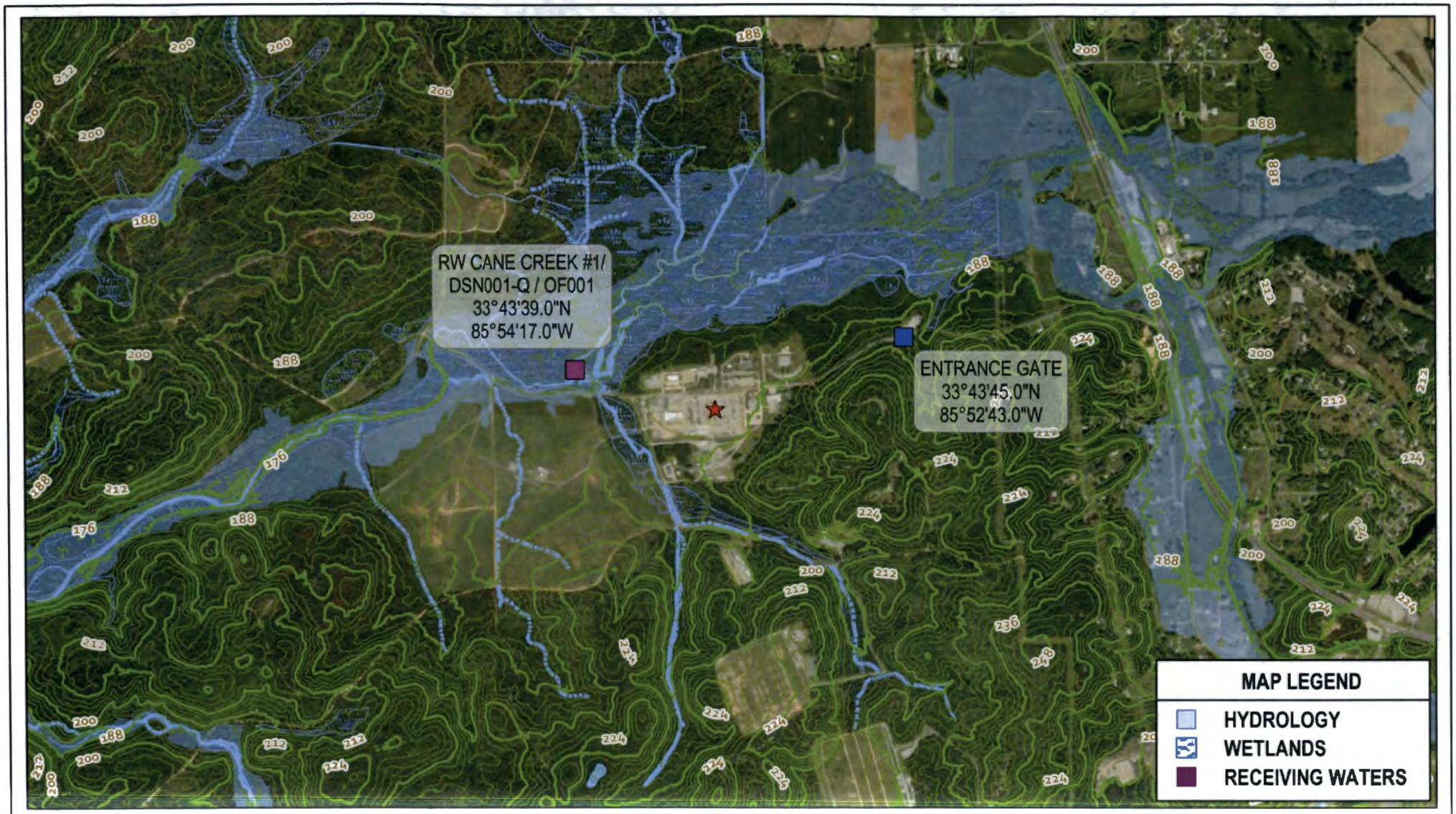
N
W E
S

LEGEND	
★	Site Location
■	Entrance Gate Gate 3 Road 33°43'43.4"N,85°53'23.4"W

Alabama Army National Guard
ADEM Storm Water Permit
Clarke Range, Alexandria, Alabama

ATTACHMENT J

JMR+H Architecture, PC



Location Map



Installation Map



County Map

N
W E
S

OF = OUTFALL
DC = DISCHARGE
EO = EMERGENCY
OVERFLOW

LEGEND

- ★ Site Location
- ■ Entrance Gate
  Gate 3 Road
  33°43'43.4"N,85°53'23.4"W

UTES - 1 MILE BOUNDARY
SITE 1 - ATTACHMENT K

Alabama Army National Guard
ADEM Storm Water Permit
Clarke Range, Alexandria, Alabama

JMR+H Architecture, PC



Location Map



Installation Map



County Map

N
W E
S

OF = OUTFALL
DC = DISCHARGE
EO = EMERGENCY
OVERFLOW

★ Site Location

■ Entrance Gate
Gate 3 Road
33°43'43.4"N,85°53'23.4"W

Alabama Army National Guard
ADEM Storm Water Permit
Clarke Range, Alexandria, Alabama

UTES
SITE 1 - ATTACHMENT L

JMR+H
Architecture, PC



Location Map



Installation Map



County Map



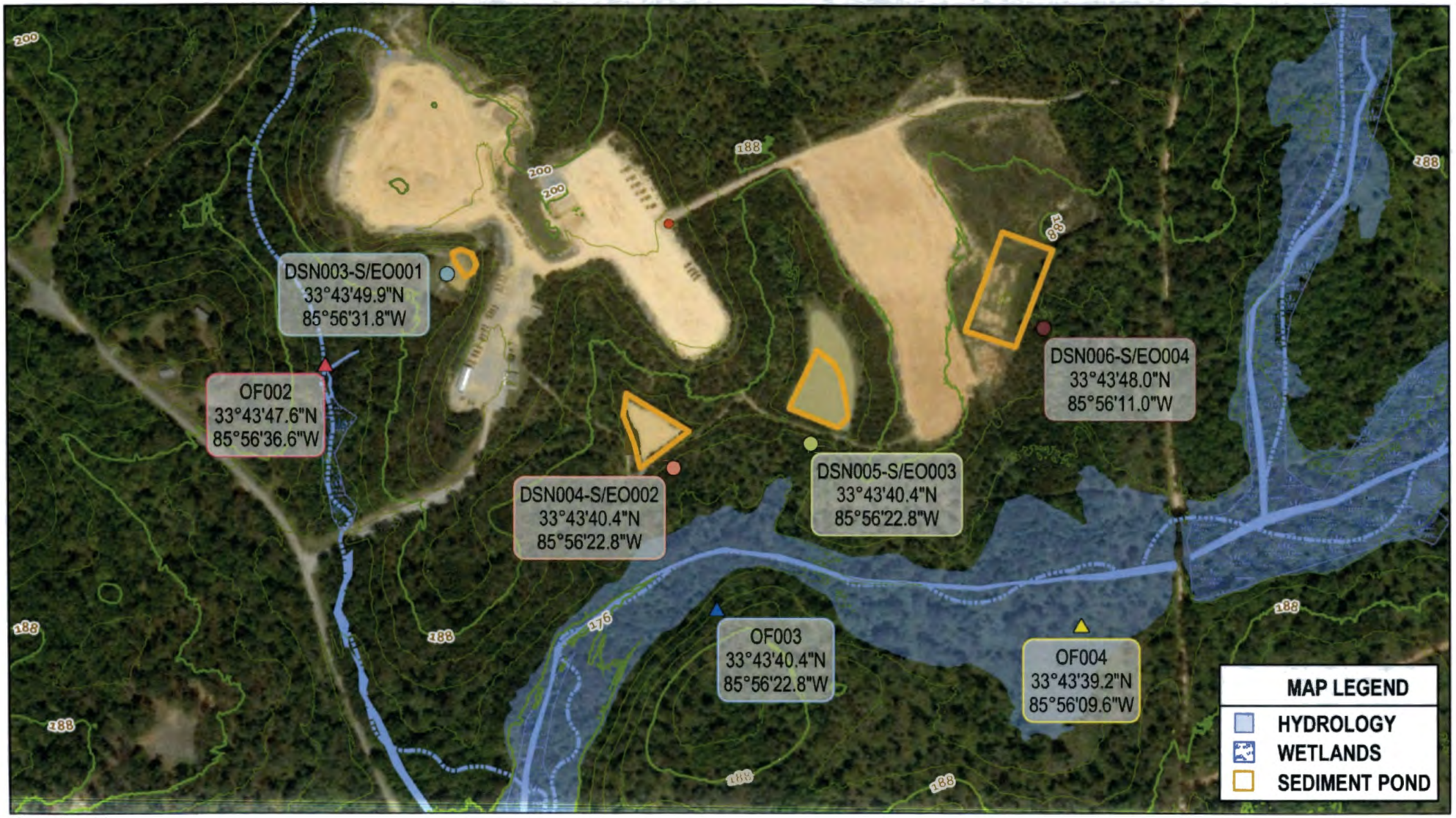
★ **Site Location**

■ **Entrance Gate**
Gate 3 Road
33°43'43.4"N,85°53'23.4"W

Alabama Army National Guard
ADEM Storm Water Permit
Clarke Range, Alexandria, Alabama

HORIZONTAL ENG TRAINING SITE - 1 MILE BOUNDARY
SITE 2 - ATTACHMENT M

JMR+H Architecture, PC



Location Map



Installation Map



County Map

N
W E
S

OF = OUTFALL
DC = DISCHARGE
EO = EMERGENCY
OVERFLOW

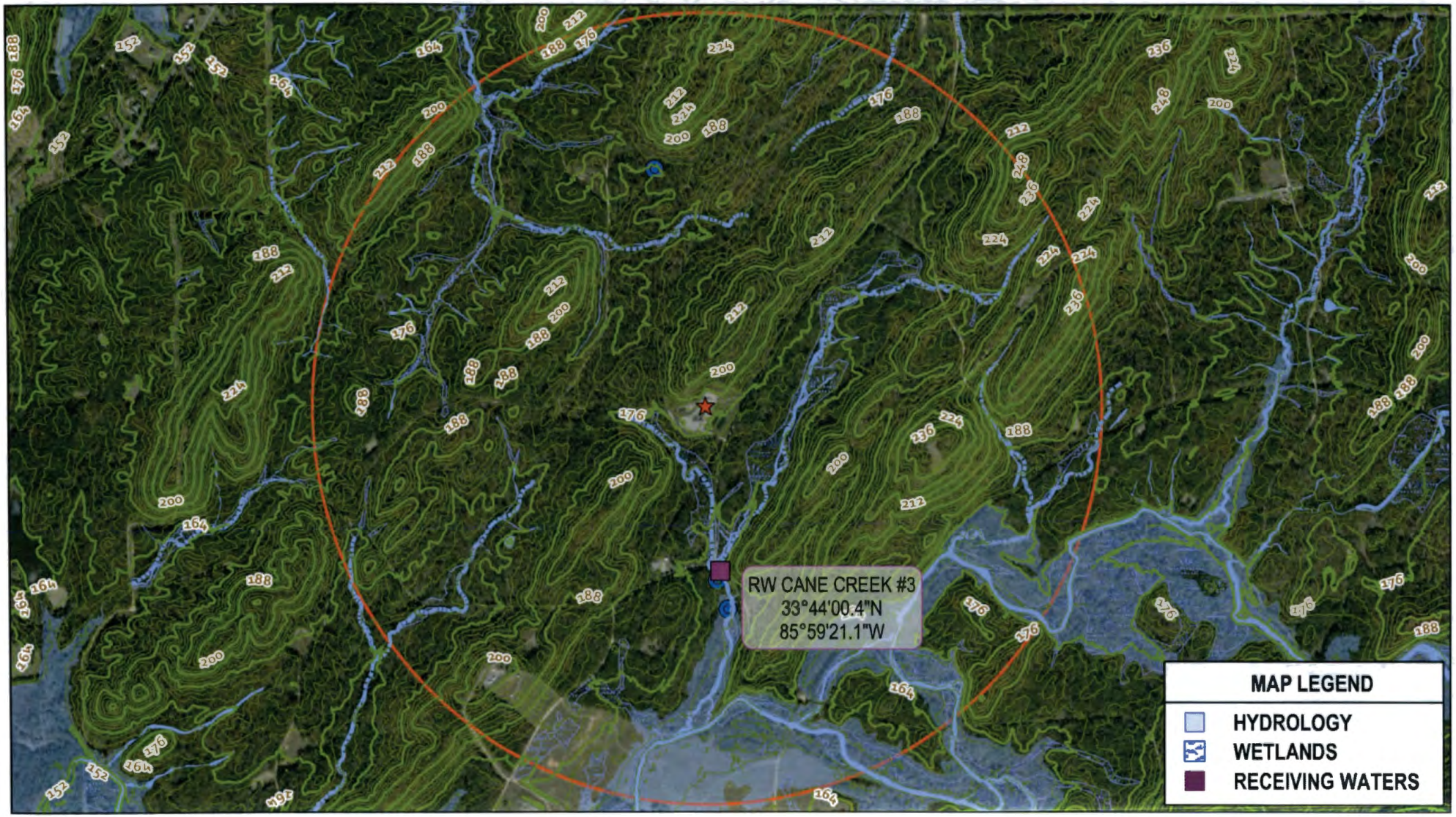
★ Site Location

■ Entrance Gate
Gate 3 Road
33°43'43.4"N,85°53'23.4"W

HORIZONTAL ENG TRAINING SITE
SITE 2 - ATTACHMENT N

Alabama Army National Guard
ADEM Storm Water Permit
Clarke Range, Alexandria, Alabama

JMR+H
Architecture, PC



Location Map



Installation Map



County Map

N
W E
S

- Site Location
- Entrance Gate
  Gate 3 Road
  33°43'43.4"N,85°53'23.4"W

Alabama Army National Guard
ADEM Storm Water Permit
Clarke Range, Alexandria, Alabama

ROCK CRUSHER - 1 MILE BOUNDARY
SITE 3 - ATTACHMENT O

JMR+H Architecture, PC



Location Map



Installation Map



County Map

N
W E
S

OF = OUTFALL
DC = DISCHARGE
EO = EMERGENCY
OVERFLOW

Site Location

Entrance Gate
Gate 3 Road
33°43'43.4"N,85°53'23.4"W

Alabama Army National Guard
ADEM Storm Water Permit
Clarke Range, Alexandria, Alabama

ROCK CRUSHER
SITE 3 - ATTACHMENT P

JMR+H Architecture, PC

Outlook

Re: Clarke Range Stormwater Permit Revised Documents and Response

From Leah Ackerman <lackerman@jmrha.com>

Date Thu 6/25/2026 12:42 PM

To Mehmood, Muhammad Uzair <muhammad.mehmood@adem.alabama.gov>

Cc Lounsberry, Rachel E <restanaland@adem.alabama.gov>; Mr. Greg Hayes REM, LEED AP BD+C <gregory.s.hayes18.nfg@army.mil>; Bradley N Curvin <bradley.n.curvin.nfg@army.mil>; Lockwood, Stewart E NFG NG ALANG (USA) <stewart.e.lockwood.nfg@army.mil>

3 attachments (3 MB)

Table A_DSN001-Q.pdf; Table A_DSN003-S - DSN006-S.pdf; Table A_DSN007-S.pdf;

Good Afternoon Mr. Mehmood,
Attached are the last of the forms required for the permit renewal. Please let me know if you need anything else or have any questions. Thank you!

Leah Ackerman, LEED Green Assoc.
Project Manager

JMR+H
Architecture, PC

O: (334) 420-5672 | M: (334) 315-3079
lackerman@jmrha.com | www.jmrha.com
445 Dexter Ave., Ste. 5050, Montgomery, AL 36104

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From: Leah Ackerman <lackerman@jmrha.com>
Sent: Wednesday, June 24, 2026 07:36
To: Mehmood, Muhammad Uzair <muhammad.mehmood@adem.alabama.gov>
Cc: Lounsberry, Rachel E <restanaland@adem.alabama.gov>; Mr. Greg Hayes REM, LEED AP BD+C <gregory.s.hayes18.nfg@army.mil>; Bradley N Curvin <bradley.n.curvin.nfg@army.mil>; Lockwood, Stewart E NFG NG ALANG (USA) <stewart.e.lockwood.nfg@army.mil>
Subject: Clarke Range Stormwater Permit Revised Documents and Response

Good Morning Sir,

Below are specific answers to your responses, and the attached documents reflect the revised data. I have also included the testing report for the additional Table A requirements. I will send the Table A forms as soon as I receive an answer from our Lab about specific data I need to include.

Attachment J - P 1.pdf

Please let me know if there is anything else you need for this renewal. Thank you!

The department has reviewed the renewal application for Clark Range and has the following comments and need some additional information:

1- Please provide an outfall of choice for the representative sampling for both the Horizontal Training Area and Rock Crusher Site. A representative outfall should have similar characteristics to the outfalls it's going to represent. Also, the facilities usually consider ease of access for sampling, i.e., it's not somewhere inaccessible or unsafe for sampling.
   a. JMR+H / ALARNG: Provided the representative outfall for the HET, the Rock Crusher has been revised to one outfall as indicated.
2- The EPA forms 1 and 2F are outdated and need to be updated. Please use the updated forms from the EPA website: https://www.epa.gov/npdes/npdes-applications-and-forms-epa-applications
   a. JMR+H / ALARNG: Provided Updated Forms Attached as Requested.
3- More sampling data is required for EPA forms 2C and 2F. The data provided in the application does not include all the EPA required parameters. All parameters in Table A at the end of both forms 2C and 2F should be sampled for at least once. The Tables need to be filled out separately for each outfall. Also, for the tables B through E, any parameter that is believed present should be sampled and all the other parameters should be marked "Believed Absent" . A comprehensive list of instructions is provided at the start of each form, which also explains some of the exceptions to sampling requirements.
   a. JMR+H / ALARNG: Provided Revised Data and Additional Data.
4- Please confirm the email addresses for Clark Range's environmental contact and responsible official. One of the email addresses in application is "bradley.n.curvin.nfg@army.mil" and we have "bradley.n.curvin.nfg@mail.mil" on file. Should it be kept @mail.mil or @army.mil? Same goes for Lieutenant Colonel Chasse's email address.
   a. JMR+H / ALARNG: Brad Curvin: bradley.n.curvin.nfg@army.mil / LTC Chasse: dustin.p.chasse.mil@army.mil
5- What is the relation between outfall designation OF and DSN in the permit application? All the parameters on current permit file are in DSN designation. Please update the relevant permit forms to include all the relevant data and outfall coordinates in DSN designation.
   a. JMR+H / ALARNG: Revised Maps and Forms Provided as Requested.
6- In attachment P, only one location is provided for outfalls DSN007S-DSN010S. Is sampling being completed through these points or the locations where outfalls OF005-OF008 are?
   a. JMR+H / ALARNG: Only one outfall at this location; revised maps and forms have been provided as requested.
7. For Figure 3 and 4, does the stormwater block indicate the retention ponds?
   a. JMR+H / ALARNG: Revised Diagram Provided
8. Are outfall locations designated as OF the points where the stormwater exits the site?
   a. JMR+H / ALARNG: All forms and maps have been revised and provided as requested.

Leah Ackerman, LEED Green Assoc.
Project Manager

JMR+H
Architecture, PC

O: (334) 420-5672 | M: (334) 315-3079
lackerman@jmrha.com | www.jmrha.com
445 Dexter Ave., Ste. 5050, Montgomery, AL 36104

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Outlook

Additional Info Required - Clark Range AL0083941

From Mehmood, Muhammad Uzair <muhammad.mehmood@adem.alabama.gov>
Date Thu 2/19/2026 10:02 AM
To lackerman@jmrha.com <lackerman@jmrha.com>
Cc bradley.n.curvin.nfg@mail.mil <bradley.n.curvin.nfg@mail.mil>; bradley.n.curvin.nfg@army.mil <bradley.n.curvin.nfg@army.mil>

Good morning,

The department has reviewed the renewal application for Clark Range and has the following comments and need some additional information:

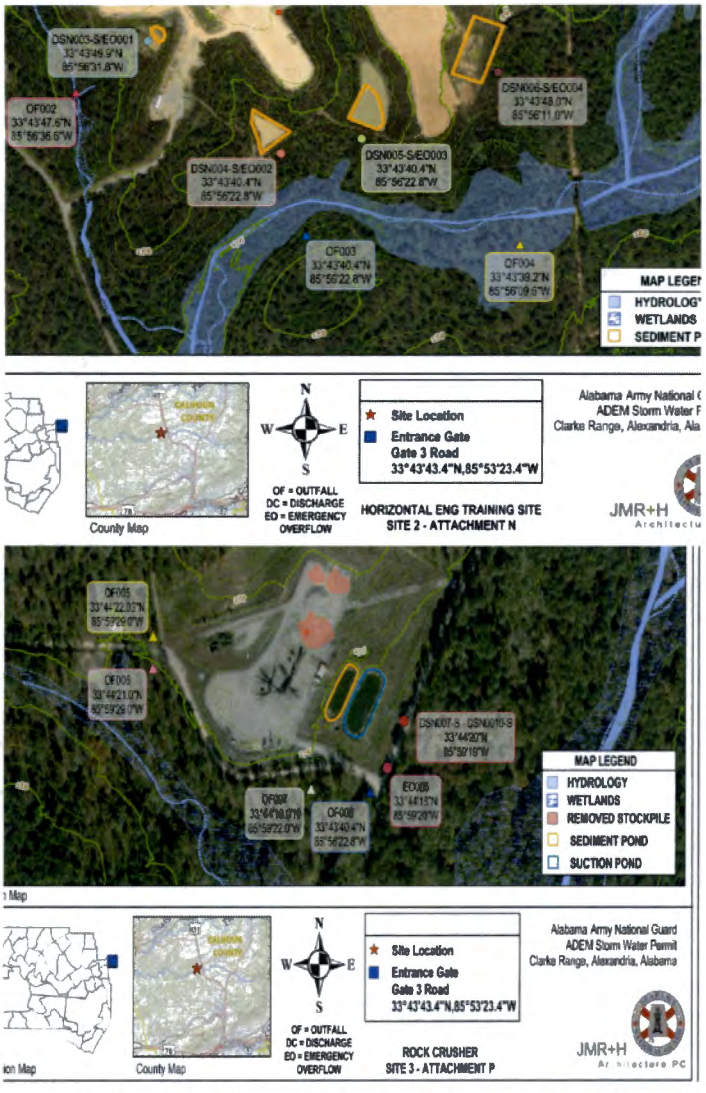
1- Please provide an outfall of choice for the representative sampling for both the Horizontal Training Area and Rock Crusher Site. A representative outfall should have similar characteristics to the outfalls it's going to represent. Also, the facilities usually consider ease of access for sampling, i.e., it's not somewhere inaccessible or unsafe for sampling.

2- The EPA forms 1 and 2F are outdated and need to be updated. Please use the updated forms from the EPA website: https://www.epa.gov/npdes/npdes-applications-and-forms-epa-applications
The data can be provided through attachments but the sections where the boxes need to be checked should be filled out on the EPA forms.

3- More sampling data is required for EPA forms 2C and 2F. The data provided in the application does not include all the EPA required parameters. All parameters in Table A at the end of both forms 2C and 2F should be sampled for at least once. The Tables need to be filled out separately for each outfall. Also, for the tables B through E, any parameter that is believed present should be sampled and all the other parameters should be marked "Believed Absent" . A comprehensive list of instructions is provided at the start of each form, which also explains some of the exceptions to sampling requirements.

4- Please confirm the email addresses for Clark Range's environmental contact and responsible official. One of the email addresses in application is "bradley.n.curvin.nfg@army.mil" and we have "bradley.n.curvin.nfg@mail.mil" on file. Should it be kept @mail.mil or @army.mil? Same goes for Lieutenant Colonel Chasse's email address.

5- What is the relation between outfall designation OF and DSN in the permit application? All the parameters on current permit file are in DSN designation. Please update the relevant permit forms to include all the relevant data and outfall coordinates in DSN designation.
Also, Please provide more detailed explanation of the retention ponds on site. The outfals DSN001 and OF001 appear to be the same points as shown in attachment K. But for the Horizontal Training Site and Rock Crusher site, these outfalls appear to be distinct, as can be seen in Attachments N and P.

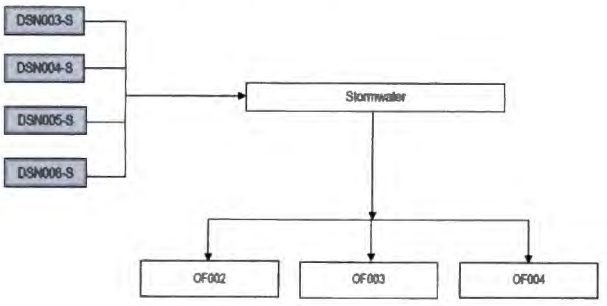


6- In attachment P, only one location is provided for outfalls DSN007S-DSN010S. Is sampling being completed through these points or the locations where outfalls OF005-OF008 are?



7- For Figure 3 and 4, does the stormwater block indicate the retention ponds?

FIGURE 3: HORIZONTAL ENGINEERING TRAINING SITE



Are outfall locations designated as OF the points where the stormwater exits the site?

Please note that EPA is looking at the completion of renewal applications more closely. All the requested information will ensure that the permit renewal is not delayed due to comments during the Public and EPA Notice period.

Let me know if you have any questions that I can answer.
Thank you.

Muhammad Uzair Mehmood
Industrial Section
Industrial/ Municipal Branch
Water Division
Alabama Department of Environmental Management
P.O Box # 301463
Montgomery, Alabama 36110
334-279-3065

ADEM

Mission: Assure for all citizens of the state a safe, healthful and productive environment

NEW ADEM ELECTRONIC SYSTEM: Alabama Environmental Permitting and Compliance System (AEPACS)

AEPACS is an electronic system that allows facilities to apply for and maintain permits as well as submit other required applications, registrations, and certifications. In addition, the system allows facilities to submit required compliance reports or other information to the Department. For general information about AEPACS, go to: http://adem.alabama.gov/egov/AEPACS.cnt. For NPDES and SID program specific information about AEPACS, go to http://adem.alabama.gov/egov/AEPACSwater.cnt.

If you have questions or need assistance with AEPACS, please contact the ADEM Web Portal/AEPACS Help Desk at ademwebportal@adem.alabama.gov. The email box is monitored Monday through Friday, 7:00 am –5:00 pm.

EMC, INC.

June 18, 2026

Mrs. Leah Ackerman
JMR+H Architecture
445 Dexter Avenue, Suite 5050
Montgomery, Alabama 36104

Subject: Transmittal of Clarke Range Stormwater Analytical Data Reports
Clarke Range Stormwater Permit Reissuance
Clarke Range
Alexandria, Alabama
EMC No. 2026-4984

Mrs. Ackerman,

As agreed, attached are the analytical results for samples collected in support of the Clarke Range Stormwater Permit reissuance. EMC retained LRS, Inc. to collect and analyze the pollutants or parameters listed in Table A, as specified by JMR+H under our agreement.

An LRS field representative collected the samples on May 7, 2026, and EMC received the laboratory analytical reports on June 1, 2026. We reviewed the results and summarized the findings for each sampled outfall in the table below.

Pollutant or Parameter	Units	MQL	DSN001Q (UTES)	DSN003 (Horizontal Eng.)	DSN007 (Rock Crushing)
Oil and Grease	mg/L	1.4	<1.4	<1.4	<1.4
Biochemical Oxygen Demand (BOD_5)	mg/L	3	<3	<3	<3
Chemical Oxygen Demand (COD)	mg/L	10	<10	<10	<10
Total Suspended Solids (TSS)	mg/L	2	7	308	10
Total Phosphorous	mg/L	0.500	<0.500	<0.500	<0.500
Total Kjeldahl nitrogen (TKN)	mg/L	0.500	<0.500	<0.500	<0.500
Total Nitrogen (as N)	mg/L	0.100	0.126	0.146	<0.100
Field pH	SU	-	7.28	7.47	7.61
Field Temperature	°F	-	69.8	68.5	70.9

mg/L (milligrams per liter) is approximately equivalent to ppm (parts per million)
MQL – Method Quantitation Limit

Environmental-Materials Consultants, Inc.
2027 Chestnut Street
Montgomery, Alabama 36106

We appreciate the opportunity to provide this service. Please do not hesitate to contact us if you have questions about EMC's work.

Sincerely,
Environmental-Materials Consultants, Inc.

Jennifer Klepac Passineau
Sr. Project Manager

Attachments

LRS, Inc.

Laboratory Resources and Solutions, Inc.

P.O. Box 1260
205 6th Avenue
Ashville, AL 35953
(205) 594-1445
www.lab-resource.com

Analytical Data Report

Environmental Materials Consultants
2027 Chestnut Street
Montgomery, AL 36106

Project ID:	Clarke Range Stormwater Permit Renewal
Sample Date:	05-07-26
Laboratory Report Number:	114679
Report Date:	Monday, June 1, 2026

LRS received sample(s) from Environmental Materials Consultants (EMC) on Thursday, May 7, 2026 at 2:00 pm. Unless otherwise noted, all samples were received in good condition and were tested in accordance with the laboratory's quality control procedures.

Data Reviewed By:

Sherry McKinney

Sherry McKinney
Project Manager

Laboratory Resources and Solutions, Inc.

smckinney@lab-resource.com

LRS, Inc.

Laboratory Resources and Solutions, Inc.

P.O. Box 1260
205 6th Avenue
Ashville, AL 35953
(205) 594-1445
www.lab-resource.com

CERTIFICATE OF ANALYSIS

Environmental Materials Consultants
2027 Chestnut Street
Montgomery, AL 36106
Jennifer Passineau

Project ID: Clarke Range Stormwater Perm
Project No AL0083941

LRS Sample ID: 114679-01 Client
Sample ID: DSN001Q (UTES)

Date & Time Collected: 05/07/2026@945
Date & Time Received: 05/07/2026@1400
Matrix: Surface Water

Parameter	Result	Units	MQL	DF	Date/Time Analyzed	Analyst	Method
BOD-5Day	<3	mg/L	3	1	05/07/2026@1700	ADW	SM5210B (A)
COD	<10	mg/L	10	1	05/11/2026@1040	ADW	SM5220D (A)
Field pH	7.28	SU			05/07/2026@945	DMS	SM4500H+B (F)
Field Temperature	69.8	°F			05/07/2026@945	DMS	SM2550B (F)
Oil & Grease	<1.4	mg/L	1.4	1	05/21/2026@1433	ADW	E1664 (B)
TSS	7	mg/L	2	1	05/07/2026@1606	JKL	SM2540D (A)
Phosphorus (P)	<0.500	mg/L	0.500	1	05/18/2026@1232	JKL	EPA-200.7 (B)

Approved By

Michael LC Norris
Laboratory Manager

LRS, Inc.

Laboratory Resources and Solutions, Inc.

P.O. Box 1260
205 6th Avenue
Ashville, AL 35953
(205) 594-1445
www.lab-resource.com

CERTIFICATE OF ANALYSIS

Environmental Materials Consultants
2027 Chestnut Street
Montgomery, AL 36106
Jennifer Passineau

Project ID: Clarke Range Stormwater Perm
Project No AL0083941

LRS Sample ID: 114679-02
Client Sample ID: DSN003 (Horizontal Engineeri

Date & Time Collected: 05/07/2026@915
Date & Time Received: 05/07/2026@1400
Matrix: Surface Water

Parameter	Result	Units	MQL	DF	Date/Time Analyzed	Analyst	Method
BOD-5Day	<3	mg/L	3	1	05/07/2026@1700	ADW	SM5210B (A)
COD	<10	mg/L	10	1	05/11/2026@1040	ADW	SM5220D (A)
Field pH	7.47	SU			05/07/2026@915	DMS	SM4500H+B (F)
Field Temperature	68.5	°F			05/07/2026@915	DMS	SM2550B (F)
Oil & Grease	<1.4	mg/L	1.4	1	05/21/2026@1433	ADW	E1664 (B)
TSS	308	mg/L	8	4	05/07/2026@1606	JKL	SM2540D (A)
Phosphorus (P)	<0.500	mg/L	0.500	1	05/18/2026@1241	JKL	EPA-200.7 (B)

Approved By

Michael LC Norris
Laboratory Manager

LRS, Inc.

Laboratory Resources and Solutions, Inc.

P.O. Box 1260
205 6th Avenue
Ashville, AL 35953
(205) 594-1445
www.lab-resource.com

CERTIFICATE OF ANALYSIS

Environmental Materials Consultants
2027 Chestnut Street
Montgomery, AL 36106
Jennifer Passineau

Project ID: Clarke Range Stormwater Perm
Project No AL0083941

LRS Sample ID: 114679-03
Client Sample ID: DSN007-S (Rock Crusher)

Date & Time Collected: 05/07/2026@850
Date & Time Received: 05/07/2026@1400
Matrix: Surface Water

Parameter	Result	Units	MQL	DF	Date/Time Analyzed	Analyst	Method
BOD-5Day	<3	mg/L	3	1	05/07/2026@1700	ADW	SM5210B (A)
COD	<10	mg/L	10	1	05/11/2026@1040	ADW	SM5220D (A)
Field pH	7.61	SU			05/07/2026@850	DMS	SM4500H+B (F)
Field Temperature	70.9	°F			05/07/2026@850	DMS	SM2550B (F)
Oil & Grease	<1.4	mg/L	1.4	1	05/21/2026@1433	ADW	E1664 (B)
TSS	10	mg/L	2	1	05/07/2026@1606	JKL	SM2540D (A)
Phosphorus (P)	<0.500	mg/L	0.500	1	05/18/2026@1243	JKL	EPA-200.7 (B)

Approved By

Michael LC Norris
Laboratory Manager

LRS, Inc.

Laboratory Resources and Solutions, Inc.

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(205) 594-1445
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Analytical Methods

(A) Method Reference - Standard Methods for the Examination of Water and Wastewater, 23rd Edition.

(B) Method Reference - This method was developed under EPA contract 68-C-98-139. US EPA National Center for Environmental Publications and Information, EPA 821-R-98-002, February 1999.

(C) Sample was filtered through a 0.45um glass fiber filter prior to analysis.

(D) Method Reference - Test Methods for Evaluating Solid Waste: Physical/Chemical Methods Compendium (SW-846)

(H) This test method is under the jurisdiction of ASTM Committee D02 on Petroleum Products and Lubricants and the API Committee on Petroleum Measurement.

Field Methods

(E) Field Flow = Flow analyzed via JDC Electronics Flowatch ® flowmeter, referencing method SESD (Science and Ecosystem Support Division - USEPA) 109-R4

(F) Field pH and Field Temperature = Analyzed via an Oakton pH Tester® 30 Waterproof Pocket (Double Junction), for analysis of pH and Temperature.

(G) Residual Chlorine = Analyzed via a Hach Pocket Colorimeter ™ II, for analysis of Chlorine (Free and Total).

Reporting Unit

(I) Surfactants-MBAS = the reporting unit is mg MBAS/L (Calculated as LAS, mol wt. 318)

Analyst Name

Andrew Witchell (ADW)
Jesse Lunsford (JKL)
Michael Norris (MLN)

Field Service Tech Name:

Jo Ella Hood (JEH)
Kathryn Bailey (KMB
Michael Norris (MLN)
Mike Summy (DMS)
Trent Alexander (TSA)

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QAQC Results

QC Batch

Test	Batch
BOD-5Day	R-120689
COD	R-710141
Oil & Grease	R-130465
Phosphorus (P)	R-550110
TSS	R-100545

QC Blank

Test	Type of Blank	Blank Value
BOD-5Day	Initial	<0.2
COD	Initial	<10
Oil & Grease	Initial	<1.4
Phosphorus (P)	Initial	<0.5
TSS	Final	<2

QC Duplicates

Test	Sample ID	Result	Duplicate	% RPD	Max % RPD
BOD-5Day	114462-01	<300	<300	0.0	25
COD	114057-01	810	798	1.5	25
Oil & Grease	114432-01	<1.5	<1.5	0.0	25
Phosphorus (P)	114679-01	<0.5	<0.5	0.0	25
TSS	113079-01	91	92	1.1	25

QC Spike Recovery

Test	Sample ID	Result	Spike Level	Result + Spike	Recovery (%)
COD	114672-02	<10	250	264	101.6
Oil & Grease	113502-01	0.3	20	18.4	90.5
Phosphorus (P)	112727-01	0.882	10	10.37475	94.9

QC Standards

Test	Standard	Low Limit	Obtained	High Limit	% Recovery
BOD-5Day	DGA Cert.@198m	168	218	228	110.1

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COD	Certified @ 200mg	160	203	240	101.5
Oil & Grease	Cert. @ 40mg/L	32	42.6	48	106.5
Phosphorus (P)	QCS - 25ppm	20	26.15304	30	104.6
TSS	Cert.@100mg/L	80	92	120	92.0

LRS Client Info	Environmental Materials Consultants 2027 Chestnut Street Montgomery, AL 36106

Project:	Clarke Range Stormwater Permit Renewal
Project Desc:	AL0083941
Date Due:	Standard 7 to 10 business days-No Surcharge
Project Turnaround (Begins on Lab Login Date)	Two Day* (50%) / Next Day* (100%) / Three Day* (25%) / Same Day* (200%)
	(*) = RUSH Surcharges will apply.

Laboratory Resources and Solutions, Inc.

A Laboratory Service Provider

Chain of Custody

P.O. Box 1260
205 6th Avenue
Ashville, AL 35953
Phone: (205) 594-1445

Report To: **Jennifer Passineau**

Collected By: Michael Summy

City/State Collected: Alexandria, Alabama

Packed on Ice? No _____ Yes ✓

P.O. Number:

Field Testing: pH Meter No: / Date and Time: / 3 pt. Calibration: / Cal. Check Stnd. 7.00 @ ___ C / pH: / Temp (C): / Rainfall (in): / Flow:

LRS Sample No	Client Sample ID	Type	Matrix	Collection Date	Collection Time	(1) BOD-5Day SM5210B (A) HDPE 1L Non-Pres	(1) COD SM5220D (A) HDPE 250mL Q-Seal H_2SO_4	(1) Field pH SM4500H+B (F) PET 5oz Non-Pres	(1) Field Temperature SM2550B (F) PET 5oz Non-Pres	(1) Nitrogen, Total SM4500NO3/Norg HDPE 500mL Q-Seal H_2SO_4	(1) Oil & Grease E1664 (B) Glass 32oz(1L) Amber H_2SO_4	(1) Phosphorus (P) EPA-200.7 (B) HDPE 250mL Q-Seal HNO_3 Bulk	(1) TKN SM4500Norg HDPE 500mL Q-Seal H_2SO_4	(1) TSS SM2540D (A) HDPE 1L Non-Pres						Notes / Remarks
114679-01	DSN002Q (UTES)	G	SW	5-7-26	~~850~~ 845	A	D	F	F	E	B	C	E	A						
114679-02	DSN003 (Horizontal Engineering)	G	SW	5-7-26	915	A	D	F	F	E	B	C	E	A						
114679-03 H	DSN007-DSN010 (Rock Crusher)	G	SW	5-7-26	850	A	D	F	F	E	B	C	E	A						

DW Drinking Water; GW Ground Water; LQW Liquid Waste; OI Oil; OT Other; PW Process Water; S Soil; SLD Sludge
SLW Solid Waste; SOL Solvent; SS Soil/Solid; SW Surface Water; W Water; WI Wipes; WW Wastewater

	Date:	Time:		Date:	Time:	Condition (Lab Use Only)
Relinquished by:(Signature)	05-07-26	1400	Received by:(Signature) Terry Montgomery	050726	1400	On ice 4.0C
Relinquished by:(Signature)	Date:	Time:	Received by:(Signature)	Date:	Time:	
Relinquished by:(Signature)	Date:	Time:	Received by:(Signature)	Date:	Time:	Bottles Rcvd / pH Checked / NCF

Client signature Implies acceptance of LRS Terms and Conditions, which can be viewed online at www.lab-resource.com

LRS, Inc.

Laboratory Resources and Solutions, Inc.

P.O. Box 1260
205 6th Avenue
Ashville, AL 35953
(205) 594-1445
www.lab-resource.com

Lab Number 114679
Client Environmental Materials Consultants (EMC)
Project Clarke Range Stormwater Permit Renewal

Received By Kerry Montgomery
Date Received 5/7/26 14:00

Shipment Method	LRS
Shipping Container/cooler compromised?	No
Number of Coolers / Boxes received?	1
Total Container Count	12
Custody Seals intact on shipping container/cooler?	N/A
Custody seals intact on sample bottles?	N/A
Cooler or Sample Temp upon receipt?	4.0C
Thermometer ID:	1233
Sample(s) received at 0-6oC (or 0-8oC for BACT)	Yes
Samples are considered acceptable as cooling process has begun?	Yes
Chain of Custody (CoC) present?	Yes
CoC agrees with sample label(s)?	Yes
Collection times noted?	Yes
Samples in proper container types?	Yes
Sample contains proper preservative?	Yes
Sample containers intact?	Yes
All samples received within holding time?	Yes
Requested turn-around time on CoC?	No

Waypoint ANALYTICAL

2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ◦ Fax 901.213.2440
www.waypointanalytical.com

5/22/2026

Environmental Materials Consultants, Inc.
Ms. Jennifer Passineau
2027 Chestnut Street
Montgomery, AL, 36106

Ref: Analytical Testing
Lab Report Number: 26-128-0192
Client Project Description: Clarke Range Stormwater Permit Renewal
Project # AL0083941
Alexandria, Alabama

Dear Ms. Jennifer Passineau:
Waypoint Analytical Tennessee (Env) received sample(s) on 5/8/2026 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method. Where the laboratory was not responsible for the sampling stage (refer to the chain of custody) results apply to the sample as received.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Kim Storey

Kim S Storey

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Waypoint ANALYTICAL

2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
www.waypointanalytical.com

Certification Summary

Laboratory ID: WP ETN: Waypoint Analytical, LLC. (Env), Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	11/14/2026
Arkansas	State Program	Lab-0063	02/05/2027
California	State Program	2904	06/30/2026
Florida	State Program - NELAP	E871157	06/30/2026
Georgia	State Program	04015	06/30/2026
Georgia	State Program	C044	08/11/2028
Illinois	State Program - NELAP	200078	10/31/2026
Kentucky	State Program	80215	06/30/2026
Kentucky	State Program	KY90047	12/31/2026
Louisiana	State Program - NELAP	04015	06/30/2026
Louisiana	State Program - NELAP	LA037	06/30/2026
Mississippi	State Program	MS	08/11/2028
North Carolina	State Program	415	12/31/2026
North Carolina	State Program	47701	07/31/2026
Oklahoma	State Program - NELAP	9311	12/31/2026
Pennsylvania	State Program - NELAP	68-03195	05/31/2026
South Carolina	State Program	84002	07/01/2026
Tennessee	State Program	02027	08/11/2028
Texas	State Program - NELAP	T104704180	09/30/2026
Virginia	State Program	00106	06/30/2026
Virginia	State Program - NELAP	460181	09/30/2026
West Virginia	State Program	426	03/31/2027

Waypoint ANALYTICAL

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Sample Summary Table

Report Number: **26-128-0192**

Client Project Description: **Clarke Range Stormwater Permit Renewal**
Project # AL0083941
Alexandria, Alabama

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
90946	DSN001Q (UTES)	Aqueous	05/07/2026 09:45	05/08/2026
90947	DSN003Q (Horizontal Egineering)	Aqueous	05/07/2026 09:15	05/08/2026
90948	DSN007-S (Rock Crusher)	Aqueous	05/07/2026 08:50	05/08/2026

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07606
Environmental Materials Consultants, Inc.
Ms. Jennifer Passineau
2027 Chestnut Street
Montgomery , AL 36106

Project Clarke Range Stormwater Permit Renewal
Information : Project # AL0083941
Alexandria, Alabama

Report Date : 05/22/2026
Received : 05/08/2026

Kim S Storey

Report Number : **26-128-0192**

REPORT OF ANALYSIS

Lab No : **90946**
Sample ID : **DSN002Q (UTES)**

Matrix: **Aqueous**
Sampled: **5/7/2026 09:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Nitrate+Nitrite-N	**0.126**	mg/L	0.100	1	05/13/26 12:50	AAZ	4500NO3F-2019
Total Kjeldahl Nitrogen	<0.500	mg/L	0.500	1	05/14/26 10:14	KAC	4500NORGD-2021
Total Nitrogen	**0.126**	mg/L	0.100	1	05/13/26 12:50		CALCULATION

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

Waypoint ANALYTICAL

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07606
Environmental Materials Consultants, Inc.
Ms. Jennifer Passineau
2027 Chestnut Street
Montgomery , AL 36106

Project Clarke Range Stormwater Permit Renewal

Information : Project # AL0083941
Alexandria, Alabama

Report Date : 05/22/2026
Received : 05/08/2026

Kim S Storey

Report Number : **26-128-0192**

REPORT OF ANALYSIS

Lab No : **90947**
Sample ID : **DSN003Q (Horizontal Egineering)**

Matrix: **Aqueous**
Sampled: **5/7/2026 09:15**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Nitrate+Nitrite-N	**0.146**	mg/L	0.100	1	05/13/26 12:52	AAZ	4500NO3F-2019
Total Kjeldahl Nitrogen	<0.500	mg/L	0.500	1	05/14/26 10:04	KAC	4500NORGD-2021
Total Nitrogen	**0.146**	mg/L	0.100	1	05/13/26 12:52		CALCULATION

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

Waypoint ANALYTICAL

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Environmental Materials Consultants, Inc.
Ms. Jennifer Passineau
2027 Chestnut Street
Montgomery , AL 36106

Project Clarke Range Stormwater Permit Renewal

Information : Project # AL0083941
Alexandria, Alabama

Report Date : 05/22/2026
Received : 05/08/2026

Kim S Storey

Report Number : **26-128-0192**

REPORT OF ANALYSIS

Lab No : **90948**
Sample ID : **DSN007-S (Rock Crusher)**

Matrix: **Aqueous**
Sampled: **5/7/2026 08:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Nitrate+Nitrite-N	<0.100	mg/L	0.100	1	05/13/26 12:52	AAZ	4500NO3F-2019
Total Kjeldahl Nitrogen	<0.500	mg/L	0.500	1	05/14/26 10:06	KAC	4500NORGD-2021
Total Nitrogen	<0.100	mg/L	0.100	1	05/13/26 12:52		CALCULATION

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

Waypoint ANALYTICAL

2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
www.waypointanalytical.com

Shipment Receipt Form

Customer Number: **07606**
Customer Name: **Environmental Materials Consultants, Inc.**
Report Number: **26-128-0192**

Shipping Method

○ Fed Ex	○ US Postal	○ Lab	○ Other :	
○ UPS	○ Client	◉ Courier	Thermometer ID:	T136

Shipping container/cooler uncompromised?	◉ Yes	○ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	◉ Yes	○ No	○ Not Present
Custody seals intact on sample bottles?	○ Yes	○ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	○ No	
COC agrees with sample label(s)?	◉ Yes	○ No	
COC properly completed	◉ Yes	○ No	
Samples in proper containers?	◉ Yes	○ No	
Sample containers intact?	◉ Yes	○ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	○ No	
All samples received within holding time?	◉ Yes	○ No	
Cooler temperature in compliance?	◉ Yes	○ No	○ Not Present
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	○ No	
Water - Sample containers properly preserved	◉ Yes	○ No	○ N/A
Water - Sulfuric containers verified pH <2	◉ Yes	○ No	○ N/A
Water - VOA vials free of headspace	○ Yes	○ No	◉ N/A
Trip Blanks received with VOAs	○ Yes	○ No	◉ N/A
Soil VOA method 5035 – compliance criteria met	○ Yes	○ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	○ Yes	◉ No

Comments:

Signature: Kayley Miller Date & Time: 05/08/2026 15:22:05

LRS Client Info

Environmental Materials Consultants
2027 Chestnut Street
Montgomery, AL 36106

Project: **Clarke Range Stormwater Permit Renewal**
Project Desc: AL0083941
Date Due: Standard 7 to 10 business days-No Surcharge
Project Turnaround (Begins on Lab Login Date): Two Day* (50%) | Next Day* (100%) | Three Day* (25%) | Same Day* (200%)
(*) = RUSH Surcharges will apply.

Laboratory Resources and Solutions, Inc.
A Laboratory Service Provider

Chain of Custody

P.O. Box 1260
205 6th Avenue
Ashville, AL 35953
Phone: (205) 594-1445

Report To: **Jennifer Passineau**

Collected By: Michael Summy

City/State Collected: Alexandria, Alabama

Packed on Ice? No _____ Yes ✓

P.O. Number:

Field Testing:
pH Meter No:
Date and Time:
3 pt. Calibration:
Cal. Check Stnd. 7.00 @ C
pH: Temp (C):
Rainfall (in): Flow:

LRS Sample No	Client Sample ID	Type	Matrix	Collection Date	Collection Time	(1) BOD 5day SM5210B (A) HDPE 1L Non-Pres	(1) COD SM5220D (A) HDPE 250ml Q-Seal H_2SO_4	(1) Field pH SM4500H+B (F) PET 5oz Non-Pres	(1) Field Temperature SM2550B (F) PET 5oz Non-Pres	(1) Nitrogen,Total SM4500NO3/Norg HDPE 500mL Q-Seal H_2SO_4	(1) Oil & Grease E1664 (B) Glass 32oz(1L) Amber H_2SO_4	(1) Phosphorus (P),EPA-200.7 (B) HDPE 250mL Q-Seal HNO_3 Bulk	(1) TKN SM4500Norg HDPE 500mL Q-Seal H_2SO_4	(1) TSS SM2540D (A) HDPE 1L Non-Pres	Notes / Remarks
114679-01	DSN002Q (UTES)	G	SW	5-7-26	~~850~~ 845	X	D	F	F	E	B	C	E	A	
114679-02	DSN003 (Horizontal Engineering)	G	SW	5-7-26	915	X	D	F	F	E	B	C	E	A	
114679-03	DSN007-DSN010 (Rock Crusher)	G	SW	5-7-26	850	X	D	F	F	E	B	C	E	A	

26-128-0192
07606
05-08-2026
15:20:50
Environmental Materials Consultants, Inc.
Clarke Range Stormwater Permit Renewal

Custody Seals received on:
Cooler(s)/Container(s)

DW Drinking Water | GW Ground Water | LQW Liquid Waste | OI Oil | OT Other | PW Process Water | S Soil | SLD Sludge
SLW Solid Waste | SOL Solvent | SS Soil/Solid | SW Surface Water | W Water | WI Wipes | WW Wastewater

Relinquished by:(Signature)	Date:	Time:	Received by:(Signature)	Date:	Time:	Condition (Lab Use Only)
	5/7/26	1700				T136 1.40c Rem
Relinquished by:(Signature)	Date:	Time:	Received by:(Signature)	Date:	Time:	
Relinquished by:(Signature)	Date:	Time:	Received by:(Signature)	Date: 5/8/26	Time: 1200	Bottles Rcvd / pH Checked / NCF

Client signature implies acceptance of LRS Terms and Conditions, which can be viewed online at www.lab-resource.com

UTES 1_Clarke Range			
Discharge Point	**Description**	**Sampling Parameters**	**Frequency**
DSN001Q	Stormwater/Washwater from UTES 1	TSS, Oil and Grease, Phosphorous, Toluene, Benzene, Napthalene, Xylene, pH and Flow	Quarterly
~~DSN002Q~~	~~Stormwater/Washwater from UTES 1~~	~~TSS, Oil and Grease, Phosphorous, Toluene, Benzene, Napthalene, Xylene, pH and Flow~~	~~Quarterly~~ ***Inactive***
Horizontal Engineer Training_Clarke Range			
Discharge Point	**Description**	**Sampling Parameters**	**Frequency**
DSN003S	Stormwater from HET Area (Rep. Sample)	TSS, Oil and Grease, pH and Flow	Semi-Annually
DSN004S	Stormwater from HET Area (Dry Basin)	TSS, Oil and Grease, pH and Flow	Semi-Annually
DSN005S	Stormwater from HET Area (Dry Basin)	TSS, Oil and Grease, pH and Flow	Semi-Annually
DSN006S	Stormwater from HET Area (Dry Basin)	TSS, Oil and Grease, pH and Flow	Semi-Annually
Rock Crusher_Clarke Range			
Discharge Point	**Description**	**Sampling Parameters**	**Frequency**
DSN007S	Stormwater from Rock Crusher Site	TSS, Oil and Grease, pH and Flow	Semi-Annually
~~DSN008S~~	~~Stormwater from Rock Crusher Site~~	~~TSS, Oil and Grease, pH and Flow~~	~~Semi-Annually~~ ***Not Present***
~~DSN009S~~	~~Stormwater from Rock Crusher Site~~	~~TSS, Oil and Grease, pH and Flow~~	~~Semi-Annually~~ ***Not Present***
~~DSN010S~~	~~Stormwater from Rock Crusher Site~~	~~TSS, Oil and Grease, pH and Flow~~	~~Semi-Annually~~ ***Not Present***

Parameter	Method	Total Samples
TSS	2540D	25
Oil and Grease	1664	25
Phosphorous	365.1	9
Toluene	8260	9
Benzene	8260	9
Napthalene	8260	9
Xylene	8260	9

JOINT FORCE HEADQUARTERS
ALABAMA ARMY NATIONAL GUARD
1720 CONGRESSMAN WILLIAM L. DICKINSON DRIVE
P. O. BOX 3711
MONTGOMERY, AL 36109-0711

02 October 2025

Mr. Scott Ramsey
ADEM
Industrial Permits Section
Water Division
1400 Coliseum Blvd
Montgomery, AL 36110-2400

SUBJECT: Industrial Permit Renewal for Pelham Range Permit Number AL0083941

Dear Mr. Ramsey,

Attached you will find the National Pollutant Discharge Elimination System (NPDES) permit renewal application for the Alabama Army National Guard's current Pelham Range Training Area. In 2023 Pelham Range Training Area was renamed Clarke Range Complex, which should be reflected in the renewed permit. Clarke Range is located in Alexandria, AL in Calhoun County. The permit renewal will include the same sites located throughout the range. These include UTES 1, the Horizontal Training Area and the Rock Crusher Site.

ALARNG would like to request the following changes:

1. Remove discharge point DSN002Q from the permit. The wash rack and oil water separator have been removed, and the discharge line has been capped. DSN002Q longer discharges to the environment.
2. Request consolidation of sampling locations for the Horizontal Training Area into one representative composite sample per sampling event. 5 years of previous analytical results are being submitted with the renewal application.
3. Request consolidation of sampling locations for the Rock Crusher Site into one representative composite sample per sampling event. 5 years of previous analytical results are being submitted with the renewal application.

The permit application prepared by JMR+H is enclosed. The permit application fee of $5,615 will be submitted via check to ADEM.

Additional questions or comments should be addressed to Mr. Brad Curvin at (334)-523-4027 or emailed to bradley.n.curvin.nfg@army.mil.

Sincerely,

CLAY S. STRICKLAND
COL, EN, AL-ARNG
Construction and Facility Management Office

Enclosure