Edward F. Poolos
Director

Jeffery W. Kitchens
Deputy Director

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

Kay Ivey
Governor

October 15, 2026

Mr. August Eltz III
Owner
Roll Rock Quarries, LLC
2912 Tooles Bend Rd.
Knoxville, TN 37922

RE: Draft Permit
Falkville Quarry
NPDES Permit Number AL0067709
Morgan County (103)

Dear Mr. Eltz III:

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

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

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

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

Should you have any questions concerning this matter, please contact Robert Glover at (334) 271-7975 or robert.glover@adem.alabama.gov.

Sincerely,

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

WDM/rlg File: DPER/6472

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

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: Roll Rock Quarries LLC
2912 Tooles Bend Road
Knoxville, TN 37922

FACILITY LOCATION: Falkville Quarry
320 Akins Mountain Road
Falkville, AL 35622
Morgan County
T7S, R3W, Section 31
T8S, R3W, Section 6

PERMIT NUMBER: AL0067709

DSNRECEIVING STREAM:
001 – 1 Unnamed Tributary to Cedar Creek (Groundwater)
002 – 1 Unnamed Tributary to Cedar Creek (Groundwater)
003 – 1 Unnamed Tributary to Painter Branch (Groundwater)
004 – 1 Painter Branch (Groundwater)
005 – 1 Unnamed Tributary to Cedar Creek (Groundwater)
006 – 1 Unnamed Tributary to Cedar Creek (Groundwater)

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT

Limestone Quarry, Wet/Dry Preparation, Transportation and Storage, and Associated Areas

TABLE OF CONTENTS

PART I DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS 4

B. REQUIREMENTS TO ACTIVATE A PROPOSED MINING OUTFALL 4

C. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS 4
1. Sampling Schedule and Frequency 4
2. Measurement Frequency 5
3. Monitoring Schedule 5
4. Sampling Location 6
5. Representative Sampling 6
6. Test Procedures 6
7. Recording of Results 7
8. Routine Inspection by Permittee 7
9. Records Retention and Production 8
10. Monitoring Equipment and Instrumentation 8

D. DISCHARGE REPORTING REQUIREMENTS 8
1. Requirements for Reporting of Monitoring 8
2. Noncompliance Notification 10
3. Reduction, Suspension, or Termination of Monitoring and/or Reporting 11

E. OTHER REPORTING AND NOTIFICATION REQUIREMENTS 12
1. Anticipated Noncompliance 12
2. Termination of Discharge 12
3. Updating Information 12
4. Duty to Provide Information 13

F. SCHEDULE OF COMPLIANCE 13

PART II OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. OPERATIONAL AND MANAGEMENT REQUIREMENTS 14
1. Facilities Operation and Management 14
2. Pollution Abatement and/or Prevention Plan 14
3. Best Management Practices (BMPs) 14
4. Biocide Additives 16
5. Facility Identification 16
6. Removed Substances 16
7. Loss or Failure of Treatment Facilities 16
8. Duty to Mitigate 17

B. BYPASS AND UPSET 17
1. Bypass 17
2. Upset 18

C. PERMIT CONDITIONS AND RESTRICTIONS 19
1. Prohibition against Discharge from Facilities Not Certified 19
2. Permit Modification, Suspension, Termination, and Revocation 19
3. Automatic Expiration of Permits for New or Increased Discharges 20
4. Transfer of Permit 21

5. Groundwater 21
6. Property and Other Rights 21

D. RESPONSIBILITIES 21
1. Duty to Comply 21
2. Change in Discharge 22
3. Compliance with Toxic or Other Pollutant Effluent Standard or Prohibition 22
4. Compliance with Water Quality Standards and Other Provisions 22
5. Compliance with Statutes and Rules 23
6. Right of Entry and Inspection 23
7. Duty to Reapply or Notify of Intent to Cease Discharge 23

PART III ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. CIVIL AND CRIMINAL LIABILITY 25
1. Tampering 25
2. False Statements 25
3. Permit Enforcement 25
4. Relief From Liability 25

B. OIL AND HAZARDOUS SUBSTANCE LIABILITY 25

C. AVAILABILITY OF REPORTS 25

D. DEFINITIONS 25

E. SEVERABILITY 30

F. PROHIBITIONS AND ACTIVIES NOT AUTHORIZED 30

G. DISCHARGES TO IMPAIRED WATERS 30

PART I DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the effective date of this Permit and lasting through the expiration date of this Permit, the Permittee is authorized to discharge from each point source identified on Page 1 of this Permit and described more fully in the Permittee's application, if the outfalls have been constructed and certified. Discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Discharge Limitations			Monitoring Requirements	
	Daily Minimum	Monthly Average	Daily Maximum	Sample Type	Measurement Frequency[1]
pH 00400	6.0 s.u.	-------	8.5 s.u.	Grab	2/Month
Solids, Total Suspended 00530	-------	25.0 mg/L	45.0 mg/L	Grab	2/Month
Flow, In Conduit or Thru Treatment Plant[2] 50050	-------	Report MGD	Report MGD	Instantaneous	2/Month

B. REQUIREMENTS TO ACTIVATE A PROPOSED MINING OUTFALL

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

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

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

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

C. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

1. Sampling Schedule and Frequency

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

---

[1] See Part I.C.2. for further measurement frequency requirements.

[2] Flow must be determined at the time of sample collection by direct measurement, calculation, or other method acceptable to the Department.

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

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

2. Measurement Frequency

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

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

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

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

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

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

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

3. Monitoring Schedule

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

a. MONITORING REQUIRED MORE FREQUENTLY THAN MONTHLY AND MONTHLY shall be conducted during the first full month following the effective date of coverage under this Permit and every month thereafter. More frequently than monthly and monthly monitoring may be done anytime during the month, unless restricted elsewhere in this Permit, but the results should be reported on the last Discharge Monitoring Report (DMR) due for the quarter (i.e., with the March, June, September, and December DMRs).

b. QUARTERLY MONITORING shall be conducted at least once during each calendar quarter. Calendar quarters are the periods of January through March, April through June, July through September, and October through December. The Permittee shall conduct the quarterly monitoring during the first complete calendar quarter following the effective date of this Permit and is then required to monitor once during each quarter thereafter. Quarterly monitoring may be done anytime during the quarter, unless restricted elsewhere in this

Permit, but the results should be reported on the last DMR due for the quarter (i.e., with the March, June, September, and December DMRs).

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

d. ANNUAL MONITORING shall be conducted at least once during the period of January through December. The Permittee shall conduct the annual monitoring during the first complete calendar annual period following the effective date of this Permit and is then required to monitor once during each annual period thereafter. Annual monitoring may be done anytime during the year, unless restricted elsewhere in this Permit, but it should be reported on the December DMR.

4. Sampling Location

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

5. Representative Sampling

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

6. Test Procedures

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

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

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

Permittees may develop an effluent matrix-specific ML, where an effluent matrix prevents attainment of the established ML. However, a matrix specific ML shall be based upon proper laboratory method and technique. Matrix-specific MLs must be approved by the

Department, and may be developed by the Permittee during permit issuance, reissuance, modification, or during compliance schedule.

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

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

The Minimum Level utilized for procedures identified in Parts I.C.6.a. and b. shall be reported on the Permittee's DMR. When an EPA approved test procedure for analysis of a pollutant does not exist, the Director shall approve the procedure to be used.

7. Recording of Results

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

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

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

c. The dates and times the analyses were performed;

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

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

f. The results of all required analyses.

8. Routine Inspection by Permittee

a. The Permittee shall inspect all point sources identified on Page 1 of this Permit and described more fully in the Permittee's application and all treatment or control facilities or systems used by the Permittee to achieve compliance with the terms and conditions of this Permit at least as often as the applicable sampling frequency specified in Part I.C.1 of this Permit.

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

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

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

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

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

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

9. Records Retention and Production

a. The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Permit, and records of all data used to complete the above reports or the application for this Permit, for a period of at least three (3) years from the date of the sample collection, measurement, report, or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA, AEMA, and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director, the Permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records should not be submitted unless requested.

b. All records required to be kept for a period of three (3) years shall be kept at the permitted facility or an alternate location approved by the Department in writing and shall be available for inspection.

10. Monitoring Equipment and Instrumentation

All equipment and instrumentation used to determine compliance with the requirements of this Permit shall be installed, maintained, and calibrated in accordance with the manufacturer's instructions or, in the absence of manufacturer's instructions, in accordance with accepted practices. The Permittee shall develop and maintain quality assurance procedures to ensure proper operation and maintenance of all equipment and instrumentation. The quality assurance procedures shall include the proper use, maintenance, and installation, when appropriate, of monitoring equipment at the plant site.

D. DISCHARGE REPORTING REQUIREMENTS

1. Requirements for Reporting of Monitoring

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

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

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

d. The permittee may submit a request to the Department for a temporary electronic reporting waiver for DMR submittals. The waiver request should include the permit number; permittee name; facility/site name; facility address; name, address, and contact information for the responsible official or duly authorized representative; a detailed statement regarding the basis for requesting such a waiver; and the duration for which the waiver is requested. Approved electronic reporting waivers are not transferrable. Permittees with an approved electronic reporting waiver for DMRs may submit hard copy DMRs for the period that the approved electronic reporting waiver request is effective. The Permittee shall submit the Department-approved DMR forms to the address listed in Part I.D.1.i.

e. If the Permittee, using approved analytical methods as specified in Part I.C.6., monitors any discharge from a point source identified on Page 1 of this Permit and describe more fully in the Permittee's application more frequently than required by this Permit; the results of such monitoring shall be included in the calculation and reporting of values on the DMR Form, and the increased frequency shall be indicated on the DMR Form.

f. In the event no discharge from a point source identified on Page 1 of this Permit and described more fully in the Permittee's application occurs during a monitoring period, the Permittee shall report "No Discharge" for such period on the appropriate DMR Form.

g. Each DMR Form submitted by the Permittee to the Department in accordance with Part I.D.1. must be legible and bear an original signature or electronic signature. Photo and electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this Permit.

h. All reports and forms required to be submitted by this Permit, the AWPCA, and the Department's rules and regulations, shall be signed by a "responsible official" of the Permittee as defined in ADEM Admin. Code r. 335-6-6-.09 or a "duly authorized representative" of such official as defined in ADEM Admin. Code r. 335-6-6-.09 and shall bear the following certification:

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

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

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

Certified and Registered Mail shall be addressed to:

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

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

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

2. Noncompliance Notification

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

(1) Potentially threatens human health or welfare;

(2) Potentially threatens fish or aquatic life;

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

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

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

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

The Permittee shall orally or electronically report any of the above occurrences, describing the circumstances and potential effects of such discharge to the Director within 24-hours after the Permittee becomes aware of the occurrence of such discharge. In addition to the oral or electronic report, the Permittee shall submit to the Director a written report as

provided in Part I.D.2.c., no later than five (5) days after becoming aware of the occurrence of such discharge.

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

c. An electronic Noncompliance Notification Form in a Department-approved format must be submitted to the Director in accordance with Parts I.D.2.a. and b. The completed form must document the following information:

(1) A description of the discharge and cause of noncompliance;

(2) The period of noncompliance, including exact dates and times, or if not corrected, the anticipated time the noncompliance is expected to continue; and

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

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

a. The Director may, with respect to any point source identified on Page 1 of this Permit and described more fully in the Permittee's application, authorize the Permittee to reduce, suspend, or terminate the monitoring and/or reporting required by this Permit upon the submission of a written request for such reduction, suspension, or termination by the Permittee provided:

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

(2) Permanent, perennial vegetation has been re-established on all areas mined or disturbed for at least one year since mining has ceased in the drainage basin(s) associated with the surface discharge, or all areas have been permanently graded such that all drainage is directed back into the mined pit to preclude all surface discharges;

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

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

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

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

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

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

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

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

b. It remains the responsibility of the Permittee to comply with the monitoring and reporting requirements of this Permit until written authorization to reduce, suspend, or terminate such monitoring and/or reporting is received by the Permittee from the Director.

E. OTHER REPORTING AND NOTIFICATION REQUIREMENTS

1. Anticipated Noncompliance

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

2. Termination of Discharge

The Permittee shall notify the Director, in writing, when all discharges from any point source(s) identified on Page 1 of this Permit and described more fully in the Permittee's application have permanently ceased.

3. Updating Information

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

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

4. Duty to Provide Information

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

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

F. SCHEDULE OF COMPLIANCE

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

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

PART II OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. OPERATIONAL AND MANAGEMENT REQUIREMENTS

1. Facilities Operation and Management

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

2. Pollution Abatement and/or Prevention Plan

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

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

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

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

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

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

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

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

3. Best Management Practices (BMPs)

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

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

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

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

e. Spill Prevention, Control, and Management

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

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

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

4. Biocide Additives

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

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

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

(c) Quantities to be used;

(d) Frequencies of use;

(e) Proposed discharge concentrations; and

(f) EPA registration number, if applicable.

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

5. Facility Identification

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

6. Removed Substances

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

7. Loss or Failure of Treatment Facilities

Upon the loss or failure of any treatment facility, including but not limited to the loss or failure of the primary source of power of the treatment facility, the Permittee shall, where necessary to maintain compliance with the discharge limitations specified in Part I.A. of this Permit or any other terms or conditions of this Permit, cease, reduce, or otherwise control production and/or discharges until treatment is restored.

8. Duty to Mitigate

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

B. BYPASS AND UPSET

1. Bypass

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

b. A bypass is not prohibited if:

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

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

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

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

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

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

(2) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if the Permittee could have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

(3) The Permittee submits a written request for authorization to bypass to the Director at least ten (10) days, if possible, prior to the anticipated bypass or within 24 hours of an unanticipated bypass, the Permittee is granted such authorization, and Permittee complies with any conditions imposed by the Director to minimize any adverse impact to waters resulting from the bypass.

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

2. Upset

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

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

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

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

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

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

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

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

(2) No later than five (5) days after becoming aware of the occurrence of the upset, furnish the Director with evidence, including properly signed, contemporaneous operating logs, design drawings, construction certification, maintenance records, weir flow measurements, dated photographs, rain gauge measurements, or other relevant evidence, demonstrating that:

(i) An upset occurred;

(ii) The Permittee can identify the specific cause(s) of the upset;

(iii) The Permittee's treatment facility was being properly operated at the time of the upset; and

(iv) The Permittee promptly took all reasonable steps to minimize any adverse impact to waters resulting from the upset.

d. A discharge which is an overflow from a treatment facility or system, or an excess discharge from a point source associated with a treatment facility or system and which results from a 24-hour precipitation event larger than a 10-year, 24-hour precipitation event is not eligible to be considered as a result of an upset unless:

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

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

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

C. PERMIT CONDITIONS AND RESTRICTIONS

1. Prohibition against Discharge from Facilities Not Certified

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

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

2. Permit Modification, Suspension, Termination, and Revocation

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

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

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

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

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

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

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

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

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

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

3. Automatic Expiration of Permits for New or Increased Discharges

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

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

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

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

(i) Any placement, assembly, or installation of facilities or equipment; or

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

(2) Entered into a binding contractual obligation for the purpose of placement, assembly, or installation of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under the paragraph. The entering into a lease with the State of

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

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

4. Transfer of Permit

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

5. Groundwater

Unless authorized on page 1 of this Permit, this Permit does not authorize any discharge to groundwater. Should a threat of groundwater contamination occur, the Director may require groundwater monitoring to properly assess the degree of the problem, and the Director may require that the Permittee undertake measures to abate any such discharge and/or contamination.

6. Property and Other Rights

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

D. RESPONSIBILITIES

1. Duty to Comply

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

b. The Permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the FWPCA for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if this Permit has not yet been modified to incorporate the effluent standard, prohibition or requirement.

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

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

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

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

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

2. Change in Discharge

a. The Permittee shall apply for a permit modification at least 180 days in advance of any facility expansion, production increase, process change, or other action that could result in the discharge of additional pollutants, increase the quantity of a discharged pollutant, or that could result in an additional discharge point. This requirement also applies to pollutants that are not subject to discharge limitations in this Permit. No new or increased discharge may begin until the Director has authorized it by issuance of a permit modification or a reissued permit.

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

3. Compliance with Toxic or Other Pollutant Effluent Standard or Prohibition

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

4. Compliance with Water Quality Standards and Other Provisions

a. On the basis of the Permittee's application, plans, or other available information, the Department has determined that compliance with the terms and conditions of this Permit will assure compliance with applicable water quality standards. However, this Permit does not relieve the Permittee from compliance with applicable State water quality standards established in ADEM Admin. Code ch. 335-6-10, and does not preclude the Department from taking action as appropriate to address the potential for contravention of applicable State water quality standards which could result from discharges of pollutants from the permitted facility.

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

c. If the Department determines, on the basis of a notice provided pursuant to Part II.C.2. of this Permit or any investigation, inspection, or sampling, that a modification of this Permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPCA or FWPCA, the Department may require such modification and, in cases of emergency, the Director may prohibit the noticed act until the Permit has been modified.

5. Compliance with Statutes and Rules

a. This Permit has been issued under ADEM Admin. Code div. 335-6. All provisions of this division, that are applicable to this Permit, are hereby made a part of this Permit. A copy of this division may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Blvd., Montgomery, AL 36110-2059.

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

6. Right of Entry and Inspection

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

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

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

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

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

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

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

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

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

PART III ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. CIVIL AND CRIMINAL LIABILITY

1. Tampering

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

2. False Statements

Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this Permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished as provided by applicable State and Federal law.

3. Permit Enforcement

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

4. Relief From Liability

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

B. OIL AND HAZARDOUS SUBSTANCE LIABILITY

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

C. AVAILABILITY OF REPORTS

Except for data determined to be confidential under Code of Alabama 1975, §22-22-9(c), all reports prepared in accordance with the terms of this Permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential. Knowingly making any false statement in any such report may result in the imposition of criminal penalties as provided for in Section 309 of the FWPCA, 33 U.S.C. §1319, and Code of Alabama 1975, §22-22-14.

D. DEFINITIONS

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

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

3. Average monthly discharge limitation - means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar

month divided by the number of "daily discharges" measured during that month (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

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

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

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

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

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

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

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

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

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

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

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

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

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

17. DO - means dissolved oxygen.

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

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

    a. The mixing of at least 5 equal volume samples collected at constant time intervals of not more than 2 hours over a period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.

    b. A sample continuously collected at a constant rate over period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.

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

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

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

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

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

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

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

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

28. MGD - means million gallons per day.

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

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

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

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

    c. Which has never received a final effective NPDES Permit for dischargers at that site.

31. New Source - means:

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

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

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

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

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

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

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

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

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

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

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

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

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

41. Privately Owned Treatment Works - means any devices or system which is used to treat wastes from any facility whose operator is not the operator of the treatment works, and which is not a "POTW".

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

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

44. Severe property damage - means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

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

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

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

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

48. TRC - means Total Residual Chlorine.

49. TSS – means the pollutant parameter Total Suspended Solids

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

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

    a. The mixing of at least 12 equal volume samples collected at constant time intervals of not more than 2 hours over a period of 24 hours;

    b. A sample collected over a consecutive 24-hour period using an automatic sampler composite to one sample. As a minimum, samples shall be collected hourly and each shall be no more than one twenty-fourth (1/24) of the total sample volume collected; or

    c. A sample collected over a consecutive 24-hour period using an automatic composite sampler composited proportional to flow.

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

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

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

55. Waters - means "[a]ll waters of any river, stream, watercourse, pond, lake, coastal, ground or surface water, wholly or partially within the State, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership, or corporation unless such waters are used in interstate commerce." Code of Alabama 1975, §22-22-1(b)(2). "Waters" include all "navigable waters" as defined in §502(7) of the FWPCA, 33 U.S.C. §1362(7), which are within the State of Alabama.

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

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

Sunday is in one month and the Saturday in the following month), the weekly average calculated for the calendar week shall be included in the data for the month that contains the Saturday.

E. SEVERABILITY

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

F. PROHIBITIONS AND ACTIVIES NOT AUTHORIZED

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

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

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

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

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

G. DISCHARGES TO IMPAIRED WATERS

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

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

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

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

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER DIVISION

NPDES INDIVIDUAL PERMIT RATIONALE

Company Name:	Roll Rock Quarries LLC
Facility Name:	Falkville Quarry
County:	Morgan
Permit Number:	AL0067709
Prepared by:	Robert Glover
Date:	October 15, 2026
Receiving Waters:	Unnamed Tributary to Cedar Creek / Groundwater Unnamed Tributary to Painter Branch / Groundwater Painter Branch / Groundwater
Permit Coverage:	Limestone Quarry, Wet and Dry Preparation, Transportation and Storage, and Associated Areas
SIC Code:	1422

The Department has made a tentative determination that the available information is adequate to support a major modification of this permit. The modification of this permit addresses increasing the permit acreage from 11 acres to 143 acres, and adding five (5) proposed new basins/outfalls. Also, a permittee name change from "August Holdings, LLC" to "Roll Rock Quarries, LLC".

This proposed permit covers a wet and dry limestone quarry, transportation and storage, and associated areas which discharge to surface waters of the state.

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

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

Technology Based Effluent Limits (TBELs) for crushed stone mining facilities can be found in 40 CFR 436.22(a)(1) and (2) for facilities that recycle waste water for use in processing and mine dewatering, respectively. The TBELs were promulgated for existing dischargers using the Best Practicable Control Technology Available (BPT). New Source Performance Standards (NSPS) have not yet been developed by the EPA for the Crushed Stone Subcategory.

The instream WQS for pH, for streams classified as Fish & Wildlife, are 6.0 - 8.5 s.u per ADEM Admin Code r. 335-6-10-.09. Information provided in the Permittee's application indicated that Outfalls 001-1 – 006-1 could discharge chronically when the discharge/stream flow ratio may be high; therefore, discharge limitations for pH of 6.0 – 8.5 s.u. are proposed for Outfalls 001 -1 – 006-1 per ADEM Admin Code r. 335-6-10-.09.

The TBELs for 40 CFR 436 Subpart B do not include limitations for Total Suspended Solids (TSS). TSS is classified as a conventional pollutant in 40 CFR 401.16 and is expected to be discharged from this type of facility. Therefore, monthly average and daily maximum effluent limitations for TSS are those proposed by the EPA for crushed stone mine drainage in the *Development Document for Effluent Limitations Guidelines and New Source Performance Standards for the Mineral Mining and Processing Pont Source Category* (July 1979).

The applicant has requested, in accordance with 40 CFR Part 122.21 and their NPDES permit application, a waiver from testing for the Part A, B, and C pollutants listed in the EPA Form 2C and 2D that are not addressed in their application. They have also certified that due to the processes involved in their mining activity these pollutants are believed to be not present in the waste stream.

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

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

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

Pursuant to ADEM Admin. Code r. 335-6-6-.12(r) this permit requires the Permittee to design and implement a Spill Prevention Control and Countermeasures (SPCC) plan for all stored chemicals, fuels and/or stored pollutants that have the potential to discharge to a water of the State. This plan must meet the minimum engineering requirements as defined in 40 CFR Part 112 and must provide for secondary containment adequate to control a potential spill.

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

The applicant is not proposing discharges of pollutants to a water of the State with an approved Total Maximum Daily Load (TMDL). However, the receiving streams flow into Cedar Creek, a watershed with an approved Total Maximum Daily Loads (TMDLs) for Organic Enrichment / Dissolved Oxygen (OE/DO),

Nutrients, and Pathogens. These are not pollutants expected in significant quantities from a discharge of this type, and therefore not proposed to be limited by this permit.

If the requirements of the proposed permit and pollution abatement plan are fully implemented, there is reasonable assurance that the facility will not discharge pollutants at levels that will cause or contribute to any further impairment of Cedar Creek.

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

The proposed permit action authorizes new discharges of pollutants to receiving waters determined by the Department to be waters where the quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water (Tier II). Pursuant to ADEM Admin. Code r. 335-6-10 (Antidegradation Policy and Implementation of the Antidegradation Policy), the applicant has submitted and the Department has reviewed and considered information regarding (1) demonstration of necessity/importance, (2) alternatives analysis, and (3) calculations of total annualized costs for technically feasible treatment alternatives regarding the proposed new discharges to Tier II waters. The Department has determined, based on the applicant's demonstration, that the proposed new discharges to the Tier II waters are necessary for important economic or social development in the area in which the waters are located.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER DIVISION

ANTIDEGRADATION RATIONALE

Company Name:	Roll Rock Quarries LLC
Facility Name:	Falkville Quarry
County:	Morgan
Permit Number:	AL0067709
Prepared by:	Robert Glover
Date:	October 15, 2026
Receiving Waters:	Unnamed Tributary to Cedar Creek / Groundwater Unnamed Tributary to Painter Branch / Groundwater Painter Branch / Groundwater
Stream Category:	Tier II as defined by ADEM Admin. Code 335-6-10-.12
Discharge Description:	This proposed permit covers a wet and dry limestone quarry, transportation and storage, and associated areas which discharge to surface waters.

The following preliminary determination was prepared in accordance with ADEM Admin. Code 335-6-10-.12 (7) (c):

The Department has reviewed the information submitted by applicant in accordance with ADEM Admin. Code 335-6-10-.12(9). The applicant has demonstrated that there are no technically or economically viable treatment options in its alternatives analysis that would completely eliminate a direct discharge.

The permit applicant has indicated that the following economic and social benefits will result from this project:

1. The Permittee submits that the proposed discharger will provide approximately five (5) full-time employees at the facility. Additional jobs will be created as the result of supplying services to this facility and hauling of the limestone product from this site.
2. The Permittee submits that the proposed discharger will be paying an estimated Corporate and State Income Tax between $10,000 - $15,000. Local/County Sales Tax from between $5,000 - $10,000. Property Tax of roughly $1,555 yearly.
3. The Permittee submits that the materials mined from this quarry and processed at this facility will be used primarily in the production of crushed aggregate for paving, asphalt & concrete, which will be used in public works projects such as roads.

The Department has determined that the discharge proposed by the permit applicant is necessary for important economic and social development in the area of the outfall location in the receiving water.

Reviewed By: William McClimans

Date: October 15, 2026

Digitally signed by:
AEPACS
Date: 2026.03.31 16:04:04 -05:00
Reason: Submission Data
Location: State of Alabama

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

version 4.9

(Submission #: HQH-XKZZ-N0VH2, version 1)

Details

Submission ID HQH-XKZZ-N0VH2

Form Input

General Instructions

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

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

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

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

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

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

Processing Information

Purpose of Application
Major Modification

Please indicate if the Permittee is applying for a permit transfer and/or name change in addition to permit modification or reissuance:
Permittee or Facility Name Change

Action Type
Major Modification with NOC

Brief description of the action/change that has resulted in the request for this permit modification:
Permittee Name Change Only from "August Holdings, LLC" to "Roll Rock Quarries LLC". Increasing the permit acreage from 11 acres to 143 acres, and adding five (5) proposed new basins/outfalls.

Is this a coalbed methane operation?
No

Permit Information

Permit Number
AL0067709

Current Permittee Name
August Holdings, LLC

Permittee

Permittee Name
Roll Rock Quarries LLC

Mailing Address

2912 Tooles Bend Road

Knoxville, TN 37922

Responsible Official

Prefix
Mr.

First Name	Last Name
August	Eltz III

Title
Managing Member

Organization Name
Roll Rock Quarries LLC

Phone Type	Number	Extension
Business	214-578-3626	

Email
August@HeubachCorp.com

Mailing Address

2912 Tooles Bend Road

Knoxville, TN 37922

Existing Permit Contacts

Affiliation Type	Contact Information	Remove?
Facility Contact,Responsible Official,Notification Recipient	August Eltz III, August Holdings, LLC	Remove
Permittee,Notification Recipient,Applicant	August Holdings, LLC	Remove
Professional Engineer	Zachary Wilbanks, Wilbanks Engineering & Environmental Solutions, LLC	Remove

Facility/Operations Information

Facility/Operations Name
Falkville Quarry

Permittee Organization Type
LLC

Parent Corporation and Subsidiary Corporations of Applicant, if any:
N/A

Landowner(s) Name, Address and Phone Number:
Landowner: August Eltz III
Address: 2912 Tooles Bend Road, Knoxville, TN 37922
Phone Number: 214-578-3626

Sub-contractor(s)/Operator(s), if known:
N/A

Is the "Company/Permittee" properly registered and in good standing with the Alabama Secretary of State's office?
Yes

Facility/Operations Address or Location Description

320 Akins Mountain Road
Falkville, AL 35622

Facility/Operations County (Front Gate)
Morgan

Do the operations span multiple counties?
No

Detailed Directions to the Facility/Operations
From I-65 (exit 322) southeast of Falkville, AL, travel east on Highway 55 approximately 0.5 miles to the intersection of Highway 55 and Mount Zion Road. Turn north onto Mount Zion Road and travel approximately 1.9 mile to the intersection with Nat Key Road. Turn west and travel approximately 0.9 miles to the site entrance on the left.

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

Facility/Operations Front Gate Latitude and Longitude
34.389951,-86.887886

Akins Mountain Road, Falkville, AL

Township(s), Range(s), Section(s) (Note: If you are submitting multiple TRSs, please separate each TRS by a semicolon. Example: T19S,R1E,S15; T20S,R2E,S16)
T7S,R3W,S31 & T8S,R3W,S6

SIC Code(s) [Please select your primary SIC code first]:
1422-Crushed and Broken Limestone

NAICS Code(s) [Please select your primary NAICS code first]:
212312-Crushed and Broken Limestone Mining and Quarrying

Facility/Operations Contact

Prefix
Mr.

First Name	Last Name
August	Eltz III

Title
Managing Member

Organization Name
Roll Rock Quarries LLC

Phone Type	Number	Extension
Business	214-578-3626	

Email
August@HeubachCorp.com

Member Information

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

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

Name	Title/Position	Physical Address of Residence
August Eltz III	Managing Member	2912 Tooles Bend Road, Knoxville, TN 37922

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

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

Name of Corporation, Partnership, Association, or Single Proprietorship	Name of Individual	Title/Position in Corporation, Partnership, Association, or Single Proprietorship
Travis Creek Energy, LLC	August Eltz III	Member / Owner

Additional Contacts (1 of 3)

ADDITIONAL CONTACTS: Consultant

Contact Type
Consultant

Contact

First Name **Last Name**
Bradley Youngblood

Title
Engineering Manager

Organization Name
Simmons-Johnsey Engineering, LLC

Phone Type **Number** **Extension**
Mobile 205-529-1314

Email
BradY@SimmonsJohnsey.com

Address
407 9th Ave
Jasper, AL 35501

Additional Contacts (2 of 3)

ADDITIONAL CONTACTS: Consultant

Contact Type
Consultant

Contact

First Name Jared
Last Name Johnsey

Title
Managing Member

Organization Name
Simmons-Johnsey Engineering, LLC

Phone Type	Number	Extension
Mobile	205-522-2057	

Email
Jared@SimmonsJohnsey.com

Address
407 9th Ave
Jasper, AL 35501

Additional Contacts (3 of 3)

ADDITIONAL CONTACTS: Consultant

Contact Type
Consultant

Contact

First Name Bradley
Last Name Simmons

Title
Managing Member

Organization Name
Simmons-Johnsey Engineering, LLC

Phone Type	Number	Extension
Mobile	205-275-0689	

Email
Brad@SimmonsJohnsey.com

Address
407 9th Ave
Jasper, AL 35501

Compliance History

Has the applicant ever had any of the following:

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

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

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

For other facilities, list any other NPDES or other ADEM permits (including permit numbers), authorizations, or certifications that have been applied for or issued within the State by ADEM, EPA, ASMC, ADOL, or USACE, to the applicant, parent corporation, subsidiary, or LLC member whether presently effective, expired, suspended, revoked, or terminated:
ADEM Permit No. AL0080179 & ASMC Permit No. P-3961

Anti-Degradation Evaluation

Pursuant to ADEM Admin. Code ch. 335-6-10-.12(9), responses to the following questions must be provided by the applicant requesting NPDES permit coverage for new or expanded discharges of pollutant(s) to Tier 2 waters (except discharges eligible for coverage under general permits). As part of the permit application review process, the Department is required to consider, based on the applicant's demonstration, whether the proposed new or increased discharge to Tier 2 waters is necessary for important economic or social development in the area in which the waters are located. Does this modification/reissuance include new or expanded discharges to Tier II water(s)?
Yes

NOTE

If the discharge is to a Tier II waterbody as defined in ADEM Admin. Code r. 335-6-10-.12(4), complete questions below, ADEM Form 311-Alternatives Analysis, and either ADEM Form 312 or ADEM Form 313- Calculation of Total Annualized Project Costs (Public-Sector or Private-Sector Projects, whichever is applicable). ADEM Form 312 or ADEM Form 313, whichever is applicable, must be provided for each treatment discharge alternative considered technically viable.
ADEM forms can be found on the Department's website here.

What environmental or public health problem will the discharger be correcting?
None

How much will the discharger be increasing employment (at its existing facility or as the result of locating a new facility)?
The operation of the quarry site will provide approximately five (5) full time employees at this facility. Additional jobs will be created as the result of supplying services to this facility and hauling of the limestone product from this site.

How much reduction in employment will the discharger be avoiding?
Approximately five (5) full time employees.

How much additional state or local taxes will the discharger be paying?
The amount of state and local taxes paid is dependent on several variables including production, present economic circumstances, present limestone contracts and the present price of the limestone. Therefore, the following is an estimate of the annual state and local taxes that will be paid by Roll Rock Quarries LLC.

Corporate income tax rate - 6.5%, State of Alabama income tax rate - 5.0%, Taxes withheld and paid on employees - anticipated between $10,000 - $15,000, Local/County sales tax rate - 5.0%, Sales/Use Tax on equipment, fuel, supplies, etc. - anticipated between $5,000 - $10,000, Permit fees, licenses & misc. - $10,000. The yearly property taxes at this site are roughly $1,555.

What public service to the community will the discharger be providing?
The materials mined from this quarry & processed at this facility will be used primarily in the production of crushed aggregate for paving, asphalt & concrete. Many of these materials are used in public works projects such as roads. Locally supplied materials reduce the manufacturing cost of these particular types of products & consequently reduce the overall cost of the public works projects & as a result saves taxpayers money. Furthermore, the permittee will not only maintain its current work force, but will also create additional jobs in the associated support industries, which include transportation companies, fuel/oil suppliers, & industrial material suppliers, that will all benefit from the issuance of this permit. Additional jobs will be required in the above support industries to service the needs of this limestone quarry. Furthermore, the state & local communities will also benefit through the increase in the tax revenues collected from the sale of the limestone reserves.

What economic or social benefit will the discharger be providing to the community?
The applicant will provide a variety of jobs to the local community by hiring employees from the surrounding community to operate this quarry site. These jobs will range from laborers to professionals. This would benefit the employment rate of Morgan County, and the increased employment will increase the social and economic structure of the immediate community. In addition, this facility will be paying taxes to the local community, state, and federal government. Also, it will provide other industries the necessary limestone product to produce materials that are necessary for maintaining the local communities and state infrastructure. In addition, a portion of this money is used on the local school system.

Attach Form 311 (Alternative Analysis)
Roll Rock Quarries LLC - Falkville Quarry - ADEM Form 311.pdf - 03/23/2026 02:53 PM
Comment
NONE PROVIDED

Please attach Form 312 (Public Sector Projects) or Form 313 (Private Sector Projects).
Roll Rock Quarries LLC - Falkville Quarry - ADEM Form 313.pdf - 03/23/2026 03:07 PM
Comment
NONE PROVIDED

Activity Description & Information

Narrative description of activity(s):
Quarry mining of limestone rock.

Total Facility/Operations Area (acres)
114.00

Total Disturbed Area (acres)
114.00

Anticipated Commencement Date
05/01/2026

Anticipated Completion Date
05/01/2031

Please identify which of the following apply to this operation:

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

Does your facility/operation use cooling water?
No

Material to be Removed, Processed, or Transloaded

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

Mineral(s)/Mineral product(s)	%
Limestone, crushed limestone and dolomite	100
	Sum: 100

Proposed Activity To Be Conducted

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

Activity	Apply?
Adjacent/associated asphalt/concrete plant(s)	No
Alternative fuels operation	No
Auger mining	No
Cement production	No
Chemical processing or leaching	No
Chemicals used in process or wastewater treatment (coagulant, biocide, etc.)	No
Construction related temporary borrow pits/areas	Yes
Creek/stream crossings	No
Dredging	No
Excavation	Yes
Grading, clearing, grubbing, etc.	Yes
Hydraulic mining	No
Hydraulic mining, dredging, instream or between stream-bank mining	No
Lime production	No
Low volume sewage treatment package plant	No
Mineral dry processing (crushing & screening)	Yes
Mineral loading	Yes
Mineral storing	Yes
Mineral transportation	Yes
Mineral wet preparation	Yes
Onsite construction debris or equipment storage/disposal	No
Onsite mining debris or equipment storage/disposal	Yes
Other beneficiation & manufacturing operations	No
Pre-construction ponded water removal	No
Pre-mining logging or land clearing	Yes
Preparation plant waste recovery	No
Quarrying	Yes
Reclamation of disturbed areas	Yes
Solution mining	No
Surface mining	Yes
Synthetic fuel production	No
Underground mining	No
Waterbody relocation or other alteration	No
Within-bank mining	No

If the operation will include activities other than those listed above, please describe them below:
N/A

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

Barge	Apply?
Barge	No
Rail	No
Truck	Yes

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

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

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

Volume (gallons)	Contents
10,000.0	Diesel Fuel
550.0	Hydraulic Oil
550.0	Used Waste Oil
550.0	Motor Oil
550.0	Transmission Fluid

SPCC Plan

Roll Rock Quarries LLC - Falkville Quarry - SPCC Plan - 03-24-2026.pdf - 03/24/2026 11:00 AM
Comment
NONE PROVIDED

ASMC Regulated Entities

Is this a coal mining operation regulated by ASMC?
No

Topographic Map Submittal

Topographic Map

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

Topographic Map

Roll Rock Quarries LLC - Falkville Quarry - Topographic Map - 2000 Scale - 03-25-2026.pdf - 03/25/2026 10:16 AM
Comment
NONE PROVIDED

Detailed Facility Map Submittal

Detailed Facility Map

Roll Rock Quarries LLC - Falkville Quarry - Detailed Facility Map - 500 Scale - 03-25-2026.pdf - 03/25/2026 10:16 AM
Comment
NONE PROVIDED

Outfalls (1 of 6)

Outfall Identifier: 001

Feature Type
Outfall (External)

Outfall Identifier
001

Outfall Status
Existing

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

Permit Action
Reissue

Receiving Water
Cedar Creek

Check below if the discharge enters the receiving water via an unnamed tributary.
Unnamed Tributary

Location of Outfall
34.38972200000000, -86.88777800000000

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

Distance to Receiving Water (ft)
1.200

Disturbed Area (acres)
24.0

Drainage Area (acres)
24.0

303(d) Segment?
No

TMDL Segment?
No

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

Outfalls (2 of 6)

Outfall Identifier: 002

Feature Type
Outfall (External)

Outfall Identifier
002

Outfall Status
Proposed

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

Permit Action
Add

Receiving Water
Cedar Creek

Check below if the discharge enters the receiving water via an unnamed tributary.
Unnamed Tributary

Location of Outfall
34.386647,-86.893748

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

Distance to Receiving Water (ft)
2.600

Disturbed Area (acres)
21.0

Drainage Area (acres)
21.0

303(d) Segment?
No

TMDL Segment?
No

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

Outfalls (3 of 6)

Outfall Identifier: 003

Feature Type
Outfall (External)

Outfall Identifier
003

Outfall Status
Proposed

> Please be aware that you should only mark an outfall status as existing if (1) the Department has been previously notified that it

was constructed as proposed or (2) it began discharge prior to this application. A proposed outfall is one that is being newly added to the permit OR one that has never discharged or has never been authorized by the Department to discharge. Should you have any questions about which status to select, please contact the Department's permit engineer for this site.

Permit Action
Add

Receiving Water
Painter Branch

Check below if the discharge enters the receiving water via an unnamed tributary.
Unnamed Tributary

Location of Outfall
34.383087,-86.893031

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

Distance to Receiving Water (ft)
800.0

Disturbed Area (acres)
19.0

Drainage Area (acres)
19.0

303(d) Segment?
No

TMDL Segment?
No

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

Outfalls (4 of 6)

Outfall Identifier: 004

Feature Type
Outfall (External)

Outfall Identifier
004

Outfall Status
Proposed

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

Permit Action
Add

Receiving Water
Painter Branch

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

Location of Outfall
34.379082,-86.887501

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

Distance to Receiving Water (ft)
2.800

Disturbed Area (acres)
36.0

Drainage Area (acres)
36.0

303(d) Segment?
No

TMDL Segment?
No

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

Outfalls (5 of 6)

Outfall Identifier: 005

Feature Type
Outfall (External)

Outfall Identifier
005

Outfall Status
Proposed

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

Permit Action
Add

Receiving Water
Cedar Creek

Check below if the discharge enters the receiving water via an unnamed tributary.
Unnamed Tributary

Location of Outfall
34.382615,-86.885672

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

Distance to Receiving Water (ft)
2.300

Disturbed Area (acres)
24.0

Drainage Area (acres)
24.0

303(d) Segment?
No

TMDL Segment?
No

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

Outfalls (6 of 6)

Outfall Identifier: 006

Feature Type
Outfall (External)

Outfall Identifier
006

Outfall Status
Proposed

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

Permit Action
Add

Receiving Water
Cedar Creek

Check below if the discharge enters the receiving water via an unnamed tributary.
Unnamed Tributary

Location of Outfall
34.388397,-86.885978

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

Distance to Receiving Water (ft)
1.600

Disturbed Area (acres)
19.0

Drainage Area (acres)
19.0

303(d) Segment?
No

TMDL Segment?
No

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

Discharge Characterization

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

Please attach EPA Form 2C, EPA Form 2D, and/or ADEM Form 567.
Roll Rock Quarries LLC - Falkville Quarry - EPA Form-2D - 03-25-2026.pdf - 03/25/2026 02:29 PM
Comment
NONE PROVIDED

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

Required attachment:
Roll Rock Quarries LLC - Falkville Quarry - ADEM Form 315 - Table B - 03-25-2026.pdf - 03/25/2026 03:38 PM
Comment
NONE PROVIDED

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

Required attachment:
Roll Rock Quarries LLC - Falkville Quarry - ADEM Form 315 - Table C - 03-25-2026.pdf - 03/25/2026 04:04 PM
Comment
NONE PROVIDED

Discharge Structure Description & Pollutant Source

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

Required attachment:
Roll Rock Quarries LLC - Falkville Quarry - ADEM Form 315 - Discharge Structure - 03-25-2026.pdf - 03/27/2026 12:29 PM
Comment
NONE PROVIDED

Variance Request

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

Pollution Abatement & Prevention (PAP) Plan Summary (1 of 2)

Outfall(s):
001E

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

Identify and provide detailed explanation for any "N" or "N/A" response(s):
1) The initial Sedimentation Basin 001E design plans will be modified and submitted to ADEM for approval prior to the disturbance of more than 11 acres as is covered under the current ADEM approved and P.E. certified Sediment Basin 001E design plans. The modification of the design plans for Sediment Basin 001E will provide at least 0.25 acre/feet of volume for every acre of disturbed drainage.
2) Ant-seep collars are not necessary.
3) There are no ponds in series.
4) There are no proposed stream crossings.

Pollution Abatement & Prevention (PAP) Plan Summary (2 of 2)

Outfall(s):
002P-006P

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

Outfall Questions:	Please select one:
Long-Term Stabilization/Grading And Permanent Reclamation or Water Quality Remediation Plans	N/A

Identify and provide detailed explanation for any "N" or "N/A" response(s):
Sediment Basins 002P-006P have not been designed and/or constructed. The detailed design plans for these basins will be designed in accordance with ADEM regulations, submitted to ADEM for approval, and constructed/P.E. certified prior to any disturbance occurring within their respective drainage areas.

Pollution Abatement & Prevention (PAP) Plan Review Checklist

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

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

Detailed Design Diagrams:	Please select one:
Plan Views	Yes
Cross-section Views	Yes
Method of Diverting Runoff to Treatment Basins	Yes
Line Drawing of Water Flow through Facility with Water Balance or Pictorial Description of Water Flow	Yes

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

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

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

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

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

Other:	Please select one:
Precipitation/Volume Calculations/Diagram Attached	Yes
BMP Plan for Haul Roads	Yes
Measures for Minimizing Impacts to Adjacent Stream (e.g., Buffer Strips, Berms)	N/A
Measures for Ensuring Appropriate Setbacks are Maintained at All Times	Yes
Methods for Minimizing Nonpoint Source Discharges	Yes
If Chemical Treatment Used, Methods for Ensuring Appropriate Dosage	N/A
Facility Closure Plans	Yes
PE Rationale(s) For Alternate Standards, Designs or Plans	No

Identify and provide detailed explanation for any ﷿N﷿ or ﷿N/A﷿ response(s):
1) The project site is not in close proximity to any streams.
2) No chemical treatment is proposed for use at this facility.
3) No request for alternate standards, designs, or plans are proposed.

Pollution Abatement & Prevention (PAP) Plan

Is this a coal mining operation regulated by ASMC?
No

PAP Plan (non-coal mining facilities)
Roll Rock Quarries LLC - Falkville Quarry - ADEM PAP Plan - 03-31-2026.pdf - 03/30/2026 10:28 AM
Comment
NONE PROVIDED

Professional Engineer (PE)

Registration License Number
35679

Professional Engineer

Prefix
Mr.

First Name **Last Name**
Bradley Youngblood

Title
Engineering Manager

Organization Name
Simmons-Johnsey Engineering, LLC

Phone Type **Number** **Extension**
Mobile 205-529-1314

Email
BradY@SimmonsJohnsey.com

Address
407 9th Ave
Jasper, AL 35501

Information for the Applicant

Please read the following information and acknowledge below:

Contact the Department prior to submittal with any questions or to request acceptable alternate content/format.

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

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

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

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

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

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

Additional Attachments

Additional Attachments

NONE PROVIDED

Comment

NONE PROVIDED

Application Preparer

Application Preparer

Prefix
Mr.

First Name	Last Name
Bradley	Youngblood

Title
Engineering Manager

Organization Name
Simmons-Johnsey Engineering, LLC

Phone Type	Number	Extension
Mobile	205-529-1314	

Email
BradY@SimmonsJohnsey.com

Address

407 9th Ave

Jasper, AL 35501

Fees Assessed

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

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

Wet Preparation, Processing, Beneficiation:
6860

Fee

Fee
6860

Agreements and Signature(s)

SUBMISSION AGREEMENTS

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

Professional Engineer (PE)

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

Signed By Bradley Youngblood on 03/30/2026 at 10:57 AM

Responsible Official

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

Signed By August Eltz on 03/31/2026 at 3:54 PM

Attachment 1 to Supplementary Form
ADEM Form 311

Alternatives Analysis

Applicant/Project: Roll Rock Quarries LLC / Falkville Quarry

All new or expanded discharges (except discharges eligible for coverage under general permits) covered by the NPDES permitting program are subject to the provisions of ADEM's antidegradation policy. Applicants for such discharges to Tier 2 waters are required to demonstrate " . . . that the proposed discharge is necessary for important economic or social development." As a part of this demonstration, the applicant must complete an evaluation of the discharge alternatives listed below, including a calculation of the total annualized project costs for each technically feasible alternative (using ADEM Form 312 for public-sector projects and ADEM Form 313 for private-sector projects). Alternatives with total annualized project costs that are less than 110% of the total annualized project costs for the Tier 2 discharge proposal are considered viable alternatives.

Alternative	Viable	Non-Viable	Comment
1 Land Application		X	Technically not feasible. Insufficient land area. Water quantity to great.
2 Pretreatment/Discharge to POTW		X	Technically not feasible. Water quantity to great.
3 Relocation of Discharge		X	Topography does not support/allow this alternative. No feasible alternate location identified.
4 Reuse/Recycle	X		Will recycle/reuse whenever possible.
5 Process/Treatment Alternatives		X	Settling, oxidation, surface discharge best treatment alternative.
6 On-site/Sub-surface Disposal		X	Topography & geology does not support this method.
(other project-specific alternatives			
considered by the applicant; attach			
additional sheets if necessary)			
7			
8			
9			

Pursuant to ADEM Administrative Code Rule 335-6-3-.04, I certify on behalf of the applicant that I have completed an evaluation of the discharge alternatives identified above, and reached the conclusions indicated.

Signature: Bradley Youngblood
(Professional Engineer)

Date: 03/23/2026

(Supporting documentation to be attached, referenced, or otherwise handled as appropriate.)

Calculation of Total Annualized Project Costs for Private-Sector Projects

Capital Costs to be Financed (Supplied by applicant)	$ 150,000 (1)
Interest rate for Financing (Expressed as a decimal)	0.10 (i)
Time Period of Financing (Assume 10 years*)	10 years (n)
Annualization Factor = $\frac{i}{(1+i)^{10} - 1} + i$	0.16275 (2)
Annualized Capital Cost [Calculate: (1) x (2)]	$ 24,412.50 (3)
Annual Cost of Operation and Maintenance (including but not limited to monitoring, inspection, permitting fees, waste disposal charges, repair, administration and replacement)**	$ 112,500 (4)
Total Annual Cost of Pollution Control Project [(3) + (4)]	$ 136,912.50 (5)

* While actual payback schedules may differ across projects and companies, assume equal annual payments over a 10-year period for consistency in comparing projects.

** For recurring costs that occur less frequently than once a year, pro rate the cost over the relevant number of years (e.g., for pumps replaced once every three years, include one-third of the cost in each year).

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

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

Outfall	Discharge structure Description	Description of Origin of pollutants	Surface Discharge	Groundwater Discharge	Wet Prep -Other Production Plant	Pumped or Controlled Discharge	Low Volume STP
001E	Pipe and Spillway	(7), (8) & (9)	X	X	X	X	N/A
002P	Pipe and/or Channel	(7), (8) & (9)	X	X	X	X	N/A
003P	Pipe and/or Channel	(7), (8) & (9)	X	X	X	X	N/A
004P	Pipe and/or Channel	(7), (8) & (9)	X	X	X	X	N/A
005P	Pipe and/or Channel	(7), (8) & (9)	X	X	X	X	N/A
006P	Pipe and/or Channel	(7), (8) & (9)	X	X	X	X	N/A

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

Outfall E/P	Information Source - # of Samples	Flow (cfs)	Flow (gpd)	Frequency (hours/day)	Frequency (days/month)	Sum/Win Temp, (°C)	pH (s.u.)	BOD5 (lbs/day)	TSS (lbs/day)	Tot Fe (lbs/day)	Tot Mn (lbs/day)	Tot Al (lbs/day)
001E	B.P.E.	0.022	14K	Precipitation	Precipitation	26/7	7.00	N/A	2.33	0.035	0.012	N/A
002P	B.P.E.	0.019	12K	Precipitation	Precipitation	26/7	7.00	N/A	2.04	0.031	0.010	N/A
003P	B.P.E.	0.017	11K	Precipitation	Precipitation	26/7	7.00	N/A	1.85	0.028	0.009	N/A
004P	B.P.E.	0.032	21K	Precipitation	Precipitation	26/7	7.00	N/A	3.50	0.053	0.018	N/A
005P	B.P.E.	0.022	14K	Precipitation	Precipitation	26/7	7.00	N/A	2.33	0.035	0.012	N/A
006P	B.P.E.	0.017	11K	Precipitation	Precipitation	26/7	7.00	N/A	1.85	0.028	0.009	N/A

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

Outfall E/P	Reason Believed Present	Information Source - # of Samples								
			lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L
001E	None Believed To Be Present	See EPA Form 2 D								
002P	None Believed To Be Present	See EPA Form 2 D								
003P	None Believed To Be Present	See EPA Form 2 D								
004P	None Believed To Be Present	See EPA Form 2 D								
005P	None Believed To Be Present	See EPA Form 2 D								
006P	None Believed To Be Present	See EPA Form 2 D								

Print All Pages

Print Form Only

United States Environmental Protection Agency | Office of Water Washington, D.C. | OMB No. 2040-0004 Expires 07/31/2026

Water Permits Division

Application Form 2D

New Manufacturing, Commercial, Mining, and Silvicultural Operations That Have Not Yet Commenced Discharge of Process Wastewater

NPDES Permitting Program

Note: Complete this form ***and*** Form 1 if your facility is a new manufacturing, commercial, mining, or silvicultural facility that has yet to commence discharge of process wastewater.

Paperwork Reduction Act Notice

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory (40 CFR 122.21). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to be 2.7 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

General Instructions

Who Must Complete Form 2D?

You must complete Form 2D if you answered "Yes" to Item 1.2.3 on Form 1—that is, if you are a new manufacturing, commercial, mining, or silvicultural facility that has yet to commence discharge of process wastewater.

Where to File Your Completed Forms?

Submit your completed application package (Forms 1 and 2D) to your National Pollutant Discharge Elimination System (NPDES) permitting authority. Consult Exhibit 1–1 of Form 1's "General Instructions" to identify your NPDES permitting authority.

Public Availability of Submitted Information

The U.S. Environmental Protection Agency (EPA) will make information from NPDES permit application forms available to the public for inspection and copying upon request. You may not claim any information on Form 2D (or related attachments) as confidential.

You may make a claim of confidentiality for any information that you submit to EPA that goes beyond the information required by Form 2D. Note that NPDES permitting authorities will deny claims for treating any effluent data (estimated or actual) as confidential. If you do not assert a claim of confidentiality at the time you submit your information to the NPDES permitting authority, EPA may make the information available to the public without further notice to you. EPA will handle claims of confidentiality in accordance with its business confidentiality regulations at Part 2 of Title 40 of the *Code of Federal Regulations* (CFR).

Completion of Forms

Print or type in the specified areas only. If you do not have enough space on the form to answer a question, you may continue on additional sheets, as necessary, using a format consistent with the form.

Do not leave any response areas blank unless the form directs you to skip them. If the form directs you to respond to an item that does not apply to your facility or activity, enter "NA" for "not applicable" to show that you considered the item and determined a response was not necessary for your facility.

The NPDES permitting authority will consider your application complete when it and any supplementary material are received and completed according to the authority's satisfaction. The NPDES permitting authority will judge the completeness of any application independently of the status of any other permit application or permit for the same facility or activity.

Follow-up Requirements

Form 2D requires that you submit estimated data on your effluent. Note that no later than 24 months after you commence discharging from the proposed facility, you must complete and submit Section 7 of NPDES Application Form 2C; see requirements at 40 CFR 122.21(g)(7). However, you need not complete those portions of Section 7 that require tests you have already performed under the discharge monitoring requirements of your NPDES permit.

Definitions

The legal definitions of all key terms used in these instructions and Form 2D are in the "Glossary" at the end of the "General Instructions" in Form 1.

Line-by-Line Instructions

EPA Identification Number, Facility Name, and Outfall Number

Provide your EPA Identification Number from the Facility Registry Service and facility name at the top of each page of Form 2D and any attachments. If you do not know your EPA Identification Number, contact your NPDES permitting authority. See Exhibit 1–1 of Form 1's "General Instructions" for contact information. Additionally, for Tables A through E, provide the applicable outfall number at the top of each page.

Section 1. Expected Outfall Location

Item 1.1. Identify each of the facility's outfall structures by number. For each outfall, specify the latitude and longitude to the nearest 15 seconds or equivalent decimal degrees (e.g., 38.893829, -77.029289) and name of the receiving water. The application form provides reporting space for three outfalls. If your facility has more than this number, attach additional sheets as necessary. The location of each outfall (i.e., where the coordinates are collected) shall be the point where the discharge is released into a water of the United States. Latitude and longitude coordinates may be obtained in a variety of ways, including use of hand held devices (e.g., a GPS enabled smartphone), internet mapping tools (e.g., https://mynasadata.larc.nasa.gov/latitudelongitude-finder/), geographic information systems (e.g., ArcView), or paper maps from trusted sources (e.g., U.S. Geological Survey or USGS). For further guidance, refer to http://www.epa.gov/geospatial/latitudelongitude-data-standard.

Section 2. Expected Discharge Date

Item 2.1. Report the expected date the facility will commence discharging (month, day, and year).

Section 3. Average Flows and Treatment

Item 3.1. For each outfall, report the operations expected to contribute wastewater to the effluent and an estimated average flow from each. Briefly describe the planned wastewater treatment for each operation or list the applicable treatment code(s) from Exhibit 2D–1, located at the end of these instructions. Finally, for each operation, note the ultimate disposal of any solid or liquid wastes not expected to be discharged.

Section 4. Line Drawing

Item 4.1. Attach a line drawing showing the expected water flow through your facility, from intake to discharge. Indicate the sources of intake water (e.g., city, well, stream, other); all sources of wastewater contributing to the effluent, including process and production areas, sanitary flows, cooling water, and stormwater runoff; and labeled treatment units. You may group similar operations into a single unit.

Construct a water balance on the line drawing by showing average flows (specify units) between intakes, operations, treatment units, and outfalls. Show all significant losses of water to products, the atmosphere, and discharge. You should use your best estimate. If you cannot determine a water balance for your activities (such as mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection and treatment measures. An example of an acceptable line drawing is provided in Exhibit 2D–2 at the end of these instructions.

Section 5. Intermittent or Seasonal Flows

Item 5.1. Specify whether any of the expected discharges described in Sections 1 and 3 will be intermittent or seasonal. If yes, continue to Item 5.2. If no, skip to Section 6.

Item 5.2. List applicable outfalls that will have intermittent or seasonal flows. For each, indicate the operations that will contribute to the flow. For each operation, indicate the average days per week and average months per year the discharge will occur, the maximum daily flow rate, the maximum total volume, and the duration of the discharge in days. The estimated flow rate and volume should not include stormwater runoff, spillage, or leaks. A discharge is intermittent if it occurs with interruptions during the operating hours of the facility. Discharges caused by routine maintenance shutdowns, process changes, or other similar activities are not considered to be intermittent. A discharge is seasonal if it occurs only during certain parts of the year. The frequency is the average recurrence rate of the discharge (in days per week and months per year). The duration is the average value of the time duration during which the discharge occurs (in days).

The maximum daily flow rate is the highest daily value and should be reported in million gallons per day (mgd). Maximum total volume means the total volume of any one discharge within 24 hours and is measured in units such as gallons.

Section 6. Production

Item 6.1. Indicate whether any effluent limitation guidelines (ELGs) promulgated under Section 304 of the Clean Water Act (CWA) apply to your facility. All ELGs promulgated by EPA appear in the *Federal Register* and are published annually in 40 CFR Subchapter N. See also www.epa.gov/eg. An ELG applies if you have any operations contributing process wastewater in any subcategory covered by New Source Performance Standards (NSPS). If you are unsure whether you are covered by a promulgated ELG, consult your NPDES permitting authority (see Exhibit 1–1 of Form 1's "General Instructions"). You must check "Yes" if an applicable ELG has been promulgated, even if the ELG is being contested in court. If you believe that a promulgated ELG has been remanded for reconsideration by a court and does not apply to your operations, you may answer "No" to item 6.1 and skip to Section 7.

Item 6.2. Complete Item 6.2 by indicating the applicable ELG category, ELG subcategory, and corresponding regulatory citation. See the example below.

		ELG Category	ELG Subcategory	Regulatory Citation
Applicable ELGs	6.2	Pulp, Paper, and Paperboard Point Source Category	Secondary Fiber Non-Deink Subcategory	40 CFR 430, Subpart J

Item 6.3. Indicate whether the limitations in the applicable ELGs are expressed in terms of production (or other measure of operation). An ELG is expressed in terms of production (or another measure of operation) if the limitation is expressed as mass of pollutant per operational parameter (e.g., "pounds of biological oxygen demand per cubic foot of logs from which bark is removed" or "pounds of total suspended solids per megawatt hour of electrical energy consumed by smelting furnace"). An example of an ELG not expressed in terms of a measure of operation is one that limits the concentration of pollutants. If you answer "No" to this item, skip to Section 7.

Item 6.4. For each applicable outfall to which an applicable production-based ELG applies, list the estimated level of production (projection of actual production level, not design), for each of the first three years of operation. The estimated production level must be a long-term average estimate (e.g., average production on an annual basis). If production will vary depending on long-term shifts in operating schedule or capacity, you may report alternative production estimates, but you must provide the basis for such alternatives. If known, report quantities in units of measurements used in the applicable ELG. If an ELG specifies a method for estimating production, you must follow that method.

Section 7. Effluent Characteristics and Tables A through E

General Information. Section 7 requires you to report *estimated* flow data for the parameters and pollutants listed in Tables A through E, located at the end of Form 2D. You are *not* required to conduct actual sampling and analysis at this time. If, however, data from such analyses are available, you must report those data. Note that no later than 24 months after you begin discharging from the proposed facility, you must complete and submit quantitative data for the pollutants and parameters in Tables A through E. However, you need not report results for tests you have already performed and reported under the discharge monitoring requirements of your NPDES permit.

Complete a set of tables (Tables A through E) for each outfall at your facility. Be sure to note the EPA Identification Number, facility name, and outfall number at the top of each table page and any associated attachments.

Tables A through D require you to report estimated effluent data, with some exceptions, as discussed further below. Base your estimates on available in-house or contractor engineering reports or any other studies performed on the proposed facility. Table E requires you to report quantitative data for the pollutants listed, but only if it is already available.

Several tables require you to provide estimates for pollutants you believe will be present in your discharge or will be limited directly by an ELG or indirectly through promulgated limitations on an indicator pollutant. Base your determination of whether a pollutant will be present in your discharge on your knowledge of the proposed facility's raw materials, maintenance chemicals, intermediate and final products, byproducts, and any analyses of any pollutant (you are required to report it).

For those pollutants you believe will be present in the discharge, provide the maximum daily and average daily concentration *and* total mass and the source of the information. Use the following codes to report your source information:

Data Source	Code
Engineering report	1
Actual data from pilot plants	1
Estimates from other engineering reports	2
Data from other similar plants	3
Best professional estimates	4
Others	5 and specify on the table

You may report some or all of your estimates (or actual data when available) by attaching separate sheets of paper instead of completing Tables A through E for each of your outfalls, so long as the sheets contain all of the required information and are similar in format to Tables A through E.

Reporting of Intake Data

If you expect a pollutant to be present solely because of its presence in your intake water, you must mark "Yes" under the "Intake Water" column of Tables A through D. If you wish to obtain credits for pollutants or parameters present in your intake water, insert a separate sheet with a short statement of why you believe you are eligible (see 40 CFR 122.45(g)).

Reporting of Effluent Data

Report all estimated pollutant or parameter levels as concentration *and* as total mass, with the exception of discharge flow, temperature, and pH.

Use the following abbreviations in the columns requiring "units" in Tables A through E.

Concentration	Mass
ppm = parts per million	lbs. = pounds
mg/L = milligrams per liter	ton = tons (English tons)
ppb = parts per billion	mg = milligrams
µg/L = micrograms per liter	g = grams
MPN = most probable number per 100 milliliters	kg = kilograms T = tonnes (metric tons)

Conventional and Non-Conventional Parameters

Item 7.1 and Table A. All applicants are required to complete Table A for each outfall, including outfalls discharging only noncontact cooling water or nonprocess water *unless* a waiver has been received or requested from the NPDES permitting authority. For each parameter listed in Table A, indicate whether a waiver has been requested. If you have requested a waiver for *all* pollutants for a given outfall, check the box indicating this at the top of Table A.

To request a waiver, submit a written request to the NPDES permitting authority in advance or with the permit application. The written request should specify the parameters that should be waived and for what outfall(s) and why. The NPDES permitting authority may waive Table A requirements upon a determination that less stringent reporting requirements are adequate to support issuance of an NPDES permit. Attach a copy of any waiver approval notice(s) received, if applicable, to this application.

Answer Item 7.1 by indicating if you are requesting a waiver for any of your outfalls. If yes, continue to Item 7.2. Otherwise, complete Table A by estimating your maximum daily and average daily discharge. Provide the source(s) of your information. Also in Table A, indicate whether you believe each of the parameters will be present in the facility's intake water. See "Reporting of Intake Data" above for further information. Skip to Item 7.3.

Item 7.2. Indicate the outfalls for which you have requested a waiver or check the appropriate box to indicate that you are requesting a waiver for some or all pollutants at all outfalls.

Item 7.3. Indicate if you have provided estimates or actual data for all Table A parameters for each of your outfalls for which a waiver has not been requested and attach the results to your application package.

Certain Conventional and Non-Conventional Pollutants

Items 7.4, 7.5 and 7.6 and Table B. Complete one table for each outfall, including outfalls discharging only noncontact cooling water or nonprocess wastewater. Check the box at the top of Table B if you believe *all* pollutants listed will be absent in the discharge. If so, you do not need to complete Table B for the noted outfall. (You still need to complete Items 7.4 through 7.6.) Otherwise, for *each* pollutant listed in Table B, indicate whether you expect it will be present or absent in the discharge or whether the pollutant is limited directly by an ELG or indirectly through promulgated limitations or an indicator pollutant. (For example, total suspended solids is used as an indicator to control the discharge of iron and aluminum.) Next, provide an estimated maximum daily and average daily value, including the source of the information. If you have quantitative data available, report it. Also in Table B, indicate whether you believe the listed pollutants will be present in the facility's intake water. See "Reporting of Intake Data" above for further information. Answer "Yes" to Items 7.4 through 7.6 once you have completed the above tasks.

Toxic Metals, Total Cyanide, and Total Phenols

Items 7.7 and 7.8 and Table C. Complete one table for each outfall, including outfalls discharging only noncontact cooling water or nonprocess wastewater. Check the box at the top of Table C if you believe *all* pollutants listed will be absent in the discharge. If so, you do not need to complete Table C for the noted outfall (unless you have quantitative data available). You still need to respond to Items 7.7 and 7.8, however. Otherwise, indicate whether you believe each pollutant in Table C will be present or absent in your discharge for each applicable outfall. For those pollutants you believe will be present, provide an estimated maximum daily and average daily value and source of the information. (Provide quantitative data if you have them available.) Also, in Table C, indicate whether you believe the pollutant is or will be present in your facility's intake water. See "Reporting of Intake Data" above for more information. Answer "Yes" to Items 7.7 and 7.8 when you have completed the above tasks.

Organic Toxic Pollutants
(Gas Chromatography/Mass Spectrometry or GC/MS Fractions)

Item 7.9. Applicants are exempt from the reporting requirements associated with Table D if they expect to have gross sales of less than $100,000 per year for the next three years; also exempt are coal mines with expected average production of less than 100,000 tons of coal per year. If you believe you meet one of these criteria, answer "Yes" to Item 7.9, check the small business box at the top of Table D, and attach projected sales or production figures. Skip to Item 7.12.

The sales or production figures must be for the facility that will be the source of the discharge. The data should not be limited only to production or sales for the process or processes that will contribute to the discharge, unless those are the only processes at the facility.

For sales data, where intra-corporate transfers of goods and services will be involved, the transfer price per unit should approximate market process for those goods and services as closely as possible. If necessary, you may index your sales figures to the second quarter of 1980 to demonstrate your eligibility for a small business exemption. You may accomplish this by using the gross national product price deflator (second quarter of 1980 = 100). This index is available online from the U.S. Department of Commerce, Bureau of Economic Analysis, at https://apps.bea.gov/national/pdf/SNTables.pdf.

Items 7.10 and 7.11 and Table D. Complete one table for each outfall, including outfalls discharging only noncontact cooling water or nonprocess wastewater. Check the box at the top of Table D if you believe *all* pollutants listed will be absent in the discharge from the outfall. If so, you do not need to complete Table D for the noted outfall (unless you have quantitative data available). Otherwise, for *each* pollutant listed, indicate whether you believe it will be present or absent in the discharge. For those you believe will be present, provide an estimated maximum daily and average daily value and the source of the information. Also, in Table D, indicate whether you believe the pollutant is or will be present in your facility's intake water. See "Reporting of Intake Data" above for further information. Finally, answer "Yes" to Items 7.10 and 7.11 when you have completed the above tasks.

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

Item 7.12. Answer whether the facility uses or manufactures one or more of the 2,3,7,8-TCDD congeners listed below or if you know or have reason to believe that TCDD is or may be present in effluent from any of your outfalls:

- 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) (CAS # 93-765).
- 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5-TP) (CAS # 93-72-1).
- 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon) (CAS # 136-25-4).
- 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel) (CAS # 299-84-3).
- 2,4,5-trichlorophenol (TCP) (CAS # 95-95-4).
- Hexachlorophene (HCP) (CAS # 70-30-4).

Certain Hazardous Substances and Asbestos

Table E. Complete Table E for each outfall. Check the box at the top of Table E if you believe *all* pollutants listed will be absent in the discharge. Otherwise, for *each* pollutant listed in Table E, indicate whether you believe it will be present or absent in the discharge. If you have quantitative estimates available for any of the pollutants listed, provide the maximum daily and average daily average value and the source of the information. Also, in Table E, if you believe the pollutant is or will be present in your facility's intake water, state so in the "Reason Pollutant Believed Present in Discharge" column.

Item 7.13. Indicate whether, for each of your outfalls, you have indicated whether you know or have reason to believe that any pollutants listed in Table E are discharged.

Item 7.14. Indicate whether, for each of your outfalls, you have completed and attached Table E to the application describing the reasons the applicable pollutants are expected to be discharged and providing quantitative data if available.

Under 40 CFR 117.12(a)(2), certain discharges of hazardous substances (listed in Exhibit 2D–3 at the end of these instructions) may be exempted from the requirements of Section 311 of the CWA, which establishes reporting requirements, civil penalties, and liability for cleanup costs for spills of oil and hazardous substances. A discharge of a particular substance can be exempted if the origin, source, and amount of the discharged substances are identified in the NPDES permit application or in the permit, if the permit contains a requirement for treatment of the discharge, and if the treatment is in place.

Exemptions are allowed from the requirements of CWA Section 311. Applications for exemptions must set forth the following information:

1. The substance and the amount of each substance that may be discharged.

2. The origin and source of the discharge of the substance.
3. The treatment to be provided for the discharge by:
   a. An onsite treatment system separate from any treatment system treating your normal discharge;
   b. A treatment system designed to treat your normal discharge and that is additionally capable of treating the amount of the substance identified under paragraph 1 above; or
   c. Any combination of the above.

See 40 CFR 117.12(a)(2) and (c) or contact your NPDES permitting authority for further information on exclusions from CWA Section 311.

Intake Credits

Item 7.15. Answer whether you are seeking to obtain credits for any of the pollutants or parameters listed in Section 7 (Tables A through E) in your intake water for any of the facility's outfalls.

Section 8. Engineering Report

Item 8.1. Indicate if any technical evaluations have been conducted of your wastewater treatment, including engineering reports or pilot plant studies. If yes, continue to Item 8.2. If no, skip to Item 8.3.

Item 8.2. Attach the technical evaluation(s) you considered when responding to Item 8.1 and any related documentation, then answer "Yes" to Item 8.2. The NPDES permit writer will use this information to determine appropriate treatment methods and associated permit conditions and limits.

Item 8.3. Answer "Yes" if you are aware of any existing plant(s) that resemble your production processes, wastewater constituents, or wastewater treatment. If you are unaware of such plants, answer "No" and skip to Section 9.

Item 8.4. Provide the names and locations of any existing plants that resemble your production facility. You do not need to conduct any studies to respond to this item.

Section 9. Other Information

Item 9.1. Indicate whether you have attached to the application any optional information that you would like considered as part of the application review process. These should be items beyond those you have already noted as being included in the package. Skip to Section 10 if you do not have further information to provide.

Item 9.2. List the additional materials attached and note why you think the NPDES permitting authority should consider them when reviewing your application and developing your permit.

Section 10. Checklist and Certification Statement

Item 10.1. Review the checklist provided. In column 1, mark the sections of Form 2D that you have completed and are submitting with your application. For each section, indicate in column 2 whether you are submitting attachments.

Item 10.2. The CWA provides for severe penalties for submitting false information on this application form. Section 309(c)(2) of the CWA provides that "Any person who knowingly makes any false statement, representation, or certification in any application, ...shall upon conviction, be punished by a fine of no more than $10,000 or by imprisonment for not more than six months or both."

FEDERAL REGULATIONS AT 40 CFR 122.22 REQUIRE THIS APPLICATION TO BE SIGNED AS FOLLOWS:

A. For a corporation, by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (2) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

B For a partnership or sole proprietorship, by a general partner or the proprietor, respectively.

C. For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes: (1) the chief executive officer of the agency or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

END

Submit your completed Form 1, Form 2D, and all associated attachments (and any other required NPDES application forms) to your NPDES permitting authority.

Exhibit 2D–1. Codes for Treatment Units and Disposal of Wastes Not Discharged

1. PHYSICAL TREATMENT PROCESSES

1–A ..... Ammonia stripping
1–B ..... Dialysis
1–C ..... Diatomaceous earth filtration
1–D ..... Distillation
1–E ..... Electrodialysis
1–F ..... Evaporation
1–G ..... Flocculation
1–H ..... Flotation
1–I ..... Foam fractionation
1–J ..... Freezing
1–K ..... Gas-phase separation
1–L ..... Grinding (*comminutors*)
1–M ..... Grit removal
1–N ..... Microstraining
1–O ..... Mixing
1–P ..... Moving bed filters
1–Q ..... Multimedia filtration
1–R ..... Rapid sand filtration
1–S ..... Reverse osmosis (*hyperfiltration*)
1–T ..... Screening
1–U ..... Sedimentation (*settling*)
1–V ..... Slow sand filtration
1–W ..... Solvent extraction
1–X ..... Sorption

2. CHEMICAL TREATMENT PROCESSES

2–A ..... Carbon adsorption
2–B ..... Chemical oxidation
2–C ..... Chemical precipitation
2–D ..... Coagulation
2–E ..... Dechlorination
2–F ..... Disinfection (*chlorine*)
2–G ..... Disinfection (*ozone*)
2–H ..... Disinfection (*other*)
2–I ..... Electrochemical treatment
2–J ..... Ion exchange
2–K ..... Neutralization
2–L ..... Reduction

3. BIOLOGICAL TREATMENT PROCESSES

3–A ..... Activated sludge
3–B ..... Aerated lagoons
3–C ..... Anaerobic treatment
3–D ..... Nitrification–denitrification
3–E ..... Pre-aeration
3–F ..... Spray irrigation/land application
3–G ..... Stabilization ponds
3–H ..... Trickling filtration

4. OTHER PROCESSES

4–A ..... Discharge to surface water
4–B ..... Ocean discharge through outfall
4–C ..... Reuse/recycle of treated effluent
4–D ..... Underground injection

5. SLUDGE TREATMENT AND DISPOSAL PROCESSES

5–A ..... Aerobic digestion
5–B ..... Anaerobic digestion
5–C ..... Belt filtration
5–D ..... Centrifugation
5–E ..... Chemical conditioning
5–F ..... Chlorine treatment
5–G ..... Composting
5–H ..... Drying beds
5–I ..... Elutriation
5–J ..... Flotation thickening
5–K ..... Freezing
5–L ..... Gravity thickening
5–M ..... Heat drying
5–N ..... Heat treatment
5–O ..... Incineration
5–P ..... Land application
5–Q ..... Landfill
5–R ..... Pressure filtration
5–S ..... Pyrolysis
5–T ..... Sludge lagoons
5–U ..... Vacuum filtration
5–V ..... Vibration
5–W ..... Wet oxidation

Exhibit 2D–2. Example Line Drawing

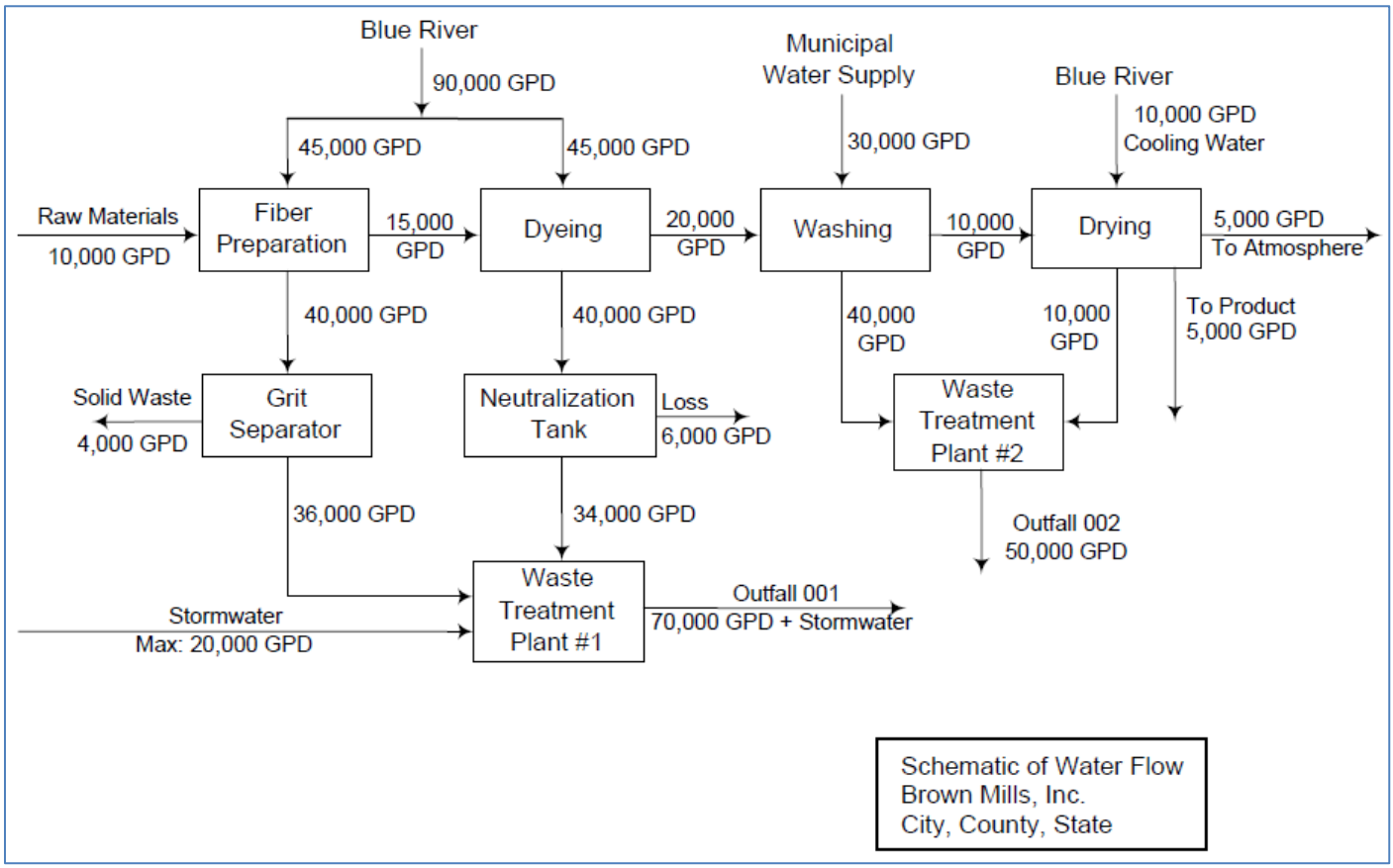


Exhibit 2D–3. Hazardous Substances

1. Acetaldehyde
2. Acetic acid
3. Acetic anhydride
4. Acetone cyanohydrin
5. Acetyl bromide
6. Acetyl chloride
7. Acrolein
8. Acrylonitrile
9. Adipic acid
10. Aldrin
11. Allyl alcohol
12. Allyl chloride
13. Aluminum sulfate
14. Ammonia
15. Ammonium acetate
16. Ammonium benzoate
17. Ammonium bicarbonate
18. Ammonium bichromate
19. Ammonium bifluoride
20. Ammonium bisulfite
21. Ammonium carbamate
22. Ammonium carbonate
23. Ammonium chloride
24. Ammonium chromate
25. Ammonium citrate
26. Ammonium fluoroborate
27. Ammonium fluoride
28. Ammonium hydroxide
29. Ammonium oxalate
30. Ammonium silicofluoride
31. Ammonium sulfamate
32. Ammonium sulfide
33. Ammonium sulfite
34. Ammonium tartrate
35. Ammonium thiocyanate
36. Ammonium thiosulfate
37. Amyl acetate
38. Aniline
39. Antimony pentachloricle
40. Antimony potassium tartrate
41. Antimony tribromide
42. Antimony trichloride
43. Antimony trifluoride
44. Antimony trioxide
45. Arsenic disulfide
46. Arsenic pentoxide
47. Arsenic trichloride
48. Arsenic trioxide
49. Arsenic trisulfide
50. Barium cyanide
51. Benzene
52. Benzoic acid
53. Benzonitrile
54. Benzoyl chloride
55. Benzyl chloride
56. Beryllium chloride
57. Beryllium fluoride
58. Beryllium nitrate
59. Butylacetate
60. n-butylphthalate
61. Butylamine
62. Butyric acid
63. Cadmium acetate
64. Cadmium bromide
65. Cadmium chloride
66. Calcium arsenate
67. Calcium arsenite
68. Calcium carbide
69. Calcium chromate
70. Calcium cyanide
71. Calcium dodecylbenzenesulfonate
72. Calcium hypochlorite
73. Captan
74. Carbaryl
75. Carbofuran
76. Carbon disulfide
77. Carbon tetrachloride
78. Chlordane
79. Chlorine
80. Chlorobenzene
81. Chloroform
82. Chloropyrifos
83. Chlorosulfonic acid
84. Chromic acetate
85. Chromic acid
86. Chromic sulfate
87. Chromous chloride
88. Cobaltous bromide
89. Cobaltous formate
90. Cobaltous sulfamate
91. Coumaphos
92. Cresol
93. Crotonaldehyde
94. Cupric acetate
95. Cupric acetoarsenite
96. Cupric chloride
97. Cupric nitrate
98. Cupric oxalate
99. Cupric sulfate
100. Cupric sulfate ammoniated
101. Cupric tartrate
102. Cyanogen chloride
103. Cyclohexane
104. 2,4-D acid (2,4-dichlorophenoxyacetic acid)
105. 2,4-D esters (2,4-dichlorophenoxyacetic acid esters)
106. DDT (dichlorodiphenyltrichloroethane)
107. Diazinon
108. Dicamba
109. Dichlobenil
110. Dichlone
111. Dichlorobenzene
112. Dichloropropane
113. Dichloropropene
114. Dichloropropene-dichloproropane mix
115. 2,2-dichloropropionic acid
116. Dichlorvos
117. Dieldrin
118. Diethylamine
119. Dimethylamine
120. Dinitrobenzene
121. Dinitrophenol
122. Dinitrotoluene
123. Diquat
124. Disulfoton
125. Diuron
126. Dodecylbenzesulfonic acid
127. Endosulfan
128. Endrin
129. Epichlorohydrin
130. Ethion
131. Ethylbenzene
132. Ethylenediamine
133. Ethylene dibromide
134. Ethylene dichloride
135. EDTA (ethylene diaminetetracetic acid)
136. Ferric ammonium citrate
137. Ferric ammonium oxalate
138. Ferric chloride
139. Ferric fluoride
140. Ferric nitrate
141. Ferric sulfate
142. Ferrous ammonium sulfate
143. Ferrous chloride
144. Ferrous sulfate
145. Formaldehyde
146. Formic acid
147. Fumaric acid
148. Furfural
149. Guthion
150. Heptachlor
151. Hexachlorocyclopentadiene
152. Hydrochloric acid
153. Hydrofluoric acid
154. Hydrogen cyanide
155. Hydrogen sulfide
156. Isoprene
157. Isopropanolamine dodecylbenzenesulfonate
158. Kelthane
159. Kepone
160. Lead acetate
161. Lead arsenate
162. Lead chloride
163. Lead fluoborate
164. Lead fluorite
165. Lead iodide
166. Lead nitrate
167. Lead stearate
168. Lead sulfate
169. Lead sulfide
170. Lead thiocyanate
171. Lindane
172. Lithium chromate
173. Malathion
174. Maleic acid
175. Maleic anhydride
176. Mercaptodimethur
177. Mercuric cyanide
178. Mercuric nitrate
179. Mercuric sulfate
180. Mercuric thiocyanate
181. Mercurous nitrate
182. Methoxychlor
183. Methyl mercaptan
184. Methyl methacrylate
185. Methyl parathion
186. Mevinphos
187. Mexacarbate
188. Monoethylamine
189. Monomethylamine
190. Naled
191. Naphthalene
192. Naphthenic acid
193. Nickel ammonium sulfate
194. Nickel chloride
195. Nickel hydroxide
196. Nickel nitrate
197. Nickel sulfate
198. Nitric acid
199. Nitrobenzene
200. Nitrogen dioxide
201. Nitrophenol
202. Nitrotoluene
203. Paraformaldehyde
204. Parathion
205. Pentachlorophenol
206. Phenol
207. Phosgene
208. Phosphoric acid
209. Phosphorus
210. Phosphorus oxychloride
211. Phosphorus pentasulfide
212. Phosphorus trichloride
213. PCBs (polychlorinated biphenyls)

Exhibit 2D–3. Hazardous Substances

214. Potassium arsenate
215. Potassium arsenite
216. Potassium bichromate
217. Potassium chromate
218. Potassium cyanide
219. Potassium hydroxide
220. Potassium permanganate
221. Propargite
222. Propionic acid
223. Propionic anhydride
224. Propylene oxide
225. Pyrethrins
226. Quinoline
227. Resorcinol
228. Selenium oxide
229. Silver nitrate
230. Sodium
231. Sodium arsenate
232. Sodium arsenite
233. Sodium bichromate
234. Sodium bifluoride
235. Sodium bisulfite
236. Sodium chromate
237. Sodium cyanide
238. Sodium dodecylbenzenesulfonate
239. Sodium fluoride
240. Sodium hydrosulfide
241. Sodium hydroxide
242. Sodium hypochlorite
243. Sodium methylate
244. Sodium nitrite
245. Sodium phosphate (dibasic)
246. Sodium phosphate (tribasic)
247. Sodium selenite
248. Strontium chromate
249. Strychnine
250. Styrene
251. Sulfuric acid
252. Sulfur monochloride
253. 2,4,5-T acid (2,4,5-trichlorophenoxyacetic acid)
254. 2,4,5-T amines (2,4,5-trichlorophenoxy acetic acid amines)
255. 2,4,5-T esters (2,4,5-trichlorophenoxy acetic acid esters)
256. 2,4,5-T salts (2,4,5-trichlorophenoxy acetic acid salts)
257. 2,4,5-TP acid (2,4,5-trichlorophenoxy propanoic acid)
258. 2,4,5-TP acid esters (2,4,5-trichlorophenoxy propanoic acid esters)
259. TDE (tetrachlorodiphenyl ethane)
260. Tetraethyl lead
261. Tetraethyl pyrophosphate
262. Thallium sulfate
263. Toluene
264. Toxaphene
265. Trichlorofon
266. Trichloroethylene
267. Trichlorophenol
268. Triethanolamine dodecylbenzenesulfonate
269. Triethylamine
270. Trimethylamine
271. Uranyl acetate
272. Uranyl nitrate
273. Vanadium penoxide
274. Vanadyl sulfate
275. Vinyl acetate
276. Vinylidene chloride
277. Xylene
278. Xylenol
279. Zinc acetate
280. Zinc ammonium chloride
281. Zinc borate
282. Zinc bromide
283. Zinc carbonate
284. Zinc chloride
285. Zinc cyanide
286. Zinc fluoride
287. Zinc formate
288. Zinc hydrosulfite
289. Zinc nitrate
290. Zinc phenolsulfonate
291. Zinc phosphide
292. Zinc silicofluoride
293. Zinc sulfate
294. Zirconium nitrate
295. Zirconium potassium fluoride
296. Zirconium sulfate
297. Zirconium tetrachloride

This page intentionally left blank.

EPA Identification Number	Facility Name
	Falkville Quarry

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

Form 2D NPDES

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

NEW MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURAL OPERATIONS THAT HAVE NOT YET COMMENCED DISCHARGE OF PROCESS WASTEWATER

SECTION 1. EXPECTED OUTFALL LOCATION (40 CFR 122.21(K)(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
001E		See Attached Permit Application	Containing Outfall Location Data
002P-006P		See Attached Permit Application	Containing Outfall Location Data

SECTION 2. EXPECTED DISCHARGE DATE (40 CFR 122.21(K)(2))

Expected Discharge Date

2.1

Month	Day	Year
N/A	N/A	N/A

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

Average Flows and Treatment

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

****Outfall Number**** 001E

Operations Contributing to Flow

Operation	Average Flow
Mining of Limestone Rock	N/A mgd
	mgd
	mgd
	mgd
	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 Than by Discharge
N/A	N/A	N/A

Average Flows and Treatment Continued

3.1 Cont.

****Outfall Number**** 001E

Operations Contributing to Flow

Operation	Average Flow
	mgd
	mgd
	mgd
	mgd
	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 Than by Discharge

****Outfall Number**** 002P-006P

Operations Contributing to Flow

Operation	Average Flow
	mgd
	mgd
	mgd
	mgd
	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 Than by Discharge

SECTION 4. LINE DRAWING (40 CFR 122.21(K)(3)(II))

Line Drawing

4.1 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 2D–2 at end of instructions for example.)

☑ Yes

SECTION 5. INTERMITTENT OR SEASONAL FLOWS (40 CFR 122.21(K)(3)(III))

Intermittent or Seasonal Flows

5.1 Except for stormwater runoff, leaks, or spills, are any expected discharges described in Sections 1 and 3 intermittent or seasonal?

☐ Yes ☑ No ➔ SKIP to Section 6.

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

Outfall Number	Operations (list)	Frequency		Rate and Volume		Duration
		Average Days/Week	Average Months/Year	Maximum Daily Discharge	Maximum Total Volume	
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days

Outfall Number	Operations (list)	Frequency		Rate and Volume		Duration
		Average Days/Week	Average Months/Year	Maximum Daily Discharge	Maximum Total Volume	
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days

Outfall Number	Operations (list)	Frequency		Rate and Volume		Duration
		Average Days/Week	Average Months/Year	Maximum Daily Discharge	Maximum Total Volume	
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days

SECTION 6. PRODUCTION (40 CFR 122.21(K)(4))

Production

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

☐ Yes ☑ No ➔ SKIP to Section 7.

6.2 Provide the following information on applicable ELGs.

ELG Category	ELG Subcategory	Regulatory Citation

Production Continued

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

☐ Yes ☐ No ➔ SKIP to Section 7.

6.4 Provide an expected measure of average daily production expressed in terms and units of applicable ELGs.

Expected Actual Average Daily Production for First Three Years				
Outfall Number	**Year**	**Operation, Product, or Material**	**Quantity per Day** (note basis if applicable)	**Unit of Measure**
	Year 1			
	Year 2			
	Year 3			
	Year 1			
	Year 2			
	Year 3			
	Year 1			
	Year 2			
	Year 3			

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

Effluent Characteristics

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

Table A. Conventional and Non-Conventional Parameters

7.1 Are you requesting a waiver from your NPDES permitting authority for any Table A parameters 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 001E Outfall number 002-006 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 have provided estimates or actual data for all Table A parameters for each of your outfalls for which a waiver has not been requested and attached the results to this application package?

☐ Yes

Table B. Certain Conventional and Non-Conventional Pollutants

7.4 Have you checked "Believed Present" for all pollutants listed in Table B that are limited directly or indirectly by an applicable ELG?

☐ Yes ☑ Not applicable

7.5 Have you checked "Believed Present" or "Believed Absent" for all remaining pollutants listed in Table B?

☑ Yes

	7.6	Have you provided estimated data for those Table B pollutants for which you have indicated are "Believed Present" in your discharge? ☑ Yes
Effluent Characteristics Continued	**Table C. Toxic Metals, Total Cyanide, and Total Phenols**	
	7.7	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table C for all outfalls? ☑ Yes
	7.8	Have you completed Table C by providing estimated data for pollutants you indicated are "Believed Present," including the source of the information, for each applicable outfall? ☑ Yes
	Table D. Organic Toxic Pollutants (GC/MS Fractions)	
	7.9	Do you qualify for a small business exemption under the criteria specified in the Instructions? ☐ Yes ➔ Note that you qualify at the top of Table D, then SKIP to Item 7.12. ☑ No
	7.10	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table D for all outfalls? ☑ Yes
	7.11	Have you completed Table D by providing estimated data for pollutants you indicated are "Believed Present," including the source of the information, for each applicable outfall? ☑ Yes
	2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD)	
	7.12	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 effluent from any of your outfalls? ☐ Yes ☑ No
	Table E. Certain Hazardous Substances and Asbestos	
	7.13	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table E for all outfalls? ☑ Yes
	7.14	Have you completed Table E by reporting the reason the pollutants are expected to be present and available quantitative data for pollutants you indicated are "Believed Present" for each applicable outfall? ☑ Yes
	Intake Credits, Tables A through E	
	7.15	Are you applying for net credits for the presence of any of the pollutants in Tables A through E for any of your outfalls? ☐ Yes ➔ Consult with your NPDES permitting authority. ☑ No

SECTION 8. ENGINEERING REPORT (40 CFR 122.21(K)(6))

Engineering Report	8.1	Do you have any technical evaluations of your wastewater treatment, including engineering reports or pilot plant studies? ☐ Yes ☑ No ➔ SKIP to Item 8.3.
	8.2	Have you provided the technical evaluation and all related documents to this application package? ☐ Yes ☐ No
	8.3	Are you aware of any existing plant(s) whose production processes, wastewater constituents, or wastewater treatment resemble those at your facility? ☐ Yes ☑ No ➔ SKIP to Section 9.

Engineering Report Continued

8.4 Provide the names and locations of the similar plants.

Name of Similar Plant	Location of Similar Plant

SECTION 9. OTHER INFORMATION (40 CFR 122.21(K)(7))

Other Information

9.1 Have you attached any optional information that you would like considered as part of the application review process (i.e., material beyond that which you have already noted in the application as being attached)?

☐ Yes ☑ No ➔ SKIP to Section 10.

9.2 List the additional items and briefly note why you have included them.

1.

2.

3.

4.

5.

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 2D 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 tables, or provide attachments.

Column 1	Column 2
☑ Section 1: Expected Outfall Location	☐ w/ attachments (e.g., responses for additional outfalls)
☑ Section 2: Expected Discharge Date	☐ w/ attachments
☑ Section 3: Average Flows and Treatment	☐ w/ attachments
☑ Section 4: Line Drawing	☑ w/ line drawing ☐ w/ additional attachments
☑ Section 5: Intermittent or Seasonal Flows	☐ w/ attachments
☑ Section 6: Production	☐ w/ attachments
☑ Section 7: Effluent Characteristics	☐ w/ Table A waiver request or approval ☐ Table A ☐ Table B ☐ Table C ☐ Table D ☐ Table E ☐ w/ other attachments
☑ Section 8: Engineering Report	☐ w/ technical evaluations and related attachments
☑ Section 9: Other Information	☐ w/ optional information
☑ Section 10: Checklist and Certification Statement	☐ w/ attachments

Checklist and Certification Statement Continued

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
Bradlley Youngblood	Engineering Manager
Signature: Bradley Youngblood	Date signed: 03/25/2026

This page intentionally left blank.

EPA Identification Number	Facility Name	Outfall Number	OMB No. 2040-0004 Expires 07/31/2026
	Falkville Quarry	001E & 002P-006P	

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETER ESTIMATES (40 CFR 122.21(K)(5)(I))[1]

	Pollutant	Waiver Requested (if applicable)	Units		Effluent Data: Maximum Daily Discharge (required)	Effluent Data: Average Daily Discharge (if available)	Effluent Data: Source of Information (use codes in instructions)	Intake Water: Believed Present? (check only one response per parameter)	
☑	Check here if you have applied to your NPDES authority for a waiver for *all* of the pollutants listed on this table for the noted outfall.								
1.	Biochemical oxygen demand (BOD_5)	☐	Concentration					☐ Yes	☐ No
			Mass						
2.	Chemical oxygen demand (COD)	☐	Concentration					☐ Yes	☐ No
			Mass						
3.	Total organic carbon (TOC)	☐	Concentration					☐ Yes	☐ No
			Mass						
4.	Total suspended solids (TSS)	☐	Concentration					☐ Yes	☐ No
			Mass						
5.	Ammonia (as N)	☐	Concentration					☐ Yes	☐ No
			Mass						
6.	Flow	☐	Rate					☐ Yes	☐ No
7.	Temperature (winter)	☐	°C	°C				☐ Yes	☐ No
	Temperature (summer)	☐	°C	°C					
8.	pH (minimum)	☐	Standard units	s.u.				☐ Yes	☐ No
	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).

This page intentionally left blank.

EPA Identification Number	Facility Name	Outfall Number	OMB No. 2040-0004 Expires 07/31/2026
	Falkville Quarry	001E & 002P-006P	

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(K)(5)(II))[1]

	Pollutant	Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present or Limited by an ELG (provide both concentration and mass estimates for each pollutant)					
				Effluent					Intake Water
		Believed Present	Believed Absent	Units	Maximum Daily Discharge (required)	Average Daily Discharge (if available)	Source of Information (use codes in instructions)		Believed Present? (check only one response per item)
☑	Check (✓) here if you believe all pollutants listed to be absent from the discharge. You need not complete Table B for the noted outfall *unless* you have quantitative data available.								
1.	Bromide (24959-67-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.	Chlorine, total residual	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.	Color	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.	Fecal coliform	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
5.	Fluoride (16984-48-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
6.	Nitrate-nitrite	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
7.	Nitrogen, total organic (as N)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
8.	Oil and grease	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
9.	Phosphorus (as P), total (7723-14-0)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
10.	Sulfate (as SO_4) (14808-79-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
11.	Sulfide (as S)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

EPA Identification Number	Facility Name	Outfall Number	OMB No. 2040-0004 Expires 07/31/2026
	Falkville Quarry	001E & 002P-006P	

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(K)(5)(II))[1]

	Pollutant	Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present or Limited by an ELG (provide both concentration and mass estimates for each pollutant)					
				Effluent					Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge (required)	Average Daily Discharge (if available)	Source of Information (use codes in instructions)	Believed Present? (check only one response per item)
12.	Sulfite (as SO_3) (14265-45-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
13.	Surfactants	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
14.	Aluminum, total (7429-90-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
15.	Barium, total (7440-39-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
16.	Boron, total (7440-42-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
17.	Cobalt, total (7440-48-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
18.	Iron, total (7439-89-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
19.	Magnesium, total (7439-95-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
20.	Molybdenum, total (7439-98-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
21.	Manganese, total (7439-96-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
22.	Tin, total (7440-31-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(K)(5)(II))[1]

Pollutant		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present or Limited by an ELG (provide both concentration and mass estimates for each pollutant)					
				Effluent					Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge (required)	Average Daily Discharge (if available)	Source of Information (use codes in instructions)	Believed Present? (check only one response per item)
23.	Titanium, total (7440-32-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
24.	Radioactivity								
24.1	Alpha, total	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
24.2	Beta, total	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
24.3.	Radium, total	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
24.4	Radium 226, total	☐	☐	Concentration					☐ Yes ☐ No
				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).

This page intentionally left blank.

TABLE C. TOXIC METALS, TOTAL CYANIDE, AND TOTAL PHENOLS (40 CFR 122.21(K)(5)(III)(A))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (Provide both concentration and mass estimates for each pollutant.)						
				Effluent					Intake Water	
		Believed Present	Believed Absent	Units	Maximum Daily Discharge (required)	Average Daily Discharge (if available)	Source of Information (Use codes in Instructions.)		Believed Present? (Check only one response per pollutant.)	
☑	Check (✓) here if you believe all pollutants listed to be absent from the discharge. You need not complete Table C for the noted outfall *unless* you have quantitative data available.									
1.	Antimony, Total (7440-36-0)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
2.	Arsenic, Total (7440-38-2)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
3.	Beryllium, Total (7440-41-7)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
4.	Cadmium, Total (7440-43-9)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
5.	Chromium, Total (7440-47-3)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
6.	Copper, Total (7440-50-8)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
7.	Lead, Total (7439-92-1)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
8.	Mercury, Total (7439-97-6)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
9.	Nickel, Total (7440-02-0)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
10.	Selenium, Total (7782-49-2)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
11.	Silver, Total (7440-22-4)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
12.	Thallium, Total (7440-28-0)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
13.	Zinc, Total (7440-66-6)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
14.	Cyanide, Total (57-12-5)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
15.	Phenols, Total	☐	☐	Concentration					☐ Yes	☐ No
				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).

This page intentionally left blank.

EPA Identification Number	Facility Name	Outfall Number	OMB No. 2040-0004 Expires 07/31/2026
	Falkville Quarry	001E & 002P-006P	

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
					Effluent			Intake Water	
		Believed Present	Believed Absent	Units	Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)	
☑	Check here if all pollutants listed in Table D are expected to be absent from your facility's discharge.								
☐	Check here if the facility believes it is exempt from Table D reporting requirements because it is a qualified small business. See the instructions for exemption criteria and for a list of materials you must attach to the application.								
Note: If you check either of the above boxes, you do not need to complete Table D for the noted outfall *unless* you have quantitative data available.									
1. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)									
1.1	Acrolein (107-02-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.2	Acrylonitrile (107-13-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.3	Benzene (71-43-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.4	Bromoform (75-25-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.5	Carbon tetrachloride (56-23-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.6	Chlorobenzene (108-90-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.7	Chlorodibromomethane (124-48-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.8	Chloroethane (75-00-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.9	2-chloroethylvinyl ether (110-75-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.10	Chloroform (67-66-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.11	Dichlorobromomethane (75-27-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
1.12	1,1-dichloroethane (75-34-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.13	1,2-dichloroethane (107-06-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.14	1,1-dichloroethylene (75-35-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.15	1,2-dichloropropane (78-87-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.16	1,3-dichloropropylene (542-75-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.17	Ethylbenzene (100-41-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.18	Methyl bromide (74-83-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.19	Methyl chloride (74-87-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.20	Methylene chloride (75-09-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.21	1,1,2,2-tetrachloroethane (79-34-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.22	Tetrachloroethylene (127-18-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.23	Toluene (108-88-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.24	1,2-trans-dichloroethylene (156-60-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
1.25	1,1,1-trichloroethane (71-55-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.26	1,1,2-trichloroethane (79-00-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.27	Trichloroethylene (79-01-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.28	Vinyl chloride (75-01-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)									
2.1	2-chlorophenol (95-57-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.2	2,4-dichlorophenol (120-83-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.3	2,4-dimethylphenol (105-67-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.4	4,6-dinitro-o-cresol (534-52-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.5	2,4-dinitrophenol (51-28-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.6	2-nitrophenol (88-75-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.7	4-nitrophenol (100-02-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.8	p-chloro-m-cresol (59-50-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.9	Pentachlorophenol (87-86-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

	Pollutant (CAS Number, if available)	Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
2.10	Phenol (108-95-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.11	2,4,6-trichlorophenol (88-05-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)									
3.1	Acenaphthene (83-32-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.2	Acenaphthylene (208-96-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.3	Anthracene (120-12-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.4	Benzidine (92-87-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.5	Benzo (a) anthracene (56-55-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.6	Benzo (a) pyrene (50-32-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.7	3,4-benzofluoranthene (205-99-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.8	Benzo (ghi) perylene (191-24-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.9	Benzo (k) fluoranthene (207-08-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.10	Bis (2-chloroethoxy) methane (111-91-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.11	Bis (2-chloroethyl) ether (111-44-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
3.12	Bis (2-chloroisopropyl) ether (102-80-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.13	Bis (2-ethylhexyl) phthalate (117-81-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.14	4-bromophenyl phenyl ether (101-55-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.15	Butyl benzyl phthalate (85-68-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.16	2-chloronaphthalene (91-58-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.17	4-chlorophenyl phenyl ether (7005-72-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.18	Chrysene (218-01-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.19	Dibenzo (a,h) anthracene (53-70-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.20	1,2-dichlorobenzene (95-50-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.21	1,3-dichlorobenzene (541-73-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.22	1,4-dichlorobenzene (106-46-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.23	3,3-dichlorobenzidine (91-94-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.24	Diethyl phthalate (84-66-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.25	Dimethyl phthalate (131-11-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
3.26	Di-n-butyl phthalate (84-74-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.27	2,4-dinitrotoluene (121-14-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.28	2,6-dinitrotoluene (606-20-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.29	Di-n-octyl phthalate (117-84-0)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.30	1,2-diphenylhydrazine (as azobenzene) (122-66-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.31	Fluoranthene (206-44-0)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.32	Fluorene (86-73-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.33	Hexachlorobenzene (118-74-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.34	Hexachlorobutadiene (87-68-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.35	Hexachlorocyclopentadiene (77-47-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.36	Hexachloroethane (67-72-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.37.	Indeno (1,2,3-cd) pyrene (193-39-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.38	Isophorone (78-59-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.39	Naphthalene (91-20-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
3.40	Nitrobenzene (98-95-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.41	N-nitrosodimethylamine (62-75-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.42	N-nitrosodi-n-propylamine (621-64-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.43	N-nitrosodiphenylamine (86-30-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.44	Phenanthrene (85-01-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.45	Pyrene (129-00-0)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.46	1,2,4-trichlorobenzene (120-82-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)									
4.1.	Aldrin (309-00-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.2	α-BHC (319-84-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.3	β-BHC (319-85-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.4	γ-BHC (58-89-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.5	δ-BHC (319-86-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.6	Chlordane (57-74-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
4.7	4,4'-DDT (50-29-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.8	4,4'-DDE (72-55-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.9	4,4'-DDD (72-54-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.10	Dieldrin (60-57-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.11	α-endosulfan (115-29-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.12	β-endosulfan (115-29-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.13	Endosulfan sulfate (1031-07-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.14	Endrin (72-20-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.15	Endrin aldehyde (7421-93-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
4.16	Heptachlor (76-44-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.17	Heptachlor epoxide (1024-57-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.18	PCB-1242 (53469-21-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.19	PCB-1254 (11097-69-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.20	PCB-1221 (11104-28-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.21	PCB-1232 (11141-16-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.22	PCB-1248 (12672-29-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.23	PCB-1260 (11096-82-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.24	PCB-1016 (12674-11-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.25	Toxaphene (8001-35-2)	☐	☐	Concentration					☐ Yes ☐ No
				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).

This page intentionally left blank.

TABLE E. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(K)(5)(V))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
☑	Check (✓) here if you believe all pollutants listed to be absent from the discharge. You need not complete Table E for the noted outfall *unless* you have quantitative data available.				
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	☐	☐		

TABLE E. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(K)(5)(V))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
19.	Cyclohexane	☐	☐		
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	☐	☐		

TABLE E. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(K)(5)(V))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
38.	Furfural	☐	☐		
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	☐	☐		

TABLE E. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(K)(5)(V))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
57.	Parathion	☐	☐		
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	☐	☐		

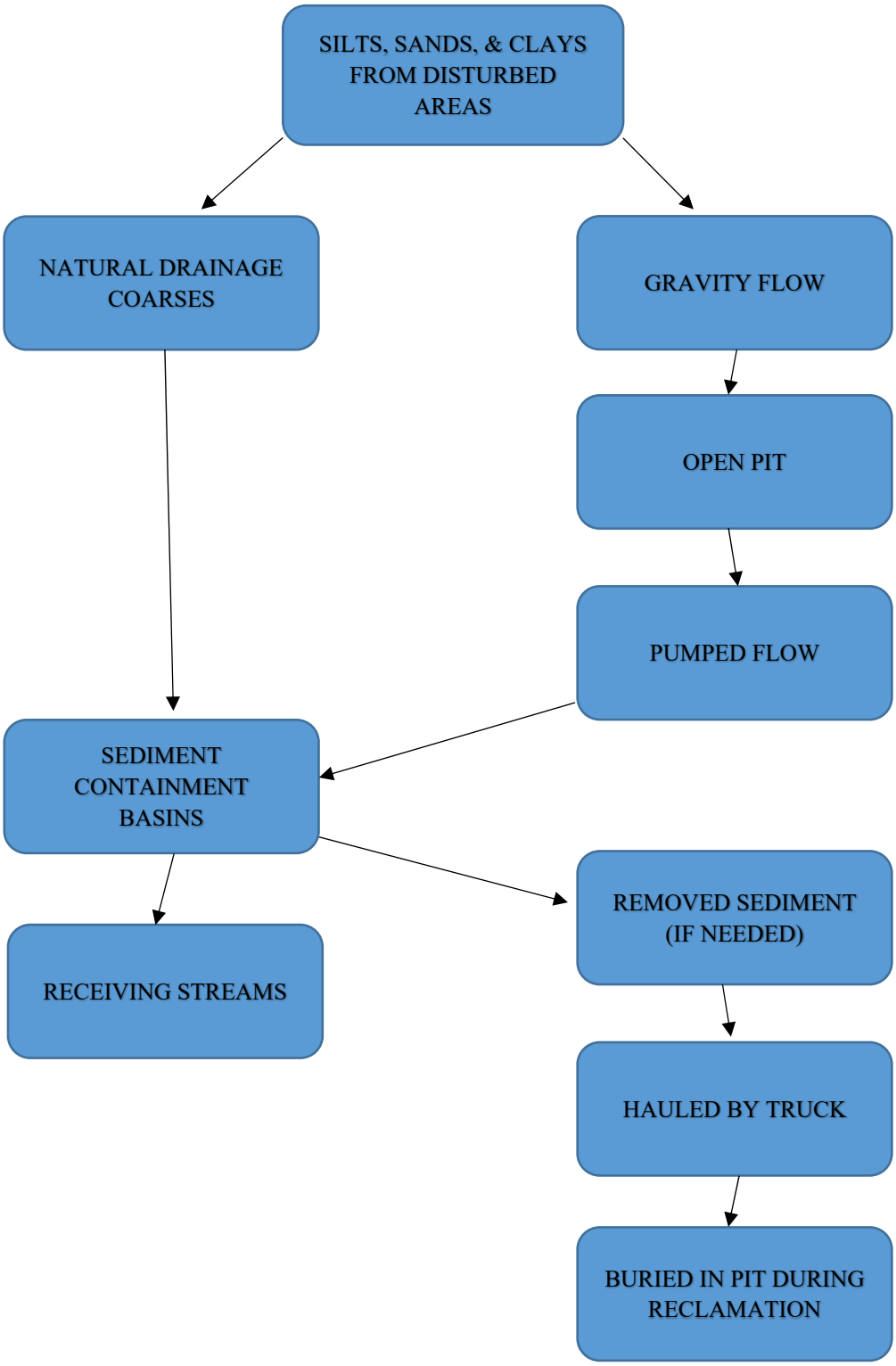
TABLE E. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(K)(5)(V))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
76.	Vanadium	☐	☐		
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).

Click to go back to the beginning of Form

SCHEMATIC DIAGRAM OF WASTE CYLCE



All parameters listed in Tables “A” – “E” were marked as “Believed Absent” due the fact that the facility will be operating as an incised pit and should never have a discharge. However, in the event that a discharge occurs from the site, a complete Form 2C will be conducted.

ROLL ROCK QUARRIES LLC
FALKVILLE QUARRY
NPDES PERMIT MAP

SECTION 31
TOWNSHIP 7 SOUTH, RANGE 3 WEST
SECTION 6
TOWNSHIP 8 SOUTH, RANGE 3 WEST
MORGAN COUNTY, ALABAMA
BASEMAP: HARTSELLE AND SOMERVILLE U.S.G.S QUADRANGLES

N

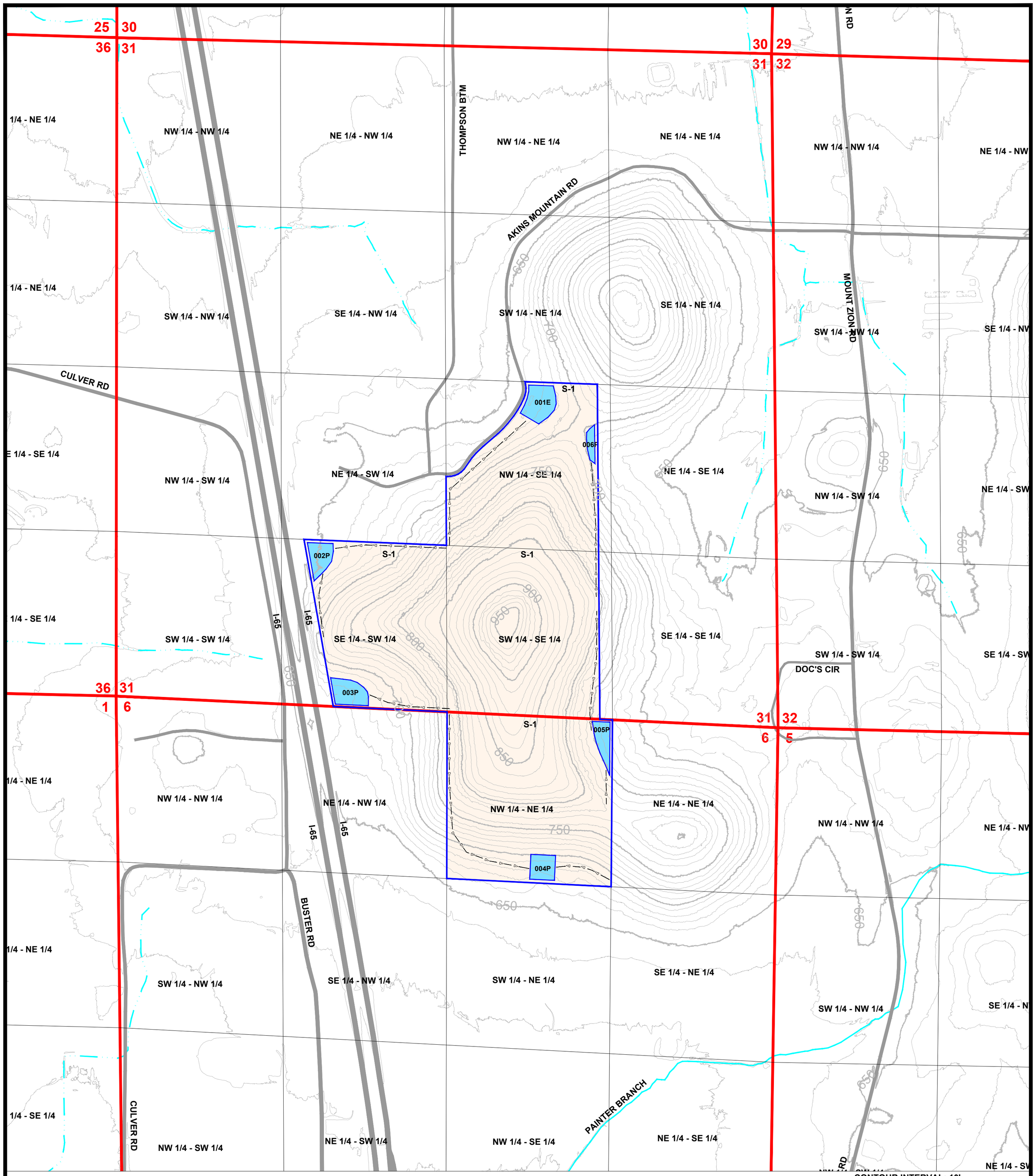
SCALE 1" = 2000'

NPDES PERMIT BOUNDARY

001E SEDIMENT BASIN / OUTFALL

ONE MILE BOUNDARY

SJE
SIMMONS-JOHNSEY ENGINEERING, LLC
407 9th Ave.,Jasper AL, 35501
(205) 275-0689 (205) 522-2057



OWNERSHIP

SURFACE

S-1 AUGUST ELTZ III

CONTOUR INTERVAL: 10'

SECTION 31
TOWNSHIP 7 SOUTH, RANGE 3 WEST
SECTION 6
TOWNSHIP 8 SOUTH, RANGE 3 WEST
MORGAN COUNTY, ALABAMA
BASEMAP: HARTSELLE AND SOMERVILLE U.S.G.S QUADRANGLES

MAP LEGEND

- NPDES PERMIT BOUNDARY
- SEDIMENT BASIN/OUTFALL (001E)
- SECTION LINE
- QUARTER-QUARTER LINE
- DRAINAGE DIVIDE
- PUBLIC ROAD
- DRAINAGE COURSE
- PERENNIAL STREAM

SJE
SIMMONS-JOHNSEY ENGINEERING, LLC
407 9th Ave., Jasper, AL 35501
(205) 275-0689 (205)522-2057

ROLL ROCK QUARRIES LLC

FALKVILLE QUARRY

NPDES PERMIT MAP
ADEM PERMIT NO. AL0067709

DATE:	APPROVED BY:	SCALE:	SHEET:
03/25/26	J.P.J.	1" = 500'	1 OF 1

Spill Prevention, Control, and Countermeasures Plan

Prepared for:

Alabama Department of Environmental Management

Roll Rock Quarries LLC

Falkville Quarry

ADEM NPDES Permit No. AL0067709

Prepared by:

Simmons-Johnsey Engineering, LLC
405 9th Ave.
Jasper, AL 35501
Telephone: (205) 275-0689 or (205) 522-2057

Location: Section 31; Township 7 South, Range 3 West,
Section 6; Township 8 South, Range 3 West,
All located in Morgan County, Alabama
As found on the Hartselle, USGS Quadrangles

Facility Phone Number: (214) 578-3626

Facility Contact and Address: August Eltz III, 320 Akins Mountain, Falkville, AL 35622

1. This facility has never experienced a spill from any fuel or other chemical storage tanks.

2. The containment structures will be located in an area that is not subject to periodic flooding.

3. This plan provides for the containment of the following:

No. of Tanks	Total Capacity	Material
1	10,000 Gal	Diesel Fuel
1	550 Gal	Hydraulic Oil
1	550 Gal	Used Waste Oil
1	550 Gal	Motor Oil
1	550 Gal	Transmission Fluid

The area around the tanks is enclosed by a dike, which exceeds the volume capacity of the largest tank in the bermed area by 10%.

4. The nearest surface water of the State is a Un-named Tributary (UT) to Cedar Creek.

5. The dikes are constructed of impervious material around the tank area. There is a 2" minimum pipe with a manual gate valve, which allows rainwater discharge when it is needed. The valve remains closed at all times and is to be locked until the diked area collects enough rainwater to require draining. After an inspection of the water to determine if any pollutants are present, the valve is opened to allow the proper drainage, and then immediately closed again and re-locked. The containment system is located such that rainwater released through normal de-watering drains to a permitted treatment structure. If pollutants (oil) are present in the rainwater, the pollutants will be removed from the water prior to draining the water. Pollutants will be disposed of in accordance with existing State and Federal regulations. In addition, a log will be maintained which indicates the date when the containment structure was de-watered, the person conducting the de-watering, and a brief description of the water (i.e., oily sheen, clear, slightly turbid, oily smell, etc.).

6. If a spill should occur, the usable fuel oil within the diked area shall immediately be pumped into tanker trucks for transporting to another storage tank. Oil absorbent material will be kept available to contain any spills. The unusable fuel oil and the contaminated soil

in the area will be excavated and disposed of in accordance with existing State and Federal regulations.

7. A written record shall be maintained by the Division Manager of any spill which occurs, and the actions taken to properly dispose of all spilled material and the cleanup procedures.

8. All unloading of transport vehicles to fill the tanks will meet minimum requirements and regulations established by the Department of Transportation. The tanks will be attended while filling to prevent overflow, and to note visible leaks from seams, gaskets, valves, etc. The Operations Manager of the facility will make periodic inspections of the unloading area to detect signs of minor spills. If spills are evident the contaminated soil will be disposed of in accordance with existing State and Federal regulations. If the spills continue, a paved unloading ramp equipped with an oil-water separator will be constructed.

9. All personnel who are in any way connected with unloading transport vehicles, use of fuel oil, maintenance of the facility, or responsible for storm water drainage and spill cleanup will be made familiar with this plan, and a copy of this plan will be posted and readily available to all personnel at the facility.

Potential Sources of Spills:

A. Tank or Tank Valve Rupture:

Prevention: Tanks, valves, and fittings will be properly maintained and kept in good condition. A visual inspection of all tanks, valves, and fittings will be conducted periodically for leaks, and tank foundations for cracks and unusual settling.

B. Tank Overfill:

Prevention: All truck drivers should follow correct operating procedures when unloading diesel fuel and stay with the equipment at all times during unloading operations. Key personnel will be present when fuel and/or other chemicals are delivered to ensure that the delivery personnel follow proper procedures. Any spillage will be immediately cleaned up or mitigated in accordance with this plan.

C. Hose Rupture During Unloading and Spillage from Hoses after Disconnection:

Prevention: Periodic inspections will be conducted of all hoses and replacement hoses will be kept at the facility office. In addition, personnel will use the proper hose drainage procedure.

10. Notification

In the event of a reportable quantity spill, immediately call:

The National Response Center (NRC)
Telephone Number: 1 (800) 424-8802

The Alabama Emergency Management Agency (EMA)
Telephone Number: 1 (800) 843-0699

Alabama Department of Environmental Management (ADEM) Field Operations
1400 Coliseum Boulevard Montgomery, AL 36110
Telephone Number: (334) 271-7700
After Hours Numbers: (334) 242-4378, (334) 254-5054, (334) 254-5056

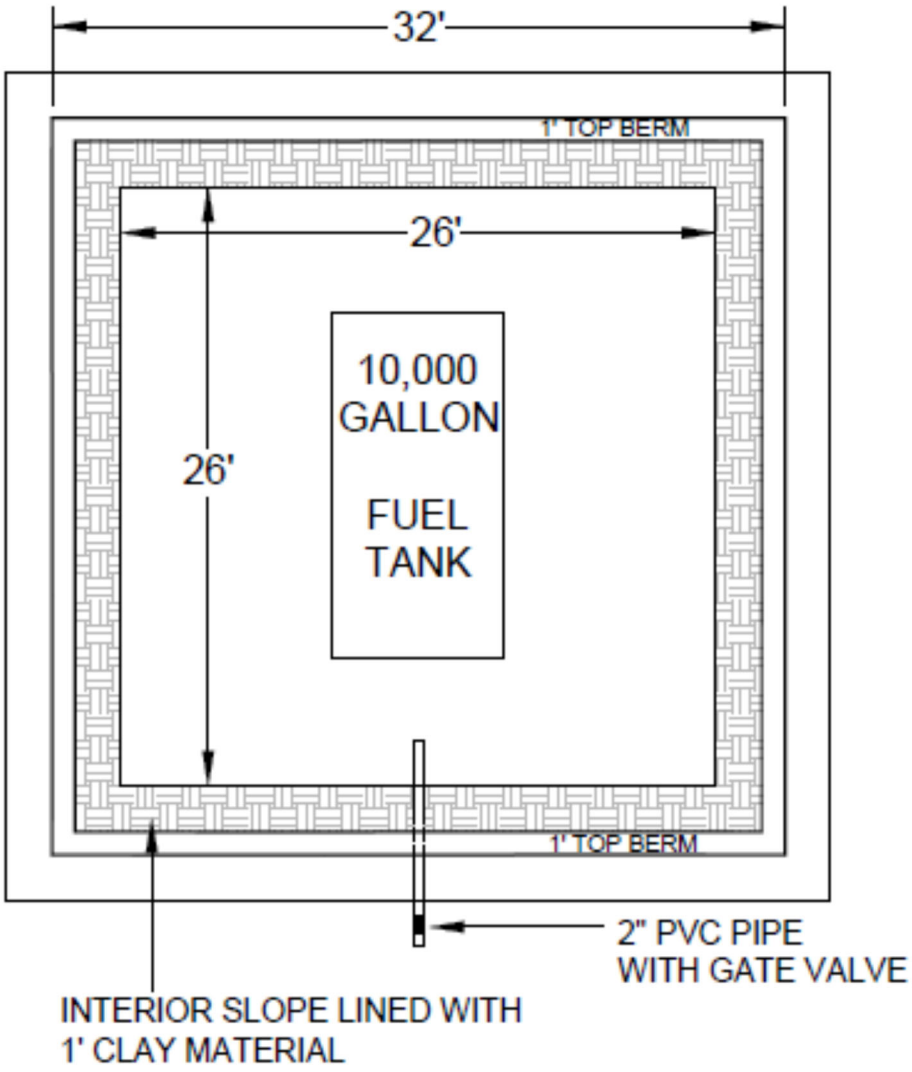
Report the following information:

1. Name, address and telephone number of individual reporting the spill
2. Exact location of facility and spill
3. Company name, number and location
4. Material spilled
5. Estimated quantity
6. Source of spill
7. Cause of spill
8. Nearest down-stream body of water to receive spill
9. Discuss/advise the appropriate actions to take for containment and cleanup

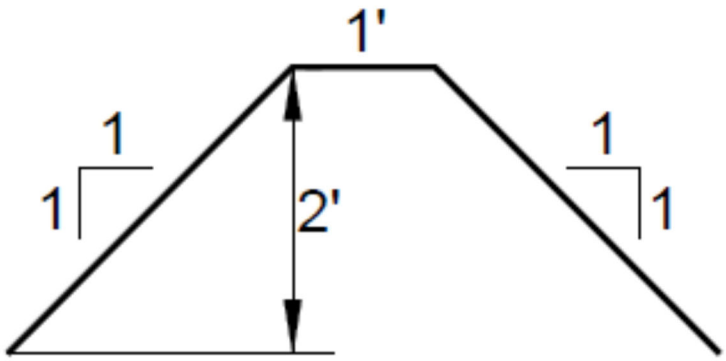
11. The facility will be kept gated and locked to prevent the potential occurrence of vandalism and/or theft whenever Roll Rock Quarries LLC personnel are not present.

All key personnel will be fully trained in all aspects of this plan, the proper use of personal protective gear, and all reporting and record keeping procedures. All non-key personnel will be made familiar with the plan and will be instructed on personal safety.

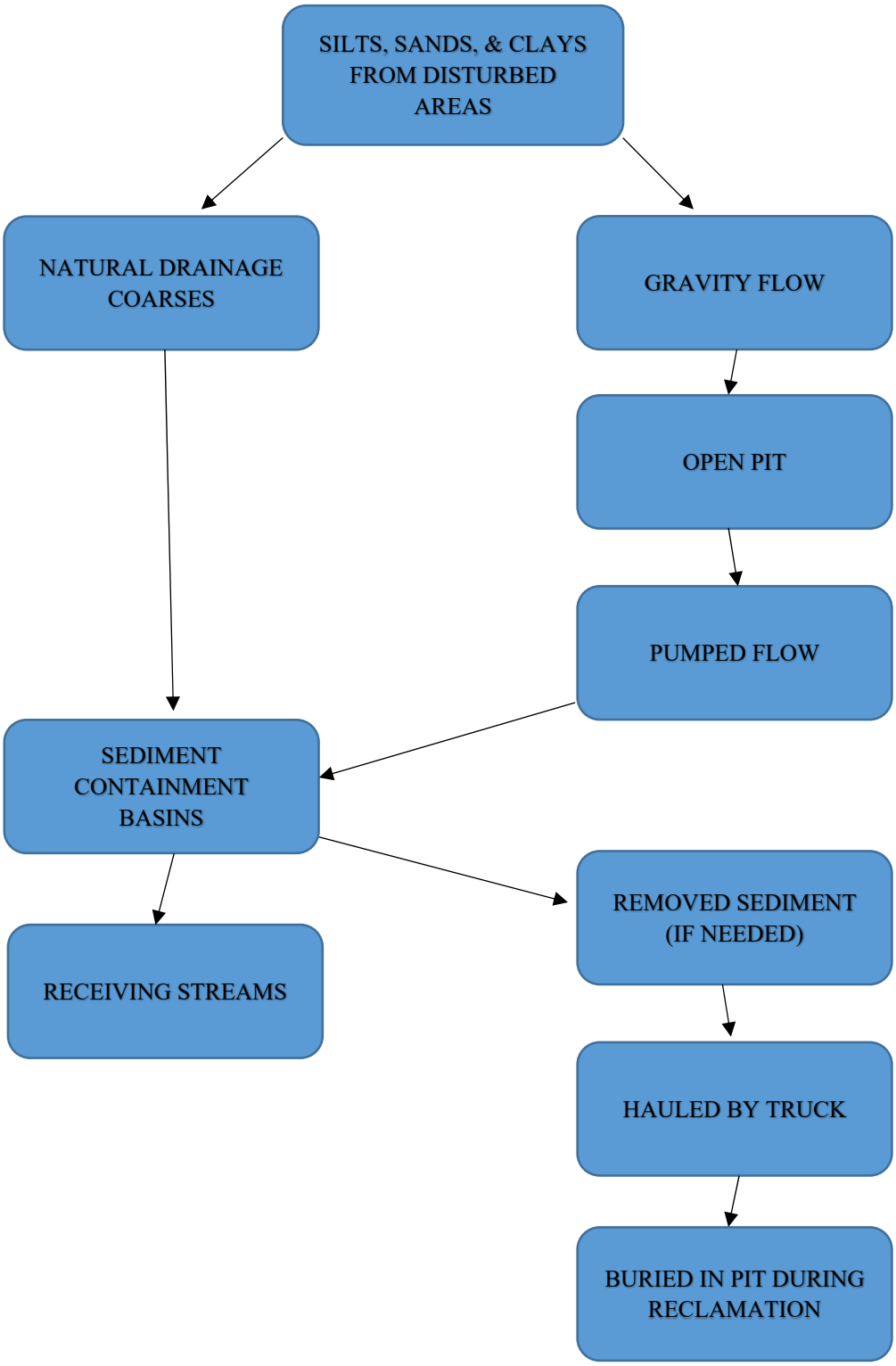
BERM DETAIL



BERM TYPICAL SECTION



SCHEMATIC DIAGRAM OF WASTE CYLCE



SJE
SIMMONS-JOHNSEY
ENGINEERING, LLC

POLLUTION ABATEMENT & PREVENTION (PAP) PLAN

Facility Information:

ROLL ROCK QUARRIES LLC
Falkville Quarry
320 Akins Mountain Road, Falkville, AL 35622
Section 31, Township 7 South, Range 3 West and Section 6, Township 8 South, Range 3 West
Morgan County

Prepared For:

ROLL ROCK QUARRIES LLC
Falkville Quarry
Mr. August Eltz III, Managing Member
2912 Tooles Bend Road, Knoxville, TN 37922

Prepared By:

SIMMONS-JOHNSEY ENGINEERING, LLC
P.O. BOX 1471
Jasper, AL 35502
Telephone: (205) 529-1314

March 31, 2026

INTRODUCTION

This is a Pollution Abatement & Prevention (PAP) Plan is for a permit modification application of the Alabama Department of Environmental Management (ADEM) National Pollutant Discharge Elimination System (NPDES) Individual Permit AL0067709 for the Roll Rock Quarries LLC – Falkville Quarry facility located in Section 31, Township 7 South, Range 3 West and Sections 6, Township 8 South, Range 3 West, in Morgan County, Alabama. This PAP Plan is intended to provide a basis for the establishment and maintenance of a proper sedimentation control system for the Falkville Quarry. This application has been prepared in accordance with the rules and regulations of the ADEM.

The narrative of the Pollution Abatement & Prevention Plan is intended to address the format as outlined by the ADEM Water Division - Water Quality and Control Program, rules and regulations, as well as present the basis for the design as further detailed in the Pollution Abatement & Prevention Plan. The drawings attached in the Pollution Abatement & Prevention Plan were derived from rules and regulations from ADEM as well as from other generally accepted design data sources primarily from the U.S. Department of Agriculture Soil Conservation Service. In general, the narrative will follow the outline of Chapter 6-9-.03, Surface Mining Rules and Regulations ADEM Admin. Code r. 335-6 rules and regulations.

OPERATOR

The ADEM permit holder and operator of the Falkville Quarry limestone operation is Roll Rock Quarries LLC (Roll Rock), whose home office location and facility physical address is as follows:

Facility Physical Address:

Roll Rock Quarries LLC
320 Akins Mountain Road
Falkville, AL 35622

Office Mailing Address:

Roll Rock Quarries LLC
2912 Tooles Bend Road
Knoxville, TN 37922

Legal Description:

Parcel No.: 16-09-31-0-000-008.000 & 23-03-06-0-000-002.000

Section 31, Township 7 South, Range 3 West and Sections 6, Township 8 South, Range 3 West all in Morgan County, Alabama.

Landowner: August Eltz III

The permit boundary of the Roll Rock Quarries LLC – Falkville Quarry facility can be found on the Project Location Map that is included within this plan.

GENERAL INFORMATION

The Roll Rock Quarries LLC – Falkville Quarry will operate a limestone quarry and processing facility. As part of these operations, the limestone will be excavated/mined & processed, loaded on trucks, and transported offsite.

The sequence of mining will generally be to implement/construct the applicable and appropriate Best Management Practices (BMPs) measures or sediment control structures, timber removal, clearing and grubbing, removal of overburden, removal of the limestone rock, regrade and revegetate (reclamation). The sequence will be repeated until reaching the permit boundary or reserve limits except for the implementation of the appropriate erosion control measures and the final regrading and vegetation establishment. As part of this proposed operation, mobile equipment will be used to remove the naturally consolidated overburden that overlays the target limestone material. Upon removal of the overburden, the mobile equipment will remove the limestone material, where it will be hauled to a preparation plant to be washed and processed. Then the limestone will be stockpiled until sold and trucked to the purchaser. An existing access/haul road at the facility entrance will be utilized and extended into the pit as needed so that any potential sediment from the equipment and/or trucks leaving the facility grounds will be captured and contained within onsite and/or within the pit area. The limestone material will be excavated and placed in the back of dump trucks through the use of various different mobile equipment types including but not limited to: front end loaders, backhoes, and/or trackhoes. Additional BMPs will be implemented, constructed and/or installed along the entire permit boundary as needed to prevent any potential erosion and sedimentation from exiting the permitted area. All surface drainage and runoff from within the facility limits and/or the proposed mining areas will be diverted back into the excavation area (incised pit) and/or gravity drain back into the existing Sediment Basin 001E (Outfall 001E) or one of the proposed outfall/sedimentation ponds (Outfalls 002P-006P) to be recycled and used in the processing of the limestone material (if needed). Any potential surface water discharge from Outfall 001E, Outfall 002P, Outfall 005P or Outfall 006P would flow into an unnamed tributary (U.T.) to Cedar Creek. Furthermore, any surface water from Outfalls 003P or Outfall 004P would be discharged into either Painter Branch or an unnamed tributary (U.T.) to Painter Branch as shown on the attached NPDES Permit Map.

The Roll Rock Quarries LLC – Falkville Quarry facility primary entrance will be located at approximately 320 Akins Mountain Road in Falkville, Alabama. The facility will have approximately five (5) full-time employees but will employ sufficient personnel and operate at time intervals necessary to operate the facility efficiently based on the consumer demand of the material. However, when the facility is in operation there will typically be five (5) employees working at the limestone quarry with the anticipated hours of operation varying but normally be 7:00 a.m. to 5:00 p.m., Monday through Friday.

TOPOGRAPHIC MAP

The Project Area Map provides a topographic map for the site as found on the Hartselle and Somerville, Alabama U.S.G.S. 7-1/2 minute, Quadrangle map located within Morgan County, Alabama. The map shows the general layout of the limestone mining facility, proposed ADEM permit area, the facility sign location, drainage patterns, contour intervals, adjacent streams, and existing and proposed outfall locations.

PERMIT BOUNDARY

The permit boundary is clearly depicted on the attached NPDES Permit Map. Roll Rock project personnel will ensure that the ADEM NPDES permitted boundary is clearly identified in the field with a sufficient number of permanent boundary markers so that at least one marker is visible to the next. Roll Rock facility personnel will inspect (no less than yearly) the permit boundary to ensure the permanent boundary markers are in place and in good condition. Boundary markers that are missing or found to be in poor condition will be replaced.

SURFACE WATER DIVERSIONS

The enclosed topographic map shows the contour of the land and general drainage patterns. All surface drainage from all areas of ground disturbance within the permit boundary will be controlled and either gravity drain through natural drainage courses, be conveyed through means of pumping, and/or be re-routed through constructed diversion channels and/or berms into the open (incised) pit and/or to one of the existing or proposed permitted sediment basins/ponds (Outfalls). The incised pit/sump is designed so that all surface water runoff associated with the land disturbance of the mining area and the proposed permit area will stay within the excavated boundaries of the mining pit. If deemed necessary, incised pits and/or sumps will be constructed inside the mining area to capture surface runoff and will hold the runoff in order to allow for proper infiltration time back into the groundwater. The incised pits/sumps (if applicable) and the existing and proposed outfalls will be monitored to ensure that they continue to function as they were intended.

Any runoff from minor areas of disturbance onsite that is not directed towards the incised pits/ sumps, the existing Outfall 001E and/or one of the five (5) proposed outfall locations (Outfalls 002P–006P) will have effective Best Management Practices (BMP's) put in place and maintained until areas are vegetated with annual and perennial grasses and permanently stabilized. Furthermore, see the Appendix section for examples of practical BMP's and their proper installation. In the event that construction of a diversion ditch is deemed necessary, the diversion ditches will be constructed in accordance with the "Attached Diversion Ditch and Diversion Berm Design Criteria" & ADEM Admin. Code R.335-6-9, Appendix B.

RAW MATERIALS, PROCESSES, AND PRODUCTS

The only material anticipated to be mined at this facility is limestone. Processing and stockpiling of the limestone will occur within the permit area. The mining pits of the quarries will align in a northeast to southwest direction and advance to the southeast. All surface water runoff will be allowed to gravity drain into the open quarry pit. The water will be collected and stored within the pit, diverted via diversions and/or pumped directly into to either the existing Sediment Basin 001E and/or one of the five (5) proposed outfall locations (Outfalls 002P–006P) to be recycled and used in the processing of the limestone material.

Limestone will be processed onsite. The stone will be processed by crushing and screening to meet market demands. Silt will be the primary waste product generated by this mining and processing operation. The silt material will be transported to the previously mined area for proper disposal.

SCHEMATIC DIAGRAM

A schematic diagram of the waste cycle showing each process has been included as part of this Pollution Abatement & Prevention Plan.

POST TREATMENT QUANTITY AND QUALITY OF EFFLUENT

The only anticipated waste products produced at the limestone mine facility will be silts from excavation and/or processing operations. All stormwater runoff that falls within the proposed permit boundary should be graded in a manner that will force or direct any water onsite to flow into the pit area and/or into the one of the existing or proposed sediment basins (outfalls) where it will be collected. The stormwater that collects in the pit will temporarily suspend (trap) soil particles and allow for settling of the silts, which will allow the water to be filtered by natural processes during infiltration. Furthermore, any water diverted into or collected by the sediment basins or pumped into from the pit area will be allowed to either evaporate or slowly percolate back into the groundwater system. The silts will be trapped and settle when passing through the sediment basin. The sediment basin will be cleaned out as needed to provide adequate sediment retention volume for incoming materials. The sediment basin will be cleaned out when the capacity of said basin reaches sixty (60%) percent of their design capacity. The sediment basin will be cleaned out in an environmentally safe manner (loader, backhoe, etc.). Sediment removed from the sediment basin will be disposed of in the adjacent existing pit.

The pH, total iron, manganese, and concentrations of BOD, because of the nature of the operation, should pose no problem and should remain in compliance with the ADEM NPDES parameter requirements. In addition, the concentrations of iron, manganese, suspended solids, BOD, and pH levels are not expected to be affected from its natural occurrence by the proposed mining activities.

WASTE TREATMENT FACILITIES

Runoff associated with this facility will be treated by the natural processes of settling and the water percolating back into the groundwater system through the use of incised pits and/or sumps and by use of existing and proposed sedimentation ponds. As the mining area expands, new incised pits/sumps will be dug to accommodate the additional runoff and any existing incised pits/sumps that are no longer needed will be backfilled. There is one (1) existing sediment pond that previously served the Falkville Quarry mining operation. The Sediment Pond 001E was constructed and certified by Perc Engineering Co Inc. in 2004. Copies of the original design plans submitted to ADEM in 2004 are attached in Appendix E. These copies include Planview's, Cross-Sections, and Hydraulic Analysis. Perc Engineering Co Inc. performed a detailed design for the Sediment Pond 001E that provided a total volume capacity based on 11 disturbed acres of drainage flowing into the basin out of the total 24-acre basin drainage area. Therefore, the initial Sedimentation Pond 001E design plans will be modified and submitted to ADEM for approval prior to the disturbance of more than 11 acres as is covered under the current ADEM approved and P.E. certified Sediment Basin 001E design plans. The modification of the design plans for Sediment Pond 001E will provide at least 0.25 acre-feet of volume for every acre of disturbed drainage.

In addition, Sediment Basins 002P-006P have not been designed and/or constructed to date. However, the detailed design plans for these basins will be designed in accordance with ADEM regulations, submitted to ADEM for approval, and constructed/P.E. certified prior to any disturbance occurring within their respective drainage areas. The total capacity of the proposed sediment ponds will provide at least 0.25 acre-feet per acre of disturbed area located within the drainage area.

If the sediment volume of any pond approaches sixty (60%) percent of their design capacity, the pond will be cleaned out to restore the ponds to their original conditions. Once the sediment material has been properly removed/cleaned out from the ponds, it will be disposed of appropriately either by hauling it back to the mining area or by being transported off site to a permitted waste disposal facility. In addition, the implementation of additional BMP's will be installed on an "as needed basis" to assist in the treatment process of any surface water. The quantity & characteristics of the waste after treatment in terms of flow, pH, BOD, total iron and suspended solids should remain in compliance with the water quality requirements established in the NPDES permit at all times.

SEDIMENT CONTROL FOR HAUL ROADS AND INCIDENTALS

The existing haul road located within the current mining area will drain to the previously mined areas and/or to the Sedimentation Pond 001E. Furthermore, any haul roads, existing or created for this operation, will have a sustained grade of no greater than 10% with the outer slopes of the haul roads being no steeper than 2:1. In addition, the haul roads will be ditched and stabilized by planting a grass mixture suitable for seasonal conditions, as well as fertilizing and mulching all

cut, fill, and excavation (borrow) areas in order to minimize potential erosion and enhance re-stabilization. In small areas where incidental drainage cannot be diverted through the pit or sediment basin, silt fences and/or additional BMP devices will be constructed to control any surface runoff. The erosion control measures will be maintained and inspected regularly by Roll Rock personnel. If inspections reveal that additional erosion control measures are needed, then the onsite personnel will promptly implement and maintain the necessary sediment control measures. Silt fences will be constructed in accordance with the attached "Silt Fence Design and Construction Specifications" found in Appendix C of this PAP Plan. Any haul roads will be constructed in accordance with the attached “Primary Haul Road Design and Construction Specifications” found in Appendix D of this PAP Plan. In addition, if deemed necessary, stone will be placed at the mine entrance to prevent tracking onto the adjacent roadway.

LOCATION OF ADJACENT STREAMS

Included in the ADEM NPDES permit modification application and in this PAP Plan are two project/facility area maps (Scale: 1" = 2000’ & Scale: 1” = 500’) that shows the location of all the adjacent streams and the receiving waters of this operation. It is important to note that there will be no stream crossings associated with this mining operation.

In addition, Roll Rock personnel will provide and maintain at all times a minimum 50-foot undisturbed natural riparian buffer adjacent to and around all surface waters and waters of the State (if applicable). All storm water from the project site and the areas of mining will first be diverted back through the incised pits/sumps, existing or proposed sediment basins, silt fences, rock filter dams and/or additional BMP devices constructed on an “as needed basis” in order to control and provide treatment for any potential surface water discharges prior to reaching any potential natural riparian buffer zones. Furthermore, the erosion control measures will be maintained and inspected regularly by onsite personnel. If inspections reveal that additional erosion control measures are warranted, then they will be quickly implemented and maintained.

In review, all streams or waters of the State will be protected by a 50-foot minimum natural riparian buffer that will be supplemented by additional erosion and sediment controls (as deemed necessary), which will aid in the treatment of the stormwater by allowing for increased sediment removal and maximum stormwater infiltration. In addition to the surface water setbacks, a minimum 50-foot buffer zone/setback will be required from all contiguous landowner’s property boundaries. The stream and adjacent property buffer zones/setbacks will be clearly marked with either high visible flagging or some equivalent form of tape.

NON-POINT SOURCE DISCHARGE CONTROL

By virtue of the fact that all disturbed areas should be graded in such a manner as to route all drainage to the incised pits/sumps and/or the existing or proposed sediment basin outfalls, all drainage from within the Falkville Quarry facility extents should carry any potential sediment (silts, clays, etc.) into one of the six (6) proposed point source discharge outfalls. See the attached Sediment Basin Detail Design Plan for Sediment Basin 001 (Outfall 001E) found in Appendix E for reference. Furthermore, all sediment basins have been and/or will be designed and constructed in accordance with the attached "Sediment Basin Construction Specifications" and ADEM Admin. Code R.335-6-9, Appendix A. Non-point sources of pollution are not anticipated and should not result from this project. However, as stated earlier, any runoff from minor areas of disturbance on site that is not directed towards the incised quarry pit and/or sediment basin will have effective BMP measures put in place and maintained until the areas are permanently stabilized.

PUBLIC WATER SUPPLIES

This mining facility will not discharge to a stream segment classified as a Public Water Supply (PWS). The receiving waters from Outfall 001E, Outfall 002P, Outfall 005P or Outfall 006P is an unnamed tributary (U.T.) to Cedar Creek. Furthermore, any surface water from Outfalls 003P or Outfall 004P would be discharged into either Painter Branch or an unnamed tributary (U.T.) to Painter Branch as shown on the attached NPDES Permit Map.

SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN

Onsite above ground bulk storage tanks for petroleum products are proposed at the facility. Therefore, a Spill Prevention Control and Countermeasures (SPCC) Plan has been prepared and is being included as part of this permit modification application for reference.

PERMIT INSPECTIONS AND MAINTANENCE

All BMPs and erosion control features will be inspected by a facility employee a minimum of twice per month. All maintenance needs will be documented and immediately corrected with the necessary maintenance actions.

PESTICIDES, FERTILIZERS AND OTHER CHEMICALS

No pesticides, fertilizers and other chemicals will be used in wetland areas and/or near streams.

RECLAMATION PLAN

The Specifications and Guidelines for Roads and Ponds contained in the Appendix section of this Pollution Abatement & Prevention Plan includes the reclamation specifications as well as the construction specifications to be used if a decision is made to close the facility at some time in the future. As mining is competed in an area, the area shall be sloped & dressed to eliminate any piles of dirt or low areas which could hold water. The areas shall be terraced, topsoiled and permanently vegetated with an appropriate combination of grasses and fertilized and mulched to ensure a permanent diverse vegetative cover is achieved to keep erosion and sedimentation to a minimum. Disturbed areas without construction activity for more than 14 days should be temporarily seeded and fertilized. All stormwater from the reclamation area will be directed to drain to the incised quarry pit and/or one of the existing or proposed sedimentation basins (outfalls).

PROJECT LOCATION MAP

ROLL ROCK QUARRIES LLC
FALKVILLE QUARRY
NPDES PERMIT MAP

SECTION 31
TOWNSHIP 7 SOUTH, RANGE 3 WEST
SECTION 6
TOWNSHIP 8 SOUTH, RANGE 3 WEST
MORGAN COUNTY, ALABAMA
BASEMAP: HARTSELLE AND SOMERVILLE U.S.G.S QUADRANGLES

N

SCALE 1" = 2000'

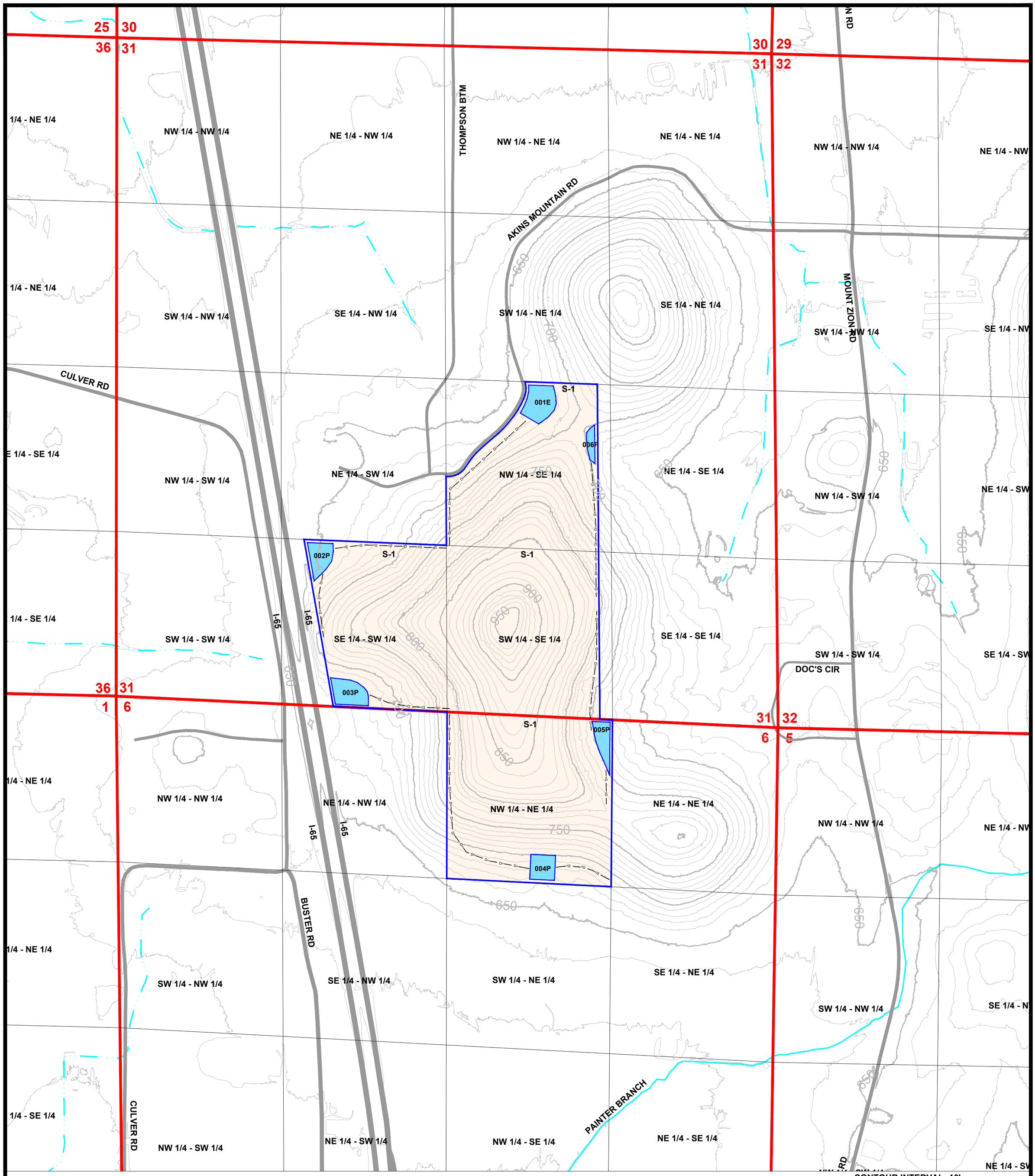
NPDES PERMIT BOUNDARY

001E SEDIMENT BASIN / OUTFALL

ONE MILE BOUNDARY

SJE
SIMMONS-JOHNSEY ENGINEERING, LLC
407 9th Ave.,Jasper AL, 35501
(205) 275-0689 (205) 522-2057

NPDES PERMIT MAP



OWNERSHIP

SURFACE

S-1 AUGUST ELTZ III

CONTOUR INTERVAL: 10'

SECTION 31
TOWNSHIP 7 SOUTH, RANGE 3 WEST
SECTION 6
TOWNSHIP 8 SOUTH, RANGE 3 WEST
MORGAN COUNTY, ALABAMA
BASEMAP: HARTSELLE AND SOMERVILLE U.S.G.S QUADRANGLES

MAP LEGEND

- NPDES PERMIT BOUNDARY
- SEDIMENT BASIN/OUTFALL (001E)
- SECTION LINE
- QUARTER-QUARTER LINE
- DRAINAGE DIVIDE
- PUBLIC ROAD
- DRAINAGE COURSE
- PERENNIAL STREAM

SJE
SIMMONS-JOHNSEY ENGINEERING, LLC
407 9th Ave., Jasper, AL 35501
(205) 275-0689 (205)522-2057

ROLL ROCK QUARRIES LLC

FALKVILLE QUARRY

NPDES PERMIT MAP
ADEM PERMIT NO. AL0067709

DATE:	APPROVED BY:	SCALE:	SHEET:
03/25/26	J.P.J.	1" = 500'	1 OF 1

APPENDIX A

SEDIMENT BASIN CONSTRUCTION SPECIFICATIONS

EMBANKMENT REQUIREMENTS

1. The minimum width of the top of the embankment shall be no less than twelve (12) feet.

2. The embankment will have a minimum front and back slope no steeper than 3 horizontal to 1 vertical.

3. The foundation area of the embankment will be cleared and grubbed of all organic matter with no surface slope steeper than 1 horizontal to 1 vertical. The entire wet area, as measured from the upstream toe of the embankment to the normal pool level, will be cleared of trees and large brush.

4. A core will be constructed in a cutoff trench along the centerline of the embankment. The cutoff trench will be of suitable depth and width to attain relatively impervious material. The material placed in the core will be compacted to ninety-five (95%) percent of the standard proctor density, as set forth in ASTM.

5. The embankment construction material will be free of sod, roots, stumps, rocks, etc., which exceed six (6") inches in diameter. The embankment material will be placed in layers of twelve (12") inches or less and compacted to ninety-five (95%) percent of the standard proctor density, as set forth in ASTM.

6. The embankment, foundation and abutments will be designed and constructed to be stable under normal construction and operating conditions, with a minimum static safety factor of 1.5 and a minimum seismic safety factor of 1.2 at normal pool level with steady seepage saturation conditions.

7. The actual constructed height of the embankment will be a minimum of five (5%) percent higher than the design height to allow for settling over the life of the embankment.

8. The design embankment height for all basins will be a minimum of 1.5' feet above the maximum water level anticipated from the 25 Year-24 Hour precipitation event.

9. For embankments constructed as point source discharges, the embankment will be constructed and keyed into undisturbed, virgin, ground if at all possible. In the event that this cannot be achieved, additional design and construction specifications will be submitted in the detailed design plans.

10. The embankment and all areas disturbed in the construction of the embankment will be seeded with a mixture of perennial and annual grasses, fertilized and mulched to prevent erosion and ensure re-stabilization. Hay dams, silt fences, rock check dams, etc. will be installed, where deemed necessary, as additional erosion prevention methods.

DISCHARGE STRUCTURE REQUIREMENTS

11. The primary spillway will be designed to adequately carry the anticipated peak runoff from the 25 Year - 24 Hour precipitation event. The combination primary and secondary (emergency) spillway system will be designed to safely carry the anticipated peak runoff from a 25 Year - 24 Hour precipitation event. When sediment basins are proposed in the drainage course of a public water supply, the spillway system will be designed and constructed to adequately carry the runoff from the 50 Year - 24 Hour precipitation event. The emergency spillway in the control section will be at least 20 feet in length; the side slopes will be no steeper than 2:1, and the percent slope form the entrance to the exit section of the emergency spillway will be no greater than that stated in the design plans.

12. Channel linings, for secondary (emergency) spillways will be a mixture of both annual and perennial grasses being predominantly fescue and Bermuda. Channel linings, for single (primary) channel spillway systems, will be rip-rap or concrete.

13. When consisting of pipe, the primary spillway will be installed according to Class "C" pipe installation for embankment bedding. Where exposed above ground along the backslope of the embankment, the pipe will have an anti-seep collar installed at each joint of the discharge pipe to radiate at least two (2) feet from the pipe in all directions.

14. Sediment basins with a single spillway system, such as a skimmer board, will be a trapezoidal open channel constructed in consolidated, nonerodable material and lined with rip-rap, concrete, asphalt or durable rock (See Detailed Design Plans for Spillway Lining).

15. The primary spillway will be designed and constructed with device to eliminate floating solids from leaving the impoundment. This device will consist of a turned down elbow when using pipe or a skimmer system when using an open channel spillway.

16. When necessary, to prevent erosion of the embankment or discharge area, a splash pad of rip-rap, durable rock, sacrete, etc. will be installed at the discharge end of the primary spillway.

17. The combined spillway systems, for sediment basins constructed in series, will be designed to adequately accommodate the entire drainage area.

INSPECTION, MAINTENANCE AND CERTIFICATION REQUIREMENTS

18. Inspections will be conducted regularly during construction of the sediment basin by a qualified registered professional engineer or other qualified person under the direction of a professional engineer. Upon completion of construction, the sediment basin will be certified, by a qualified registered professional engineer, to the Regulatory Authority as having been constructed in accordance with the approved detailed design plans.

19. Sediment basins will be inspected semi-monthly for erosion, instability, etc., with maintenance performed as necessary, until the removal of the structure or an NPDES Permit is no longer required.

20. Sediment basins will be examined quarterly for structural weakness, instability, erosion, slope failure, or other hazardous conditions with maintenance performed as necessary.

21. Standard anticipated maintenance will include repairing rills and gullies, repairing slope failures, re-seeding areas of failed or scarce vegetation, cleaning out or removing debris obstructing pipes and/or spillways to allow proper functioning, etc. Standard maintenance discovered during the periodic inspections will be performed immediately. Hazardous conditions observed during inspections will be reported immediately to the Regulatory Authority for further consultation or instructions.

22. Retained sediment will be removed from each sediment basin when the accumulated sediment reaches sixty (60%) percent of its design capacity.

BASIN REMOVAL REQUIREMENTS

23. Upon completion of mining, reclamation, re-stabilization and effluent standards being met, The operator will submit to ADEM a request in writing to abandon, remove, or permanently leave the sediment basin(s) and measures that will be taken to comply with applicable ADEM regulations.

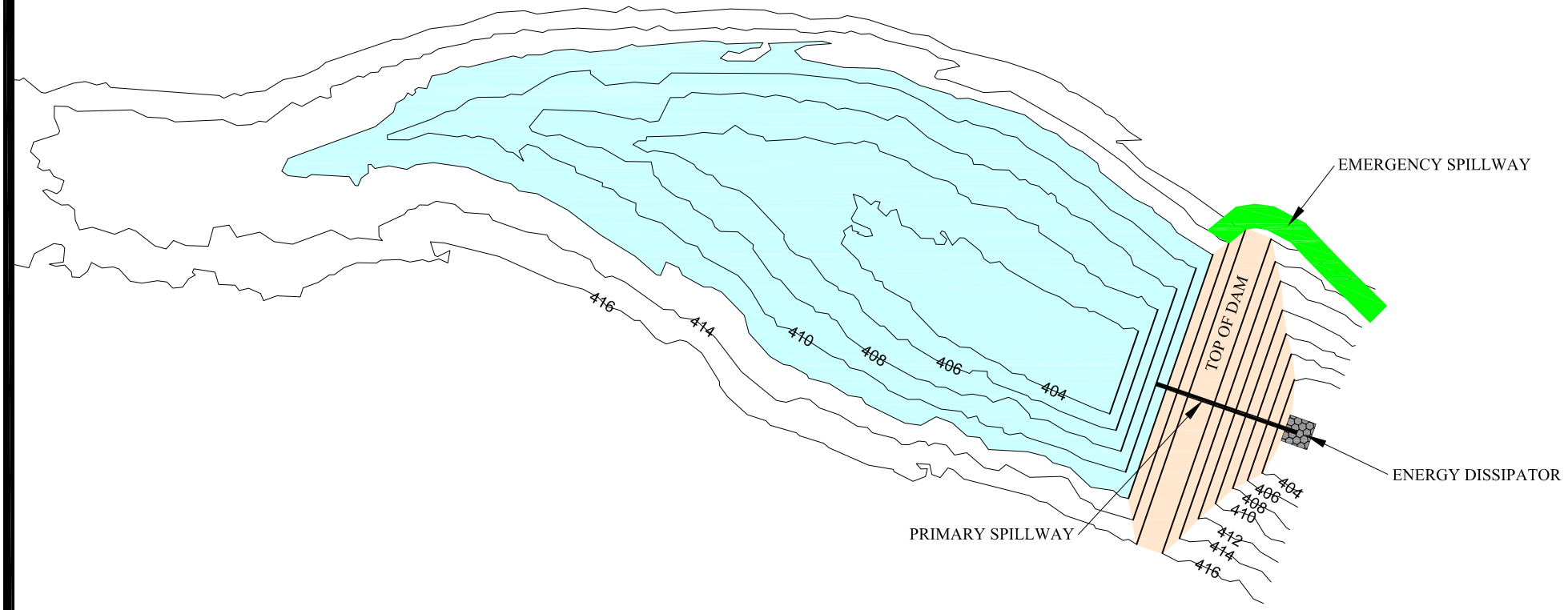
24. Once the operator has received approval from ADEM, each sediment basin not proposed as permanent will be de-watered in a controlled manner by either pumping or siphoning. Upon successful dewatering, a determination will be made as to the retained sediment level in the basin. After determining the retained sediment level, a channel will be cut into the embankment down to the retained sediment level on the side of the embankment deemed most suitable to reach natural ground without encountering prohibited rock. The embankment material removed from this newly constructed channel will be spread and compacted over the previous impoundment (pool area) to prevent erosion and ensure re-stabilization. The newly constructed channel will be of adequate width (minimum 30 feet) and sloped to a grade which will cause all surface drainage to travel across the channel in sheet flow, minimizing the possibility of erosion. Where necessary, hay dams will be installed in strategic locations across the width of the channel to retain sediment and slow the water velocity. Upon removal of the embankment section, all disturbed areas will be graded in such a manner to ensure slope stability, successful re-stabilization and to minimize erosion. All disturbed areas will be seeded with a mixture of annual and perennial grasses, fertilized and mulched. No slope, existing or created in the removal of the sediment basin, will be left on a grade that will slip or slough.

PERMANENT WATER IMPOUNDMENT REQUIREMENTS

25. All sediment basins remaining as permanent water impoundments will have supplemental data submitted to the Regulatory Authority concerning water quality, water quantity, size, depth, configuration, post-mining land use, etc.

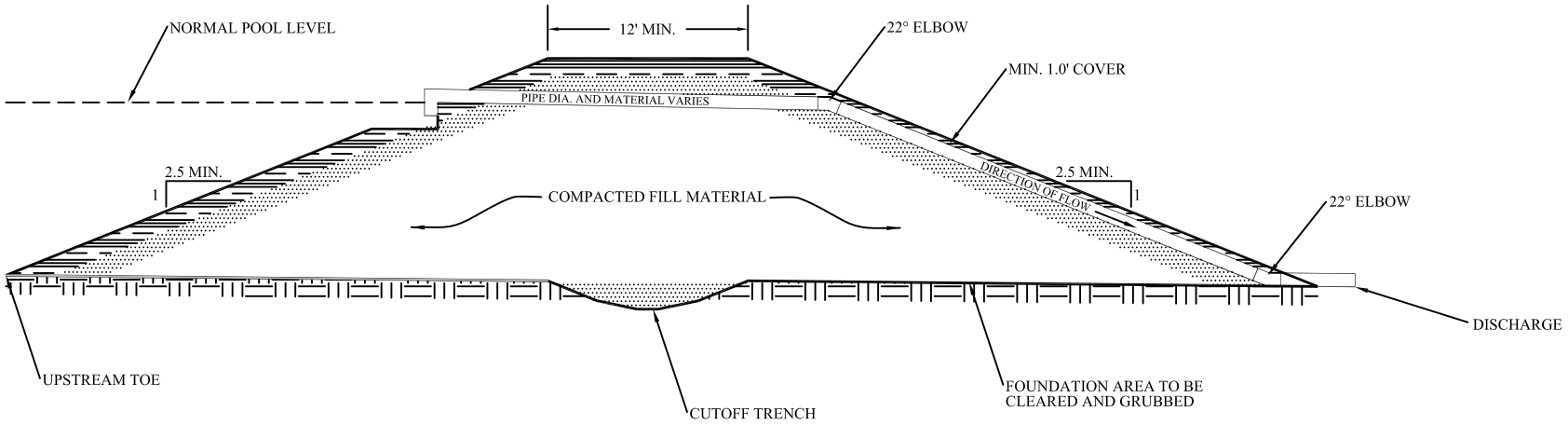
26. Final graded slopes of the entire permanent water impoundment area will not exceed a slope of 2 Horizontal to 1 Vertical to provide for safety and access for future water users.

TYPICAL SEDIMENT BASIN PLANVIEW DRAWING

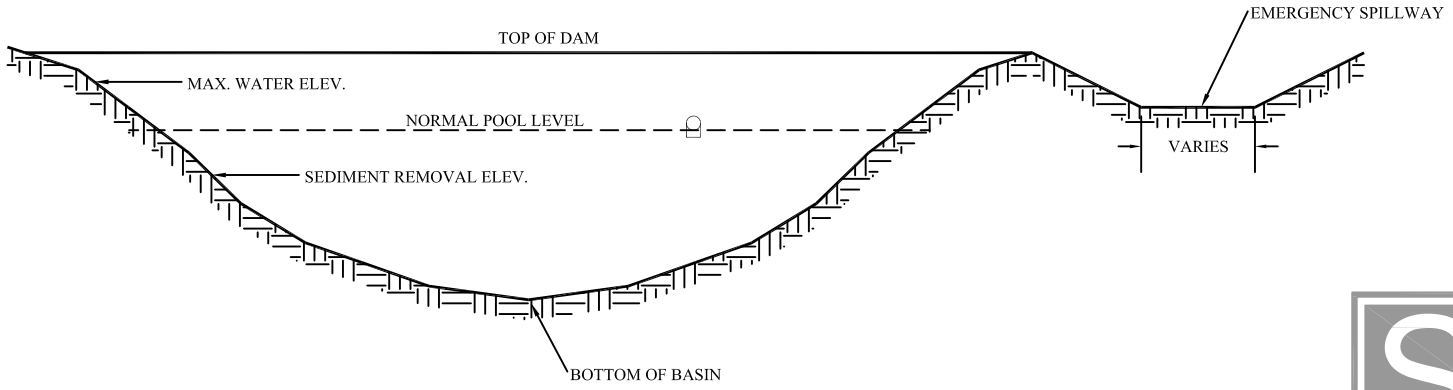


SJE
SIMMONS-JOHNSEY ENGINEERING, LLC

TYPICAL EMBANKMENT CROSS-SECTION

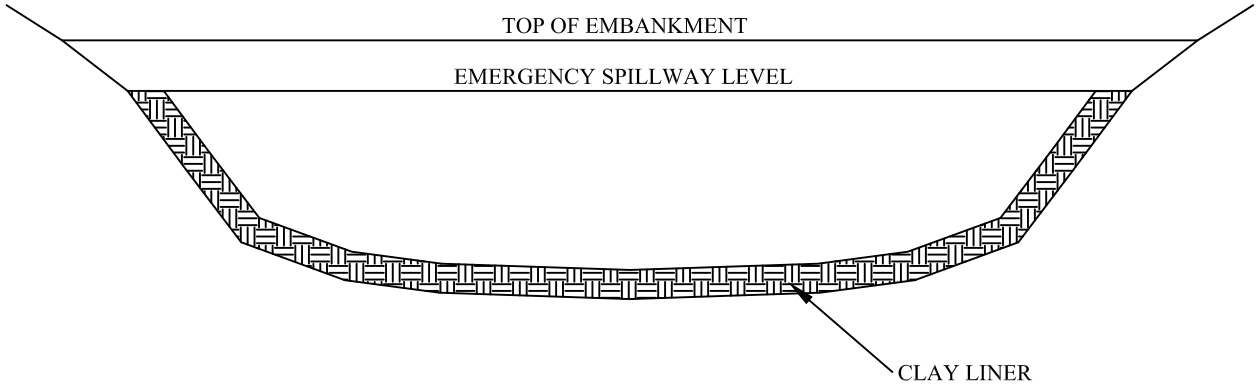


TYPICAL EMBANKMENT DETAIL



SJE
SIMMONS-JOHNSEY ENGINEERING, LLC

TYPICAL IMPOUNDMENT
CLAY LINER CROSS SECTION



THE POOL AREA OF THE BASIN SHALL BE LINED WITH A MINIMUM ONE (1') FOOT OF CLAY MATERIAL UP TO THE EMERGENCY SPILLWAY ELEVATION. THE CLAY LINER MATERIAL SHALL BE PLACED IN LIFTS NO GREATER THAN SIX (6") INCHES AND COMPACTED TO NINETY-FIVE (95) PERCENT OF THE STANDARD PROCTOR DENSITY.

SJE
SIMMONS-JOHNSEY ENGINEERING, LLC

APPENDIX B

DIVERSION DITCH AND DIVERSION BERMS DESIGN AND CONSTRUCTION SPECIFICATIONS

1. Temporary diversions will be designed and constructed to adequately carry the runoff from a 2 Year – 6 Hour precipitation event.

2. Permanent diversions will be designed and constructed to adequately carry the runoff from a 10 Year – 6 Hour precipitation event.

3. Permanent diversions will be designed and constructed with gently sloping banks stabilized with appropriate vegetation.

4. All diversions will be designed, constructed and maintained, using the best technology currently available, whereas additional contribution of suspended solids to stream-flow and to runoff outside the permit area is prevented.

5. Maintenance of appropriate gradient, channel lining, revegetation, roughness structures, detention basins, etc. will be used, when necessary, as sediment control measures for these diversions.

6. Diversions will not be constructed on existing landslides nor be located so as to increase the potential for landslides.

7. Temporary diversions will be removed and the affected area regraded, topsoiled (if required) and revegetated when no longer needed.

8. Channel linings, for diversions with slopes five (5%) percent or less, will consist of a mixture of both annual and perennial grasses being predominantly fescue and bermuda. Channel linings, for diversions with slopes greater than five (5%) percent, will consist of Rip-Rap or other non-erodible material or cut into non-erodible material.

9. Adequate freeboard will be provided for protection for transition of flows and critical areas such as swales and curves along the entire diversion length.

10. At discharge points, where diversions intersect with natural streams or exit velocities of the diversion are greater than that of the receiving streams, energy dissipaters will be installed when deemed necessary.

11. Excess material excavated in the construction of the diversion, not needed for diversion channel geometry or the re-grading of the channel; will be disposed of in the mining pit.

12. Diversions will not be designed or constructed to divert water into underground mines without written approval from the Regulatory Authority.

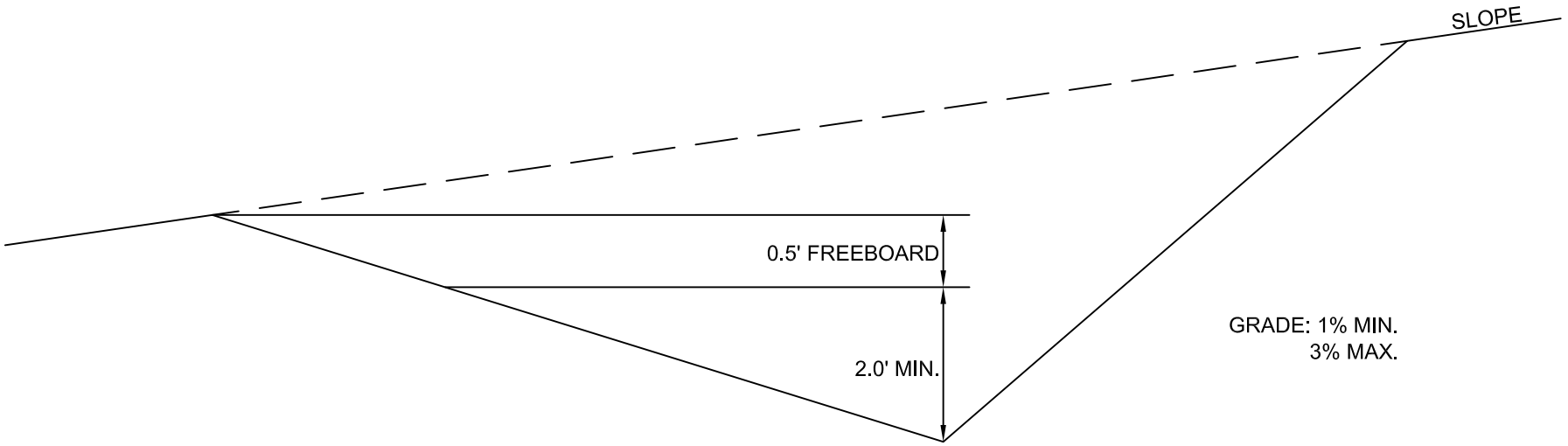
13. The entire area in which a diversion berm is proposed will be cleared and grubbed of all organic material, scarified, and no surface slopes will be left steeper than 1V:1H.

14. Diversion berms will be constructed with desirable material, free of sod, stones, roots, limbs, etc. over six (6") inches in diameter. This material will be spread in layers no greater than twelve (12") inches in thickness and compacted to ninety five (95%) percent of the standard proctor density, as outlined in ASTM, until the design height is reached.

15. Upon completion of construction of diversion ditches or diversion berms, all disturbed areas will be seeded with a mixture of both annual and perennial grasses, fertilized, and mulched in order to minimize erosion and ensure re-stabilization.

16. All diversions (berms or ditches) will be examined quarterly for erosion, instability, structural weakness, or other hazardous conditions and maintenance performed as necessary.

TYPICAL DIVERSION DITCH CROSS-SECTION



DRAINAGE DITCH TO BE LINED WITH GRASS MIXTURE, PREDOMINATELY BERMUDA AND FESCUE GRASSES.

SJE
SIMMONS-JOHNSEY ENGINEERING, LLC

APPENDIX C

SILT FENCE DESIGN AND CONSTRUCTION SPECIFICATIONS

1. Mesh height - 3'0" including 6" trench flap.

2. Prefabricated with 4 1/2" long treated hardwood stakes spaced on 7'7" centers.

3. Mesh opening - Equivalent Opening Size (E.O.S.) by U.S. Standard sieve measure (ASTM D4751-87) is 20-30 mesh.

4. Allowable Flow Rate - 40 gallon per minute per square foot (Test Method CFMC GET-2).

5. Maximum Particle Size Passing - 0.595 millimeter.

6. Mullein Burst Strength - 210 pounds per square inch (ASTM D- 3786-80).

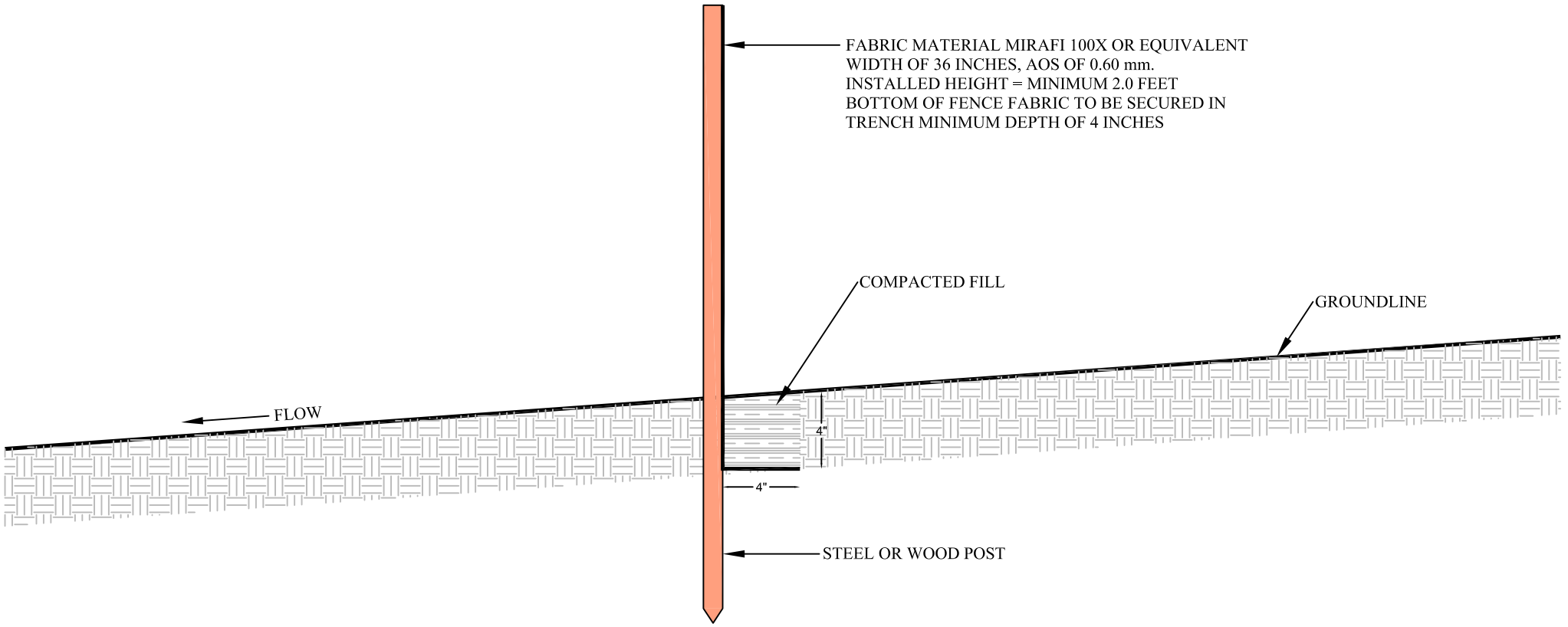
7. Grab Strength - 120 pounds per square inch.

8. Maximum Elongation - 30 percent (ASTM D-1682-64).

9. The silt fence will be installed by initially cutting a trench approximately six (6") inches wide by six (6") inches deep, along the contour for the entire length of the fence. Upon completion of the trench, the silt fence will be stretched along side the trench with the treated hardwood stakes being driven into the ground approximately two (2') feet deep against the upper wall of the trench. The six (6") inch trench flap will then be laid along the bottom of the trench and covered with compacted fill material. (See Attached Typical Section)

10. Prior to the removal of the silt fence, any silt or sediment retained by the silt fence will be seeded with a mixture of both annual and perennial grasses, fertilized and mulched.

TYPICAL SILT FENCE LAYOUT



SJE
SIMMONS-JOHNSEY
ENGINEERING, LLC

APPENDIX D

PRIMARY HAUL ROAD DESIGN AND CONSTRUCTION SPECIFICATIONS

LOCATION

1. Primary roads will be located on ridges or high areas or on the most stable available slopes so as to control and prevent erosion, siltation, flooding, and adverse impacts to fish and wildlife, or their habitat and related environmental values, to the extent possible.

2. No part of any primary road will be located in the channel of an intermittent or perennial stream without written approval from the Regulatory Authority.

3. If at all possible, all primary roads will be located upstream of sediment basins to prevent, control and minimize additional contributions of suspended solids to stream flow or runoff outside the permit area, the violation of applicable State or Federal water quality standards, seriously altering the normal flow of water in stream-beds or drainage channels, and damage to all public or private property.

4. In instances where it is not possible to locate primary roads in the above manner, sediment control will be achieved by the use of silt fences, rock check embankments, hay bale berms, etc.

DESIGN REQUIREMENTS

5. Primary roads will be designed by or under the direct supervision of a qualified registered Professional Engineer experienced in the design and construction of roads, in accordance with the ADEM rules and regulations, and current, prudent engineering practices. No Primary Road grade will be steeper than fifteen (15) percent.

6. All primary roadway embankments will be designed and constructed to be stable under normal construction and operating conditions, with a minimum static safety factor of 1.3.

7. All primary roads will be designed, constructed, reconstructed and maintained to have adequate drainage control structures to safely pass the peak runoff anticipated from a 10 year, 6 hour precipitation event.

CONSTRUCTION REQUIREMENTS

8. The foundation area of the roadbed will be cleared and grubbed of all organic material and the topsoil will be removed. The disturbed area will be kept to the minimum necessary to accommodate the roadbed and/or associated drainage ditch construction.

9. The road construction material will be suitable subgrade material, free of sod, roots, stumps, etc., and will not contain rocks which exceed twelve (12) inches in diameter. The road construction material will be placed in layers (12 inch maximum thickness) and compacted to ninety five (95%) percent of the standard proctor density, as set forth in ASTM.

10. The minimum top width of primary roads will under no circumstance be less than sixteen (16) feet and will be of maximum width necessary to facilitate the largest equipment using the road.

11. All slopes (cut and fill) will be no steeper than 2 horizontal to 1 vertical, unless specified otherwise in the detailed design.

12. Roadbeds will be cut into consolidated, non-erodible material or will be surfaced with durable, non- toxic, non-acid forming material. In most instances, durable sandstone overburden material from the mine site will be used for surfacing material. In instances where durable sandstone overburden material from the site is not available or suitable, then durable, non-toxic, non-acid forming material, such as chert, crushed limestone, redrock, and/or crushed sandstone will be hauled in from off site, as approved by the Regulatory Authority and be placed and compacted on the roadbed surface a minimum depth of four (4) inches.

13. Primary roads will be constructed with grades no steeper than fifteen (15) percent for no more than 300’.

DRAINAGE AND SEDIMENT CONTROL REQUIREMENTS

14. Primary roads will be constructed, reconstructed, and maintained to have adequate drainage control, using structures such as, but not limited to bridges, culverts, drainage pipes, ditches, cross drains, and ditch relief drains designed to safely pass the peak runoff anticipated from a 10 year, 6 hour precipitation event. All drainage control structures will be designed and constructed in such a manner whereas, to allow a free and operating condition to prevent, control, and minimize erosion at the inlets and outlets.

15. Culverts and drainage pipes will be designed and installed to provide adequate support for the load of the largest equipment using the road. For design purposes, "H-20" (live load + impact) was used. All culverts or drainage pipes with diameters of forty-eight (48) inches or less will be covered with a minimum of one (1) foot and the maximum cover will not exceed fifty-seven (57) feet of desirable compacted material. All culverts or drainage pipes with diameters greater than forty- eight (48)

inches will be covered with a minimum of two (2) feet and the maximum cover will not exceed forty-one (41) feet of desirable compacted material.

16. Culverts and drainage pipes will be designed and installed to allow adequate freeboard to prevent overtopping of the embankment.

17. Drainage ditches, cross drains, and ditch relief drains will be constructed and maintained to prevent uncontrolled surface drainage over the road surface and roadway embankment.

18. Drainage ditches will be constructed with no sustained grades greater than five (5%) percent, unless unavoidable. If ditches must be constructed with grades in excess of five (5%) percent, drainage ditches will be lined with riprap.

19. Sediment control will be achieved by the use of silt fences, rock check embankments, hay bale berms, etc. in strategic locations, to prevent excessive siltation to the receiving streams.

20. Upon completion of construction of all roads, the side slopes of the roadway cut and fill sections, including all borrow areas formed in the construction, areas used for disposal of excess material, ditches, etc. will be seeded with a mixture of perennial and annual grasses, fertilized and mulched to prevent erosion and ensure restabilization. Grass mixtures will include, but not be limited to, fescue, bermuda, rye grass, browntop millet, clover and sericea.

INSPECTION AND MAINTENANCE REQUIREMENTS

21. Routine inspections and maintenance (such as regrading, resurfacing, maintenance of sediment control structures, spot replanting, and dust control) will be conducted regularly during the life of each road to assure that each road continually meets design and performance standards.

22. Dust control will be achieved by the periodic application of water, chemical binders and/or other dust suppressants.

23. Any road damaged by a catastrophic event, such as a flood, or earthquake, will be repaired as soon as it is practicable after the damage has occurred.

REMOVAL AND RECLAMATION REQUIREMENTS

25. All primary roads which are not mined through and remain after the completion of mining may be left as permanent roads for landowner access, if there is no opposition by said landowner.

26. All primary roads which are not mined through and remain after the completion of mining which are not to be retained as permanent for landowner access will be removed and reclaimed in accordance with the approved grading and reclamation plans as soon as practicable after it is no longer needed for mining and reclamation purposes. This removal and reclamation will include:

A. Closing the road to traffic;

B. Removing all bridges, culverts, drainage pipes, and other drainage control structures, unless otherwise approved as part of the post mining land use;

C. Removing and/or otherwise disposing of road surfacing materials, that are not compatible with the post mining land use and revegetation requirements, onsite or removed and stored for re-use;

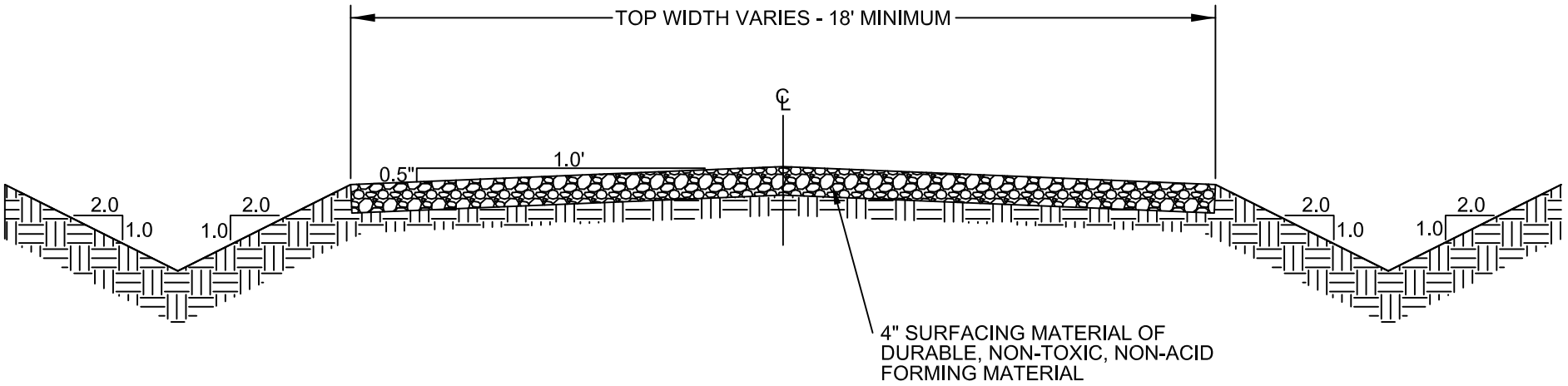
D. Reshaping and regrading cut and fill slopes as necessary to be compatible with the post mining land use and to compliment the natural drainage pattern of the surrounding terrain;

E. Protecting the natural drainage patterns by installing dikes or cross drains as necessary to control surface runoff and erosion;

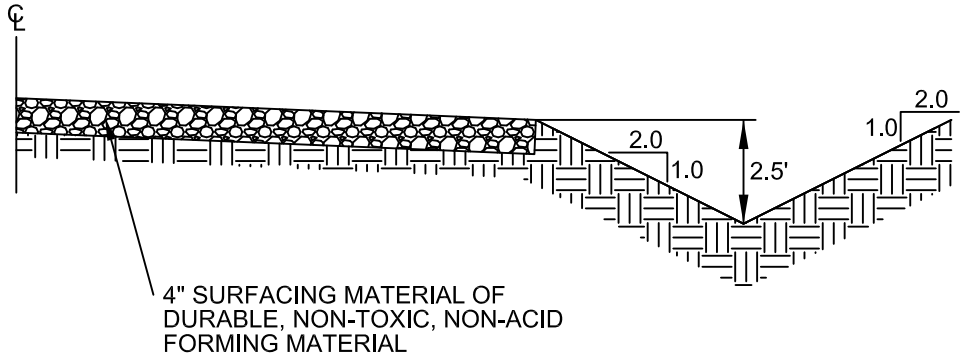
TYPICAL ROADBED CONFIGURATION

See attached typical primary road drawing for an illustration of the typical roadbed configurations.

TYPICAL PRIMARY ROAD CROSS-SECTION



TYPICAL PRIMARY ROAD
DRAINAGE DITCH CROSS-SECTION



DRAINAGE DITCH TO BE LINED WITH GRASS MIXTURE

- MINIMUM GRADE: 0.5%
- MAXIMUM GRADE: 10%
- MINIMUM DRY FREEBOARD: 0.5'
- MAXIMUM FLOW DEPTH: 2.0'

SJE
SIMMONS-JOHNSEY
ENGINEERING, LLC

APPENDIX E

POND DESIGNS

Jim Gipson
Faulkville Quarry
Outfall 001E

6.5 Inches, 25 Year-24 Hour, DRN 58

SRI

ENGINEERING DATA SUMMARY

Design of the sedimentation ponds and appurtenances.

1) Drainage Areas:

Pond	Permitted Area	Drainage Area
001E	11 Acres	24 Acres

2) Rainfall Frequency:

From TP-40 Rainfall Atlas of the United States:
25 yr. - 24 hr. precipitation = 6.5 inches

3) Curve Number, CN Factor:

For disturbed areas, a hydrological soil group class of B has been assumed - from Table 2.2, Pg 82 of Applied Hydrology and Sedimentology for Disturbed Areas it was determined to use a CN value of 81 based on the cultivated land without conservation treatment listing and soil group B. This CN factor will be used for all disturbed areas. For undisturbed areas, a hydrological soil group class of B has been assumed - from Table 2.2, Pg 82 of Applied Hydrology and Sedimentology for Disturbed Areas it was determined to use a CN value of 65 based on the woodland listing and soil group B. This CN factor will be used for all undisturbed areas.

4) Estimated Pre Treatment Quantity of Effluent:

From the SEDCAD design model produced by PERC Engineering Co., Inc., the peak discharge for the areas above the pond for a 25 yr. - 24 hr. storms are as follows:

Pond	25 yr. - 24 hr. Discharge
001E	27.7 cfs

5) Estimated Post Treatment Quantity of Effluent:

The peak discharges from the ponds as determined by the SEDCAD design model produced by PERC Engineering Co., Inc. for a 25 yr. - 24 hr. storms are as follows:

Pond	25 yr. - 24 hr. Discharge
001E	12.6 cfs

6) Sediment Storage Design:

Design of the sediment ponds will be based on the SEDCAD design model report prepared by PERC Engineering Co., Inc., and supplementing the requirements of the ADEM Rules and Regulations.

A) Required sediment storage = 0.25 Ac-Ft per acre of disturbed permitted land. As stated within Section VI of the Pollution Abatement Plan, all surface water runoff from development disturbances will be allowed to drain to the open quarry pit. The water will be collected and stored within the open pit and directly to Outfall 001E. With this in mind, the minimum total storage as shown below is based on the fact that a maximum of 11 acres of disturbed permitted area will be routed directly to Outfall 001E directly without first passing through the open quarry pit.

Pond	Minimum Total Storage	Primary Spillway Elevation
001E	3.5 Ac-ft	676

B) Pond Geometry:

See the Planview Drawing.

C) Elevation & Type of Spillway:

See the Planview Drawing and Pond Design Sheet.

D) Elevation points where sedimentation accumulation approaches 60% of design capacity are as follows:

Pond	Sediment Volume	Sediment Removal Level Elevation
001E	2.2 Ac-ft	674

E) Design Evaluations:

See Pond Design Sheet.

6) Estimated Post Treatment Quality of Effluent:

Estimated Post Treatment Quality of Effluent is based on the average discharge determined using USGS WRI Open File Report 81-59, A Method of Estimating Average Streamflow and Headwater Limits in U. S. Army Corps of Engineers, Mobile District, Alabama and Adjacent States.

Outfall No.	Avg. Daily Flow CFS	Avg. Daily Total Suspended Solids lb/day	Avg. Daily Total Iron lb/day	Avg. Daily Manganese lb/day	Avg. Daily pH s.u.
001E	0.053	1.0	0.11	0.03	7.7

General Information

Storm Information:

Storm Type:	DRN58
Design Storm:	25 yr - 24 hr
Rainfall Depth:	6.500 inches

Structure Networking:

Type	Stru #	(flows into)	Stru #	Musk. K (hrs)	Musk. X	Description
Pond	#1	-->	End	0.000	0.000	Outfall 001E



Structure Summary:

		Immediate Contributing Area (ac)	Total Contributing Area (ac)	Peak Discharge (cfs)	Total Runoff Volume (ac-ft)
#1	In	24.000	24.000	27.69	7.11
	Out			12.62	7.11

Structure Detail:

Structure #1 (Pond)

Outfall 001E

Pond Inputs:

Initial Pool Elev:	676.00
Initial Pool:	3.50 ac-ft

Straight Pipe

Barrel Diameter (in)	Barrel Length (ft)	Barrel Slope (%)	Manning's n	Spillway Elev	Entrance Loss Coefficient	Tailwater Depth (ft)
18.00	100.00	1.00	0.0240	676.00	0.90	0.00

Emergency Spillway

Spillway Elev	Crest Length (ft)	Left Sideslope	Right Sideslope	Bottom Width (ft)
678.00	20.00	2.00:1	2.00:1	16.00

Pond Results:

Peak Elevation:	678.53
Dewater Time:	1.02 days

Dewatering time is calculated from peak stage to lowest spillway

Elevation-Capacity-Discharge Table

Elevation	Area (ac)	Capacity (ac-ft)	Discharge (cfs)	Dewater Time (hrs)
668.00	0.220	0.000	0.000	
668.50	0.242	0.115	0.000	
669.00	0.265	0.242	0.000	
669.50	0.289	0.381	0.000	
670.00	0.315	0.532	0.000	
670.50	0.341	0.696	0.000	
671.00	0.368	0.873	0.000	
671.50	0.397	1.064	0.000	
672.00	0.426	1.270	0.000	
672.50	0.457	1.491	0.000	

Elevation	Area (ac)	Capacity (ac-ft)	Discharge (cfs)	Dewater Time (hrs)	
673.00	0.488	1.727	0.000		
673.50	0.521	1.979	0.000		
674.00	0.555	2.248	0.000		
674.50	0.589	2.534	0.000		
675.00	0.625	2.838	0.000		
675.50	0.662	3.159	0.000		
676.00	0.700	3.500	0.000		Spillway #1
676.50	0.760	3.865	2.377	11.45	
677.00	0.823	4.260	2.968	2.95	
677.50	0.888	4.688	5.097	4.85	
678.00	0.955	5.148	6.525	2.50	Spillway #2
678.50	1.025	5.643	10.323	2.25	
678.53	1.031	5.676	12.616	0.40	Peak Stage
679.00	1.098	6.174	47.434		
679.50	1.173	6.741	90.242		
680.00	1.250	7.347	147.232		

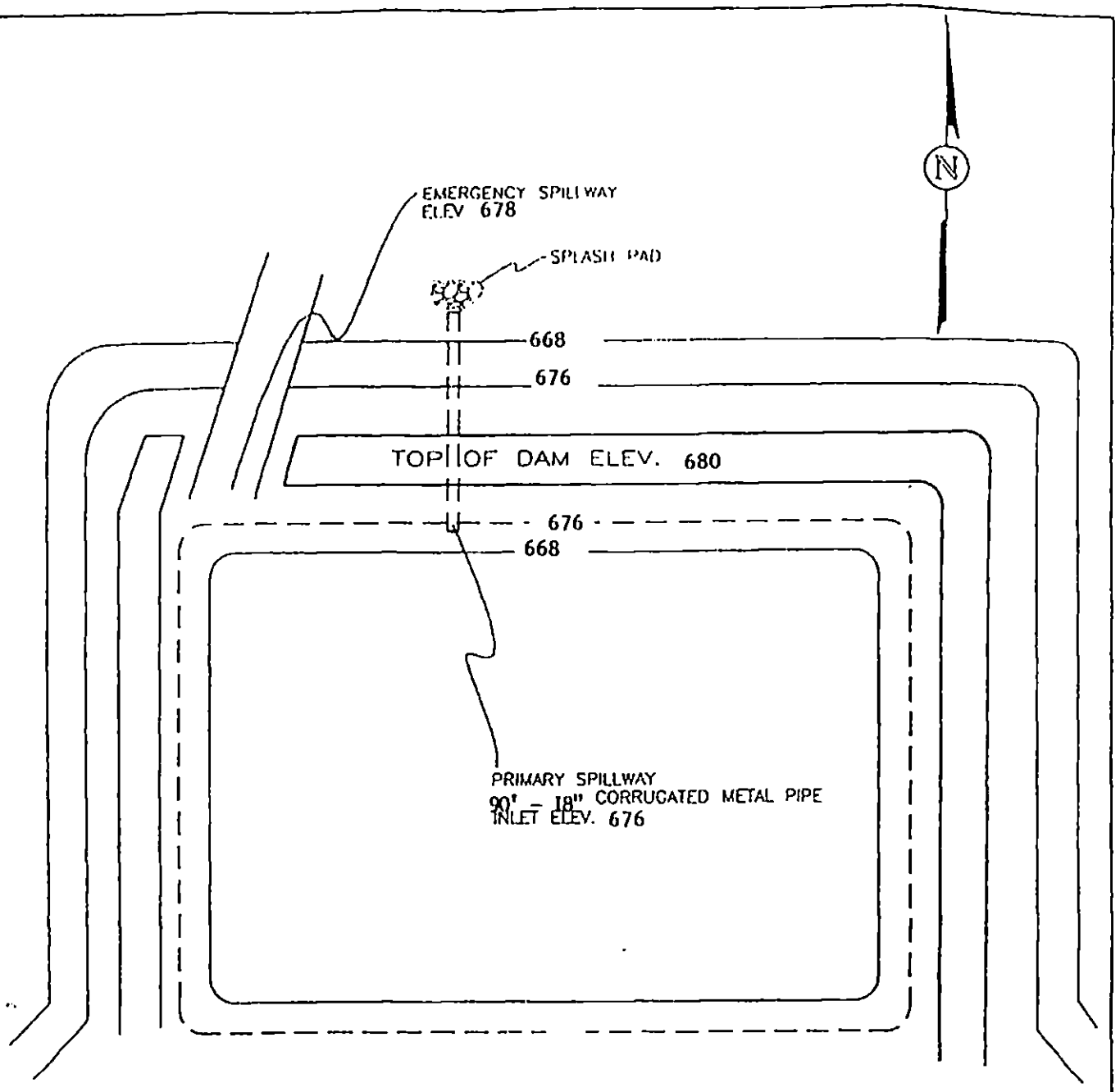
Detailed Discharge Table

Elevation	Straight Pipe (cfs)	Emergency Spillway (cfs)	Combined Total Discharge (cfs)
668.00	0.000	0.000	0.000
668.50	0.000	0.000	0.000
669.00	0.000	0.000	0.000
669.50	0.000	0.000	0.000
670.00	0.000	0.000	0.000
670.50	0.000	0.000	0.000
671.00	0.000	0.000	0.000
671.50	0.000	0.000	0.000
672.00	0.000	0.000	0.000
672.50	0.000	0.000	0.000
673.00	0.000	0.000	0.000
673.50	0.000	0.000	0.000
674.00	0.000	0.000	0.000
674.50	0.000	0.000	0.000
675.00	0.000	0.000	0.000
675.50	0.000	0.000	0.000
676.00	0.000	0.000	0.000
676.50	(1)>2.377	0.000	2.377

Elevation	Straight Pipe (cfs)	Emergency Spillway (cfs)	Combined Total Discharge (cfs)
677.00	(1)>2.968	0.000	2.968
677.50	(1)>5.097	0.000	5.097
678.00	(6)>6.525	0.000	6.525
678.50	(6)>7.416	2.907	10.323
679.00	(6)>8.203	39.231	47.434
679.50	(6)>8.928	81.314	90.242
680.00	(6)>9.608	137.624	147.232

Subwatershed Hydrology Detail:

Stru #	SWS #	SWS Area (ac)	Time of Conc (hrs)	Musk K (hrs)	Musk X	Curve Number	UHS	Peak Discharge (cfs)	Runoff Volume (ac-ft)
#1	1	13.000	0.095	0.135	0.295	65.000	S	12.96	2.948
	2	10.000	0.135	0.000	0.000	81.000	F	13.63	3.618
	3	1.000	0.000	0.000	0.000	100.000	F	1.70	0.542
	Σ	**24.000**						**27.69**	**7.108**



NORMAL POOL LEVEL
ELEV. 676

PERC
ENGINEERING CO. INC.

JIM GIPSON D.B.A. FAULKVILLE QUARRY
FAULKVILLE QUARRY
NPDES PERMIT NUMBER AL0067709
OUTFALL 001E
PLANVIEW

DRAWN BY: D.D.B. DWG. NAME: BSM002P2	DATE: 1-9-04
APPROVED BY: S.R.I.	SCALE: 1" = 30'

Notes:

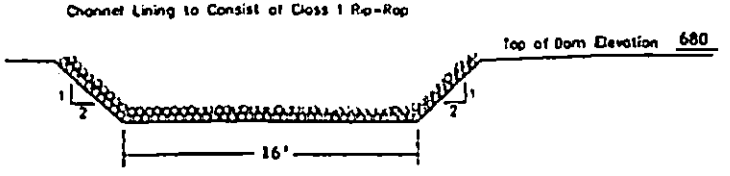
1. The sediment shall be removed from the basin when the accumulated sediment reaches the sediment storage volume
2. Outer slopes of embankment shall be grassed
3. Fill material shall be placed in 12" lifts and compacted to 95% of standard proctor
4. The surface beneath the embankment shall be stripped of undesirable material
5. Upon completion of mining, reclamation and maintenance of water quality standards the pond will be de-watered and reclaimed.
6. See the attached pond construction criteria
7. See the attached drawings and specifications for diversions.
8. Elevations are based on assumed datum

Storage Computation

Elevation (feet)	Area (acres)	Avg. Area (acres)	Interval (feet)	Storage (ac.-ft.)	Acc. Storage (ac.-ft.)
668	.180	.440	8	3.520	.000
676	.700	.975	4	3.900	3.520
680	1.250				7.420

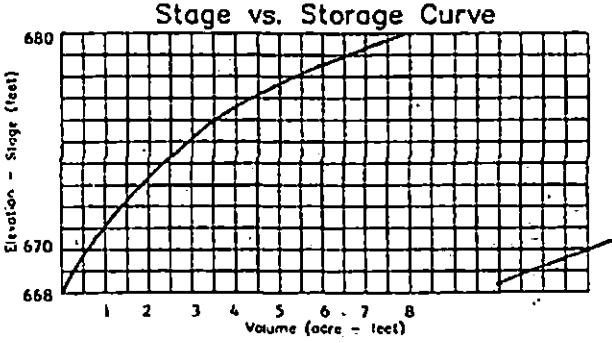
Key Basin Parameters

Drainage Area	24 Acres
Disturbed Area	11 Acres
Sediment Storage	2.2 Ac. Ft.
Detention Storage	1.3 Ac. Ft.
Full Pool Capacity	3.5 Ac. Ft.
Normal Pool Capacity	2.5 Ac. Ft.
Total Basin Capacity	5.1 Ac. Ft.
Peak Inflow	27.7 C.F.S.
Peak Outflow	12.6 C.F.S.



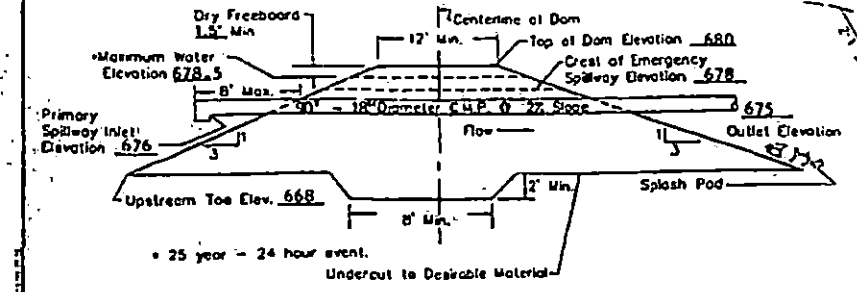
Spillway Gradient shall be Approximately 2 %
Crest of Emergency Spillway Elevation 678
Pipe Inlet Elevation 676
Q out 12.6 C.F.S.

Emergency Spillway

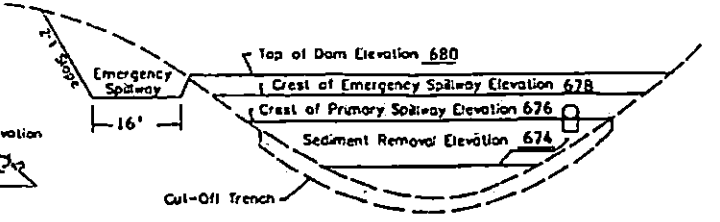


Steven R. Ingle, P.E.
AL Registration #18213





Typical Cross Section Along Primary Spillway



Typical Profile Looking Downstream

PERC ENGINEERING CO. INC

JIM GIPSON D.B.A. FAULKVILLE QUARRY
FAULKVILLE QUARRY
NPDES PERMIT NUMBER AL0067709
OUTFALL 001E
DETAIL SHEET

DRAWN BY: D.D.D. DWG. NAME: DSWCOF02	DATE: 1-9-04
APPROVED BY: S.R.I.	SCALE: NONE

DESIGN CERTIFICATION STATEMENT

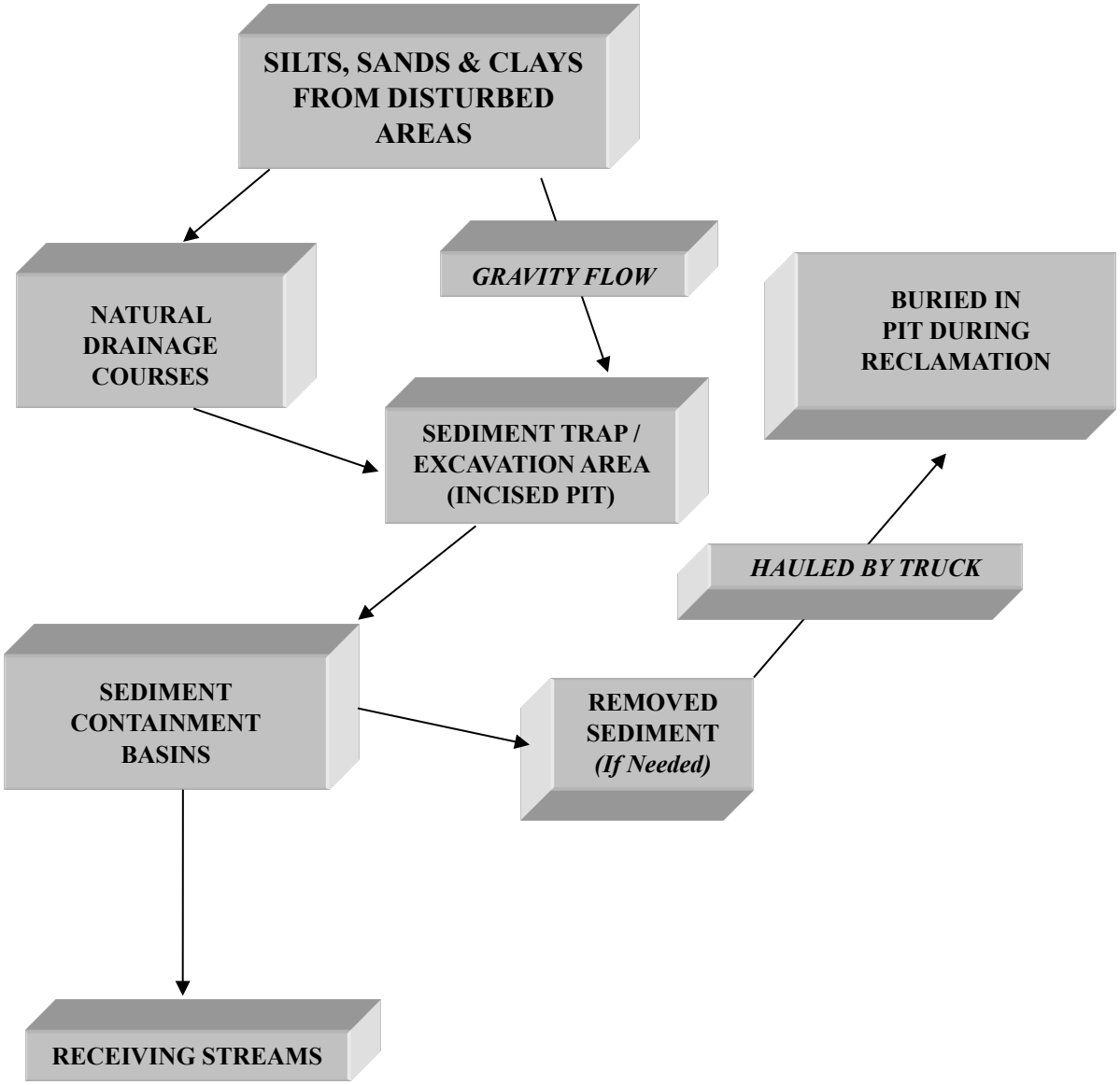
I, Bradley W. Youngblood, a qualified Registered Professional Engineer, hereby certify that the above "Pollution Abatement & Prevention Plan" was developed under my direct supervision and is true and correct to the best of my knowledge and belief.

SIMMONS-JOHNSEY ENGINEERING, LLC

Bradley Youngblood
Bradley W. Youngblood, P.E.
Alabama Reg. No. 35679



03/30/26
Date



SCHEMATIC DIAGRAM OF WASTE CYCLE