RECEIVED
MAY 26 2020

MSR32 2869
(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: ☐ OWNER ☒ OPERATOR

OWNER CONTACT INFORMATION

OWNER CONTACT PERSON: Charlie M. Billingsley, Jr., Trustee
OWNER COMPANY LEGAL NAME: Billingsley Mineral Trust
OWNER STREET OR P. O. BOX: 1636 Star Landing Road West
OWNER CITY: Nesbit STATE: MS ZIP: ~~38675~~ 38651
OWNER PHONE #: (901) 487-7116 OWNER EMAIL:

OPERATOR CONTACT INFORMATION

OPERATOR CONTACT PERSON: David E. Leverett
OPERATOR COMPANY LEGAL NAME: Memphis Stone and Gravel
OPERATOR STREET OR P. O. BOX: P.O. Box 1683
OPERATOR CITY: Memphis STATE: TN ZIP: 38101
OPERATOR PHONE #: (901) 481-9771 OPERATOR EMAIL: dave.leverett@msgravel.com

MINE INFORMATION

MINE NAME: Billingsley Expansion

MINE SITE ADDRESS (If the physical address is not available, please indicate nearest named road.)
Street: Star Landing and Robertson Roads
City: Nesbit State: MS County: DeSoto Zip: 38651

~~SW~~ /4 OF SW /4 OF SECTION 14, TOWNSHIP 2S, RANGE 8W

MINE SITE TRIBAL LAND ID (N/A If not applicable): N/A

ATTACH A USGS QUAD MAP, EXTENDING ½ MILE BEYOND FACILITY, OUTLINING THE MINE BOUNDARIES
(Maps can be obtained from the Mississippi Office of Geology. For information call 601-961-5523).

LATITUDE: 34 degrees 54 minutes 26.4672 seconds LONGITUDE: -90 degrees 01 minutes 15.441 seconds

LAT & LONG DATA SOURCE (GPS (*Please GPS Entrance Gate*) or Map Interpolation): Map interpolation

TOTAL ACREAGE: 68 MATERIAL TO BE MINED: Sand and Gravel

WILL HYDRAULIC DREDGING BE USED? ☐ YES ☒ NO
WASHING OF SAND/GRAVEL? ☐ YES ☒ NO

ESTIMATED START DATE: 2020-10-01 (YYYY-MM-DD)

ESTIMATED END DATE: 2025-12-31 (YYYY-MM-DD)

SIC CODE 1442

NAICS CODE 212321

RECEIVING STREAM INFORMATION

NEAREST NAMED RECEIVING STREAM: unnamed tributary to Hurricane Creek

IS RECEIVING STREAM ON MISSISSIPPI'S 303(D) LIST OF IMPAIRED WATER BODIES? (The 303(d) list of impaired waters and TMDL stream segments may be found of MDEQ's website: http://www.deq.state.ms.us/MDEQ.nsf/page/TWB_Total_Maximum_Daily_Load_Section) ☐ YES ☒ NO

HAS A TMDL BEEN ESTABLISED FOR THE RECEIVING STREAM SEGMENT? ☐ YES ☒ NO

COMPLETE IF STORM WATER DISCHARGE IS PROPOSED

ATTACH A STORM WATER POLLUTION PREVENTION PLAN (SEE PERMIT FOR REQUIREMENTS) (attached)

IDENTIFY THE ASSOCIATION OR GENERIC SWPPP ON FILE AT MDEQ: _____

COMPLETE IF WASTEWATER RECIRCULATION SYSTEM WITH NO DISCHARGE IS PROPOSED

DISTANCE BETWEEN RECIRCULATION POND(S) AND PROPERTY LINE: _____ (FT)
(MUST BE AT LEAST 150 FEET)

NUMBER OF RECIRCULATION POND(S): _____

STORAGE CAPACITY OF EACH RECIRCULATION POND(S): _____ (FT^3)

COMPLETE IF MINE DEWATERING IS PROPOSED

ESTIMATED DEWATERING VOLUME: 5,000 (GAL/DAY)

NAME AND ADDRESS OF THE RECIPIENT OF THE DISCHARGE MONITORING REPORTS (DMRs), IF DIFFERENT FROM SIGNATORY: _____

DOCUMENTATION OF COMPLIANCE WITH OTHER REGULATIONS/REQUIREMENTS

Coverage under this general permit will not be granted until all other required MDEQ permits and approvals are addressed.

WILL THE CONSTRUCTION OR OPERATION OF THIS MINE INVOLVE THE RE-ROUTING, FILLING OR CROSSING OF A WATER CONVEYANCE OF ANY KIND? ☐ YES ☒ NO

If yes, contact the U.S. Army Corps of Engineers' Regulatory Branch for permitting requirements. If the mine requires a Corps of Engineers Section 404 permit, provide appropriate documentation with this MNOI that:

- The mine has been approved by individual permit, or
- The work will be covered by a nationwide permit and NO NOTIFICATION to the Corps is required, or
- The work will be covered by a nationwide or general permit and NOTIFICATION to the Corps is required.

LIST ANY NPDES PERMIT NO(s)._____ GEOLOGY APPLICATION/PERMIT NO. _____

LIST OTHER GEOLOGY PERMIT NUMBERS THAT APPLY TO COVERAGE AREA _____

_____

IS THE MINE LESS THAN 4 ACRES AND GREATER THAN 1320 FEET FROM ANOTHER MINE?

☐ YES A "Notice of Exempt Operations" Form must be included with the MNOI or proof of prior submission, if previously submitted to the Office of Geology.

☒ NO A "Notice of Intent to Mine Class I or Class II Materials" Form must be filed before coverage will be granted under the Mining General Permit. For information on Office of Geology requirements, call 601-961-5515.

LIST ANY LOCAL STORM WATER ORDINANCES WITH WHICH THE OPERATIONS MUST COMPLY AND SUBMIT ANY ASSOCIATED APPROVAL DOCUMENTATION. _____

IF IMPOUNDMENTS WILL BE CONSTRUCTED ABOVE NATURAL SURFACE ELEVATIONS, INDICATE WHICH, IF ANY, OF THE FOLLOWING APPLY.

☐ The impoundment will be constructed with a peripheral dam or levee 8 feet or greater in height, measured from the lowest elevation of its toe.

☐ The impoundment will have a maximum storage volume greater than 25 acre-feet.

☐ The impoundment will impound a watercourse with a continuous flow.

☐ The impoundment has the potential to threaten downstream lives or man-made structures.

If any of the impoundments meet any of the above criteria, the applicant will be required to obtain written authorization from MDEQ, Dam Safety Division before coverage will be granted under the Mining General Permit.

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 gathered and evaluated 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.

David Everett — 5/21/2020

Authorized Signature[1] **Date**

David E. Leverett — Environmental + Exploration Manager

Printed Name **Title**

[1]This application shall be signed according to the General Permit, Act 15, T-4 as follows:

- For a corporation, by a responsible corporate officer.
- For a partnership, by a general partner.
- For a sole proprietorship, by the proprietor.
- For a municipal, state or other public facility, by either a principal executive officer, the mayor, or ranking elected official.
- Duly Authorized Representative

Please submit this form to: Chief, Environmental Permits Division
MDEQ, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

STORM WATER POLLUTION PREVENTION PLAN

MEMPHIS STONE & GRAVEL CO.
ESTABLISHED 1910
MEMPHIS, TN

Billingsley Expansion

Mining Operation
(Surface Mining Permit applied for)

Plan Approved by:

David Leverett 5/21/2020
SWPPP Development Manager

A. Purpose

This storm water pollution prevention plan (SWPPP) is designed to prevent storm water pollution that can adversely impact waters of the state. This SWPPP is also designed to comply with the State of Mississippi, Mining Storm Water, Dewatering, and No Discharge Permit (MSR32). In order to comply with MSR32, Memphis Stone & Gravel Company will follow applicable procedures described in the most recent edition of Mississippi's "Planning and Design Manual for the Control of Erosion, Sediment, and Stormwater" or its equivalent.

Memphis Stone & Gravel Company will follow the generalized steps below to develop a comprehensive storm water monitoring program. These steps outline the structure of this SWPPP.

- Storm water Pollution Prevention Team
- Site mapping and storm water outfall identification
- Assessment of potential storm water pollution sources
- Identification of best management practices for the control and/or prevention of potential storm water pollution sources
- Listing of past spills and/or leaks of toxic or hazardous pollutants and spill prevention and response guidelines
- Non-Storm Water Discharge Management
- Storm water monitoring requirements (i.e. permit conditions associated with discharge)
- Site inspections
- Reporting
- Recordkeeping
- Training
- SWPPP evaluation and updating

B. Project Overview and Site Description

This SWPPP is submitted as a required part of the MNOI for Memphis Stone and Gravels proposed "Billingsley Expansion" mining operation. Memphis Stone & Gravel Company is a multi-state aggregate producer and operates mining operations and wash plants in Mississippi and Tennessee. An application (form MRD-3) for a new surface mining operation (for this same site) has been submitted to the MDEQ Office of Geology. However, the entrance to the new proposed mining operation would be identical to the entrance to MSG's existing Billingsley mine (P87-016A), at 3410 Robertson Road, Desoto County. The proposed acreage, for mining and access to same, is 68 acres. The proposed mine area is also located in the SW1/4 of Section 14, of Township 2S, Range 8W. *(see Appendix A-Site Maps).*

Storm Water Pollution Prevention Team

Memphis Stone & Gravel Company personnel responsible for the SWPPP at the site are summarized in Table 1 below.

Table 1

Team Member	Job Title	Responsibility
1. Patrick L. Nelson	Chairman	
2. John P. Finerson	Vice President	Production
3. Alan G. Parks	Vice President	Resource Development
4. Eddie Ragsdale	Superintendent	MSG wash plants
5. David E. Leverett	Environmental Manager	Draft SWPPP, evaluate potential pollution sources, evaluate feasible BMPs, reporting.
6. Stan Wright	Plant Foreman	Supervise day-to-day plant and mine operations

C. Assessment of Potential Pollution Sources and Best Management Practices

This section identifies all materials, processes, or other activities at the site, which could cause an adverse effect on storm water quality discharging from the site. Additionally, this section describes the best management practices Memphis Stone & Gravel Company will implement at the site.

E. 1. Erosion and Sediment Control

Areas will be disturbed during stripping operations and other site development activity (e.g., berm construction, road construction, etc.). In addition, stockpiled materials (i.e., clay gravel or spoil), haul/conveyor roads, and crushing could be a source of sediment.

- Potential Pollutants

  Sediment caused by soil erosion.

- Best Management Practices

Haul and conveyor roads exist for raw material transportation, and berms are constructed to conceal the operation and minimize noise. Best management practices and there sequencing will be as follows:

1. At the mine entrance a construction entrance is used. The construction entrance consists of a gravel strip at least 15 ft. wide by 50 feet long at the haul-truck entrance into the project area. The gravel strip consists of a poorly graded mixture of +1 ½ oversize, washed aggregate approximately 4 inches thick.

2. Divert upslope water around areas before major site grading. Vegetated swales will direct run-on away from disturbed areas. A buffer in accordance with ACT 9, Condition L-2 of MSR32 will be left in place along regulated streams.

3. BMPs such as silt fence, silt logs, and grass lined swales will be used as temporary and/or intermediate control measures. Topsoil will be segregated from other intermediate soils during the cut and fill process and used to build berms and/or other landscape features. Temporary seeding will generally be done for areas left idle for 2 weeks or more. Although reclamation is generally thought to occur last in the mining process, the bulk of the reclamation activity is done concurrently with stripping operations. As one pit is stripped the overburden is hauled to the previously stripped and mined pit. This is the most efficient process, as you do not want to "rehandle" overburden. Final grading follows and the site is stabilized with permanent vegetation. The attached maps identify the proposed mine/reclamation sequence.

4. Build temporary detention basin(s) to effectively manage run-off. Please note that the mined areas become storm water retention basins and their storage capacity increases with each subsequent mined area. In some cases, part of the mined area will become a reclamation lake, which serves to control mine/storm water during the project. Permanent reclaim lakes are designed to maintain at least enough free board for 10 year/24 hour storm events. All drainage analysis will be based on calculations derived from *WinTR-55 Small Watershed Hydrology*, Release 1.0, August 2003.

Controls shall to the maximum extent possible:

(1) Divert upslope water around disturbed areas
(2) Limit exposure of disturbed areas to the shortest practical time
(3) Minimize the amount of disturbed area at any given time
(4) Implement best management practices to mitigate adverse impacts from storm water runoff
(5) Remove sediment from storm water runoff prior to discharge
(6) Preserve existing vegetation where possible, especially trees
(7) Preserve vegetated buffer zones around any creek, drain, lake, pond or wetland
(8) Slow rainfall runoff velocities to prevent erosive flows
(9) Avoid disturbing sensitive areas such as:
- Steep and/or unstable slopes
- Land upslope of surface waters
- Areas with erodible soils
- Existing drainage channels
(10) Transport runoff down steep slopes through lined channels or piping

(11) Minimize the amount of cut and fill
(12) Re-vegetate disturbed areas as soon as possible
(13) Filter runoff by using natural vegetation, brush barriers, silt fences, etc.

Slopes will be reduced to a gradient no steeper than 3 foot horizontal to 1 foot vertical (3:1). Ideally the plan for re-vegetation is to reestablish grass cover as quickly as possible following disturbance. This is accomplished by grading slopes then drilling in grass seed and/or hydroseeding. Seeded areas are normally protected with temporary covering (e.g., blown hay, mulch) to reduce detachment during precipitation events. In some areas turf reinforced matting (TRM) may be used when ground conditions warrant. Seeded slopes will often be crimped. All discharge points and areas having concentrated flow will be reinforced using TRM or hard armor methods (e.g., rip rap).

Seeding for permanent re-vegetation should consist of the following characteristics:

Seeding Dates	Grass Seed Variety	Percentages
February 1 to July 1	Kentucky 31 Fescue Korean Lespedeza English Rye	80% 15% 5%
June 1 to August 15	Kentucky 31 Fescue English Rye Korean Lespedeza German Millet	55% 20% 15% 10%
April 15 to August 15	Bermuda (hulled) Annual Lespedeza	70% 30%
August 1 to December 1	Kentucky 31 Fescue English Rye White Clover	70% 20% 10%
February 1 to December 1	Kentucky 31 Fescue Crown Vetch English Rye	70% 25% 5%

Lime / Fertilizer Rates will generally be applied as follows:

Initial planting-		For successive years:	
Lime:	3 tons/acre	Fertilizer (13/13/13):	300 lbs/acre
Fertilizer (13/13/13):	600 lbs/acre	(as needed)	

Established permanent vegetative cover will generally be mowed twice per year in May and September.

E. 2. Fuel Storage Tanks

No. 2 diesel or similar products are stored on the site for equipment fuel. These fuels are stored in separate storage tanks.

- Potential Pollutants

  Fuels could be released from the tanks and/or piping if structural failure occurred. Spills from transfers could cause pollution. Tanks are exposed to precipitation.

- Best Management Practices

Memphis Stone & Gravel Company prefers to use tanks with a double wall design, which acts as a secondary containment designed to detect and contain a release. In the absence of double walled tanks, Memphis Stone & Gravel Company will install secondary containment around the tank to prevent migration of pollutants to surface waters. These storage devices will be inspected each quarter in accordance with the format outlined in Memphis Stone & Gravel Company's Spill Prevention and Response Guidelines in Appendix B.

E. 3. Miscellaneous Lubricant Storage

New oil, used oil, and/or new/used antifreeze may be stored at the site in small quantities. The products are stored in 55-gallon drums or tote bins.

- Potential Pollutants

  Product could be released from drums if structural failure occurred. Spills from transfers could cause pollution. Drums may be exposed to precipitation.

- Best Management Practices

Storage devices will be elevated above grade to limit storm water contact. When practical, tarps will be used to protect containers from precipitation. These storage devices will be inspected each quarter in accordance with the format outlined in Memphis Stone & Gravel Company's Spill Prevention and Response Guidelines in Appendix B.

E. 4. Scrap Iron Storage

Scrap iron and miscellaneous equipment components will be stored at various parts of the site. This material will be used in various maintenance applications when needed.

- Potential Pollutants

Scrap metal and equipment could contain oils or be slightly contaminated with oil and grease. Scrap metal will be exposed to precipitation and will rust over time.

- Best Management Practices

Scrap materials will be inspected before placement in this area. Oils will be removed if applicable, or materials contaminated will be cleaned prior to placement in storage. This material will be inventoried and that which will never be used at the plant again will be properly disposed.

E. 5. Non-Specific BMPs

- Good Housekeeping

Good housekeeping will be achieved at the primarily through the training program. When applicable, the plant manager will designate appropriate personnel to ensure good housekeeping is achieved. Key areas which will be reviewed include:

1. Maintaining dry and clean floors and work areas
2. Provide waste receptacles at convenient locations
3. Storing portable containers away from high traffic areas
4. Maintaining good aisle space between storage devices
5. Keeping check on material inventories
6. Designate areas for equipment maintenance and repair
7. Provide regular collection of waste
8. Provide protected storage areas for chemicals, paints, solvents,
9. Provide adequately maintained sanitary facilities

F. Past Spills and Leaks and Spill Prevention and Response

This is new site and as such there have been no previous spills or leaks.

G. Non-Storm Water Discharge Management

The non-storm water discharges listed below may occur at the site, but should be eliminated or reduced to the extent feasible. Permitted discharges include:

- Discharges from fire-fighting activities
- Fire hydrant flushing
- Water used to control dust
- Potable water including uncontaminated water line flushing
- Uncontaminated air conditioning or compressor condensate
- Uncontaminated ground water or spring water
- Uncontaminated excavation dewatering
- Water used to wash vehicles where detergents are not used

H. Storm Water Monitoring Requirements (i.e. Permit Conditions)

Memphis Stone & Gravel Company conducts storm water monitoring inspections, as required by ACT 7, Condition S-1 of MSR32. Water discharge shall be in compliance with the following non-numeric standard:

Storm water discharges shall be free from:

1. Debris, oil, scum, and other floating materials other that in trace amounts;
2. Eroded soils and other materials that will settle to from objectionable deposits in receiving waters;
3. Suspended solids, turbidity, and color at levels inconsistent with the receiving waters;
4. Chemicals in concentrations that would cause violation of State Water Quality Criteria in receiving waters.

- Inspections

Inspection of all erosion controls and a review of the approved SWPPP shall be performed upon land disturbance and until coverage termination by MDEQ. Inspections shall be conducted and documented as follows:

1. At least monthly

2. Within 24 hours after commencement of a rainfall event equal to or greater than a 25-year, 24-hour storm event (approximately 6-inches on the Gulf Coast to 4 inches at the Mississippi-Tennessee State Line)

3. As necessary to ensure that erosion controls have been constructed, maintained, and function adequately to satisfy the requirements of this permit and to ensure that pollutants are not leaving the site.

The inspection will evaluate whether the SWPPP adequately minimizes pollutant loadings and is properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Inspections will focus on the following areas:

- Outfall zones
- Areas around all of equipment scheduled for preventative maintenance
- Areas susceptible to erosion or areas with erosion controls in place
- Areas where spills and leaks have occurred in the past
- Material storage areas (tank farms, drum storage)
- Outdoor material processing areas
- Material handling areas
- Waste storage areas

Additionally where appropriate, inspections of the site's impoundments will be inspected as per and ACT 11, Condition T-4 of the general permit. See Forms (Appendix C) for checklist.

- Reporting

Monthly inspections shall be documented and reported on copies of the "Annual Storm Water Site Inspection Report Form" (Appendix C). The inspection report must be submitted annually (postmarked no later than January 28th for the previous year). Reports shall be submitted to MDEQ at the following address:

Chief, Environmental Compliance and Enforcement Division
Mississippi Department of Environmental Quality
PO Box 10385
Jackson, MS 39289-0385.

I. Mine Dewatering

Mine dewatering may be necessary and will be conducted in accordance with MSR32. Mine Dewatering means any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. Discharges associated with mine dewatering shall comply with the following provisions:

(1) All water shall be discharged to well-vegetated and/or stabilized areas in a manner to prevent erosion of materials and soils into surface waters.
(2) The intake of dewatering devices should draw from the upper third of the water column to minimize solids in the discharge.

- Monitoring Requirements for Mine Dewatering:

(1) Frequency and Location of Monitoring. The coverage recipient shall monitor the effluent for pH by collecting grab samples at least once every 12 months after permit issuance. Samples should be collected at the nearest point after discharge, but prior to mixing with any non-mine water or mixing with the receiving stream.
(2) Representative Sampling. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored wastewater.
(3) Test Procedures. Sampling test procedures shall be in accordance with the methods set forth in 40 CFR Part 136.
(4) Recording of Results. For each measurement or sample taken pursuant to the requirements of this permit, the coverage recipient shall retain records for a minimum of three (3) years of all information obtained from such monitoring including:

(a) The exact place, date and time of sampling
(b) The dates and times the analyses were performed
(c) The person(s) who performed the analyses
(d) The analytical techniques, procedures or methods used
(e) The results of all required analyses

Monitoring events shall be recorded using Memphis Stone & Gravel Company's Mine Dewatering Checklist included in Appendix C.

J. Training

Once each year, site employees will be trained on storm water pollution prevention. Training will include employees at all levels of the site operations. Topics that will be included in the training program are as follows:

- Storm water laws and regulations
- The site's SWPPP
- Good housekeeping practices
- Site best management practices

K. Recordkeeping

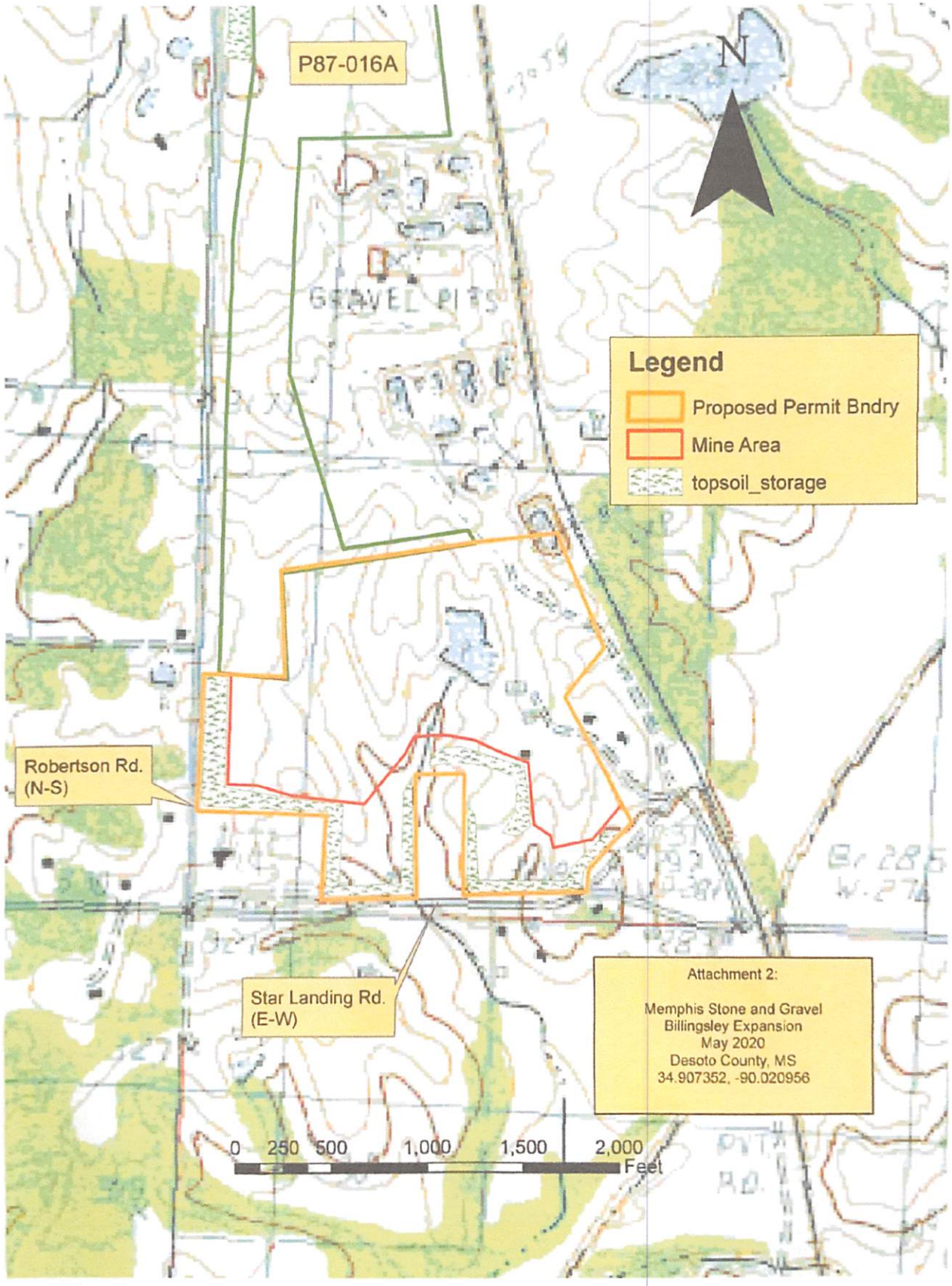
Memphis Stone & Gravel Company will maintain records at its central office. Records to be maintained include:

- Monitoring data
- SWPPP
- Notice of Intent
- General Permit
- Site Inspections
- Training records
- Preventive maintenance records

L. SWPPP Evaluation and Updating

The SWPPP will be reviewed and updated after construction of plant facilities and commencement of mining activity and as conditions warrant, ensuring its effectiveness. A formal review will be made at least once every two years.

Appendix A: Site Map


P87-016A
N
GRAVEL PITS
Legend
Proposed Permit Bndry
Mine Area
topsoil_storage
Robertson Rd.
(N-S)
Star Landing Rd.
(E-W)
Attachment 2:
Memphis Stone and Gravel
Billingsley Expansion
May 2020
Desoto County, MS
34.907352, -90.020956
0 250 500 1,000 1,500 2,000
Feet

Appendix B: Spill Prevention and Response Guidelines

Spill Prevention

Spill Prevention Measures include the following items:

1. Use caution when moving equipment around storage devices
2. Store drums on pallets to avoid corrosion
3. Keep containers closed to avoid spillage
4. Maintain 10% free board in storage devices when possible
5. Never leave product transfers unattended
6. Use containment devices such as buckets when disconnecting product lines or equipment components that could result in spillage.
7. Keep storage devices labeled with product name and type of substance stored
8. Maintain MSDS forms for all products stored and/or used on-site.

Spill Response

If a spill or leak occurs take the following actions:

1. Identify the type of material released and its source
2. Review the MSDS forms for potential hazards
3. Estimate the quantity released
4. Identify any fire or explosion hazard.
5. Immediately stop the release if no fire hazard exists.
6. If fire hazard exists, contact the fire department.
   Fire Department: Dial 901
7. Contact the Environmental Director
   Phone Number: (901) 481-9721
8. For small spills or leaks use an absorbent material (e.g., oil dry or absorbent blanket) to absorb product. Remove all contaminated debris and/or soil and dispose of properly.

8 a. For large spills construct a berm around the release to prevent migration. Use as much absorbent materials as practical to absorb product. Contact Environmental Director for further actions.

Note: All equipment used for abatement of spills or leaks is maintained in the maintenance shop.

Inspections

Inspections will be documented using the inspection form identified as "Storm Water and Spill Prevention Inspection Checklist." All inspection Forms will be maintained in the SWPPP.

Revised: October 2014

Appendix C: Forms

Storm Water and Spill Prevention Inspection Checklist

Overview

Inspections must evaluate all areas that can impact storm water discharges including, but not necessarily limited to stock piles, tanks, hoppers, silos, secondary containment, dust collection systems, cleaning and maintenance areas. Inspections must include a visual observation of storm water quality during and/or following a storm event. Erosion and sediment controls must be properly constructed and maintained.

Qualifying Storms

In order to properly evaluate storm water quality, the storm event should meet the following criteria:

a) >0.1 inch rain measured in rain gauge
b) no storm has occurred within last 72 hours which measured greater than 0.1 inch
c) all monitoring can begin within 1 hour after discharge begins

Storm Water Quality Indicators

- Color of Water
- Odor
- Percentage Clarity
- Floating Solids
- Suspended Solids
- Foam
- Oily Sheen
- Settled Solids

Note: Outfall locations should be consistent with the SWPPP's site plan. If changed, please note in comments. If monitoring from snow melt, please note in comments.

Facility Inspection Record

Facility:_____ Inspector:_____ Date:_____/_____/_____

Start Time:_____ End Time: _____ Rainfall estimated at time of inspection: _____inches

Storm water conditions appear to be in compliance? ☐ Yes ☐ No or N/A (Explanation Required)

Spill prevention control measures in compliance? ☐ Yes ☐ No or N/A (Explanation Required)

Note: Visually inspect all storage devices identified in the SWPPP (i.e., Table 1 of Spill Prevention and Response Guidelines). Inspect the following areas/conditions: secondary containment structures; cracks or other deformities in storage devices; evidence of leaks or spills from storage devices and/or plant equipment and piping; outdoor storage areas; fuel transfer points; areas where equipment and vehicles are parked; signs/labels; and spill response equipment (inventory). Additional guidance described in the Spill Prevention and Response Guidelines.

Deficiencies / Comments (Note: All follow-up action must be documented and filed with SWPPP)

☐ Continued on Back of Form /Additional Sheets Attached ☐ Samples collected for analytical testing (must have chain of custody form)

COVERAGE NUMBER (MSR32 _ _ _ _ _) INSPECTION YEAR_ _ _ _
ANNUAL STORM WATER SITE INSPECTION REPORT FORM
MINING GENERAL PERMIT

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Results of the inspections required by ACT7 of this permit shall be recorded on this report form and submitted annually (postmarked no later than the 28th day of January). In addition, copies of all completed forms shall be retained on-site or locally available. Inspections must be performed monthly and after a 2-year, 24-hour storm event (approx. 6-inches on Gulf Coast to 4-inches at MS/TN State Line). The coverage number must be listed at the top of all Site Inspection Report Forms.

COVERAGE RECIPIENT INFORMATION

COMPANY NAME: _____ MINE NAME: _____

MINE LOCATION: _____ GEOLOGY APPLICATION/PERMIT NO. _____

NEAREST PROJECT CITY: _____ COUNTY: _____

MAILING ADDRESS: _____

MAILING CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ CONTACT PHONE NUMBER: _____

INSPECTION DOCUMENTATION

DATE (mm/dd/yy)	TIME (hh:mm AM/PM)	AFTER 2-YEAR, 24-HOUR STORM EVENT? (CHECK IF YES)	ANY DEFICIENCIES? (CHECK IF YES)	INSPECTOR(S)
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	
		☐	☐	

Deficiencies Noted During any Inspection (give date(s); attach additional sheets if necessary): _____

_____

Corrective Action Taken or Planned (give date(s); attach additional sheets if necessary): _____

_____

Based upon this inspection which I or personnel under my direct supervision conducted, I certify that all erosion and sediment controls have been implemented and maintained, except for those deficiencies noted above, in accordance with the Storm Water Pollution Prevention Plan filed with the Office of Pollution Control and sound engineering practices as required by the above referenced permit. I further certify that the MNOI and SWPPP information on file with MDEQ is up to date.

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 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 fines and imprisonment for knowing violations.

_____ _____

Authorized Signature Date

_____ _____

Printed Name Title

Please submit this form to: Chief, Environmental Compliance and Enforcement Division
MDEQ, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

Revised August 13, 2012

Impoundment Inspection Checklist

Facility Name:_____ **Area**_____

Year_____ **Month (circle) Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct. Nov. Dec.**

The Plant Superintendent shall maintain an inspection log for all impoundments located at the facility. Inspections should evaluate the following: a) Condition of all dikes or levees; b) Area around the dike to indicate any water pollution problems; c) Volume of wastewater accumulating within the impoundment; d)An indication that: Follow-up action is or is not required. The inspection log shall show the date, time and person making the inspection.

Day	Time	Inspector Signature	Follow-up Action Is Required?	Comments (use back of form or attach more sheets if needed)
1.			☐ No ☐ Yes	
2.			☐ No ☐ Yes	
3.			☐ No ☐ Yes	
4.			☐ No ☐ Yes	
5.			☐ No ☐ Yes	
6.			☐ No ☐ Yes	
7.			☐ No ☐ Yes	
8.			☐ No ☐ Yes	
9.			☐ No ☐ Yes	
10.			☐ No ☐ Yes	
11.			☐ No ☐ Yes	
12.			☐ No ☐ Yes	
13.			☐ No ☐ Yes	
14.			☐ No ☐ Yes	
15.			☐ No ☐ Yes	
16.			☐ No ☐ Yes	
17.			☐ No ☐ Yes	
18.			☐ No ☐ Yes	
19.			☐ No ☐ Yes	
20.			☐ No ☐ Yes	
21.			☐ No ☐ Yes	
22.			☐ No ☐ Yes	
23.			☐ No ☐ Yes	
24.			☐ No ☐ Yes	
25.			☐ No ☐ Yes	
26.			☐ No ☐ Yes	
27.			☐ No ☐ Yes	
28.			☐ No ☐ Yes	
29.			☐ No ☐ Yes	
30.			☐ No ☐ Yes	
31.			☐ No ☐ Yes	

MEMPHIS STONE AND GRAVEL CO.

ESTABLISHED 1910

HIGHWAY CONTRACTOR · AGGREGATE PRODUCER

GENERAL OFFICES
P.O. BOX 1683
MEMPHIS, TENN. 38101

RECEIVED
MAY 26 2020
Dept. of Environmental Quality

May 21, 2020

Chief, Environmental Permits Division
MDEQ, Office of Pollution Control
P. O. Box 2261
Jackson, MS 39225

RE: MNOI and SWPPP for Memphis Stone and Gravel's "Billingsley Expansion"

To whom it may concern,

Please find enclosed a completed MNOI, including a SWPPP, for Memphis Stone and Gravel's proposed "Billingsley Expansion" mine site in Desoto County, MS.

If you have any questions, please contact me at 901-481-9721, or 901-947-5714.

Best regards,

David Leverett
Memphis Stone & Gravel Company

Enclosures

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

RECEIVED
MAY 28 2020
BY:_____

MINING NOTICE OF INTENT (MNOI)
FOR COVERAGE UNDER
MINING STORM WATER, DEWATERING AND NO DISCHARGE
GENERAL PERMIT MSR32 _ _ _ _
(Number to be assigned by State)

File at least 30 days prior to the commencement of mining; 15 days if a Storm Water Pollution Prevention Plan (SWPPP) is already on file and mine dewatering is not proposed. Lateral expansion of an existing mine that has general permit coverage requires the submittal of the Major Modification Form, not a new MNOI. However, modification of the existing SWPPP to include the expansion is required. Discharge of storm water or impounded water associated with mining or the operation of a wastewater recirculation system with no discharge without written notification of coverage from MDEQ is a violation of State Law.

If the company seeking coverage is a corporation, a limited liability company, a partnership, or a business trust, attach proof of its registration with the Mississippi Secretary of State and/or its Certificate of Good Standing. This registration or Certificate of Good Standing must be dated within twelve (12) months of the date of the submittal of this coverage form. Coverage will be issued in the company name as it is registered with the Mississippi Secretary of State.

Please indicate the activities to be covered by this MNOI (check all that apply).

- [X] **Storm Water Discharges Associated with Mining**
- [X] **Mine Dewatering**
- [ ] **Wastewater Recirculation System with No Discharge**

The appropriate section of the MNOI must be completed if the applicant proposes to discharge storm water, discharge impounded mine water (dewatering) and/or operate a wastewater recirculation system with no discharge.

A site-specific Storm Water Pollution Prevention Plan (SWPPP) developed in accordance with ACT5 of the General Permit and a United States Geological Survey (USGS) quadrangle map or photocopy, indicating the site location and outfalls must be included with the MNOI submittal. The name of the quadrangle map must be shown on all copies. Quadrangle maps can be obtained from the MDEQ, Office of Geology at 601-961-5523. Additional submittals may include the following (check all that apply).

- [ ] **Section 404 Documentation**
- [ ] **Notice of Exempt Operations Form**
- [ ] **Dam/Reservoir Safety Permit or Written Authorization**

ALL INFORMATION MUST BE COMPLETED (indicate "N/A" where not applicable)