

STORMWATER POLLUTION PREVENTION PLAN

FOR

SUMRALL SPORTSPLEX

TOWN OF SUMRALL

SUMRALL, MISSISSIPPI

JUNE 2020

By:



2203 Hardy Street
Hattiesburg, Mississippi 39401
601.583.2127

SITE INFORMATION

The construction at this site at this time is considered phase 1 of an overall master plan to construct a recreational sports complex. This phase will include mass grading, soccer field remediation, entrance drive and parking lot asphalt paving, and sidewalk concrete paving (See attached plan set). Phase 1 will disturb 5.7 acres. This site has a medium erosion hazard. It is in the Pearl River Watershed Basin. The receiving stream, Tick Creek, from this site is not impaired.

CONTROLS

VEGETATIVE CONTROLS:

Permanent erosion control measures (soil preparation, fertilizing, seeding, and mulching, sodding, and matting) shall be performed immediately after final grading for all disturbed areas. Soil stabilization-vegetative stabilization measures shall be initiated whenever any clearing, grading, grubbing, excavating or other land disturbing activities have temporarily or permanently ceased on any portion of the site and will not resume for a period of fourteen (14) calendar days or more. The appropriate temporary or permanent vegetative practices shall be initiated immediately (no later than the next workday).

Buffer zones of 150 feet shall be maintained between land disturbing activities and perennial water bodies. Appropriate buffers will be maintained, as construction allows, and re-established when construction is complete near environmentally sensitive areas. In the event that the 150 buffers cannot be met, the requirements outlined in ACT5, T-3(6) shall be followed. The applicant should re-evaluate the buffer zone areas to ensure that they meet the requirements of the large construction storm water general permit.

For drainage locations (a drainage point at boundary of land disturbing activity) that serve an area with ten (10) or more disturbed acres at one time, a temporary (or permanent) sediment basin providing at least 3,600 cubic feet (133 cubic yards) of storage per acre drained shall be provided until final stabilization of the site. Sediment basins must be installed before initial site grading and utilize outlet structures that withdraw water from the surface and that are designed for a minimum 2-year, 24-hour storm event. If flocculants are being introduced, sediment basins must be downstream of the point of introduction and include baffles to increase sediment removal efficiency and turbidity reduction.

Topsoil should be stockpiled and used in areas that will be re-vegetated. When final grade is reached it should be distributed to a minimum of 2 inches on 3:1 slope and 4 inches on flatter slopes.

Heavy equipment use in areas to be re-vegetated should be avoided. If compaction cannot be avoided, the top 4 inches of the soil bed should be tilled before re-vegetation. Any necessary fertilizer or other soil amendments should be added during the tilling process.

STRUCTURAL CONTROLS:

Temporary silt fence, straw wattles, sandbags, paved ditches, and riprap will be placed as shown on the plans. No linear areas of ten (10) or more disturbed acres are involved in this project. Therefore, no sediment basins are required.

Construction entrances/exits shall be installed wherever traffic will be leaving a construction site and moving directly onto a paved public road.

Storm drain inlets-inlets that could receive storm water from construction activities shall be protected by surrounding or covering with a filter material until final stabilization has been achieved. Protect the inlet with silt fence, wattles, and/or sandbags to prevent sediment from entering before

the curb and gutter is placed. Block and gravel curb inlet filters or sandbags may be necessary to prevent sediment from entering after the curb gutter is placed.

A concrete wash out area will be constructed in accordance to EPA Guidelines in areas approved the Engineer for concrete trucks to wash the mixer chutes and a memo will be sent to the concrete supplier to use a minimum amount of water. Drivers will be instructed to return any materials to the concrete batch plant and complete final washing procedures at that location.

HOUSEKEEPING PRACTICES:

The contractor is reminded of his responsibilities which include equipment maintenance and repair, concrete chute wash-off, trash/debris, storage of chemicals and other toxic materials, and sanitary facilities. Storm water pollution prevention best management practice techniques are to be applied throughout the construction of this project the cost of which is to be included in regular bid items.

POST-CONSTRUCTION CONTROL MEASURES: Upon completion of construction, vegetative growth along the roadway fore slopes will provide a buffer zone for loose material originating from the roadway. Vegetative growth on the backslopes provides a buffer zone for loose material originating beyond the backslope. Flatter grades and ditch treatments minimize erosion. Paved ditches and flumes along with rock outlets are required.

IMPLEMENTATION SEQUENCE

1. Build all necessary construction entrance/exits.
2. Install brush barriers, ditch checks, silt fence, wattles, and other sedimentation controls as indicated on construction plans and standard detail sheets.
3. Proceed with site work including demolition, grading, and other necessary site related work. Install silt fence around topsoil or excavation stockpiles. Install culverts/inlets with inlet/outlet protection and rip rap.
4. Plant needed temporary vegetation on disturbed or problematic areas.
5. Plant and/or place permanent vegetation in all disturbed areas as soon as possible.
6. After site is stabilized, remove all temporary measures, vegetating these areas.

MAINTENANCE PLAN

The contractor shall inspect all disturbed areas, erosion and sediment controls after each significant rainfall but not less than once per week and record the results of this inspection on the "Monthly Inspection Report and Certification Form for Erosion and Sediment Controls" included with the permit. The monthly inspection reports and this SWPPP will be available for inspection during construction and submitted to MDEQ with the Notice of Termination as required. The contractor shall make needed repairs as soon as possible, but not exceeding 24 hours of the inspection unless prevented by unsafe weather conditions. This includes, but is not limited to, removing sediment, repairing, reinstalling, or replacing silt fence, straw wattles, or other temporary erosion control measures, repairing washes, ditches, or other permanent erosion control devices.

GENERAL EROSION CONTROL NOTES

1. EROSION/SEDIMENT CONTROLS SHALL BE PLACED AND MAINTAINED USING BEST MANAGEMENT PRACTICES (BMP'S) AS OUTLINED IN THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY'S "PLANNING AND DESIGN MANUAL FOR THE CONTROL OF EROSION, SEDIMENT, AND STORMWATER".
2. ALL EROSION CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS.
3. TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF ANY WORK. IF REQUIRED TO REMOVE THE CONTROLS TEMPORARILY DUE TO CONSTRUCTION ACTIVITIES, THE TEMPORARY EROSION CONTROLS SHALL BE REINSTALLED IMMEDIATELY ONCE THOSE ACTIVITIES ARE COMPLETED OR AT THE END OF THE WORK DAY (WHICHEVER COMES FIRST).

4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT. THE ENGINEER WILL HAVE THE AUTHORITY TO SUSPEND ALL WORK AND/OR WITHHOLD PAYMENTS FOR FAILURE OF THE CONTRACTOR TO MAINTAIN PROPER MAINTENANCE OF THE EROSION CONTROL BEST MANAGEMENT PRACTICES.
5. ALL EQUIPMENT REPAIR AND MAINTENANCE SHALL BE DONE OFFSITE.
6. RECEPTACLES SHALL BE PROVIDED TO PROPERLY DISPOSE OF ALL TRASH AND WASTE. ALL CONSTRUCTION DEBRIS SHALL BE PICKED UP AT THE END OF EACH DAY AND SHALL BE REMOVED COMPLETELY FROM THE SITE AT THE END OF THE PROJECT.
7. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM CONTROLS WHEN IT REACHES ½ THE HEIGHT OF THE CONTROL. THE SEDIMENT SHALL BE PROPERLY DISPOSED OF SO AS NOT TO CAUSE SEDIMENTATION IN ANOTHER LOCATION.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT OR CONSTRUCTION DEBRIS THAT IS TRACKED ONTO ADJACENT PAVED AREAS, ADJACENT STREETS SHALL BE KEPT CLEAN THROUGHOUT CONSTRUCTION AND SHALL BE CLEANED WITH A STREET SWEEPER OR SIMILAR TECHNIQUE IMMEDIATELY UPON DISCOVERY OF SEDIMENT. WASHING THE STREET OR OTHER PAVED AREAS IS NOT AN ACCEPTABLE FORM OF CLEANING.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT OR CONSTRUCTION DEBRIS THAT IS TRACKED INTO DETENTION BASINS. THE DESIGN INVERT OF THE DETENTION BASINS SHALL BE MAINTAINED. WASHING OF GRAVEL AROUND SPECIAL DETENTION STRUCTURE WILL BE REQUIRED UPON DISCOVERY OF SEDIMENT.
9. NATURAL VEGETATION SHALL BE MAINTAINED AND PROTECTED WHENEVER POSSIBLE.
10. TEMPORARY AND/OR PERMANENT VEGETATIVE PRACTICES MAY BE DEEMED NECESSARY IF THE CONTROLS FOUND IN THIS STORMWATER MANAGEMENT PLAN ARE FOUND TO BE INEFFECTIVE.
11. EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED WEEKLY AND FOLLOWING ANY RAIN EVENT. NONFUNCTIONING, INEFFECTIVE OR DAMAGED CONTROLS SHALL BE REPAIRED, REPLACED OR SUPPLEMENTED WITH FUNCTIONAL CONTROLS WITHIN 24 HOURS OF DISCOVERY.
12. ANY SEDIMENT THAT HAS MIGRATED OFFSITE WHETHER ONTO PUBLIC OR PRIVATE PROPERTY SHALL BE REMOVED IMMEDIATELY UPON DISCOVERY AT NO ADDITIONAL COST TO THE OWNER. THE DAMAGED PROPERTY SHALL BE RESTORED TO THE CONDITION PRIOR TO THE SEDIMENT MIGRATION. THE SOURCE OF THE BREACH SHALL BE IMMEDIATELY LOCATED AND CORRECTED.
13. PAYMENT FOR ALL EROSION CONTROL ITEMS INCLUDING TEMPORARY AND PERMANENT EROSION CONTROL SHALL BE INCLUDED IN THE BASE BID.
14. ALL DISTURBED AREAS SHALL BE SEEDED IN ACCORDANCE WITH THE S.W.P.P.P. AND THE CONTRACT SPECIFICATIONS.
15. CONTRACTOR SHALL MINIMIZE DAMAGE TO AREAS OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS. ANY DAMAGE TO ADJACENT PROPERTY INCLUDING ROADWAYS, UTILITIES, STRUCTURES, GREENSPACE, ETC. SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
16. REFER TO ECD SHEETS FOR EROSION CONTROL DETAILS.



MISSISSIPPI DEPARTMENT OF
ENVIRONMENTAL QUALITY

LARGE CONSTRUCTION NOTICE OF INTENT (LCNOI) FOR COVERAGE UNDER THE LARGE CONSTRUCTION STORM WATER GENERAL NPDES PERMIT

INSTRUCTIONS

The Large Construction Notice of Intent (LCNOI) is for coverage under the Large Construction General Permit for land disturbing activities of five (5) acres or greater; or for land disturbing activities, which are part of a larger common plan of development or sale that are initially less than five (5) acres but will ultimately disturb five (5) or more acres. Applicant must be the owner or operator. For construction activities, the operator is typically the prime contractor. The owner(s) of the property and the prime contractor associated with regulated construction activity on the property have joint and severable responsibility for compliance with the Large Construction Storm Water General Permit MSR10.

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.

Completed LCNOIs should be filed at least thirty (30) days prior to the commencement of construction. Discharge of storm water from large construction activities without written notification of coverage is a violation of state law.

Submittals with this LCNOI must include:

- A site-specific Storm Water Pollution Prevention Plan (SWPPP) developed in accordance with ACT5 of the General Permit
- A detailed site-specific scaled drawing showing the property layout and the features outlined in ACT5 of the General Permit
- A United States Geological Survey (USGS) quadrangle map or photocopy, extending at least one-half mile beyond the facility property boundaries with the site location and outfalls outlined or highlighted. 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, if applicable:

- Appropriate Section 404 documentation from U.S. Army Corps of Engineers
- Appropriate documentation concerning future disposal of sanitary sewage and sewage collection system construction
- Appropriate documentation from the MDEQ Office of Land & Water concerning dam construction and low flow requirements
- Approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties

ALL QUESTIONS MUST BE ANSWERED (Answer "NA" if the question is not applicable)

MSR10 _____

(NUMBER TO BE ASSIGNED BY STATE)

APPLICANT IS THE: ☒ OWNER ☐ PRIME CONTRACTOR**OWNER CONTACT INFORMATION**OWNER CONTACT PERSON: Heath SumrallOWNER COMPANY LEGAL NAME: Town of SumrallOWNER STREET OR P.O. BOX: 4880 Highway 589OWNER CITY: Sumrall STATE: MS ZIP: 39482OWNER PHONE #: (601) 758-3591 OWNER EMAIL: townofsumrall@gmail.com**PRIME CONTRACTOR CONTACT INFORMATION**

PRIME CONTRACTOR CONTACT PERSON: _____

PRIME CONTRACTOR COMPANY LEGAL NAME: _____

PRIME CONTRACTOR STREET OR P.O. BOX: _____

PRIME CONTRACTOR CITY: _____ STATE: _____ ZIP: _____

PRIME CONTRACTOR PHONE #: (____) _____ PRIME CONTRACTOR EMAIL: _____

FACILITY SITE INFORMATIONFACILITY SITE NAME: Sumrall Sportsplex

FACILITY SITE ADDRESS (If the physical address is not available, please indicate the nearest named road. For linear projects indicate the beginning of the project and identify all counties the project traverses.)

STREET: Near North Rayburn Road along Highway 42CITY: Sumrall STATE: MS COUNTY: Lamar ZIP: 39482FACILITY SITE TRIBAL LAND ID (N/A If not applicable): N/ALATITUDE: 31 degrees 25 minutes 10 seconds LONGITUDE: 89 degrees 31 minutes 04 secondsLAT & LONG DATA SOURCE (GPS (Please GPS Project Entrance/Start Point) or Map Interpolation): Map InterpolationTOTAL ACREAGE THAT WILL BE DISTURBED ¹: 5.7

IS THIS PART OF A LARGER COMMON PLAN OF DEVELOPMENT?

YES ☐NO ☒

IF YES, NAME OF LARGER COMMON PLAN OF DEVELOPMENT: _____

AND PERMIT COVERAGE NUMBER: MSR10 _____

ESTIMATED CONSTRUCTION PROJECT START DATE:

2020-08-01

YYYY-MM-DD

ESTIMATED CONSTRUCTION PROJECT END DATE:

2020-08-01

YYYY-MM-DD

DESCRIPTION OF CONSTRUCTION ACTIVITY: Mass grading and parking lot construction.PROPOSED DESCRIPTION OF PROPERTY USE AFTER CONSTRUCTION HAS BEEN COMPLETED:
Recreation

SIC Code _____ NAICS Code _____

NEAREST NAMED RECEIVING STREAM: Tick 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 on MDEQ's web site: http://www.deq.state.ms.us/MDEQ.nsf/page/TWB_Total_Maximum_Daily_Load_Section) YES ☐ NO ☒

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

ARE THERE RECREATIONAL STREAMS, PRIVATE/PUBLIC PONDS OR LAKES WITHIN ½ MILE DOWNSTREAM OF PROJECT BOUNDARY THAT MAY BE IMPACTED BY THE CONSTRUCTION ACTIVITY? YES ☐ NO ☒

EXISTING DATA DESCRIBING THE SOIL (for linear projects please describe in SWPPP):
Report of Geotechnical Exploration includes soil data for project site.

WILL FLOCCULANTS BE USED TO TREAT TURBIDITY IN STORM WATER? YES ☐ NO ☒

IF YES, INDICATE THE TYPE OF FLOCCULANT. ☐ ANIONIC POLYACRYLAMIDE (PAM)
☐ OTHER _____

IF YES, DOES THE SWPPP DESCRIBE THE METHOD OF INTRODUCTION, THE LOCATION OF INTRODUCTION AND THE LOCATION OF WHERE FLOCCULATED MATERIAL WILL SETTLE? YES ☐ NO ☒

¹ Acreage for subdivision development includes areas disturbed by construction of roads, utilities and drainage. Additionally, a housesite of at least 10,000 ft² per lot (entire lot, if smaller) shall be included in calculating acreage disturbed.

DOCUMENTATION OF COMPLIANCE WITH OTHER REGULATIONS/REQUIREMENTS

COVERAGE UNDER THIS PERMIT WILL NOT BE GRANTED UNTIL ALL OTHER REQUIRED
MDEQ PERMITS AND APPROVALS ARE SATISFACTORILY ADDRESSED

IS LCNOI FOR A FACILITY THAT WILL REQUIRE OTHER PERMITS?

YES ☐

NO ☒

IF YES, CHECK ALL THAT APPLY: ☐ AIR ☐ HAZARDOUS WASTE ☐ PRETREATMENT

☐ WATER STATE OPERATING ☐ INDIVIDUAL NPDES ☐ OTHER: _____

IS THE PROJECT REROUTING, FILLING OR CROSSING A WATER CONVEYANCE OF ANY KIND? (If yes, contact the U.S. Army Corps of Engineers' Regulatory Branch for permitting requirements.) YES ☐ NO ☒

IF THE PROJECT REQUIRES A CORPS OF ENGINEER SECTION 404 PERMIT, PROVIDE APPROPRIATE DOCUMENTATION THAT:

- The project 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

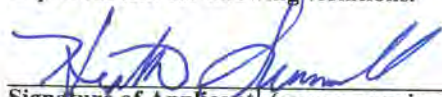
IS A LAKE REQUIRING THE CONSTRUCTION OF A DAM BEING PROPOSED? YES ☐ NO ☒
(If yes, provide appropriate approval documentation from MDEQ Office of Land and Water, Dam Safety.)

IF THE PROJECT IS A SUBDIVISION OR A COMMERCIAL DEVELOPMENT, HOW WILL SANITARY SEWAGE BE DISPOSED? Check one of the following and attach the pertinent documents.

- ☐ Existing Municipal or Commercial System. Please attach plans and specifications for the collection system and the associated "Information Regarding Proposed Wastewater Projects" form or approval from County Utility Authority in Hancock, Harrison, Jackson, Pearl River and Stone Counties. If the plans and specifications can not be provided at the time of LCNOI submittal, MDEQ will accept written acknowledgement from official(s) responsible for wastewater collection and treatment that the flows generated from the proposed project can and will be transported and treated properly. The letter must include the estimated flow.
- ☐ Collection and Treatment System will be Constructed. Please attach a copy of the cover of the NPDES discharge permit from MDEQ or indicate the date the application was submitted to MDEQ (Date: _____.)
- ☐ Individual Onsite Wastewater Disposal Systems for Subdivisions Less than 35 Lots. Please attach a copy of the Letter of General Acceptance from the Mississippi State Department of Health or certification from a registered professional engineer that the platted lots should support individual onsite wastewater disposal systems.
- ☐ Individual Onsite Wastewater Disposal Systems for Subdivisions Greater than 35 Lots. A determination of the feasibility of installing a central sewage collection and treatment system must be made by MDEQ. A copy of the response from MDEQ concerning the feasibility study must be attached. If a central collection and wastewater system is not feasible, then please attach a copy of the Letter of General Acceptance from the State Department of Health or certification from a registered professional engineer that the platted lots should support individual onsite wastewater disposal systems.

INDICATE ANY LOCAL STORM WATER ORDINANCE WITH WHICH THE PROJECT MUST COMPLY:

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.



Signature of Applicant¹ (owner or prime contractor)

7-7-2020

Date Signed

Heath Sumrall

Printed Name¹

Mayor

Title

¹This application shall be signed 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 principal executive officer, mayor, or ranking elected official

Please submit the LCNOI form to:

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