



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243
1-888-891-8332 (TDEC)

RECEIVED
DEC 21 2018
Memphis Environmental

Notice of Intent (NOI) for General NPDES Permit for Stormwater Discharges from Construction Activities (TNR100000)

Site or Project Name: Memphis Regional Megasite		NPDES Tracking Number: TNR 154400	
Street Address MEMPHIS REGIONAL MEGASITE (35.4256, -89.4160) TO or Location: MISSISSIPPI RIVER (35.51594°, -89.94456°)		Construction Start Date: TBD	
Site Description: INSTALLATION OF 18" HDPE TREATED EFFLUENT FORCE MAIN		Estimated End Date: TBD	
County(ies): HAYWOOD AND TIPTON MS4 (if applicable):		Latitude (dd.ddd): RE: CONSTRUCTION DOCS	
Check box if a SWPPP is attached: <input checked="" type="checkbox"/> Check box if a site location map is attached: <input checked="" type="checkbox"/>		Longitude (-dd.ddd): RE: CONSTRUCTION DOCS	
Acres Disturbed: 133		Total Acres: 133	
Check the appropriate box(s) if there are streams and/or wetlands on or adjacent to the construction site: Streams <input checked="" type="checkbox"/> Wetlands <input checked="" type="checkbox"/>		Has a jurisdictional determination been made by the USACE or EPA identifying waters of the United States?: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Note: if yes, attach the jurisdictional determination			
If an Aquatic Resource Alteration Permit (ARAP) has been obtained for this site, what is the permit number? NR(S) 17.054			
Receiving waters: EAST BEAVER CREEK, BEAVER CREEK, TOWN CREEK, MATHIS CREEK, INDIAN CREEK UPPER, INDIAN CREEK LOWER, BIG MUDDY CREEK LOWER, LITTLE MUDDY CREEK, SUGAR CREEK, HURRICANE CREEK, MISSISSIPPI RIVER			
Site Owner/Developer (Primary Permittee): (Provide person, company, or entity that has operational or design control over construction plans and specifications): STATE OF TENNESSEE			
For corporate entities only, provide correct Tennessee Secretary of State (SOS) Control Number: (an incorrect SOS control number may delay NOI processing)			
Site Owner or Developer Contact Name: (signs the certification below) JOHN M. HULL		Title or Position: Deputy Commissioner, Stream Capital Projects	
Mailing Address: 312 Rosa L. Parks Ave, Suite 2400		City: Nashville	State: TN Zip: 37243
Phone: (615) 741-1265	Fax: ()	E-mail: John.Hull@TN.gov	
Optional Contact: Dwain Hibdon		Title or Position: Project Manager	
Mailing Address: 320 Seven Springs Way Suite 350		City: Brentwood	State: TN Zip: 37027
Phone: (615) 372-7885	Fax: ()	E-mail: DHibdon@SSOE.com	
Owner/Developer(s) Certification: (must be signed by president, vice-president or equivalent, or ranking elected official) (Primary Permittee)			
I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information 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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.			
Owner/Developer Name (print/type): John M. Hull, Esq.		Signature:	Date: 12.18.2018
Owner/Developer Name (print/type):		Signature:	Date:
Contractor Certification: (must be signed by president, vice-president or equivalent, or ranking elected official) (Secondary Permittee)			
I certify under penalty of law that I have reviewed this document, any attachments, and the SWPPP referenced above. Based on my inquiry of the construction site owner/developer identified above and/or my inquiry of the person directly responsible for assembling this NOI and SWPPP, I believe the information submitted is accurate. I am aware that this NOI, if approved, makes the above-described construction activity subject to NPDES permit number TNR100000, and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties, including the possibility of fine and imprisonment for knowing violations, and for failure to comply with these permit requirements. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.			
Contractor name, address, and SOS control number (if applicable):		Signature:	Date:

OFFICIAL STATE USE ONLY

Received Date: 12-21-18	Reviewer: cmw	Field Office: memphis	Permit Tracking Number: TNR 154400	Exceptional TN Water: Yes
Fee(s): \$10,000	T & E Aquatic Flora/Fauna: Yes	SOS Corporate Status: —	Waters with Unavailable Parameters: Yes	Notice of Coverage Date:

STORM WATER POLLUTION PREVENTION PLAN

**MEMPHIS REGIONAL MEGASITE
HAYWOOD AND TIPTON COUNTY, TENNESSEE
DECEMBER 2018**



**PREPARATION DATE : December 2018
PROJECT START DATE : TBD
PROJECT COMPLETION DATE : TBD**

PREPARED BY:

SSOE, Inc.
ARCHITECTS • ENGINEERS
320 Seven Springs Way, Suite 350
Brentwood, Tennessee 37027
TEL 615-661-7585
FAX 615-661-7569

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I. INTRODUCTION

The objective of this Storm Water Pollution Prevention Plan (SWPPP) is to identify, design, construct, and implement Best Management Practices (BMP's) to reduce or eliminate pollutants in storm water discharges during the construction of this project. All BMP's are designed for a 5-yr, 24-hr storm to control runoff into tributary ditches and other conveyances of impaired streams nearby to the project area. This SWPPP includes, but is not limited to, all Erosion Prevention and Sediment Control Plans, location maps, detail sheets, and all applicable attachments, such as the Notice of Intent (NOI), Inspection Checklists and Logs, contractor and subcontractor list, and the Notice of Termination (NOT). This SWPPP is a living document with all updates and modifications during construction made part of the overall plan as they occur.

To monitor and minimize the negative impacts of construction projects, the Tennessee Department of Environment and Conservation (TDEC) administers a permitting program designed to document construction activity and require practices that minimize the surface runoff pollutant load resulting from construction activity. The permitting program is mandated in the Clean Water Act and is part of the National Pollutant Discharge Elimination System (NPDES). Also, associated with this force main project is an Aquatic Resource Alteration Permit (ARAP); file No. NRS 17.054. This permit is to obtain coverage for the alteration of streams and wetlands throughout the approximate 36-mile route of force main. For this project, all identified streams and wetlands are to be crossed by horizontal direction drilling (HDD) to avoid any adverse effects to the crossing water feature or any of their tributaries. It is required that the contractor has on hand a frac-out plan in the extreme case there are inadvertent releases during the HDD process. A Frac-out plan is a contingency plan explaining procedures for the preventing, containing, and cleanup of frac-outs associated with HDD operations.

Under the NPDES General Permit, construction processes must be phased to keep the total disturbed area less than 50 acres at any one time. To minimize disturbance areas, the contractor is to only install as much linear feet of pipe as can be covered and stabilized in a given day. However, being a linear force main project, this project can be exempt from the 50 acre limitation if the following conditions are met:

- a) Where no one area of active soil disturbance is greater than 50 acres and the various areas of disturbance have separate receiving waterbodies.
- b) Where contiguous disturbances amount to greater than 50 acres, but no single waterbody is receiving runoff from more than 50 disturbed acres.
- c) With the department's written concurrence, where more than 50 acres of disturbance is to occur and where a single waterbody will receive runoff from more than 50 acres.
- d) Where no one area of active soil disturbance is greater than 50 acres and the various areas of disturbance are more than 5 miles apart.

In order for the linear project to take advantage of this 50 acre rule exemption, the contractor shall also conduct monthly quality assurance site assessments until the site is permanently stabilized. These site

assessments shall cover the entire disturbed area and occur within 30 days of construction commencing at each portion of the site that drains the qualifying acreage. The site assessment shall be performed by individuals with one or more of the following qualifications:

- a) A license professional engineer or landscape architect
- b) A Certified Professional in Erosion and Sediment Control (CPESC).
- c) A person who has successfully completed the “Level II Design Principles for Erosion Prevention and Sediment Control for Construction Sites” course.

At minimum, site assessments should be performed to verify the installation, functionality, and performance of the EPSC measure described in the SWPPP. The findings of the assessment shall be documented and kept with the field SWPPP at the site. More information can be found in Section 3.1.2 of the State of Tennessee NPDES Permit. A copy of the State of Tennessee NPDES Permit can be found in **Appendix VIII** and a copy of the Inspection Certification can be found in **Appendix VI**.

Generally, the permit coverage may be obtained under the general permit for discharge of storm water associated with construction activity. The process to obtain permit coverage sequentially includes the following:

- a) Develop a Storm Water Pollution Prevention Plan (SWPPP) for the construction site using manufacturer’s specs and good engineering practices. All erosion prevention and sediment control measures shall be designed for the 5-yr, 24-hr storm.
- b) Submit a Notice of Intent (NOI) requesting coverage for the construction site under general permit.
- c) Receive the Notice of Coverage from the TDEC stating coverage under the general permit.
- d) Ensure Contractors, subcontractors, and staff understand requirements for compliance with the Storm Water Pollution Prevention Plan.
- e) Implement the Storm Water Pollution Prevention Plan and proceed with construction, including regular maintenance and inspection of sediment and erosion controls and storm water management facilities. Inspections shall take place at a minimum of twice per calendar week, at least 72 hours apart. The inspections are required at all disturbed portions of the site until termination requirements are met. This includes after either temporary or permanent measures (especially matting or sod) have been installed.

Any changes to the Erosion Prevention Sediment Control Plan will be submitted for approval to TDEC within 48 hours of the change. If grading conditions vary during construction, a new plan showing prevention measures will be submitted as an addendum to the original SWPPP. This permit shall be revised as appropriate, but in no case more than 7 days after the need is identified. Such modifications shall provide for timely implementation of any changes to the SWPPP, but in no case later than 14 days following the inspection.

Service has been drafted allowing the removal of these trees but only during the time period of October 15th to March 31st. All trees that are to remain within the project work areas are to be protected with control measurements set forth in the EPSC plans in **Appendix II**.

A substantial portion of construction, roughly 16 miles of the approximate 36 miles, will be throughout an existing electrical easement that extends from Mason, TN to Covington, TN. The remaining force main will be within acquired easements paralleling the right of ways of HWY TN-70 and HWY TN-59 as well as acquired easements through private properties. These acquired easements range from 20 to 30 feet and designate the allowed disturbance area throughout the entire route. No construction activities are to be done outside of the acquired permanent and temporary easements unless the contractor deems it necessary. In this case the contractor will be responsible to pursue additional construction easements. The general site locations and an overall path are shown on location maps found in **Appendix I**. The easement limits (disturbance limits) are shown on the Construction documents and EPSC plans found in **Appendix II**.

IV. SITE DESCRIPTION POST-CONSTRUCTION

The State of Tennessee desires to provide wastewater infrastructure to the Memphis Regional Megasite in advance of obtaining a tenant industry on site. This force main portion is a linear construction project that will be required return all disturbed areas back to their original state utilizing final stabilization per the EPSC Plans and per the TDEC Erosion and Sediment Control Handbook. No additional runoff from construction activities will occur. An overall plan showing the beginning and ending of the force main is provided in **Appendix I**. Construction and Erosion Prevention and Sediment Control (EPSC) plans can be found in **Appendix II**.

V. SOILS INFORMATION

A soil survey map was reviewed to determine general soil composition in the area of the subject site. A geotechnical report was acquired from field survey sourced data in addition to the USDA web soil survey site online. These reports indicated that the site is composed of various soil types. Refer to the wetland delineation and hydrologic determination reports found in **Appendix IV** for maps and soil reports.

VI. SURFACE WATER LOCATIONS

Approximately seventy-four (74) streams, wet-weather conveyances, and wetlands will be crossed utilizing horizontal directional drilling methods. This method of force main installation provides a minimal and controllable disturbance area that protects the water feature from construction impact. All identified crossing streams, wetlands, and wet-weather conveyances are labeled within the construction plans to correlate with the environmental analysis reports. Prior, during, and after construction all streams and wetlands are to be protected to the greatest extent with the proper best management practices (silt fence, filter rings, sediment logs, etc) until final stabilization is achieved. For stream, wetland, and wet-weather conveyance locations, refer to the Construction and EPSC Plans in **Appendix II**, feature exhibits found in **Appendix III**, wetland delineation and hydrologic determination reports found in **Appendix IV**, and FEMA flood maps in **Appendix V**.

II. SWPPP COORDINATOR AND DUTIES

This project will be awarded to potentially three (3) separate contractors, each with a segment of the approximate 36 mile force main. The force main is broken into three (3) separate construction documents, FM-1, FM-2, and FM-3. The chosen contractor(s) will be responsible for the requirements of the SWPPP document herein. The general contractor shall assign his designee as the SWPPP coordinator for the facility. The SWPPP coordinator for the facility is _____

(Phone: (____) _____ - _____) of _____.

The SWPPP coordinator's duties include, but not limited to the following:

- a) Implement and ensure fully functioning non-sediment and erosion pollution controls.
- b) Implement the SWPPP with the aid of designated representatives.
- c) Oversee maintenance practices identified as BMP's in the SWPPP.
- d) Implement and oversee employee training.
- e) Conduct or provide for inspection and monitoring activities to areas of the site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, structural control measures, locations where vehicles enter or exit the site, and each outfall. Additional site assessment of the project area is required as per requirements in Section I and Section 3.1.2 of the State of Tennessee NPDES Permit.
- f) Identify any inadequate control measures, control measures in disrepair, deficiencies in the SWPPP and make sure they are corrected before the next rain event if possible, but in no case more than 7 days after the need is identified. Such modifications shall provide for timely implementation of any changes to the SWPPP, but in no case later than 14 days following the inspection.
- g) Prepare and submit reports.
- h) Ensure that any changes in the construction plans are addressed in the SWPPP within 48 hours.

III. SITE DESCRIPTION PRE-CONSTRUCTION

The State of Tennessee is planning a construction project that incorporates installation of a treated effluent force main from the proposed Memphis Regional Megasite in Stanton, TN to the Mississippi River near Gilt Edge, TN, approximately 36 miles. Prior to any construction on the site, soil surveys indicate that the linear route is composed primarily of various types of silty loam, classified as hydrologic soil group C, with slopes varying throughout the length of the project area. Existing water features such as streams, wetlands, and floodplains vary throughout the path of construction path that will be crossed. Exhibits of these streams, wetlands, and wet-weather conveyance crossings can be found in **Appendix III**. FEMA flood maps displaying the areas of floodplains can be found in **Appendix V**. Prior to force main installation, the contractor will be required to remove trees within the corridor of the work area that are deemed to be impacted by construction activities. An agreement with the U.S. Fish and Wildlife

VII. CONSTRUCTION SEQUENCE PER SEGMENT

The awarded general contractor(s) is responsible to provide a construction schedule which describes the sequence of major construction activities in addition to the implementation of erosion, sediment, and storm water control measures. The schedule shall also include locations of proposed access points (construction entrances) to the construction site. The schedule provided by the contractor shall consider the phasing of work while ensuring that best management practices are put into place for affected areas of the site prior to conducting any soil disturbance. Best management practice (BMPs) measures shall be installed as required per the plans as well as per the TDEC Erosion and Sediment Control Handbook. These controls shall be functional throughout the course of earth disturbing activities and may only be removed once final stabilization has been reached.

Below is a general construction schedule; however, as stated above, the awarded general contractor(s) are required to submit a detailed construction operation schedule outlining the phasing of work to be performed. This schedule should be submitted prior to, but no later than the date of the pre-construction meeting or as soon as possible after the general contractor is selected. The contractor shall submit this construction schedule to the owner's SWPPP coordinator and TDEC for review and approval.

1. Receive permit coverage from TDEC.
2. Hold a pre-construction conference at least one week prior to starting construction. The awarded contractor is to provide the following additional information:
 - a) Updated, detailed construction sequence. Include progression of land disturbance, timing of HDD and open road cutting, timing of installation of force main with respect to location along the force main route.
 - b) Construction entrance locations.
3. Install construction entrances where contractor deems necessary for access to the right of way.
4. Install tree protection.
5. Pre-construction vegetative ground cover shall not be destroyed, removed or disturbed more than 10 days prior to grading or earth moving unless the area is seeded and/or mulched or other temporary cover is installed.
6. Clearing and grubbing only as necessary for installation of perimeter controls (e.g. silt fence or sediment logs).
7. Install all silt fences/sediment logs at the locations shown on the drawings.
8. Install storm drain inlet protection and check dams.
9. Install construction fencing and gates as deemed necessary.
10. Stabilize diversion ditches intended to be in service for 30 days or more with temporary seeding and erosion control netting.

11. Monitor all erosion control measures installed. Inspections shall be performed at least twice every calendar week, at least 72 hours apart. Maintain a log of all inspections and maintenance of erosion control. See **Appendix VI** for inspection form.
12. Clear and grub site or demolition area; sediment and erosion control measures for these areas must already be installed. Trees within the project area that are to be removed must only be done during the time period of October 15th to March 31st.
13. Rough grade and stockpile earthen material.
14. Provide temporary or permanent stabilization for topsoil stockpiles and exposed areas as soon as possible but no later than 14 days after construction activities have temporarily or permanently ceased. Steep slopes shall be stabilized no later than 7 days after construction activities on the slope have temporarily or permanently ceased.
15. Install new underground utilities. Contractor is to install only as much pipe as can be covered and stabilized in a given day.
16. Construction/Replacement of removed pavement sections.
17. Perform finished site grading.
18. Permanent stabilization with perennial vegetation (using native herbaceous and woody plants where practicable) or other permanently stable, non-eroding surface shall replace any temporary measures as soon as practicable. Unpacked gravel containing fines (silt and clay sized particles) or crusher runs will not be considered a non-eroding surface.
19. Remove and properly dispose of sediment accumulated in ditches, wet-weather conveyances, and storm structures. Remove temporary silt fences, catch basin and culvert inlet protection, temporary diversion ditches and the construction entrances, reseeding the areas disturbed by their removal.
20. Submit Notice of Termination (NOT). See **Appendix IX**.

VIII. LOCATION OF PRACTICES

The existing roads will be utilized as points of vehicular ingress and egress to the project sites. Stabilized stone construction entrances will be installed as needed to reduce the tracking of mud and dirt onto public roads by construction vehicles. The awarded contractor is responsible for determining the location of the construction entrances. The awarded contractor is required to submit these locations to TDEC for review and approval.

The existing drainage systems as well as all proposed drainage system additions will be protected from sediment during construction. Inlet protection will be utilized at all catch basin inlets to minimize sediment accumulation in the storm piping and check dams and filter rings along the ditches and upstream of culverts will be implemented to provide erosion prevention and sediment buildup. These controls will be installed prior to the construction and installation of the force main. Inspections of the controls will take place per Section I and II above.

In areas where this linear project traverses near natural riparian buffers of streams and wetlands, the contractor is to ensure that minimal to no impact of these buffers take place. Silt fencing, sediment logs, and other prevention BMPs will be implemented to provide adequate protection to ensure that no disturbance of the feature takes place. Post installation, the construction area surrounding the feature must be immediately stabilized to prevent erosion and sediment buildup. All erosion and sediment controls shall remain in place and properly functioning until final stabilization has been reached. For all HDD bore areas, the equipment area will be isolated by control measures to ensure that no accidental releases of harmful materials are discharged to the surrounding area. As explained in Section I, the contractor is required to have on hand a Frac-out Plan in the extreme case that a frac-out does occur during HDD operations.

Muddy water to be pumped from excavation and work areas must be held in settling basins or filtered or chemically treated prior to its discharge into surface waters. Water must be discharged through a pipe, well-grassed or lined channel or other equivalent means so that the discharge does not cause erosion and sedimentation. Discharged water must not cause an objectionable color contrast with the receiving stream.

During extended dry periods, periodic sprinkling of water on the proposed construction access roads and the areas where land grading is occurring will control excessive dust.

During final stabilization, all unpaved disturbed (lawns, farm fields) areas will be covered with topsoil, seeded and mulched in order to establish a permanent vegetative cover. These areas will be seeded and mulched within 15 days of the time that topsoil is replaced. Lawn areas will be seeded and mulched according to the seeding schedule shown on the drawings. Agricultural field areas shall be restored with existing topsoil depth and covered with straw mulch only other less otherwise instructed. Straw mulch will be crimped in all areas.

IX. MAINTENANCE PLAN

All erosion and sediment control measures identified as needing maintenance in inspections must be repaired prior to next storm event or within 7 days after the need is identified. Sediment must be removed and controls must be restored to original condition when the sediment has accumulated to 50% of the design capacity. Permittees shall maintain a rain gauge and daily rainfall records at the site, or use a reference site for a record of daily amount of precipitation. Maintenance recommendations for typical erosion and sediment controls are located below:

1. Construction Entrances

- a) The entrance shall be maintained in a condition, which will prevent tracking or flow of mud onto public rights-of-way. This may require washing as the condition demands. All materials spilled, dropped, washed or tracked from vehicles onto roadways or into storm drains must be removed immediately. The use of water trucks to remove materials dropped, washed, or tracked onto roadways will not be permitted.
- b) If sediment escapes the construction site, off-site accumulations of sediment that have not reached a stream must be removed at a frequency sufficient to minimize offsite impacts (e.g.,

fugitive sediment that has escaped the construction site and has collected in a street must be removed so that it is not subsequently washed into storm sewers and streams by the next rain and/or so that it does not pose a safety hazard to users of public streets). Permittees shall not initiate remediation/restoration of a stream without consulting the Tennessee Department of Environmental Conservation first. This permit does not authorize access to private property. Arrangements concerning removal of sediment on adjoining property must be settled by the permittee with the adjoining landowner.

2. Temporary Silt Fences/Sediment Logs

- a) Silt fences/sediment logs shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
- b) Close attention shall be paid to the repair of damaged silt fence resulting from end runs and undercutting.
- c) Should the fabric on a silt fence decompose or become ineffective prior to the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced promptly.
- d) Sediment deposits must be removed when deposits reach approximately one-half the height of the barrier.
- e) Any sediment deposits remaining in place after the silt fence/sediment log is no longer required should be dressed to conform to the existing grade, prepared and seeded.

3. Inlet Protection

- a) The structure shall be inspected after each rain and repairs made as needed as previously described in detail in Section VII.
- b) Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to one half the design depth of the top. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- c) Aggregate shall be replaced or cleaned when inspection reveals that clogged voids are causing ponding problems, which interfere with on-site construction.
- d) Structures shall be removed and the area stabilized when the remaining drainage area has been properly stabilized.

4. Diversion Ditch

- a) The measure shall be inspected after every storm and repairs made to the dike, flow channel, outlet or sediment trapping facility, as necessary. Once every two weeks, whether a storm event has occurred or not, the measure shall be inspected and repairs made if needed.

5. Outlet Protection

- a) Inspection of the storm drain outlet protection methods should be made before anticipated storm events (or series of storm events such as intermittent showers over one or more days) and within 24 hours after the end of a storm event of 0.5 inches or greater, and at structures including geotextile lining, after heavy rains to see if any erosion around or below the riprap has taken place or if any stones have been dislodged.
- b) Immediately make all required repairs to prevent further damage. Maintenance needs identified in inspections or by other means should be accomplished before the next storm event if possible but in no case more than seven days after the need is identified.

6. Sheet Piling

- a) To prevent damage to the road bed and erosion of the shoulder embankment and contamination of the wetlands, parallel sheet pilings will need to be installed and the force main piping installed in a trench between the two sheet piles. The sheet piles will need to be removed once the trench is backfilled.

X. SCOPE OF ANALYSIS

In the case of a linear construction project such as this, all disturbed area shall be kept to within the defined construction easement limits. All disturbed areas must be restored to original conditions after installation of the force main is completed. Since the project is approximately 36 miles in length, a variety of land uses will be disturbed. All permanent stabilization shall consist of seed and mulch, seeded matting, or sod based on the site slope and classification. Matting and sod shall be inspected twice per calendar week to ensure roots take hold and no undercutting has occurred. Agricultural fields must be taken into exception in the fact that no seed is necessary unless otherwise specified or directed to apply. All areas must also be permanently stabilized with accordance to the requirements specified within the State of Tennessee NPDES Permit. No additional runoff is anticipated from this construction project.

XI. NON-SEDIMENT POLLUTANT CONTROLS

Litter, construction debris, and construction chemicals exposed to storm water shall be picked up prior to anticipated storm events or before being carried off of the site by wind (e.g., forecasted by local weather reports), or otherwise prevented from becoming a pollutant source for storm water discharges (e.g., screening outfalls, daily pick-up, etc.). After use, materials used for erosion prevention and sediment control should be removed or otherwise prevented from becoming a pollutant source for storm water discharges.

If dust suppressants are to be used, the areas the dust suppressants will be applied should be remote from all watercourses, drainage ditches, field drains or other storm drainages areas. Used oil may not be used as a dust suppressant.

Wash out of cement trucks should occur in a diked, designated area away from any conveyance channel. Fueling of tools and small equipment, equipment maintenance, and chemical mixing should be located in the diked areas away from drainage channels. If a release containing a hazardous substance in an amount equal to or in excess of reporting quantity established under either 40 CFR 117 or 40 CFR 302 occurs during a 24 hour period, the contractor will immediately notify the permittee.

XII. OFF-SITE SEDIMENT TRACKING

The Contractor shall be responsible to maintain good housekeeping practices on-site, as well as on the surrounding public and private roadways. Installing gravel construction entrances in locations deemed necessary by the contractor and conducting regular scraping/sweeping activities will minimize tracking of sediments by vehicles. Scraping/sweeping activities shall be maintained on all public haul roads on a daily basis and/or at the direction of the city or county engineer.

XIII. POTENTIAL DELAYS

The Contractor shall be aware of the following construction activities that may cause delays in construction processes of force mains 1, 2, and 3 respectively:

- a) The cutting and removal of trees within the working limits shall only take place during the time period of October 15th to March 31st per the agreement with the U.S. Fish and Wildlife Service.
- b) The crossing, open cutting, and repair of the roadways will be required to be coordinated with the responsible agency with jurisdiction of that particular roadway prior to disturbance.
- c) The disturbance of any land that is enrolled in the Conservation Reserve Program (CRP) cannot be disturbed during the primary nesting season of April 15th to July 1st. See the construction plans in **Appendix II** for these locations.

XIV. NOTICE OF TERMINATION

Once the site reaches final stabilization, a Notice of Termination (NOT) must be filed. A NOT is to be filed when all of the following criteria is met on all disturbed areas within the development for which the NOT has been filed.

- a) All perennial, vegetative cover (or other comparable permanent stabilization practice) has grown to a 70-percent density throughout the entire disturbed area.
- b) All temporary sediment and erosion controls have been removed and disposed of properly.
- c) All trapped sediment has been permanently stabilized to prevent further erosion.
- d) All construction activities have ceased.

The NOT is to be filed within 45 days of when a site reaches final stabilization.

XV. CONTRACTORS AND SUB CONTRACTORS LIST

A list of all contractors and sub-contractors (who are not operators) involved in the implementation of the Storm Water Pollution Prevention Plan must be maintained as proof acknowledging that they reviewed and understand the conditions and responsibilities of the Storm Water Pollution Prevention Plan. This document shall be created and signatures obtained prior to commencement of work on the construction site. A sample form is located in **Appendix VII**.

XVI. SWPPP AMENDMENT

The inspection frequency can be reduced for areas that have been finally stabilized as long as a written notification of the intent and justification of the request is submitted to the local Environmental Field Office for review and approval. Additionally, if the inspection reveals that a control practice fails to perform its intended function and that another, more appropriate control practice is required, the SWPPP will be amended. If construction activities or design modifications are made to the site plan, which could impact storm water, this SWPPP will be amended appropriately. The amended SWPPP will have a description of the new activities that contribute to the increase pollutant loading and the planned source control activities.

XVII. GENERAL CERTIFICATION

Owner/Developer:

The State of Tennessee

Contact Person:

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information 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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Signature _____

Name _____

Title _____

Date _____


XVII. GENERAL CERTIFICATION

Owner/Developer:

The State of Tennessee

Contact Person:

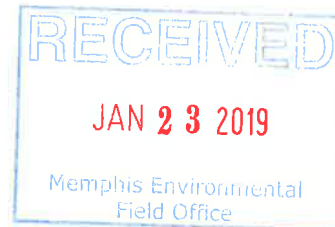
I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Signature  John Hull
cn=John Hull, o=Dept. of General Services,
ou=STREAM, email=John.Hull@tn.gov, c=US
2019.01.23 14:12:25 -06'00'

Name John M. Hull, Esq.

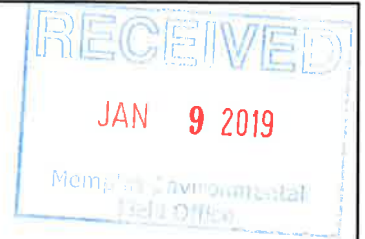
Title Deputy Commissioner

Date 01.23.2019



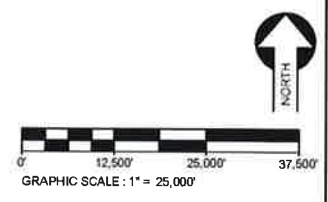
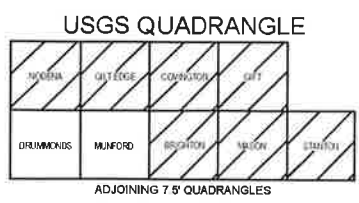


PROJECT NO	012-02080-16	DRAWING TITLE:	PROJECT TITLE:
PROJECT MANAGER	D. HIBDON	SITE LOCATION GENERAL NPDES PERMIT NOTICE OF INTENT	MRM FORCE MAIN
DESIGNED:	E. LANG		DRAWING NO.
CHECKED:	C. HARTMAN		EXHIBIT 1 OF 3
COPYRIGHT	SSOE, Inc. 2018		



BEGINNING SITE LOCATION
FREDONIA LOOP RD. STANTON, TN
HAYWOOD COUNTY, TENNESSEE
MASON, TN QUADRANGLE

ENDING SITE LOCATION
TIPTON COUNTY, TENNESSEE
NODENA, AR-TN QUADRANGLE



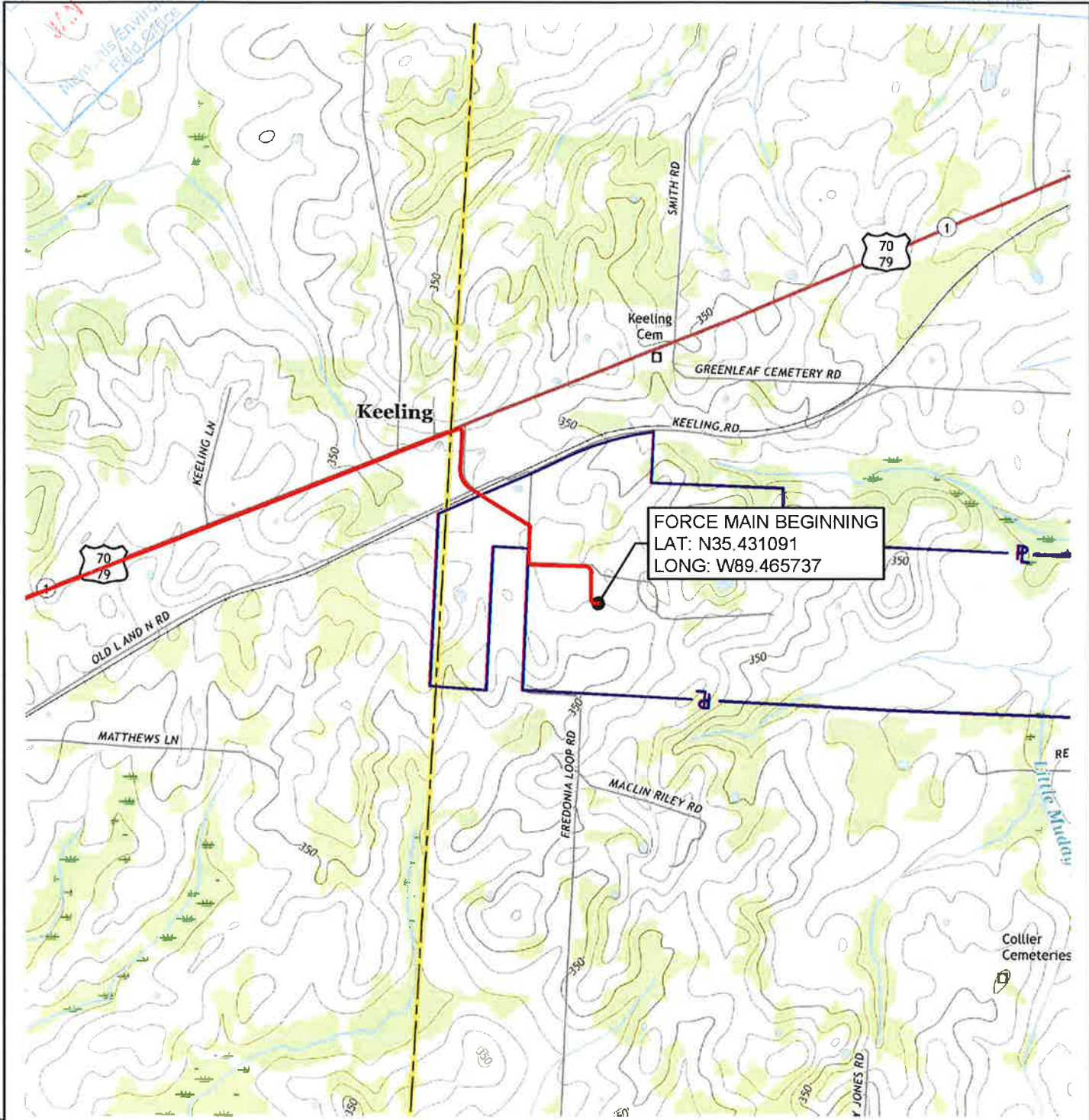
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PROJECT NO: 012-02080-16
 PROJECT MANAGER: D. HIBDON
 DESIGNED: E. LANG
 CHECKED: C. HARTMAN
 CO-PILOT: SSOE, Inc. 2018

DRAWING TITLE:
**SITE LOCATION
 GENERAL NPDES PERMIT
 NOTICE OF INTENT**

PROJECT TITLE:
MRM FORCE MAIN
 DRAWING NO:
EXHIBIT 2 OF 3

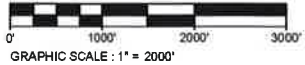


BEGINNING SITE LOCATION
 FREDONIA LOOP RD. STANTON, TN
 HAYWOOD COUNTY, TENNESSEE
 MASON, TN QUADRANGLE

USGS QUADRANGLE

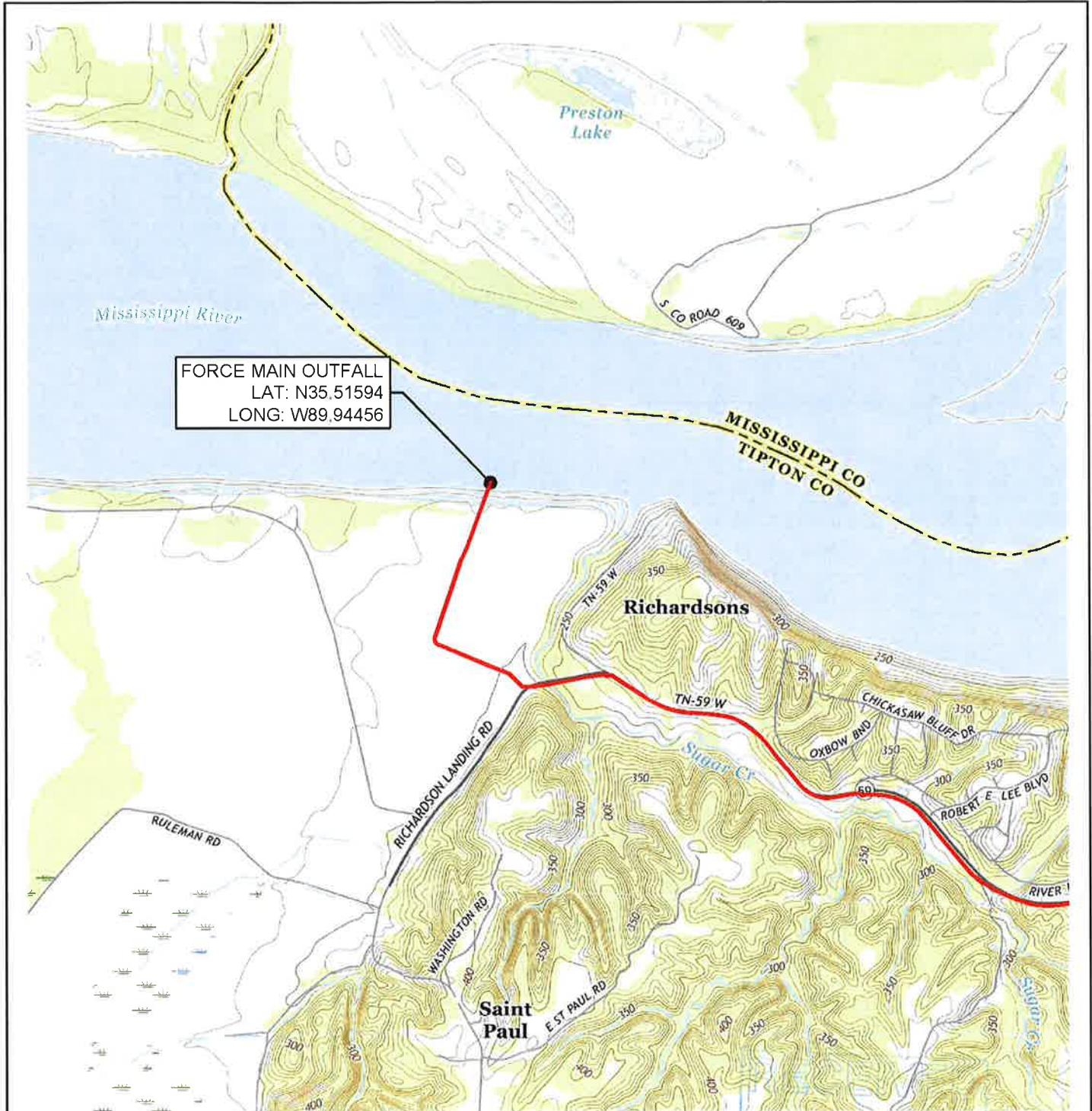
NOBINA	QILT EDGE	COVINGTON	GIFT	TURKLE
DRUMKENS	MUNFORD	BRIGHTON	MASON	STANTON

ADJOINING 7.5' QUADRANGLES





PROJECT NO:	012-02080-16	DRAWING TITLE:	SITE LOCATION GENERAL NPDES PERMIT NOTICE OF INTENT	PROJECT TITLE:	MRM FORCE MAIN
PROJECT MANAGER:	D. HIBDON	DESIGNED:	E. LANG	DRAWING NO.:	EXHIBIT 3 OF 3
CHECKED:	C. HARTMAN				
COPYRIGHT:	SSOE, Inc. 2018				



FORCE MAIN OUTFALL
LAT: N35.51594
LONG: W89.94456

ENDING SITE LOCATION
TIPTON COUNTY, TENNESSEE

NODENA, AR-TN QUADRANGLE

USGS QUADRANGLE

NODENA	GILT EDGE	CONINGTON	GFT	TURNPIKE
DRUMMONDS	MUNFORD	BRIGHTON	MADISON	STANTON

ADJOINING 7.5' QUADRANGLES

JAN 9 2019
Memphis Environmental
Field Office

