

**FS/HAAF DPW Environmental Outline of the NPDES Permitting Requirements
For Stormwater Discharges Associated With Stand Alone Construction Projects**

*****INSPECTIONS*****

The Inspections noted below must be conducted until a NOTICE OF TERMINATION [NOT] is submitted to GA EPD

DAILY when any type of construction activity has taken place at the site, qualified personnel shall inspect:

- Areas where petroleum products are stored, used, or handled for spills/leaks from vehicles and equipment.
- Locations where vehicles enter or exit the site for evidence of off-site sediment tracking.
- Measure rainfall once each twenty-four hour period at the site and keep a daily log.

WEEKLY and within **24 HOURS OF A STORM** (rainfall: 0.5 inches or greater)-

- Areas that have **NOT** undergone final stabilization.
- Storage areas that are exposed to precipitation that have **NOT** undergone final stabilization.
- Structural control measures.
 - ❖ Observe E&S control measures unique to each site (on the E&SPCP) to guarantee they are in place & functioning correctly.
 - ❖ Inspect stormwater discharge/outfall locations, to determine whether BMPs are effective in preventing impacts to receiving water(s).

MONTHLY (until a Notice of Termination is submitted to GA EPD) for **areas of the site** that have **undergone final stabilization**:

- Check for **evidence of, and/or potential pollutants** that may enter the drainage system and the receiving water(s).
- Observe **BMP** control measures for the site, noted on the E&SPCP, to ensure they are in place & functioning properly.
- Inspect stormwater discharge/outfall locations, to determine whether BMPs are effective in preventing impacts to receiving water(s).

PLAN UPDATES: Upon the discovery of any deficiencies with BMPs the Contractor must implement the needed changes **NO** later than 7 days following an inspection, and update the E&SPCP accordingly.

REDLINE E&SPCP: FS/HAAF require **all E&S Modifications** on construction sites to be **REDLINED** and approved by **NRCS** "technical oversight".

A REPORT for **each** inspection shall include a **NAME(s)** of inspector, **DATE(s)**, **SUMMARY**, **OBSERVATIONS**, **MODIFICATIONS**, and **REDLINING** to the E&SPCP.

- ❖ **RECORDS** shall be **readily available on site** or at another designated location in proximity until a Notice of Termination is submitted to GA EPD.
- ❖ Such reports shall **identity** any **incidents** of **Non-Compliance**
- ❖ If **COMPLIANT** with the E&SPCP & NPDES permit, the report shall contain a **SIGNED CERTIFICATION STATING SO**.

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*****MAINTENANCE*****

Maintenance must be performed throughout the duration of the project until a NOTICE OF TERMINATION (NOT) is submitted to GA EPD):
The ES&PCP includes a description of procedures to ensure the timely maintenance of Vegetation, Erosion & Sediment Control Measures.

*****SAMPLING REQUIREMENTS*****

NPDES Permitting requires monitoring of nephelometric TURBIDITY units (NTUs) in the receiving water(s) and/or outfalls of the site.

Sample requirements for submittal to GA EPD must include:

USGS TOPOGRAPHIC MAP (scale 1:24000 or more detailed):

- Site location.
- All streams and other water bodies.
- All verified/delineated streams/water bodies located during mandatory field verification.

RECEIVING WATERS or OUTFALL LOCATIONS (can be hand-drawn if not on the USGS map) for stormwater sampling:

- Point where the storm water(s) enters the receiving water(s).
- Point where the receiving water(s) combines with the first blue line stream shown on the USGS topographic map.

WRITTEN NARRATIVE providing site specific information:

- Precise methods used to collect, handle and analyze the samples including quality control/quality assurance procedures for each sample location.

RATIONALE must be included for the NTU limit(s) selected from Appendix B and must include: **(It is highly recommended that a sample collection occurs prior to the submittal of the NOI, to establish actual receiving water NTU readings during a rain event of 0.50" or greater, to compare with the Appendix B standards. Otherwise, the sampling standards recorded on the NOI from the Appendix B, must be adhered to for compliance).**

- Size of site, calculation of square miles surface water drainage, and type of receiving water(s) [supporting warm water fisheries].
- GA EPD may request additional information as part of the E&SPCP

Appendix B: For Warm Water (Supporting Warm Water Fisheries)

Surface Water Drainage Area, square miles

		0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
Site Size, acres	1.00-10	75	150	200	400	750	750	750	750
	10.01-25	50	100	100	200	300	500	750	750
	25.01-50	50	50	100	100	200	300	750	750
	50.01-100	50	50	50	100	100	150	300	600
	100.01+	50	50	50	50	50	100	200	100

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SAMPLE COLLECTION: the sample in containers for analysis **are not required to be cooled:**

- Containers should be labeled prior to collection.
- Well mixed before transferring to a secondary container.
- Use large mouth, well cleaned and rinsed glass, or plastic jars.
- Samples taken beyond minimum requirements must be submitted to GA EPD (*see sampling frequency in the NPDES Permit for more details*).
- All discharge points/outfalls noted on the ES&PCP must be sampled for compliance (*if modifications occur the E&SPCP must be redlined by NRCS to reflect these changes*).

MINIMUM GUIDELINES:

- **UPSTREAM** sample must be taken immediately upstream from the first stormwater discharge location from the site (downstream from other discharges not associated with this site).
- **DOWNSTREAM** sample must be taken downstream from the last stormwater discharge from the site (upstream from non-related discharges).
- Where appropriate for **BOTH**, take several samples from across the receiving water(s) and mathematically average for the turbidity (NTU) value.

SAMPLING FREQUENCY:

The first rain event to reach or exceed **0.50 inch** and allows for monitoring * **MON-SAT, 8:00 AM to 5:00 PM** (excluding Federal holidays) after all **CLEARING AND GRUBBING** operations have been completed in the drainage area of the sampling location.

- ❖ **IN ADDITION TO ABOVE,** occurs **90 DAYS** after the first sampling event **OR** after all **MASS GRADING** operations have been completed in the drainage area of the location selected as the sampling location, whichever comes first.
 - **IF sampling is compliant with allowable NTUs which shows BMPs** are properly designed, installed, and maintained **no further action is required.**
 - **IF Not,** there must be corrective action performed **within 2 business days,** and **must continue to take turbidity samples during 0.50 inch events** or greater until compliant the NTU standard is attained.
 - IF sampling is **DIFFICULT** due to adverse climatic conditions, as defined in the permit, or are beyond the permittee's control, take the samples **ASAP,** but **NO** more than **12 hours** after the beginning of the stormwater discharge.