

PROJECT AREA = 9.48 AC.  
 DISTURBED AREA = 6.69 AC.

**MONITORING GENERAL NOTES:**

Representative sampling may be utilized on this project. The characteristics of the individual watersheds along the project corridor have been carefully evaluated and compared on the basis of drainage characteristics, watershed size, land disturbance and earth work. After evaluation of these items as presented in the projects drainage area maps, hydrology and hydraulic studies, construction plans and erosion sedimentation and pollution control plans, it has been determined that the increase in turbidity at the specified locations will be representative of the increase in turbidity for all waters leaving the site. Approved primary and alternate representative monitoring sites are identified in the table.

Monitoring Site	Primary or Alternate Site	Location (Sta. and Side)	Name of Receiving water	Applicable construction stage for monitoring	Sampling Type (Outfall or Receiving Water)	Drainage Area (Acres)	Disturbed Area (Acres)	Warm or Cold water Stream	Appendix B NTU value (outfall Monitoring Only)	Allowable NTU Increase (For Receiving Water)	Location Description
1.	Primary	SR 124 31+66 40' RT	Indian Creek	N/A	Receiving	47.57	0.62	Warm	N/A	10	A unnamed tributary of Indian Creek
2.	Alternate	SR 124 22+00 90' RT	Indian Creek	N/A	Outfall	65.97	4.16	N/A	50	N/A	Existing 4'x3' box culvert outlet

(According to the EPD, additional monitoring sites may be required depending on significant changes in typical sections)

The primary site specified should be used as the initial sampling location. The alternate sampling sites may be used if additional sampling is required and/or if the primary sampling site is no longer located within the active phase of construction.

**READY MIX CHUTE/HOPPER WASHDOWN**

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of portland cement concrete is prohibited on this site. In accordance with standard Specification 107 - Legal Regulations and Responsibility to the Public, only the discharge "chute" utilized in portland cement concrete delivery may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travel way, including shoulders, for a wash/pit area. The pit shall be large enough to store all wash-down water without overtopping the pit. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above shall be graded to match the elevation of the surrounding areas smoothed out. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down water pit location that includes the following: (1) the pit is located away from a storm drain, stream or river, (2) the pit is accessible to the vehicle being used for wash-down, (3) the pit has enough volume for wash-down water, and (4) make sure you have permission to use the area for wash-down. On some sites, you may not have permission or access to a location which allows for a wash-down pit. In those cases, the Contractor may have to wash-down into a wheelbarrow or other container and carry the container for transport to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down."

**INSPECTIONS**

The Town of Braselton will provide one copy of required inspection forms for use and duplication. Inspection forms may change during the contract to reflect regulatory agency needs or the need of the Town of Braselton. Any costs associated with the change of inspection forms shall be considered incidental. Alternate formats of the provided forms may be created, used and submitted by the Contractor provided the required content and/or data fields and verbatim certification statements from the Town of Braselton current forms are included.

The Engineer shall inspect the installation and condition of each erosion control device required by the erosion control plan within seven days after initial installation. This inspection is performed for each stage of construction when new devices are installed. The WECS shall ensure all installation deficiencies reported by the Engineer are corrected within two business days. Ensure that the inspections of the areas listed below are conducted by certified personnel and at the frequencies listed. Document all inspections on the appropriate form provided by the Department.

**1. Daily:**

- a. Petroleum product storage, usage and handling areas
  - b. All locations where vehicles enter/exit the site
- Continue these inspections until all entry and exit sites are stabilized and fuel is not stored or transferred on the site. Utilize the Daily Inspection Form.

**2. Weekly and after Rainfall Events:**

- Conduct inspections on these areas every seven calendar days and within twenty-four hours after the end of a rainfall event that is 0.5 in (13 mm) or greater:
    - a. Disturbed areas not permanently stabilized
    - b. Material storage areas
    - c. Structural control measures, Best Management Practices (BMPs)
    - d. Water quality monitoring locations and equipment
- Continue these inspections until all BMPs have been removed. Utilize the EC-1 Form.

**INSPECTIONS (CONTINUED)**

**3. Monthly:**

Once per month, inspect all areas where final stabilization has been completed. Look for evidence of sediments or pollutants entering the drainage system and or receiving waters. Inspect all permanent erosion control devices that remain in place to verify the maintenance status and that the devices are functioning properly. Continue these inspections until the Notice of Termination is submitted. Utilize the Monthly Inspection Form.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deduction as specified in the contract documents.

**SAMPLING AND REPORTING**

Perform inspections, rainfall data collection, testing of samples, and reporting the test results on the project according to the requirements in Part IV of the NPDES Infrastructure permit and GDOT Specification 167 (See below). Take samples manually or with the use of automatic samplers, according to the permit. Analyze all according to the permit, regardless of the method used to collect the samples. If samples are analyzed in the field using portable turbidimeters, the monitoring results shall state that they are being used and a digital readout of NTUs is what is provided. Submit bench sheets, work sheets, etc., when using portable turbidimeters. There are no exceptions to this requirement. Perform required inspections and submit all reports required by GDOT Specification 167 (See below) within the time frames specified. Failure to perform the inspections within the time specified will result in the cessation of all construction activities with the exception of traffic control and erosion control. A non-refundable deduction will be taken from the schedule below whenever the WECS fails to submit as described below.

**Reports:**

**1. Inspection Reports:**

- Summarize the results of inspections noted above in writing on the appropriate Daily, Weekly, Monthly or EC-1 form provided by the Town of Braselton. Include the following information:
  - Date(s) of inspection
  - Name of personnel performing inspection
  - Status of devices
  - Observations
  - Action taken
  - Signature of personnel performing the inspection
  - Any incidents of non-compliance

The inspection form certification sheet shall be signed by the project WECS and the inspector performing inspections on behalf of the WECS (if not the same person). Submit all inspection reports to the Engineer within twenty-four hours of the inspection. The Engineer will review the submitted reports and inspect the project to determine their accuracy. The Engineer will notify the certified personnel of any additional items that should be added to the inspection report. Correct any items listed in the inspection report requiring routine maintenance within 72 (seventy two) hours of notification. Assume responsibility for all costs associated with additional sampling as specified in Part IV.D.6.d.3.c) of the NPDES GAR 100002 permit if either of these conditions arise:
 

- BMPs shown in the Plans are not properly installed and maintained, or
- BMPs designed by the Contractor are not properly designed, installed and maintained.

**2. Monitoring Reports**

**a. Report Requirements**

Include in all reports, the following certification statement, signed by the WECS or consultant providing monitoring on the project:

"I certify under penalty of law that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that certified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information 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."

When a rainfall event requires a sample to be taken, submit a report of the monitoring results to the Engineer within seven working days of the date the sample was obtained. Include the following information:

- 1) Date of sampling
- 2) Rainfall amount on sample date (sample date only)
- 3) NTU of sample & analysis method
- 4) Location where sample was taken (station number, etc.)
- 5) Receiving water or outfall sample
- 6) Project number and county
- 7) Whether the sample was taken by automatic sampler or manually (grab sample)

**b. Report Requirements with No Qualifying Rainfall Events**

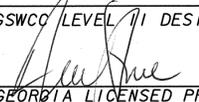
In the event that a qualifying rainfall event does not occur prior to the submittal of the NOT (Notice of Termination), submit a report that states "No qualifying rainfall event occurred and no samples were taken."

**c. Test Results**

Provide monitoring test results to the Engineer within 48 hours of the samples being analyzed. This notification may be verbal or written. This notification does not replace the requirement to submit the formal monitoring summary to the Engineer within 7 working days of the samples being collected.

**3. Rainfall Data Reports**

Record the measurement of rainfall once each twenty-four hour period. Measure rainfall data at the active phase of construction on the site. Project rain gauges and those used to trigger the automatic samplers are to be emptied after every rainfall event. This will prevent a cumulative effect and prevent automatic samplers from taking samples even though the rainfall event was not a qualifying event. The daily rainfall data supplied by the WECS to the Engineer will be the official rainfall data for the project.

GSWCO LEVEL I DESIGN PROFESSIONAL NO. 0000018858  
  
 GEORGIA LICENSED PROFESSIONAL 8/3/10 DATE



**REVISION DATES**

8/2/10		

TOWN OF BRASELTON

OFFICE:  
**BMP GENERAL NOTES**

SR53 & SR124  
 INTERSECTION REALIGNMENT

DRAWING No.  
**51-02**