

## Storm Water Pollution Prevention Plan

### for:

2267- Bar Harbor South  
134 Kitteridge Brook Road  
Bar Harbor, ME 04609

### Applicant:

AT&T Mobility  
550 Cochituate Road  
Suite 13 & 14  
Framingham, MA 01701  
(508) 271-8352

### SWPPP Contact:

Dewberry-Goodkind, Inc.  
280 Summer Street 10th Floor  
Boston, MA 02210  
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### SWPPP Preparation Date:

December 7, 2010



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## SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

### 1.1 Project/Site Information

**Introduction:**

This report is being submitted on behalf of AT&T Mobility/SAI Communications pursuant to the requirements of the Town of Bar Harbor Land Use Ordinance. The project consists of the development of a telecommunications facility located in the town of Bar Harbor, ME on a 13.5± acre property. The project involves the construction of a gravel access driveway and the erection of a 125' tall monopine inside a 50'x50' fenced compound area.

Project/Site Name: 2267- Bar Harbor South

Project Street/Location: 134 Kitteridge Brook Road

City: Bar Harbor, ME 04609 State: ME ZIP Code: 04609

County or Similar Subdivision: Hancock County

Latitude/Longitude:

Latitude:

44° 22' 57.83" N (degrees, minutes, seconds)

Longitude:

68° 19' 0.23" W (degrees, minutes, seconds)

Method for determining latitude/longitude:

USGS topographic map (specify scale: \_\_\_\_\_)

EPA Web site  GPS

Other (please specify): Field survey

Is the project located in Indian country?  Yes  No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." N/A

Is this project considered a federal facility?  Yes  No

NPDES project or permit tracking number\*: \_\_\_\_\_

*\*(This is the unique identifying number assigned to your project by your permitting authority after you have applied for coverage under the appropriate National Pollutant Discharge Elimination System (NPDES) construction general permit.)*

## 1.2 Contact Information

### Applicant:

AT&T Mobility:  
Kevin Mason  
550 Cochituate Road  
Suite 13 & 14  
Framingham, MA 01701  
(508) 271-8352

### This SWPPP was Prepared by:

Dewberry-Goodkind, Inc:  
280 Summer Street 10th Floor  
Boston, MA 02210  
(617) 695-3400  
Fax: (617) 695-3310

## 1.3 Nature of Construction Activity

AT&T Mobility/SAI Communications plans to build a 1,076' ± long gravel access driveway and a 50'x50' gravel compound. AT&T Mobility/SAI Communications will be responsible for the overall site development and construction activities. Construction activities will include clearing and grubbing, installing erosion and sediment controls, grading, installation of the tower and shelter foundation, and installation of post-construction controls. After construction is completed and vegetation has been established, all temporary erosion and sediment control items will be removed.

What is the function of the construction activity?

- Residential    Commercial    Industrial    Road Construction    Linear Utility  
 Other (please specify): Telecommunications Facility

## **1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns**

### ***Soils:***

According to the website of the United States Department of Agriculture-Natural Resources Conservation Service soils map for Hancock County Area, Maine, on-site soils consists of Schoodic-Rock outcrop-Naskeag complex, rolling. This soil type is classified as hydrologic group D soil.

### ***Slopes:***

The site consists of slopes varying from 1% to 15%. Slopes in the areas of proposed work range from 1% to 12%. The maximum slope of the proposed access road will be 8.81% for approximately 75 feet.

### ***Drainage Patterns:***

Pre-construction storm water runoff flows west/southwest over the undeveloped site without evidence of concentrated flow. The existing drainage pattern will be minimally affected post-construction due to the proposed access driveway. Runoff from a small area will be channelized through a proposed driveway swale and will be released back to the existing natural drainage area, with a portion to be released by a culvert with rip rap at the outlet to minimize the impact on downstream stability. Since the proposed site is part of a much larger overall catchment area, changes in post-construction discharge rates and volumes are expected to be insignificant.

## **1.5 Receiving Waters**

Storm water runoff will not discharge directly to any local water body or surface waters.

## **1.6 Site Features and Sensitive Areas to be protected**

A wetland was delineated by Audra Klumb of A&D Klumb Environmental. The access road is proposed to go through the wetland, impacting approximately 1,315 sq. ft. To preserve this area, Dewberry is proposing erosion controls during the construction phase to protect the wetland, as well as a culvert. Gabion walls are proposed to limit the impact to the wetland. (see Appendix B)

### **1.7 Endangered Species Certification**

Are endangered or threatened species and critical habitats on or near the project area?

Yes       No

To be determined. See NEPA Report by A&D Klumb Environmental

### **1.8 Potential Sources of Pollution**

Potential sources of sediment to storm water runoff are:

- Clearing and grubbing operations
- Grading and site excavation operations
- Vehicle tracking
- Solid Waste

Potential construction site pollutants:

- Concrete
- Glue/adhesives
- Diesel Fuel
- Paints
- Sealants

### **1.9 Historic Preservation**

Are there any historic sites on or near the construction site?

Yes       No

To be determined. See NEPA Report by A&D Klumb Environmental

### **1.10 Applicable Federal, Tribal, State or Local Programs**

The SWPPP complies with erosion and sediment control town requirements.

## **1.11 Maps**

See appendix A.

## **SECTION 2: EROSION AND SEDIMENT CONTROL BMPS**

The following Best Management Practice (BMP's) shall be implemented:

- Erosion and sediment control measures shall be installed and maintained as required during construction.
- Provide permanent surface stabilization following construction.

### **2.1 Controls to reduce pollutants from storm water**

Erosion and sedimentation controls shall be implemented as follows:

- Mark the limits of the work in the field.
- Install hay bales and silt fencing downhill from the proposed access driveway and compound and around the base of all large soil stockpiles in place for more than 10 days.
- Loam and fine grade grassed areas. Plant and seed permanent vegetation immediately upon completion of fine grading.
- Once exposed areas are permanently stabilized and construction is completed, remove all temporary erosion and sedimentation controls.

### **2.2 Non-structural measures**

#### **Seeding**

Upon completion of final grading, areas outside the access road, parking area, and compound shall be seeded. All seeded areas shall be inspected weekly and before/after significant rainfall events (greater than ½ inch of precipitation) and shall be reseeded as necessary until a dense cover of vegetation has become established.

### **Dust Control**

On dry and windy days when dust generation is a concern, a water truck shall traverse the site and spray water as necessary to prevent dust from being transported from the site. Trucks hauling material to and from the site shall be required to install secure covers over their loads.

### **Temporary Stock Piles**

All large stockpiles shall be maintained in a stabilized condition with erosion controls in place. Piles of excavated material shall be sprayed with water overnight and on weekends and long-term stockpiled material shall be securely covered with anchored tarps.

## **2.3 Structural Measures**

### **Rip Rap**

Rip rap shall be used to reduce the erosion of the swales to be installed north of the proposed compound in addition to reducing the dispersing the discharge. Riprap should be inspected annually and after major storms. If riprap has been damaged, repair it promptly to prevent a progressive failure. If repairs are needed repeatedly at a location, evaluate the site to determine if the original design conditions have changed.

### **Hay Bale and Silt Fence Barriers**

A barrier of hay bales and silt fence shall be installed in locations as necessary to prevent sediment migration from exposed portions of the site onto undisturbed areas. The erosion control barriers shall be inspected on a weekly basis. Any sediment in excess of 6 inches thick that collects behind the barriers shall be removed by hand or by machinery operating up-slope of the barriers. The removed sediment shall be either reused at the site or disposed of at a suitable offsite location. At no time shall sediments be deposited in any wetland or water body. Any damaged sections of silt fence or hay bales shall be repaired or replaced immediately upon discovery.

## 2.4 Other Measures

In addition to the previously described controls, construction shall conform to all specifications designated on the site plan. To achieve conformance, the following controls shall be

Implemented:

- Servicing and storage of equipment (including fueling, and changing, adding or applying lubricants or hydraulic fluids) overnight storage of equipment must be a minimum of 100 feet from the edge of adjacent resource areas.
- Used petroleum products must be properly disposed of off-site.
- Necessary hazardous materials are to be stored, used and disposed of in accordance with applicable State and municipal regulations.
- Construction vehicles are not to be washed on-site. All washing of construction vehicles shall be done offsite.
- Adequate sanitation facilities shall be provided on-site for construction crews.
- A spill contingency plan shall be implemented during construction, including the following provisions:
  1. Equipment necessary to quickly attend to inadvertent spills or leaks shall be stored on-site in a secure but accessible location. Such equipment shall include:
    - safety goggles
    - chemically resistant gloves and overshoe boots
    - water and chemical fire extinguishers
    - sand and shovels
    - suitable absorbent materials
    - storage containers and
    - first aid equipment
  2. Spills or leaks shall be treated properly in accordance with material type, volume of spillage and location of the spill. Mitigation shall include:
    - preventing further spillage

- containing the spilled material in the smallest practical area
  - removing spilled material in a safe and environmentally sound manner and,
  - mitigating any damage to the environment
3. For spills of <5 gallons of material, proceed with source control and containment and clean up with absorbent materials or other applicable means, unless an imminent hazard or other circumstances dictate that the spill should be treated by a professional emergency response contractor.

### **SECTION 3: GOOD HOUSEKEEPING BMPS**

Potential hazardous pollutants, such as diesel fuel and acid from the back-up batteries, shall be kept and stored appropriately and will not represent a threat to storm water contamination. The generator has a double wall tank to prevent leaks. Back-up batteries are kept inside the equipment shelter and are not exposed to ambient conditions. The equipment shelter is locked at all times and can be accessed only by authorized personnel.

Solid waste materials shall be collected and properly disposed off site.

### **SECTION 4: INSPECTIONS**

The maintenance and operation program is divided into two phases: The construction phase and the post-construction phase. In order to maintain the various functional capabilities of the storm water management system, scheduled inspections and maintenance of erosion and sedimentation controls shall be routinely performed by the contractor and/or an environmental site monitor, professional engineer, or his designated representative, soil scientist or geotechnical engineer during the construction phase.

#### **4.1 Construction Phase**

The inspection program during construction shall consist of the following:

- An environmental site monitor, a registered professional engineer, his or her designated representative or an environmental consultant competent in such evaluation, shall be selected by the owner.
- The contractor shall inspect sediment and erosion controls as previously mentioned for each measure in this report.
- All sediment and erosion controls shall be inspected within 24 hours following each storm event of at least ½ inches and a log of inspections shall be kept onsite.
- Immediate action shall be taken to correct any failures that are observed. The contractor shall notify the environmental site monitor of any failures immediately upon discovery and any corrective measures undertaken.

The maintenance program during construction will include the following:

- Repairs and/or adjustments to any erosion and sedimentation control structure found to be performing inadequately shall be promptly made by the contractor.
- A supply of materials such as silt fence and hay bales necessary to make repairs for first response in the event of an accidental release or failure shall be stored onsite.
- Accumulated debris shall be removed from outfalls as required to ensure positive drainage.

#### **4.2 Post-Construction Phase**

Upon completion of construction and acceptance of the access driveway and compound, all inspections and maintenance shall be the responsibility of the tower owner. The environmental site monitor, a registered professional engineer, his or her designated representative or an environmental consultant shall be responsible for the inspection and maintenance of the storm water management system after the construction is complete. The storm water outfalls shall be inspected on a routine basis once construction is completed and operational (typically once per month). During the post-construction period, routine maintenance shall include periodic cleaning and repair, as required, of outfalls as detailed above. The post-construction period is anticipated to allow a complete growing season to occur.

## **SWPPP APPENDICES**

***Appendix A – General Location Map***

***Appendix B – Construction Drawings***

***Appendix C – Rainfall Log***

***Appendix D – Corrective Action Log***

***Appendix E – SWPPP Amendment Log***

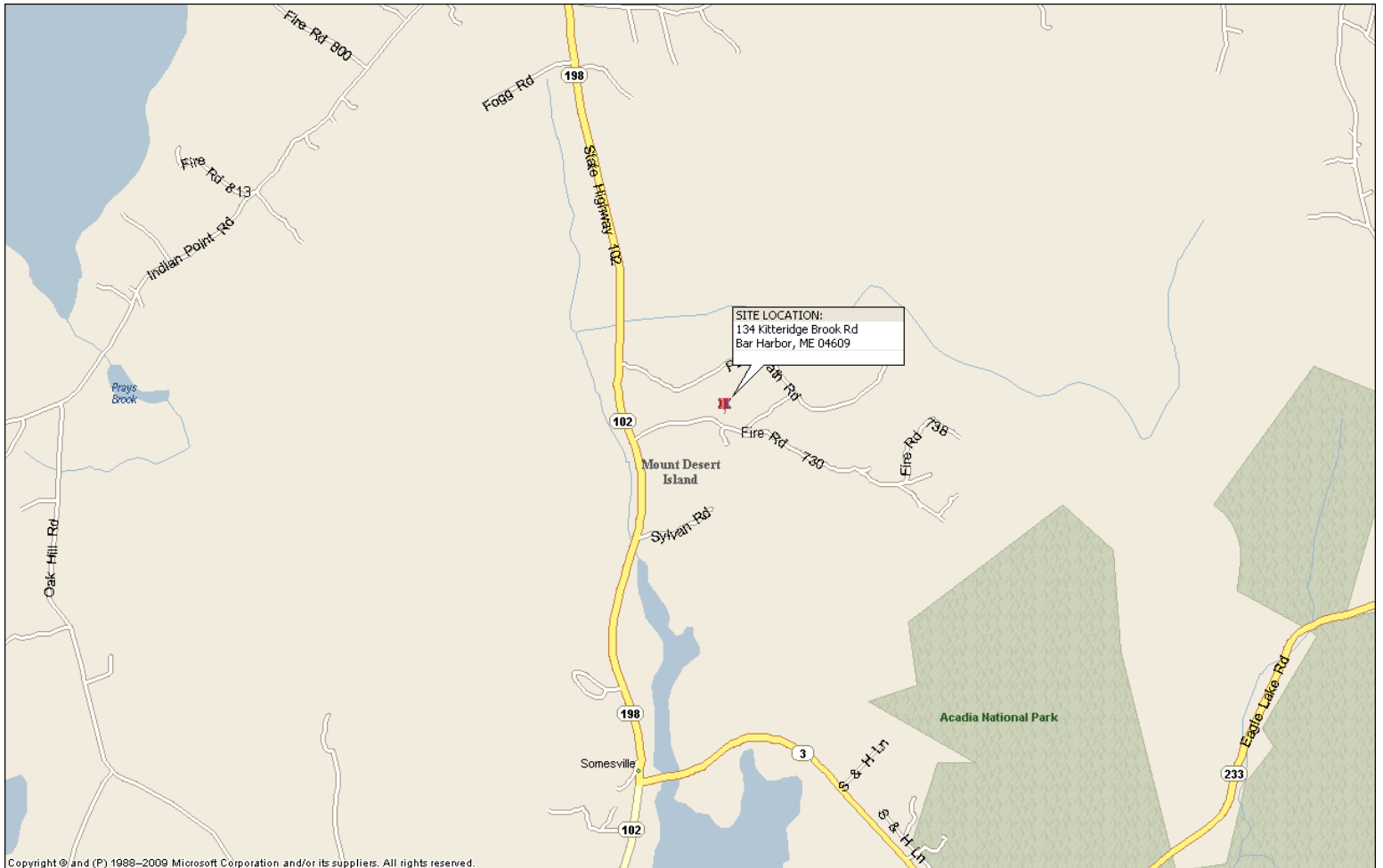
***Appendix F – Subcontractor Certifications/Agreements***

***Appendix G – Grading and Stabilization Activities Log***

***Appendix H – Delegation of Authority***

## Appendix A – General Location Map

**Project Name:** 2267 – Bar Harbor South  
**SWPPP Contact:** Dewberry-Goodkind, Inc.



## Appendix B – Construction Drawings

**Project Name:** 2267 – Bar Harbor South  
**SWPPP Contact:** Dewberry-Goodkind, Inc.

# Appendix C – Rainfall Log

Project Name: 2267 – Bar Harbor South  
 SWPPP Contact: Dewberry-Goodkind, Inc.

Year: 20\_\_

## STORM WATER POLLUTION PREVENTION PLAN PLAN PROJECT RAINFALL LOG

Month	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Day												
1												
2												
3												
4												
5												
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## Appendix F – Subcontractor Certifications/Agreements

### SUBCONTRACTOR CERTIFICATION STORMWATER POLLUTION PREVENTION PLAN

Project Number: \_\_\_\_\_

Project Title: \_\_\_\_\_

Operator(s): \_\_\_\_\_

As a subcontractor, you are required to comply with the Storm water Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact storm water must be identified and sign the following certification statement:

**I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.**

This certification is hereby signed in reference to the above named project:

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Type of construction service to be provided: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

## Appendix H – Delegation of Authority Form

### Delegation of Authority

I, \_\_\_\_\_ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit, at the \_\_\_\_\_ construction site. The designee is authorized to sign any reports, storm water pollution prevention plans and all other documents required by the permit.

\_\_\_\_\_ (name of person or position)  
\_\_\_\_\_ (company)  
\_\_\_\_\_ (address)  
\_\_\_\_\_ (city, state, zip)  
\_\_\_\_\_ (phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in \_\_\_\_\_ (Reference State Permit), and that the designee above meets the definition of a “duly authorized representative” as set forth in \_\_\_\_\_ (Reference State 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.

**Name:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

## Appendix G – Grading and Stabilization Activities Log

Project Name: 2267 – Bar Harbor South  
 SWPPP Contact: Dewberry-Goodkind, Inc.

Date Grading Activity Initiated	Description of Grading Activity	Date Grading Activity Ceased (Indicate Temporary or Permanent)	Date When Stabilization Measures are Initiated	Description of Stabilization Measure and Location