



AQUIFER PROTECTION AREA ASSESSMENT

March 3, 2015

**Cellco Partnership d.b.a. Verizon Wireless
99 East River Drive
East Hartford, CT 06108**

APT Project No.: CT1412300

Attn: Sandy Carter

**Re: Proposed Verizon Wireless
Southington - East Street Facility
Docket No. 455
99 East Street
Southington, Connecticut**

Dear Ms. Carter,

All-Points Technology Corporation, P.C. ("APT") understands that a proposed wireless telecommunications facility ("Facility") proposed by Cellco Partnership d.b.a. Verizon Wireless ("Verizon Wireless") at 99 East Street in Southington, Connecticut is located within the Southington Water Department's (PWSID #CT1310011) Aquifer Protection Area ("APA") for Wells #7 and #8 as noted in the Department of Public Health's ("DPH") February 4, 2015 letter to the Connecticut Siting Council.

The following precautions, protective measures, monitoring and notifications to protect this important resource are recommended to address the DPH comments. These recommendations will be incorporated into the final plans during the Council's Development and Management ("D&M") Plan process.

Erosion and Sedimentation Controls

The proposed Verizon Wireless construction project will follow an approved soil erosion and sedimentation control plan designed in accordance with the *2002 Connecticut Guidelines For Soil Erosion and Sediment Control*. The installed erosion devices will be inspected periodically throughout the construction period, with a focus on after significant rainfall events (e.g., greater than one quarter inch over a 24-hour period) to ensure that proper precautions are taken to avoid the release of sediment into nearby resource areas. These inspections will be documented on an Erosion and Sedimentation Control Site Inspection Form (please refer to attached example form). In addition to the site contractor being responsible for the proper installation and daily inspection of erosion and sedimentation ("E&S") controls, staff from APT will independently inspect E&S controls and document their conditions and recommend any actions necessary to bring the controls back into compliance. This E&S control inspection procedure will help avoid erosion and sedimentation problems by ensuring that the erosion control devices are maintained and functioning properly. A summary report following completion of construction will be submitted to the Southington Water Department and Connecticut Siting Council. Any incidents of release of sediment impacting nearby wetland resources will be immediately reported to the Southington Water Department and Connecticut Siting Council. In addition, Southington Water Department personnel will be allowed access to the project during construction for periodic field inspections should they desire.

Erosion and sedimentation control items subject to inspection include, but are not limited to the following:

- Construction Entrance Pad
- Sediment Traps
- Sediment/ Detention Basins
- Temporary Soil Stockpile Areas
- Silt Fencing/Hay Bales
- Seeding & Mulching
- Drainage Swales
- Drainage Swale Check Dams
- Other Site-Specific Erosion Control Devices

Petroleum/Hazardous Materials Storage and Spill Prevention Plan

Certain precautions are necessary to store petroleum and hazardous materials, refuel and contain and properly clean up any inadvertent fuel or petroleum (i.e., oil, hydraulic fluid, etc.) spill due to the project's location in an APA. A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the site contractor at the construction site throughout the duration of the project. In addition, a waste drum will be kept on site to contain any used absorbent pads/material for proper disposal off site.

The proposed equipment includes a propane fueled emergency power generator. Therefore, no storage or spill prevention precautions are required.

The following restrictions, protective measures and procedures will be adhered to by the contractor.

Petroleum and Hazardous Materials Storage and Refueling

- Servicing of machinery shall be completed outside of the APA.
- Refueling of vehicles or machinery shall occur a minimum of 100 feet from wetlands or watercourses and shall take place on an impervious pad with secondary containment designed to contain fuels.
- Fuel and other hazardous materials shall not be stored within the APA.
- Any fuel or hazardous materials that must be kept within the APA during working hours shall be stored on an impervious surface utilizing secondary containment a minimum of 100 feet from wetlands or watercourses.

Initial Spill Response

- Stop operations and shut off equipment.
- Remove any sources of spark or flame.
- Contain the source of the spill.
- Determine the approximate volume of the spill.
- Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby waterways or wetlands.
- Ensure that fellow workers are notified of the spill.

Clean Up & Containment

- Obtain spill response materials from the on-site spill response kit.
- Place absorbent materials directly on the release area.
- Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.
- Isolate and eliminate the spill source.
- Contact the Southington Water Department, immediately at (860) 628-5593, along with other appropriate local, state and/or federal agencies, as necessary.
- Contact a disposal company to properly dispose of contaminated materials.

Reporting

- Complete an incident report.
- Submit a completed incident report to the Southington Water Department and Connecticut Siting Council.

Herbicide/Pesticide Restrictions

The use of herbicides and pesticides at the proposed wireless telecommunications facility and along the proposed access drive are strictly prohibited.

Stormwater Management System

The Stormwater Management System ("SWMS") is designed in accordance with the State of Connecticut Department of Environmental Protection's 2004 Stormwater Quality Manual and the requirements of their Stormwater and Dewatering Wastewaters from Construction Activities General Permit. The hydraulics and other design criteria are consistent with the State of Connecticut Department of Transportation's 2000 Drainage Manual.

The site discharges to the same watershed as the existing conditions with no change to existing drainage patterns. The site is designed to maintain, or reduce, the velocity of runoff through the implementation of flatter slopes, longer drainage paths, and use of permanent erosion control textiles on filled slopes along the perimeter of the developed areas. These design elements will reduce the site's ability to transport sediment by reducing the energy within the stormwater runoff.

The design of the telecommunications compound area incorporates a clean broken gravel surface treatment, over a granular fill at grades less than 5%. This design element will slow the rate of flow across some of the steeper grades of the existing undeveloped area, promote increased infiltration and prevent shallow concentrated flow where erosion rills could be created.

Notification

The Southington Water Department and Connecticut Siting Council will be noticed at least 48 hours in advance of a pre-construction meeting with an invitation to attend. During the project's pre-construction meeting, the contractor will be made aware of the special protective precautions noted above that are required due to the project's location in the APA.

If you have any questions regarding the above-referenced information, please feel free to contact me at (860) 663-1697 ext. 201 or at dgustafson@allpointstech.com.

Sincerely,

All-Points Technology Corporation, P.C.



Dean Gustafson
Senior Environmental Scientist

Enclosure

**Verizon Wireless Example Erosion
and Sedimentation Control Site
Inspection Form**



SITE E&S INSPECTION FORM

Report No. _____

Verizon Wireless Southington – East Street Facility
 99 East Street
 Southington, Connecticut

APT Project #: CT1412300

Date of Inspection:	Weather Conditions:
Time of Inspection:	Latest Precipitation Event > ¼" (NOAA):
Observed Precipitation (on-site rain gauge):	Location of nearest NOAA Weather Station: Danbury, CT

Construction Activities Underway since last documented inspection:

Check if NOT Functioning Properly	Erosion Control Measure
<input type="checkbox"/>	Street Sweeping/ Construction Access
<input type="checkbox"/>	Stabilized Construction Entrance
<input type="checkbox"/>	Energy Dissipaters (Check Dams/ Level Spreader/ Outlet Protection)
<input type="checkbox"/>	Drainage Swales/Diversion Features
<input type="checkbox"/>	Temporary/Permanent Sediment Basins/Traps
<input type="checkbox"/>	Perimeter Controls (Hay/Straw Bales/Wattles & Silt Fencing)
<input type="checkbox"/>	Catch Basin Protection
<input type="checkbox"/>	Temporary/Permanent Slope Stabilization
<input type="checkbox"/>	Dewatering Hay Bale Basins and Filter Bags

* In the event of a spill refer to Spill Response Procedures in the SWPPP and contact appropriate agencies.

Are sediment/pollution discharges from the site present?		
<input type="checkbox"/> No	<input type="checkbox"/> Yes	If yes, describe:

ALL-POINTS TECHNOLOGY CORPORATION, P.C.

3 SADDLEBROOK DRIVE · KILLINGWORTH, CT 06419 · PHONE 860-663-1697 · FAX 860-663-0935

P.O. BOX 504 · 116 GRANDVIEW ROAD · CONWAY, NH 03818 · PHONE 603-496-5853 · FAX 603-447-2124

Immediate Action Items: None	
1.	
2.	
3.	

Additional Action Items/Comments: None	
1.	
2.	
3.	

Items/Comments Addressed From Previous Report(s): N/A	
1.	
2.	
3.	

General Notes:

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.

Erosion Control Inspector: _____ Date: _____

Qualifications: _____

**A copy of this report should be placed in the Monitoring Section of the Stormwater Pollution Prevention Plan, if applicable.