Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: February 22 and 23, 2006

Inspector: Don Ukers

Location: Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

Storm/ Rain Event: Only a trace of precipitation has been recorded since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	- **Hoyts Hill:** Access is gained off Hoyts Hill Road. Ruts and sedimentation remain at the access point in the stone 1/19-2/23/06. -Crews continue to be on site to drill excavations and install structures. 2/16-2/23/06. -**Archers Lane**: Conditions were muddy. Water levels at the wetland crossings on the access road to the ROW had remained constant or receded slightly since the last site visit. 2/23/06. - Trenching is underway within the access drive into the station for 345kV installation. 2/23/06 - **Norwalk Junction**: Sediment tracking did not appear to be an issue at this time. The snow removal issues noted last week with snow and sediment pushed into the swale remain. 2/16-2/23/06.	- Ruts should be smoothed out and additional stone installed along this portion to prevent further erosion and sedimentation. 12/30-2/23/06. - Additional haybales were installed and will have to be monitored for effectiveness. 1/26-2/23/06 -Sediment accumulation in the wetlands will have to be addressed. 2/2-2/23/06. - Snow removal for the ROW work caused sediment to the wetlands . 2/16-2/23/06 - The stone wall and natural barriers here appear to keep any sediment from the wetlands along the drive. Continue to monitor2/2-2/23/06 -Continue to monitor Rt. 7 at the main access pad. 2/22/06. - See erosion control section for more details on the sediment. 2/16-2/23/06

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Foundation construction	- At **Hoyts Hill:** Caisson drilling was occurring at the time of inspection for placing some of the steel structures on the pad. Dewatering has been necessary. 2/23/06. - Some stockpiles were present on the pad and were going to be removed. 2/16-2/23/06	-The station pad itself is in good shape but the adjacent areas need some attention. 1/19-2/23/06. - Some of the controls requested last week for dewatering were not installed. See EC and dewatering section for more details. 2/23/06
Foundation construction continued	- Additional work may be necessary on the outlet/dissipater pads as erosive gullies and sedimentation continue to worsen. 12/01-2/23/06. -At **Archers Lane**, work is ongoing around the steel structures within the station pad. 2/23/06 - The vault has been installed within the station pad and trenching is underway from there along the access road as part of the 345kV work. 2/23/06 -At **Norwalk Junction:** Work continues on the structures in the station pad. 2/23/06 - A large outlet pipe was directed to the riprap attenuation swale to dewater the well points on site. 2/23/06	-The stone may need to be extended based on the noted erosion issues. This will likely happen in the spring. See erosion control section. 12/01-2/23/06. -None at this time. The area is contained. 2/23/06 - See erosion control/ dewatering sections for more information. 2/23/06.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	-**Hoyts Hill**: Most of the perimeter silt fence remains in fairly good shape. 2/23/06 - Sedimentation continues to overwhelm the fence in the spot previously noted. Sedimentation continued to build through the fence and in the wetland.1/19-2/23/06 - Now this has been compounded by the dewatering from the site as sediment from this action has	- Repair/restaple the silt fence if necessary. 2/16-2/23/06 - Repair or install additional controls in the spot which washed through ASAP. More importantly- control the source of sedimentation (gullies) 1/19-2/23/06 - Sediment should also be removed by hand. 2/23/06 - These controls are even more important now that dewatering is occurring. We requested last

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Erosion and Sediment Controls continued	deposited here and controls were not improved as requested. 2/23/06 - The erosive gullies remain under snow cover on both the northern and southern slopes resulting in increasing sediment deposits along the silt fence. 10/27-2/23/06. -Less severe erosion was noted along the face of the southern silt fence. 1/26-2/23/06 - Although haybales were installed at the outlet and along the slope, they were not installed near the perimeter silt fence prior to dewatering as requested. 2/23/06 - A sand pile for mixing concrete was being stored in the driveway across from Rt. 58. 2/16-2/23/06	week that silt fence be toed in and haybales installed prior to dewatering. 2/23/06 - Gullies should be repaired and a stronger method of stabilization, such as erosion control mats should be considered. 10/27-2/23/06 -Extension of the outlet stone pad and restoration of erosion will likely occur in the spring when access is stable. 2/23/06 -A filter bag may be necessary to limit the sedimentation and turbidity before it enters the catch basin to the outlet. 2/23/06 - We have to confirm whether it is still there and if silt fence was installed. 2/23/06
	- **Archers Lane:** Controls along the access road to the ROW were somewhat degraded from snow plowing and sedimentation continues in the 1st wetland crossing to varying degrees from a fine layer over the leaf litter to several inches of accumulation. 1/26-2/23/06 -The drainage pipe from the station directs run-off to the stone swale that empties at the silt fence near the 2nd wetland crossing. 2/23/06 - Haybales remain in the swale and dewatering was not necessary for the 345kV trenching. Past run-off has resulted in sediment accumulation here. 2/23/06 - **Norwalk Junction**:	- Water levels have remained constant or decreased here to some degree. - Any easily accessible deposits of sediment will need to be removed. Fine layers of silt can remain. 1/26-2/23/06 -Issues from snow plowing for ROW use require attention from those crews. Sediment was pushed over the controls and into the wetlands. 2/23/06 - Current use is going well but sediment will need to be carefully removed from this area as well. 1/26-2/23/06 - The haybales appear to be

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	Haybales remain along the perimeter fence on site as an additional control. The silt fence remained adjacent to the river but needs to be toed-in in some locations, especially as snow/sediment pile were placed beyond the haybales. 1/26-2/23/06. -The wetland area outside the silt fence adjacent to the river, remain partially flooded with pooled, turbid water. 12/30-2/23/06 - Snow piles with sediment remained directly in and along the swale. This introduces more potential for turbidity. 2/16-2/23/06 - Erosive gullies/soil slumping remain in a number of locations along a portion of the drainage swale due to site run-off, resulting in further sedimentation to the swale. 12/30-2/23/06. Haybales remained in the inlets. 2/2-2/23/06 -Need for dewatering has resulted in a riprap swale built to the Norwalk River. An outlet pipe from the well points was in place. 2/23/06	working well, keeping mud and soil from the site from reaching the silt fence but there had been gaps due to the dewatering hose. 2/16-2/23/06 -Toe in silt fence due to the presence of the snow/dirt piles This area receives direct runoff from the site through the swale making water quality important. The adjacent site is disturbed resulting in this turbidity. 1/19-2/23/06 - These piles still need to be pulled back from the swale to prevent potential sedimentation as they melt. 2/16-2/23/06 - The erosion control matting on the swale likely needs to be extended up and over the top of slope to prevent further erosion until the growing season. 12/30-2/23/06 - Be sure to restore this area when work is complete. If pumps are still necessary near the river, place secondary containment See dewatering section. 2/16-2/23/06
Inland Wetland and Watercourse encroachment and mitigation	- **Hoyts Hill**: As part of the transition station, a small area of wetland was cleared and altered. The outer silt fence is still up as a work limit but could use some maintenance. 2/23/06. - Sedimentation continues to flush through the fence at this time and accumulate in a small area of the wetland beyond. 1/19-2/23/06 -This issue has worsened with	-In general, keep all equipment and materials out of wetlands not to be disturbed. 11/10-2/16/06 - The fence needs repair and additional controls in this spot- such as haybales. Pull back sediment by hand where feasible when conditions are stable. Control the sediment at

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	dewatering from the site. More sediment has accumulated and haybales were not installed here. 2/23/06 -**Archers Lane:** Watch run-off velocity down the completed slopes and walls. Pick up deposited sediment adjacent to and in the wetlands at the ROW access road crossings. 1/26-2/23/06 - **Norwalk Junction**: A riprap swale was built right to the river for dewatering on-site. Water is sent through several controls first and has been mostly clear. 2/16-2/23/06 - The outlet of the drainage swale is at the headwall of the wetland area. Turbidity issues continue to be noted here in the wetlands but have not had a significant impact on the river. 12/30-2/23/06.	its source- (the gullies) 1/19-2/23/06 - A filter bag may be necessary for dewatering. 2/23/06) - Pull back the sediment as a result of the snow plowing. See the ROW report for more details. 2/16-2/23/06 -See erosion control section for details on the turbidity issues which appear to be a result of work on site as well as the access road in the ROW 1/19-2/23/06 -Continue to monitor. 2/23/06 -See Erosion Control Section for more details. Reduce turbidity by controlling its source- disturbed surfaces on site. 12/30-2/23/06 –Remove sediment/snow from the swale 2/16-2/23/06
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-**Hoyts Hill**: The slopes and areas surrounding the site had begun to experience noticeable increase in growth before the cold weather but erosion issues continue and will need attention. 11/17-2/23/06 - Clearing is complete adjacent to the site for the 345kV XLPE portion of the project.2/23/06 - **Archers Lane:** no additional clearing was noted here. 2/23/06	- It will be difficult to obtain sufficient growth due to the late time of year. Outlet pads will likely be extended in the spring. 2/23/06 - Contractors have good erosion controls in place and are aware of the wetland status of the area. 2/23/06 -None at this time. 2/23/06

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	- **Norwalk Junction**: The area that had been cleared outside the silt fence (11/23) now has pooled turbid water. 12/30-2/23/06	- This area was not restored or enclosed in silt fence but is now partially flooded. 2/23/06
Dewatering	-Dewatering has since occurred at Hoyts Hill. Haybales are in front of the CB and the outlet but they were not placed in front of the sediment spot at the silt fence and accumulation has increased. It was also requested that the fence be toed back in prior to dewatering. 2/23/06 - Dewatering was not necessary at Archers Lane at the time of inspection for the 345kV trenching. Haybales remain installed across the swale. 2/23/06 - Foundation excavation at Norwalk Junction has created the need for dewatering. Recently, larger amounts of water have been present. Well points are dewatered to a frac tank which is allowed to settle and then is pumped to a new riprap swale to the Norwalk River. A large outlet pipe is now in place. 2/23/06	-The silt fence still needs to be toed in at the sedimentation area and haybales still need to be placed here to reinforce the area . Further sediment accumulation has resulted. 2/16-2/23/06 - Since water is still turbid by the time it reaches this spot, a filter bag should be considered above the CB. 2/16-2/23/06 - Water is directed to a stone swale which infiltrates to a drainage pipe under the access road. Water levels in the wetlands have remained constant since the last visit. 2/23/06 -The pipe allows the water to run the length of the swale for further filtration. 2/23/06 - If pumps are still needed near the river, they should be placed in secondary containment and not left near the river overnight. 2/23/06
Blasting	- All blasting is complete at this time. 2/23/06	- None at this time.
Soils	- A small soil stockpile resulted from excavation at the Hoyts Hill pad. 2/16-2/23/06 - A soil stockpile at Norwalk Junction had been on site and will be removed to Clean Harbors. 2/9-2/23/06	- The pile remains contained but will be removed appropriately. 2/16-2/23/06 - We need to confirm whether the pile was removed yet. 2/23/06

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage	-None at this time. 2/23/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site - Report spills immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. Se proper storage for all materials.
Additional Observations	- When snow removal is necessary, place it in areas away from the flow patterns of run-off- i.e. not in swales which can drain to wetlands and carry the sediment.	

Next likely scheduled inspection: Thursday or Friday, March 2 or 3, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: *Diana Walden for Don Ukers*

Hoyts Hill Transition Station: Photo shows an overview of the station pad where a caisson is being drilled. 2/22/06

View shows the spot in the silt fence where sediment from the gullies had previously been washing under the silt fence. This increased sediment is from the dewatering operation. Contractors were asked to have toed this area in and install haybales prior to the dewatering. This should be done ASAP and sediment needs to be pulled back 2/22/06.

Archers Lane: Photo shows an overview of the station pad following installation of the 345kV vault. 2/22/06.

Photo on the left is a view of the trenching being performed along the access road into the pad as part of the 345kV work. Photo on the right shows the 1st wetland crossing adjacent to the access road towards the ROW. Previous sedimentation will need to be removed from here when feasible. 2/22/06.

Norwalk Junction: Photo on the left shows an overview of the station pad from the access drive. Photo on the right shows where the outlet pipe from the well points on site dewaterers to the riprap swale at the river. 2/22/06.

Photo shows the sediment covered snow piles which remain in the swales since last week's storm. The snow piles still need to be pulled back to remove the potential for increased sedimentation to swale The snow is also blocking the flow from the culverts. 2/22/06