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: March 8 and March 9, 2006

Inspector: Don Ukers

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

Storm/ Rain Event: Very little precipitation has been recorded since the previous inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	- **Hoyts Hill:** Access is gained off Hoyts Hill Road. Sedimentation had previously been an issue at access point. 3/9/06.	- Ruts should be smoothed out as necessary. 12/30-3/9/06. -If the haybales don't improve the situation, additional stone may be necessary. 3/9/06	-Additional haybales were installed in an attempt to control this. 3/2/06.
	-**Archers Lane**: Conditions were muddy. Water levels at the wetland crossings on the access road to the ROW had remained constant since the last site visit. 3/2-3/9/06.	-Sediment accumulation in the wetlands will have to be addressed, especially before the growing season. 2/2-3/9/06.	
	- Trenches for the 345kV work along the access road were being backfilled at the time of inspection. 3/9/06.	- The stone wall and natural barriers here appear to keep any sediment from the wetlands along the rive but sediment here is increasing. Continue to monitor. 3/9/06.	-N/A at this time.
	- **Norwalk Junction**: Sediment tracking did not appear to be an issue at this time. Sediment piles remain from the melted snow piles that were plowed into the swale during the last snow event remain. 2/16-3/8/06.	-Continue to monitor Rt. 7 at the main access pad. 3/2-3/8/06. - See erosion control section for more details on the snow/sediment. 2/16-3/8/06	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Foundation construction	- At **Hoyts Hill:** Foundation was being poured for one of the caissons at the time of inspection. Dewatering has been necessary. Drilling will continue for additional caissons 3/9/06.	-The station pad itself is in good shape but the adjacent areas need some attention. 1/19-3/9/06. -See EC and dewatering section for more details. 3/9/06.	-N/A
	- Additional work may be necessary on the outlet/dissipater pads as erosive gullies and sedimentation continue to worsen. 12/01-3/9/06.	-The stone may need to be extended based on the noted erosion issues. This will likely happen in the spring. See erosion control section. 12/01-3/9/06.	-N/A
	-At **Archers Lane**, work continues around the steel structures within the station pad. 2/23-3/9/06. - Trenching is being backfilled along the access road. Trench work continues on the pad. 3/2-3/9/06.	-None at this time. The area is contained. 3/8/06.	-N/A.
	-At **Norwalk Junction:** Work continues on the structures in the station pad. 3/8/06 - A network of pipes was installed to dewater the well points on site. 2/23-3/8/06	- See erosion control/ dewatering sections for more information. 3/8/06.	-N/A
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	-**Hoyts Hill**: The perimeter silt fence along the wetlands at the rear of the station is still toed in but portions needs to be re-stapled and patched. 3/9/06.	- Repair/restaple the silt fence where necessary. 3/9/06.	
	- Sedimentation continued to build through the fence and in the wetland although contractors have made efforts to remove some.	- Continue to repair or install additional controls in the spot which washed through. 3/9/06 - These controls are even more important now that dewatering is occurring.	- Haybales were in place and the fence was re-toed in. Some efforts have been made to remove the sediment. Continue

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Erosion and Sediment Controls continued	3/9/06 - The erosive gullies remain under snow cover on both the northern and southern slopes . 10/27-3/9/06. -Less severe erosion was noted along the face of the southern silt fence. 1/26-3/9/06. - Turbid water from the dewatering was still noted reaching the silt fence. 2/23-3/9/06. - A sand pile for mixing concrete was being stored in the driveway across from Rt. 58. 2/16-3/9/06.	2/23-3/9/06. - Gullies should be repaired and a stronger method of stabilization, such as erosion control mats should be considered. 10/27-3/9/06 -Extension of the outlet stone pad and restoration of erosion will likely occur in the spring when access is stable. 3/2-3/9/06. -A filter bag may be necessary to limit the sedimentation and turbidity before it enters the catch basin to the outlet. 2/23-3/2/06 - Silt fence still needs to be installed at the stockpile since it is adjacent to wetlands. 2/16-3/9/06	to do so. 3/9/06 -Supposed to be corrected in the spring. 3/9/06. -Haybales were installed at the outlet and along the slope for controlling dewatering discharge waters but water is still turbid. 3/9/06.
	- **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. 1/26-3/9/06. -The drainage pipe from the station directs run-off to the stone swale that empties at the silt fence near the 2nd wetland crossing. Haybales are in place in the swale. 3/9/06 -A flowfill stockpile is in place at the top of slope,	- Water levels have remained constant for the most part. - Any easily accessible deposits of sediment will need to be removed. Fine layers of silt can remain. 1/26-3/9/06. -Sediment should be removed prior to the growing season. 3/9/06 - Little dewatering has been necessary from the station pad. 3/9/06 -Install erosion controls around this stockpile to	N/A

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	upgradient of a wetland. This area is adjacent to the access road leading to the station pad. 3/9/06.	prevent sediment from migrating downslope to the wetland. 3/9/06.	
	- **Norwalk Junction**: Haybales remain along the perimeter fence on site as an additional control, but sections have been removed due to the placement of hoses. 3/8/06.	- The haybales appear to be working well for the most part, keeping mud and soil from the site from reaching the silt fence. 2/16-3/8/06 Repair sections where needed.	
	-The silt fence remained adjacent to the river but needs to be toed-in in some locations. 2/16-3/8/06.	-Toe in silt fence due to the presence of disturbed soil between it and the haybales. 2/16-3/8/06	
	-The wetland area outside the silt fence adjacent to the river shows accumulated sediment 3/8/06.	- This area receives direct runoff from the site through the swale making water quality important. The adjacent site is disturbed resulting in this turbidity. 1/19-3/8/06.	
	- Sediment from previously plowed snow piles remained directly in and along the swale. This introduces more potential for turbidity. 2/16-3/8/06.	- Snow has melted but sediment could be removed from the swale. 3/8/06.	
	- Erosive gullies remain in a number of locations along the lower drainage swale due to site run-off, resulting in further sedimentation to the swale. 12/30-3/8/06. Haybales remained in the inlets. 2/2-3/8/06.	- 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. 12/30-3/8/06.	
	-Need for dewatering has resulted in a riprap swale built to the Norwalk River. An outlet pipe from the well points was in place. 2/23-3/8/06.	- Water from the pipe was very clear. 3/8/06 - Be sure to restore this outlet area when work is complete. 2/16-3/8/06.	-N/A until work is complete.

Areas of Inspection	Observation	Recommended Action	Corrected Actions
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. 11/10-3/9/06.	-In general, keep all equipment and materials out of wetlands not to be disturbed. 11/10-3/9/06.	-N/A at this time
	- Sedimentation continues to flush through the fence at this time and accumulate in a small area of the wetland beyond. 1/19-3/9/06.	-Contractors are in the process of removing the sediment but the dewatering creates a need for this to continue. 3/2-3/9/06.	- Efforts are ongoing and need to continue. 3/9/06
	-**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. 1/26-3/9/06.	- Remove the sediment from the wetland where there are significant buildups. See the ROW report for more details. 2/16-3/9/06.	
	- **Norwalk Junction**: A riprap swale was built right to the river for dewatering on-site. Well points will ensure the water remains clear. 3/2-3/8/06.	-Water is clear at this time. Continue to monitor. 3/8/06.	-N/A at this time
	- 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. 12/30-3/8/06.	-See Erosion Control Section for more details. Reduce turbidity by controlling its source-disturbed surfaces on site. 12/30-3/8/06	
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A	-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	- It will be difficult to obtain sufficient growth due to the late time of year. 3/9/06	-N/A until the growing season.

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	the cold weather but erosion issues continue and will need attention. 11/17-3/9/06		
	- Archers Lane: no additional clearing was noted here. 3/9/06.	-None at this time. 2/23/06-3/9/06.	-N/A.
	- **Norwalk Junction**: No additional clearing has been necessary 3/9/06.	- Restore areas along the perimeter as feasible. 3/9/06.	- N/A until work is completed
Dewatering **Hoyts Hill**	-Dewatering continues. The silt fence is toed in and haybales remain in place in front of the sediment spot at the silt fence but sediment accumulation remains. 3/9/06.	- Since water is still turbid by the time it reaches this spot, a filter bag should be considered above the CB. 2/16-3/9/06.	-Haybales have been placed in front of the sediment spot at the silt fence but turbid water remains. 3/9/06.
Archers Lane	- Dewatering was not necessary at the time for the 345kV trenching. Haybales remain installed across the swale. 3/2/06	- 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. 3/9/06.	-N/A at this time
Norwalk Junction	-Well points and a network of pipes have been installed to handle the increased amounts of active dewatering. 2/23/06-3/8/06.	-None at this time. Water leaving the outlet pipe is very clear. 3/9/06	- N/A at this time. 3/8/06.
Blasting	- All blasting is complete at this time. 3/9/06	- None at this time.	-N/A
Soils	- A small soil stockpile resulted from excavation at the Hoyts Hill pad. 2/16-3/9/06	- The pile remains contained but will be removed appropriately. 2/16-3/9/06	-N/A at this time
	- Soil stockpiles remain at Norwalk Junction during the active excavations 3/9/06	- Soil does remain contained. 3/2-3/9/06.	- N/A

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Spills and Material Storage	-None at this time. 3/9/06	- 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. See proper storage for all materials.	-N/A at this time
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: Wednesday March 15, 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 foundation is being poured for a caisson. 3/9/06

Photo on the left shows a v view of the rear of the transition station. Photo on the right shows the area of silt fence where sediment from gullies and dewatering activities had previously been washing under the silt fence. Some efforts were made to remove some of the sediment. 3/9/06.

Archers Lane: Photo shows ongoing work on the station pad. 3/9/06.

Photo on the left is a view of the wetland crossing near the station pad on the access road to the ROW. This area will still need some clean up of accumulated sediment before the growing season. Photo on the right is a view of the backfilled trench along the access drive as part of the 345kV work. Some sediment is building up along the stone wall. 3/09/06

Norwalk Junction: Photo on the left shows the stockpiles stored well within the interior site. Photo on the right shows a view along the rear perimeter of the site. Haybales are working well here. 3/8/06.

Photo shows sediment remaining from snow piles which were previously plowed into the swales. 3/8/06.