



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

1 CENTRAL PARK PLAZA • NEW BRITAIN, CONN. 06051

PHONE: 827-2604

PETITION NO. 57
Haddam, Connecticut
July 12, 1982

Mr. Doocy, Mr. Gelston, and Duncan Reid met Mr. Bibbi of NUSCO to review completed Petition No. 57.

This petition involved adding a 1.1 acre parking area to an existing parking lot at the Connecticut Yankee Atomic Power Plant in Haddam. The lot is covered with processed stone and trap rock. Two catch basins and culverts were installed to accommodate a small stream and any additional runoff. The lot is bordered by railroad ties and surrounded by a hay bale check dam.

During the last review (May 27, 1981), it appeared that a swale shown on the company's plans along the east edge of the lot was not formed and that some sediment had washed off the parking lot and begun to spill over the hay bale check dam. The Council suggested that some sediment be pulled back away from the hay bale check dam and the swale be formed according to the plans.

The purpose of this review was to check the long term success of the hay bale check dam, the catch basins and culverts. The hay bales are breaking apart in most places, but vegetation is beginning to grow up through and around the hay. Some sediment has filtered through the hay bales, but it appears to be dispersed by the vegetation. A small area in the west corner of the lot has washed out underneath the railroad ties which indicates some water movement over the lot's surface. This should be repaired to prevent continued erosion. The catch basins on the east edge of the lot appear to be receiving most of the water draining off the nearby slope. The heavy rains in June eroded deep gullies entering the catch basins, washed out the rip rap linings, and deposited large amounts of sediment in the basins and culverts. One tree near a catch basin has been partially uprooted and may be very unstable.

Recommendations:

- 1) The unstable tree near the catch basin should be taken down;
- 2) The washout near the west corner of the lot should be repaired;
- 3) Sediment should be removed from the culverts and catch basins and the basins lined with larger rip rap.

Duncan C. Reid
Environmentalist
7/13/82

DCR:go