

Metropolitan Edison Company  
Three Mile Island Nuclear Station  
Noncompliance Notification 80-01 & 80-02

I. Description of Noncompliance

A. 80-01

On February 13, 1980, a sample was taken from the Industrial Waste Treatment System (IWTS) discharge (NPDES Discharge 107). The sample had an oil and grease concentration of 221 mg/l. Assuming the entire discharge (approximately 64,670 gallons) had a concentration of 221 mg/l, the total oil and grease discharge would have been 119.3 pounds which exceeds the 48.1 pounds/day limit.

B. 80-02

On February 21, 1980 a sample was taken from the IWTS. The sample had an oil and grease concentration of 400 mg/l. Assuming the entire discharge (approximately 63,530 gallons) had a concentration of 400 mg/l, the total oil and grease discharge would have been 212.1 pounds which exceeds the 48.1 pounds/day limit.

II. Cause and Corrective/Preventive Actions

The IWTS is designed to remove oil and grease from the waste water. This removal is accomplished through the air floatation portion of the system. Increased oil and grease loading on the IWTS is believed to have caused the noncompliances to occur. The increased loading resulted from the Unit 1 restart activities coupled with condensor cleaning operations.

In order to minimize the effects of the increased loading, the quality of the effluent is being closely monitored as it passes through the air floatation portion of the system. This is being done to insure that satisfactory oil and grease removal is being accomplished. Based on the quality of the water as it exits the air floatation portion of the system, the IWTS will be run in a recirculation mode, as necessary. This mode of operation recirculates the effluent back through the system in order to provide re-treatment.

It is believed that by recirculating the effluent, the IWTS will be able to effectively treat the increased oil and grease loading we are currently experiencing.

III. Previous Noncompliances of the Present Type

- a. 80-01 - None
- b. 80-02 - 80-01

IV. Environmental Impact Evaluation

As oil and grease has not been classified as a toxic pollutant, it is believed that no significant environmental impact was caused.