8005080262

Jersey Central Power & Light Company
Madison Avenue at Punch Bowl Road
Morristown, New Jersey 07960
(201) 455-8200

April 30, 1980

Mr. Boyce H. Grier, Director
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Grier:

SUBJECT: Oyster Creek Nuclear Generating Station
Docket No. 50-219
Addendum to Effluent Release Report 79-2

Enclosed are two (2) copies of an Addendum to Effluent Release Report No. 79-2 for the Oyster Creek Nuclear Generating Station Unit No. 1. Two (2) "lost sample analysis" paragraphs have been added to Section III.7 on page III-2. This addendum is submitted in accordance with Section 6.9.3.C of the Technical Specifications of the Oyster Creek Unit No. 1 Provisional License, DPR-16.

Very truly yours,

Donald A. Ross

Donald A. Ross, Manager
Generating Stations-Nuclear

ck
Enclosures

cc: Director, Office of Inspection and Enforcement (6 copies)
c/o Distribution Services Branch, DDC, ADM
United States Nuclear Regulatory Commission
Washington, D. C. 20555

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Jersey Central Power & Light Company

Oyster Creek Nuclear Generating Station

Semi-Annual Report No. 79-2

Provisional Operating License No. DPR -16

Radioactive Effluent Releases

July 1979 through December 1979

Addendum

III. ENVIRONMENTAL MONITORING

The environmental monitoring program was conducted during the reporting period in accordance with Technical Specification 4.6.B.3. The program included five general types of monitoring. These were (1) atmospheric radiation, (2) fallout, (3) domestic water, (4) surface water, and (5) marine life. This monitoring was accomplished by analyzing film badges for exposure and air particulate filters, rain water, vegetation, soil, crops, well water, surface water, silt, and clams for radioactivity. The analyses results from these samples are found on the forthcoming tables. The time period covered by this monitoring extended from June 1979 through November 1979 instead of July 1979 through December 1979, due to normal delay in sample analysis and reporting by the vendor. The sampling locations are listed in Table III-A and are depicted in Figure III-1.

1. Atmospheric Radiation monitoring results, consisting of radiogas (film badges) and air particulate radioactivity measurements, are listed in Tables III-B, III-C, III-D, III-E, III-H, and Table III-J. These tables cover the collection period from June 1979 through November 1979, with the exception of Table III-B which includes collection dates from June 1979 through August 1979 and Table III-C, which covers collection dates from September 1979 through November 1979.

   Included in Table III-D, in addition to the indicator monitoring stations 2 through 17, are stations 1 and T1, which are located on site at the meteorological tower, and three background stations which are located at Allenhurst (A), Cookstown (C), and Hammonton (H), New Jersey.

   During the reporting period, several special programs were conducted and are listed below.

   A. TLD evaluation - This program has continued intact since the last period on a monthly basis. All exposures for this reporting period are seen in Table III-F.

   B. Isotopic analyses were performed on all air particulate filters. The results can be found in Table III-H.

   C. Iodine 131 analyses were run on all the charcoal filters. The results are shown in Table III-G.

2. Fallout monitoring, consisting of rainwater radioactivity measurements, is listed in Tables III-B, III-C and Table III-E. Background rainwater from stations A, C and H results are in Table III-J.

3. Domestic Water monitoring, consisting of well water sample analyses, is listed in Tables III-B, III-C, and III-E.

4. Surface Water monitoring, consisting of water and silt analyses from Barnegat Bay, Forked River, and Oyster Creek, is listed in Tables III-B, III-C, and III-E. The background station for surface water and silt is station number 31 and these results can be seen in Table III-J.

   Isotopic analyses were performed on the silt samples from the bay and discharge canal. The results can be seen in Table III-K.

5. Marine Life monitoring consisting of clam samples, is listed in Table III-B, III-C & III-E. The background station results are listed in Table III-J.

6. In addition to these analyses, vegetation, soil, and crop samples were analyzed. The results are shown in Tables III-B, III-C, and III-E.

7. Isotopic analyses were performed on vegetable samples. The results are listed in Table III-L.

   Surface water sample, SW-33-51, collected on July 23, 1979, was not analyzed for gross alpha dissolved activity by the analyses vendor. Technician error was attributed as the cause. To prevent reoccurrence, the analyses vendor has added a Sample Coordinator to oversee laboratory operators.

   A strontium-90 result on Food Products - Various sample, FPV-28-75, was lost in analysis due to procedural error. The sample collection date was October 29, 1979. Lack of additional sample prevented reanalysis. The analysis loss was discovered subsequent to the end of the collection period. Pertinent procedural review and personnel retraining by the analyses vendor was initiated to prevent reoccurrence.