

U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

Report No. 50-315/79-01; 50-316/79-01

Docket No. 50-315; 50-316

License No. DPR-58; DPR-74

Licensee: American Electric Power Service Corp.
Indiana and Michigan Power Company
2 Broadway
New York, NY 10004

Facility Name: Donald C. Cook Nuclear Power Plant

Inspection At: Donald C. Cook Site, Bridgman, MI

Inspection Conducted: January 30 - February 1, 1979

Inspector: *A. B. Januska*
R. J. Greer

2/13/79

Approved By: *A. B. Januska*
T. H. Essig, Chief
Environmental and Special
Projects Section

2/13/79

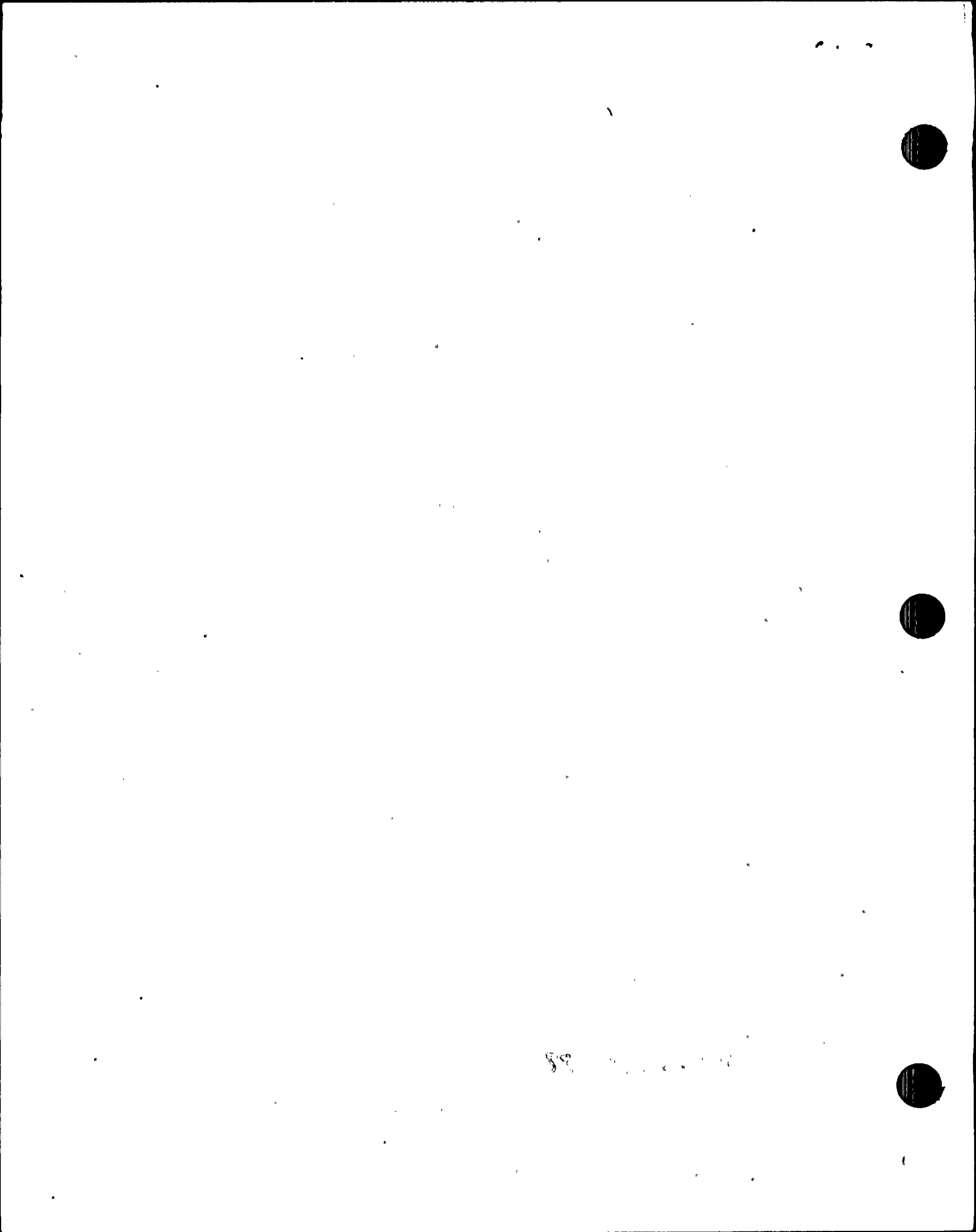
Summary

Inspection on January 30-February 1, 1979 (Report No. 50-315/79-01;
50-316/79-01)

Areas Inspected: Routine, unannounced radiological environmental protection inspection including review of program management; review of program results; and inspection of proper installation and operability of selected sampling stations. The inspection involved 20 inspector-hours on site by one NRC inspector.

Results: For the three areas inspected, no items of noncompliance or deviations were found.

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DETAILS

1. Persons Contacted

- *B. Svensson, Assistant Plant Manager
- *E. Smarella, Technical Supervisor
- *J. Stietzel, Quality Assurance Supervisor
- *T. Kriesel, Environmental Coordinator
- *D. Palmer, Plant Radiation Protection Supervisor
- W. Ketchum, Radiation Protection Technician
- *K. Baker, NRC Resident Inspector

*Denotes those present at exit interview.

2. General

This inspection consisted of an examination of the licensee's radiological environmental protection program; sample stations and locations; and program results.

The licensee's Appendix B Technical Specifications were utilized as the primary inspection criteria.

The inspector reviewed the results of the licensee's monitoring program for the period from July 1, 1977 to June 30, 1978.

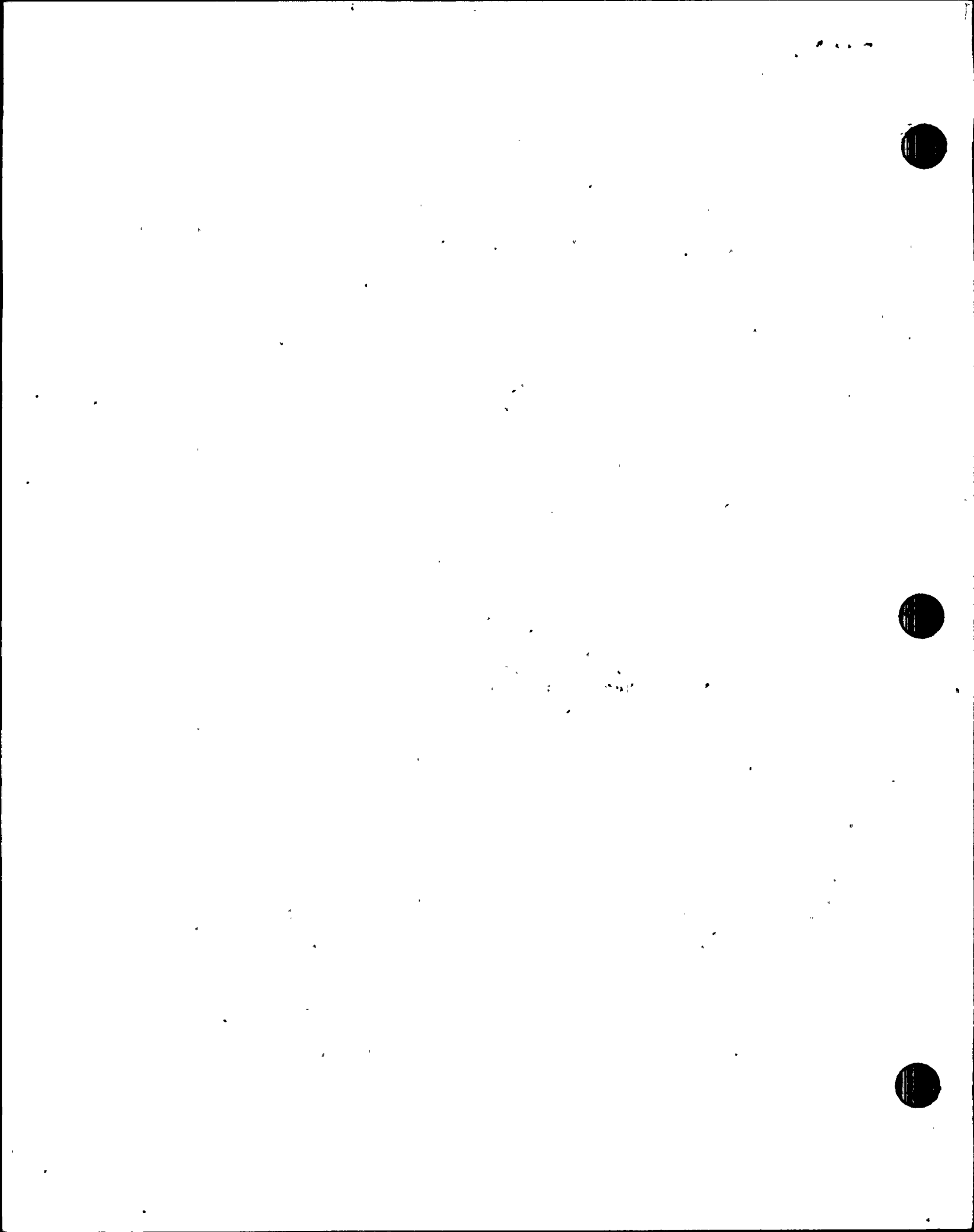
3. Licensee Action on Previous Inspection Findings

- a. (Closed) Infraction (050-315/77-20) Collection of fish and sediment samples. The inspector determined that fish and sediment samples were collected and analyzed as required from July 1, 1977 to June 30, 1978.
- b. (Closed) Infraction (050-315/77-20) Sampling of background stations for milk. The inspector determined that Amendment Nos. 26 and 8, for Units 1 and 2, dated November 8, 1978, have been issued to allow fewer than three background stations to be sampled for milk if fewer than three are available.

4. Environmental Program Management

Management controls for the radiological portion of the environmental protection program remain as described in a previous inspection report.^{1/}

1/ IE Inspection Report No. 50-315/77-20 and No. 50-316/77-27.



5. Program Results

The inspector reviewed the contractor's reports of analytical results for the period of July 1, 1977 through June 30, 1978. The inspector noted that reasons for missing samples were documented. Except for certain samples not taken because of weather conditions and results discussed below, all samples required were taken and properly analyzed.

The inspector noted and discussed with the licensee several unusual sample results. However, no results in excess of regulatory limits were noted.

The inspector discussed the sampling of aquatic organisms with the licensee. As noted in a previous inspection report,^{2/} aquatic organisms have not been naturally available in sufficient quantity to sample. However, the licensee stated that algae were sampled from the riprap for the first time during the last half of 1978.

The inspector noted that a few sample results are missing. Results of analyses for Sr-89 and Sr-90 for the last quarterly composite of particulate filters during 1977 were not reported. Results of Sr-89 and Sr-90 quarterly analyses of lake water samples for July 1977 - June 1978 were also not reported. Various analytical results of milk samples for Sr-89 and Sr-90 during October-December 1977 were not reported. This area will be reviewed during a future inspection to ensure that the missing sample results discussed above have been reported as required by Environmental Technical Specification 4.2.

This item is considered unresolved.

6. Air Sampling Stations

The inspector discussed anomalous air volumes reported for various air sampling stations. The licensee stated that some of the problems were caused by the previous sample collector, as discussed previously.^{3/} Others were caused by a leaky diaphragm in the dry gas meter. The meters are now being replaced as problems appear.

The inspector visited selected air monitoring stations. Equipment appeared to be functioning, and calibrations were completed as required.

2/ Ibid.

3/ Ibid.

7. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance, or deviations. An unresolved item disclosed during the inspection is discussed in Paragraph 5.

8. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on February 1, 1979. The inspector summarized the purpose, scope, and findings of the inspection. The licensee acknowledged the missing sample results and stated that they will be included in the next annual report.

