

OCT 27 1982

Docket No. 50-354

Public Service Electric & Gas Company  
ATTN: Mr. T. J. Martin  
Vice President  
Engineering and Construction  
80 Park Plaza - 17C  
Newark, New Jersey 07101

Gentlemen:

Subject: Independent Measurements (NDE) by NRC at Hope Creek

This letter is to confirm the NRC Region I plan to perform an independent verification inspection using the NRC NDE van and contractor technicians under NRC direction at the Hope Creek Unit 1 facility. This was discussed by Mr. W. H. Bateman, NRC Senior Resident Inspector with Mr. A. E. Giardino of your staff on October 15, 1982 at the site.

We consider this as an independent verification inspection of construction at the Hope Creek site. Construction activities and materials will be sampled through nondestructive examinations as a supplement to our existing on-going inspection efforts. Similar future nondestructive examinations by NRC are planned on a routine basis at other licensee construction sites.

The inspection is expected to begin on October 25, 1982 and will take approximately six (6) weeks to complete. Preliminary planning will be done during the first two weeks which will include an on-site meeting of NRC representatives with licensee and contractor personnel to discuss the scope of the program, security requirements for the NRC van, contractor personnel access requirements, licensee interfaces and a request for supporting quality assurance documentation. (See enclosure 1) The requested documentation should be sent to the regional office at the beginning of this two week period for a compliance review and to permit us to update our procedures to be consistent with yours. All documentation supplied will be returned at the completion of our inspection.

Nondestructive examinations will be done during the third and fourth weeks of the cycle and will include the spectrum of NDE techniques used during construction. To minimize the impact on normal site activities, backshift hours will be used whenever possible, particularly for the performance of radiography.

Licensee representatives will be kept informed of our progress and significant findings and at the conclusion of the on-site activities, an exit meeting with licensee personnel will be conducted in accordance with our normal procedures.

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The evaluation of examination results and preparation of an inspection report will be completed during the final two weeks of the cycle and the results will be transmitted to you via the normal NRC reporting mechanism.

If you should have any further questions regarding this planned inspection, please contact the assigned Senior Resident Inspector, or Jacque P. Durr of my staff.  
(Telephone #215-337-5282).

Sincerely,

Original Signed By: *Thomas T. Martin*

Thomas T. Martin, Director  
Division of Engineering and Technical  
Programs

Enclosure: as stated

cc:  
R. L. Mittl, General Manager, Corporate QA  
Public Document Room (PDR)  
Local Public Document Room (LPDR)  
Nuclear Safety Information Center (NSIC)  
NRC Resident Inspector  
State of New Jersey

bcc:  
R. Starostecki  
R. Keimig

OFFICE	DETP	DETP					
SURNAME	Durr <i>TD</i>	Ebnetter <i>EB</i>					
DATE	10/26/82	10/26/82					

ENCLOSURE 1

Support Facilities and Documentation Request

1. Vehicle Connections

- Potable water hose connections.
- 2 each, 30 ampere, 115 volt AC electrical connections.
- Drain collection.

2. Location of the NDE van near the reactor complex.

3. Provisions for NRC and NRC contractor personnel badging for plant access.

4. Scaffolding and insulation removal for access to selected welds.

5. Site safety orientation (occupational and radiation).

6. Copies of quality assurance documentation for each selected weld to include:

- Associated piping isometric drawing;
- Weld data sheets;
- Shop fabrication sheets (if applicable);
- NDE results;
- Base and weld material certifications;
- Preheat/Post weld heat treat data;
- NDE Procedures used to inspect the welds. These should be the base documents and latest revisions. Intervening revision can be requested as needed;
- The appropriate welding procedure specifications and their procedure qualification records.

This information should be transmitted to the Region I office, ATTN: Chief, Materials and Processes Section at the earliest possible date.