

NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

300 ERIE BOULEVARD WEST
SYRACUSE, N. Y. 13202

THOMAS E. LEMPGES
VICE PRESIDENT—NUCLEAR GENERATION

February 18, 1982

Mr. Ronald C. Haynes
Regional Administrator
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA. 19406

RE: Docket No. 50-220
DPR-63

Dear Mr. Haynes:

Your letter of January 25, 1982, requested Niagara Mohawk to repeat our previously submitted evaluation for the field Detection and Measurement of Airborne Radioiodine. In addition, it requested that we supply a method to estimate iodines and particulates released during a drywell purge. This letter provides our response to the aforementioned correspondence.

With regard to the methodology for estimating iodine and particulates released during a drywell purge, developments since our submittal of October 20, 1981 currently provide this capability. A procedure has been developed and approved to dilute emergency drywell air samples for analysis on the station GeLi. Based on the results obtained from this analysis, the efficiency of the Standby Gas Treatment System for removing iodines and particulates, and the purge rate, an adequate estimate of the release rate of iodines and particulates during a post LOCA drywell purge can be made.

As a back-up to grab sampling prior to purging, we are also able to relate Containment High Range Radiation Monitor readings to pre-determined source term values in the drywell. Furthermore, during situations when normal Turbine Building ventilation is available for stack gas dilution and realistic iodine and particulate source terms prevail, it is likely that stack sampling for iodines and particulates will be possible.

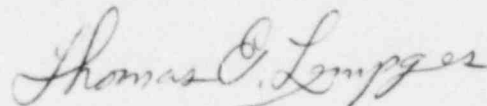
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It is our belief that the methods outlined above should be sufficient to provide an adequate estimate of releases prior to and during a drywell purge or depressurization.

In reference to the re-evaluation of the report previously submitted on the Detection and Measurement of Field Airborne Radioiodine, we find that we will need additional time to complete this study. The delay has been necessitated as a result of difficulties encountered in obtaining sources of Radioiodine in sufficient quantities to give us meaningful results. We anticipate that the re-evaluation requested will be completed by March 31, 1982.

Should the information described above not meet with your approval, please contact me at your earliest convenience. Your continued cooperation is appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Thomas E. Lempges".

Thomas E. Lempges
Vice President -
Nuclear Generation

PV/mtm