

August 24, 2005

MEMORANDUM TO: Patrick D. Milano, Project Manager
Project Directorate 1
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

FROM: */RA/*
Stephen Klememtowicz, Team Leader
Health Physics Team
Division of Inspection Program Management
Office of Nuclear Reactor Regulation

SUBJECT: R. E. GINNA PARTIAL SITE RELEASE APPLICATION - REQUEST
FOR ADDITIONAL INFORMATION (TAC MC7062)

The Health Physics Team has reviewed the subject application from Constellation Energy (the Licensee) for their R. E. Ginna Nuclear Power Plant. The licensee has requested NRC approval to sell a portion of their site property in accordance with the provisions in 10 CFR 50.83(b). On the basis of our review, the staff has identified several areas where we require additional information to complete our evaluation of the requested action. Attached is a list of our questions requesting this information.

Docket No. 50-244

Attachment: Requests for Additional Information

CONTACT: Jean-Claude Dehmel, DIPM/NRR
(301) 415-6619

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FROM: Stephen Klementowicz, Team Leader
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OFFICE	IPSB/NRR	IPSB/NRR
NAME	J-CDEHMEL	SKLEMENTOWICZ
DATE	08/24/2005	08/ 24/2005

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PARTIAL SITE RELEASE REQUEST
R. E. GINNA NUCLEAR PLANT

REQUEST FOR ADDITIONAL INFORMATION

In order to facilitate the staff's review of the partial site release application package, please provide the following information or clarifications:

1. Historical Site Assessment

- a. Discuss whether personnel interviews included former plant employees, in addition to current ones, with knowledge of plant operations, and current and former contractors that have supported plant and site operations.
- b. Discuss whether either land parcels were ever used as dumping grounds for building rubble, demolition debris, trash, furniture, equipment, soils, backfill, and snow originating from industrial areas with a potential for radioactive contamination. Discuss whether each land parcel were physically inspected by Ginna's Staff to assess if they were ever used as dumping grounds.
- c. Regarding the presence of Cs-134 detected on the property in early plant operations, please provide a copy of the SAIC report (dated April 19, 1983) cited on p.12 (as a footnote to item 4) of the application package.
- d. A review of the R.E. Ginna Site drawings indicates that Deer Creek runs through land Parcel 1. Provide a discussion and results of media samples confirming that the creek bed is not radiologically impacted by plant operations, nor a vector for the movement of radioactivity, such as from plume particulate deposition, surface water runoff from radiologically impacted areas, and spills and leaks from systems containing plant-derived radioactivity.
- e. It is not clear if the HSA has addressed the potential presence of plant-derived radioactivity in site ground water and whether site gradient and ground water flow are moving potential contaminants of concern toward or away from either land parcels. Provide a discussion of the current radiological status of ground water, characterize plant spill and leak events that might have impacted the quality of site ground water, and provide information and results of past and current ground water sampling and analysis campaigns.

2. Radiological Surveys Conducted for Partial Site Release

- a. Provide a description of the survey program and results of all radiological surveys used to confirm that both land parcels subject to the partial site release are non-impacted areas. The description should identify MARSSIM data quality objectives used in planning and implementing surveys, basis for sampling media and sampling locations, process used to select and calibrate survey instrumentation, survey and laboratory instrumentation MDCs, survey and media sampling methods, basis for selecting radionuclides of concern, criteria for defining investigational levels, designation of reference background areas and ambient radiation and

Attachment

radioactivity levels, and sample analytical program. Also, describe the data quality assessment process applied in confirming that each land parcel does not contain plant-generated radionuclides, nor residual radioactivity in excess of natural background or fallout levels.

- b. Discuss whether the Ginna Chemistry Department used a third party laboratory for QA/QC in its analysis of environmental media described in the application. If so, describe the comparative results of all QA/QC samples, and the significance of differences, if any, among sample results and implications on the interpretation of the results.
- 3. Reporting and Recordkeeping for Decommissioning Planning
 - a. Based on a review of the application package and in response to Part 50.75(g)(4)(i) and (iii), it is not clear as to the process that R.E. Ginna will use in incorporating this partial site release (once granted) in planning the decommissioning of the entire site at the time of license termination.
- 4. Partial Site Release Application Package Backup Information
 - a. Please provide copies or make available to the Staff backup information used to support the conclusions presented in the application package.