

June 27, 2000

Mr. H. L. Sumner, Jr.
Vice President - Nuclear
Hatch Project
Post Office Box 1295
Birmingham, Alabama 35201-1295

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION CONCERNING THE LIQUID
AND GASEOUS RADWASTE SYSTEM AT EDWIN I. HATCH NUCLEAR
PLANT, UNITS 1 AND 2 (TAC NOS. MA8920 AND MA8921)

Dear Mr. Sumner:

By letter dated May 3, 2000, Mr. David Lochbaum of the Union of Concern Scientists submitted a petition pursuant to Title 10 of the *Code of Federal Regulations*, Section 2.206, which requested that the Nuclear Regulatory Commission ask questions concerning the liquid and gaseous radwaste systems at Edwin I. Hatch Nuclear Plant, Units 1 and 2. In our letter dated June 20, 2000, we informed Mr. Lochbaum that we would take action on his request in a reasonable time and that we would request information from you addressing the issues raised in his petition. Therefore, enclosed is a request for additional information concerning the liquid and gaseous radwaste systems at Hatch.

Please provide a response within 30 days of receipt of this letter. If you have any questions regarding this matter, please contact me at (301) 415-1419.

Sincerely,

/RA/

Leonard N. Olshan, Senior Project Manager
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-321 and 50-366

Enclosure: As stated

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION CONCERNING THE LIQUID
AND GASEOUS RADWASTE SYSTEMS AT
EDWIN I. HATCH NUCLEAR PLANT, UNITS 1 AND 2

1. What assurance exists that the external surfaces of buried and embedded piping of the liquid radwaste system are not degraded?
2. What assurance exists that the internal surfaces of liquid radwaste system piping are not degraded by pitting, corrosion, and other degradation mechanisms?
3. Could a break in the liquid radwaste system piping from the sample tanks to the discharge line be detected? If so, how small a break could be detected (i.e., how much radioactive liquid could be diverted into the ground without being detected?)
4. To what extent does the preventative maintenance program at Plant Hatch cover the liquid radwaste system piping?
5. To what extent is the liquid radwaste system piping covered by programs which monitor degradation (e.g., erosion/corrosion, flow accelerated corrosion, microbiologically influenced corrosion, protective coatings for embedded/buried piping, etc.)?
6. What assurance exists that the tanks and vessels of the liquid radwaste system are not degraded?
7. To what extent are the tanks and vessels of the liquid radwaste system covered in the preventative maintenance program at Plant Hatch?
8. To what extent are the tanks and vessels of the liquid radwaste system covered by programs which monitor degradation?
9. What assurance exists that the liquid radwaste valves and associated control circuits will close to terminate the release of radioactive water?
10. What is the scope, frequency, and acceptance criteria for all testing, including preventative maintenance tasks, of the valves and control circuits that must automatically close to terminate releases from the Hatch Unit 1 and Unit 2 liquid radwaste systems to the river?
11. What has been the maintenance history for the valves and control circuits that must automatically close to terminate releases from the Hatch Unit 1 and Unit 2 liquid radwaste systems to the river?
12. What assurance exists that the external surfaces of buried and embedded piping of the gaseous radwaste system are not degraded?

13. Could a break in the offgas system piping running to the main stack be detected? If so, how small a break could be detected (i.e., how much radioactive gas could escape without being detected)?
14. To what extent does the preventative maintenance program at Plant Hatch cover the offgas system piping?
15. To what extent do programs that monitor degradation cover the offgas system piping?
16. What assurance exists that the gaseous radwaste system valves will function as required to preclude hydrogen burns and detonations?
17. What is the scope, frequency, and acceptance criteria for all testing, including preventative maintenance tasks, of the gaseous system valves that are required to preclude hydrogen burns and detonations?
18. What has been the maintenance history for the gaseous radwaste system valves that are required to preclude hydrogen burns and detonations?

Edwin I. Hatch Nuclear Plant

cc:

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