

Docket No. 50-483

1/12/87

Mr. D.F. Schnell  
Vice President - Nuclear  
Union Electric Company  
P.O. Box 149  
St. Louis, Missouri 63166

Dear Mr. Schnell:

SUBJECT: CORRECTION TO CALLAWAY EXEMPTION

My December 29, 1986, letter forwarded an Exemption to 10 CFR 20, Appendix A, footnote d-2(c) for the Callaway Plant. Attachment 1 to the Exemption contained an incorrect footnote. Please replace Attachment 1 included with the December 29, 1986, Exemption with the enclosed corrected page.

Sincerely,

Paul W. O'Connor, Project Manager  
Project Directorate #4  
Division of PWR Licensing-A

Enclosure: As stated

cc w/encl: See next page

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Attachment 1

Limitations, Usage Restrictions, and Controls Applicable  
to the Use of GMR-1 Canister at the  
Callaway Plant

1. Protection factor equal to 50 as a maximum value.
2. The maximum permissible continuous use time is eight hours after which the canister will be discarded.
3. Canisters are not to be used in the presence of organic solvent vapors.
4. Canisters are to be stored in sealed, humidity barrier packaging in a cool, dry environment.\*
5. The allowable service life for sorbent canisters is to be calculated from the time of unsealing the canister, including periods of non-exposure.
6. Canister is to be used with a full facepiece capable of providing protection factors greater than 100.
7. Canisters are not to be used in total challenge concentrations of organic iodines and other halogenated compounds greater than 1 ppm, including nonradioactive compounds.
8. Canisters are not to be used in environments where temperatures are greater than 120°F, or dewpoint exceeds 107°F.

In addition to the limitations and usage restrictions noted above, the following additional controls will be utilized by the licensee:

1. Temperatures will be measured prior to and/or coincidentally with the use of GMR-1 canisters to assure that work temperatures do not exceed 120°F or temperature corresponding to a dewpoint of 107°F during sorbent canister use.
2. In the initial implementation of sorbent canister use, the following program verification measures will be used:
  - a. weekly whole body counts for individuals using the sorbent canister for radioiodine protection;
  - b. for individuals who exceed 10 MPC hours in seven consecutive days, a whole body count will be required prior to their next entry into a radioiodine atmosphere (i.e., effectively a 10 MPC hour stay time);
  - c. if an individual measures 70nCi or greater iodine uptake to the thyroid during a whole body count, the individual's entry into radioiodine atmospheres will be restricted pending health physics evaluation;
  - d. a whole body count/survey data base will be compiled to evaluate the results of the program.

\*Sorbent canisters will be stored in Class "C" or better storage conditions in the Callaway plant warehouse in accordance with procedure WSP-ZZ-0002, "Store-room Storage and Control of Material, Components, and Equipment."

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PDR

Mr. D. F. Schnell  
Union Electric Company

Callaway Plant  
Unit No. 1

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