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RECORD #106

TITLE: Use of Hydro Nuclear Services Dry Active Waste Processing System

FICHE: 67922-346

JUN 14 1985

MEMORANDUM FOR

John A. Jordan, Director  
Division of Radiation Safety and Safeguards  
Region III

FROM:

James G. Partlow, Director  
Division of Inspection Programs  
Office of Inspection and Enforcement

SUBJECT:

USE OF HYDRO NUCLEAR SELF-CONTAINED WASTE PROCESSING SYSTEM

In response to your memorandum dated May 21, 1985, we need to point out one clarification. That is, that the NRC staff has not yet formally evaluated the Hydro Nuclear system. Our understanding is that Hydro Nuclear will submit a topical report to NRR for review in the near future. Upon completion of this review, we will send you a copy of the staff's review. In the meantime, our position is that if the equipment performs according to Hydro Nuclear's description, and is operated according to their instructions, we see no problem with licensee use. However, the licensee should contact NRR if he plans to dispose of any waste containing detectable amounts of radioactivity pursuant to 10 CFR 20.302.

We are continuing to pursue resolution of the generic concerns regarding surveys for contamination and hope to provide guidance to all regions in the very near future.

Original signature:

James G. Partlow

James G. Partlow, Director  
Division of Inspection Programs  
Office of Inspection and Enforcement

cc: E. L. Jordan, IF  
L. J. Cunningham, IE  
F. Congel, NRR  
T. I. Martin, RI  
J. P. Stohr, RI  
R. L. Bangart, RIV  
R. A. Scarano, RV

Distribution:

DCS 016  
ORPB reading  
DI reading  
JGPartlow, IE  
PFMcFee, IE  
LJCunningham, IF  
JTaylor, IE

8506240351 850614  
IE SSINS

CF

Concurrence:

ORPB/IF/IE  
LJCunningham/IF  
06/17/85

ORPB/IE/IE  
PFMcFee  
06/17/85

DI/IF/IE  
JGPartlow  
06/17/85



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

*L. Cunningham*

MAY 21 1985

MEMORANDUM FOR: James G. Partlow, Director  
Division of Inspection Programs  
Office of Inspection and Enforcement

FROM: J. A. Hind, Director  
Division of Radiation Safety  
and Safeguards, Region III

SUBJECT: USE OF HYDRO-NUCLEAR SERVICES DRY ACTIVE WASTE  
PROCESSING SYSTEM

It is my understanding, based on recent telephone conversations between members of my staff and L. J. Cunningham of your staff, that your staff has evaluated the Hydro-Nuclear Services (HNS) Dry Active Waste Processing System and has concluded that the HNS system, when operated in accordance with the manufacturer's instructions, can acceptably monitor potentially contaminated materials from nuclear power plants to meet the intent of the guidance provided in I.E. Circular No. 81-07 for control of radioactively contaminated material.

Based on your staff's evaluation, we anticipate notifying the D. C. Cook Nuclear Plant by May 31, 1985, that the use of the HNS system is acceptable to NRC, provided the system is operated properly. My staff will review the use of the HNS system to verify conformance to manufacturer's operating instructions. If our understanding of this matter is incorrect, please contact us before our anticipated notification date for the D. C. Cook plant.

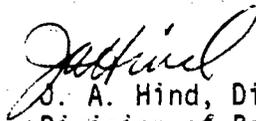
Mr. Cunningham communicated his position in this matter by memorandum dated May 17, 1985, which was addressed to L. R. Greger of my staff. My memorandum is intended to confirm proper management concurrence in this potentially sensitive area (i.e., control of radioactivity contaminated material generated at nuclear power plants).

James G. Partlow

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MAY 21 1985

A related matter which still requires resolution is the acceptability of the use of "friskers" (e.g., HP-210 GM probes) for conducting release surveys of potentially radioactively contaminated materials. We hope this matter will be addressed soon and guidance provided to the regional inspection staff.



J. A. Hind, Director  
Division of Radiation Safety  
and Safeguards, Region III

Attachment: Memorandum dtd 5/31/85  
frm Cunningham to Greger

cc w/attach:  
E. L. Jordan  
L. J. Cunningham  
DRSS Directors  
RI, RII, RIV, RV



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

MAY 17 1985

MEMORANDUM FOR: L. R. Greger, Chief  
Facilities Radiation Protection Section  
Region III

FROM: LeMoine J. Cunningham, Chief  
Section 2, Operating Reactor Programs Branch  
Division of Inspection Programs  
Office of Inspection and Enforcement

SUBJECT: USE OF HYDRO NUCLEAR SERVICES DRY ACTIVE WASTE  
PROCESSING SYSTEM

This memorandum is in response to your recent telephoned request for a statement of our position regarding the use of the subject equipment.

We have no objections to the use of this equipment provided that it is properly operated, as intended by the manufacturer, and that all waste identified as containing detectable licensed material is disposed of as radioactive waste in accordance with the provisions of 10 CFR 20.301, thus meeting the intent of IE Circular No. 81-07.

A handwritten signature in cursive script, appearing to read "LeMoine J. Cunningham".

LeMoine J. Cunningham, Chief  
Section 2, Operating Reactor Programs Branch  
Division of Inspection Programs  
Office of Inspection and Enforcement