

December 21, 1995

Docket No. 50-267  
License No. DPR-34

Mr. A. Clegg Crawford  
Vice President, Electric Operations  
Public Service Company of Colorado  
P.O. Box 840  
Denver, Colorado 80201-0840

Dear Mr. Crawford:

SUBJECT: REVIEW OF PUBLIC SERVICE COMPANY OF COLORADO SUBMITTAL P-95077 "FORT ST. VRAIN FINAL SURVEY PLAN FOR SITE RELEASE, PROPOSED REVISIONS FOR SURVEY OF PIPING SYSTEMS AND SUSPECT AFFECTED SURVEY UNITS"

The Nuclear Regulatory Commission staff has reviewed Public Service Company of Colorado's (PSC) October 12, 1995, submittal (P-95077), "Fort St. Vrain Final Survey Plan for Site Release, Proposed Revisions for Survey of Piping Systems and Suspect Affected Survey Units," which contained 3 proposed changes to the final survey plan, and the applicable technical support documents.

Enclosure 1 contains several comments related to the dose assessments provided in "Proposed Change 1: Embedded Piping Treatment." In addition, the staff has performed a detailed review of the "Fort St. Vrain Technical Basis Documents for Piping Survey Instrumentation," WCAP-14496, submitted to support "Proposed Change 2: Determination of Interior Piping System Surface Contamination Levels." The technical basis documents will also be reviewed by the Oak Ridge Institute for Science and Education, and comments on the technical basis documents will be transmitted in a separate letter. FSV's "Proposed Change 3: Exposure Rate Frequency" is approved. One exposure rate measurement per 4 m<sup>2</sup> of building surfaces and structures is acceptable.

If you have any questions, please contact David N. Fauver at (301) 415-6625.

Sincerely,  
Clayton L. Pittiglio, Project Manager  
Low-Level Waste and  
Decommissioning Projects Branch  
Division of Waste Management  
Office of Nuclear Material Safety  
and Safeguards

Enclosure: As stated  
cc: See attached list

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

December 21, 1995

Docket No. 50-267  
License No. DPR-34

Mr. A. Clegg Crawford  
Vice President, Electric Operations  
Public Service Company of Colorado  
P.O. Box 840  
Denver, Colorado 80201-0340

Dear Mr. Crawford:

SUBJECT: REVIEW OF PUBLIC SERVICE COMPANY OF COLORADO SUBMITTAL P-95077 "FORT ST. VRAIN FINAL SURVEY PLAN FOR SITE RELEASE, PROPOSED REVISIONS FOR SURVEY OF PIPING SYSTEMS AND SUSPECT AFFECTED SURVEY UNITS"

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If you have any questions, please contact David N. Fauver at (301) 415-6625.

Sincerely,

A handwritten signature in cursive script that reads "Lawrence Bell for CLP".

Clayton L. Pittiglio, Project Manager  
Low-Level Waste and  
Decommissioning Projects Branch  
Division of Waste Management  
Office of Nuclear Material Safety  
and Safeguards

Enclosure: As stated  
cc: See attached list

NRC Comments on Proposed Change 1 in PSC's October 12, 1995, Submittal "Fort St. Vrain Survey Plan for Site Release, Proposed Revisions for Survey of Piping Systems and Suspect Affected Survey Units"

1. What is the basis for the assumption that grout filled pipes are not expected to release significant amounts of contamination to groundwater during hypothetical future burial scenarios?
2. Please provide the bases for the assumption that inhalation intake would be minor if grout filled pipes are cut during a renovation scenario. Include the number of pipes assumed to be cut during the renovation.
3. In the occupancy scenario, it assumed that five embedded pipes terminate directly at surface where the shop or office would be located. Please provide the basis for selecting five pipes.
4. In the dismantlement scenario, what thickness of concrete is assumed to remain around the removed pipe? Also, please provide the bases for the assumptions regarding the number of pipes and the time of occupancy.
5. Please provide the assumptions and output for all microshield runs.
6. What is the total activity projected to be left in the pipes? How does this compare to the the total activity predicted to remain in the rest of the facility after remediation?
7. Is there any salvage value to the imbedded piping that could result in long-term above ground storage or recycling?

Fort St. Vrain  
Docket No. 50-267  
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Letter dated: December 21, 1995

cc:  
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