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Public Service
Company of Colorado

October 30, 1996
Fort St. Vrain
P-96090

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

ATTN: Mr. Michael F. Weber, Chief
Decommissioning and
Regulatory Issues Branch

Docket No. 50-267

- REFERENCES:
1. PSCo Letter, Borst to Weber, dated May 31, 1996 (P-96041) *Initial Final Survey Report*
 2. PSCo Letter, Borst to Weber, dated August 9, 1996 (P-96061) *Final Survey Report - Submittal of Second Report*
 3. PSCo Letter, Borst to Weber, dated September 11, 1996 (P-96068) *Proposed Sampling and Survey Plan for Effluent Pathway*

SUBJECT: **Final Survey Report -- Submittal of Third and Final Report**

Dear Mr. Weber:

This letter submits for NRC approval the last of three reports that document the final radiological condition of the Fort St. Vrain Generating Station (FSV), in support of a forthcoming request for termination of the FSV 10 CFR Part 50 license. The first two phases of this FSV Final Survey Report were submitted via References 1 and 2.

Completion of Final Survey

With completion of the Final Survey, as documented in all three submittals, Public Service Company of Colorado (PSCo) considers that, as required by 10 CFR 50.82(f):

1. Decommissioning activities have been carried out in accordance with the approved FSV Decommissioning Plan and decommissioning order, and

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2. The Final Survey Report and associated documentation thoroughly demonstrate that the FSV facility and site are suitable for release for unrestricted use.

Final survey activities were performed in accordance with the FSV Final Survey Plan and implementing procedures. Survey measurements, instrumentation, personnel training, data analysis, quality control measurements, and documentation were all performed by our decommissioning contractor, the Westinghouse Team/Scientific Ecology Group, Inc. (SEG), in accordance with approved program requirements, with one exception. In the liquid effluent pathway, soil samples and survey measurements were taken in accordance with a specifically developed survey plan, that allows survey efforts to be more focused in areas where contamination is most likely to be found. PSCo requested NRC approval of the effluent pathway survey plan in our letter of September 11, 1996 (Reference 3).

PSCo recognizes that effluent pathway survey data collected in advance of NRC approval is subject to revision, based on NRC comments that may be forthcoming. However, we consider that the effluent pathway survey plan is appropriate for the FSV Final Survey, and believe that any comments can and will be satisfactorily resolved.

Quality Assurance Oversight

As described in the previous two final survey reports, PSCo performed significant quality assurance and oversight activities, including audits and monitorings of selected survey activities, to provide further confidence in the report results. This effort involved field observations, calculation verifications, and document reviews. In addition, we retained a third party to perform independent verification surveys. All of these efforts are documented in the enclosed report.

Resubmittal of Information From First Two Reports

This final submittal of the FSV Final Survey Report provides survey results for all remaining surfaces and structures, systems, open land areas, and the liquid effluent pathway. Information from the first two submittals is, in general, not re-submitted. However, a small amount of material in the enclosure to this letter is intended to replace material from previous submittals, with the following explanation:

- Replacement material is included in Binder 3 of 32 in the enclosure to this letter. This binder is distinguishable from the others by a neon green cover insert, entitled "Replacement Sections for Previously Submitted Reports."
- Binder 3 includes introductory material for the three Survey Groups that were only partially submitted previously, Groups C, D, and F (Volumes 4, 5, and 7,

- Volume 2 *Final Survey Report for Group A.* This volume was submitted in its entirety with the first phase report, Reference 1, and is NOT included herewith. Volume 2 contains the survey results and Release Records for Buildings and Areas Outside the Restricted Area. The report for the 11 Group A Survey Areas is included in 2 books.
- Volume 3 *Final Survey Report for Group B.* This volume was submitted in its entirety with the first phase report, Reference 1, and is NOT included herewith. Volume 3 contains the survey results and Release Records for Buildings and Areas Inside the Restricted Area. The report for the 17 Group B Survey Areas is included in 2 books.
- Volume 4 *Final Survey Report for Group C, Revision 1.* This volume contains a summary of survey results and the Release Records for the Turbine Building. The remaining 21 of 57 Survey Areas that were not included with the first or second phase report submittals, and the updated Sections 1 through 5 as discussed above, are included herewith. The entire Volume 4 consists of 7 books.
- Volume 5 *Final Survey Report for Group D, Revision 1.* This volume contains a summary of survey results and the Release Records for Unaffected Plant Systems. The remaining 13 of 21 Survey Areas that were not included with the first or second phase report submittals, and the updated Sections 1 through 5, are included herewith. The entire Volume 5 consists of 3 books.
- Volume 6 *Final Survey Report for Group E.* This volume contains a summary of survey results and the Release Records for the Effluent Discharge Flow Path, Basins/Ponds/Lagoons, and Surrounding Grounds. All 14 Group E Survey Areas are included, in 2 books.
- Volume 7 *Final Survey Report for Group F, Revision 1.* This volume contains a summary of survey results and the Release Records for the Reactor Building. The remaining 105 of 156 Survey Areas that were not included with the first or second phase report submittals, and the updated Sections 1 through 5, are included herewith. The entire Volume 7 consists of 19 books.
- Volume 8 *Final Survey Report for Group G.* This volume contains a summary of survey results and the Release Records for Affected Plant Systems (External to the PCRV). All 10 Group G Survey Areas are included, in 2 books.

respectively). The introductory material is included in Sections 1 through 5 in the first book of each Survey Group, and includes descriptions of activities and a summary of the survey statistics, for that specific Group. This information was revised to include the additional activities described in this final submittal.

- Binder 3 also includes replacement cover and spine inserts for all of the books in Volumes 4, 5, and 7, since the total number of books in these volumes changed with this submittal. These replacement inserts reflect the fact that Volume 4 now includes 7 books versus the original 4; Volume 5 now includes 3 books versus the original 1; and Volume 7 now includes 19 books versus the original 5.
- Holders of previous copies of Volumes 4, 5, and 7 are requested to replace the material in Sections 1 through 5, Revision 0, in the first book of each volume with the material included herewith in Sections 1 through 5, Revision 1. Also, please replace the binder cover inserts and spines with those provided in this submittal.
- Binder 3 also includes the Repower Area Final Survey Report, for completeness. This report was previously approved by the NRC on July 17, 1995.

Final Survey Report Overview

The following is an overview of each of the 12 Volumes, encompassing a total of 46 binders, that constitute the FSV Final Survey Report:

Volume 1 *Final Survey, Description and Results, Revision 2.* This submittal includes a complete replacement of the summary report, and is contained in two books. Volume 1 provides an overview of facility decommissioning and dismantlement activities, survey methodologies, and survey results. Volume 1 also includes two attachments:

- Attachment 1, Supplement 2 describes PSCo's Final Site Survey Quality Assurance and Oversight Activities subsequent to the second phase report (Reference 2); descriptions of previous Quality Assurance and Oversight Activities were provided with References 1 and 2.
- Attachment 2, Supplement 2 consists of an Independent Verification Survey Report, documenting survey activities performed for PSCo by GPU Nuclear subsequent to the second phase report (Reference 2); descriptions of previous GPU Nuclear survey activities were provided with References 1 and 2.

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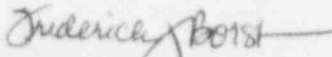
- Volume 9 *Final Survey Report for Group H.* This volume contains a summary of survey results and the Release Records for PCRV Internal Surfaces and Embedded Piping. All 7 Group H Survey Areas are included, in 2 books.
- Volume 10 *Final Survey Report for Group I.* This volume contains a summary of survey results and the Release Records for Open Land Areas, Miscellaneous Buildings and Systems. All 15 Group I Survey Areas are included, in 3 books.
- Volume 11 *Final Survey Report for Group J.* This volume contains a summary of survey results and the Release Records for Penetrations. All 4 Group J Survey Areas are included, in 1 book.
- Volume 12 *Final Survey Report for the Repower Area.* This report was previously approved by the NRC on July 17, 1995, and is included for completeness. As discussed above, this report is included in a binder entitled "Replacement Sections for Previously Submitted Reports." A separate cover insert and spine are also included for Volume 12.

Conclusion

PSCo has thoroughly reviewed the attached information and affirms that it represents the final as-surveyed condition of the FSV facility, and plant configuration as of this date. To support confirmatory survey and review activities by the NRC, survey locations will be maintained for the areas covered by this report for at least 30 days. If you desire a longer confirmatory survey and review period, please contact us before the end of this period.

If you have any questions regarding this information, please contact Mr. M. H. Holmes at (303) 620-1701.

Sincerely,



Frederick J. Borst
Decommissioning Program Director

FJB/SWC

Enclosure

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cc: Regional Administrator, Region IV

Mr. Robert M. Quillin, Director
Radiation Control Division
Colorado Department of Public Health and Environment

Mr. Eric Ablequist
Oak Ridge Institute for Science and Education