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Public Service
Company of Colorado

November 15, 1995

Fort St. Vrain

P-95102

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

**SUBJECT: Final Survey Plan for Site Release, Supplemental Information -
Contains Proprietary Information (Attachment 2)**

REFERENCE: PSCo Letter, Fisher to Weber, dated October 12, 1995 (P-95077);
"Fort St. Vrain Final Survey Plan for Site Release, Proposed
Revisions for Survey of Piping Systems and Suspect Affected
Survey Units"

Dear Mr. Weber:

This letter provides information for your use in reviewing the Fort St. Vrain Final Survey Program for Site Release and for evaluating Public Service Company of Colorado's (PSCo) proposed methods for surveying piping systems, as submitted in the referenced letter. The following attachments are provided:

Attachment 1 is the survey measurement data taken by Scientific Ecology Group (SEG) survey technicians during the NRC's September 27, 1995, inspection. This data was taken during side-by-side measurements with the ORISE measurement team, and is provided for comparison purposes.

Attachment 2 is the Technical Basis Document (TBD) package describing instrumentation developed by SEG for surveying internal piping system surfaces at Fort St. Vrain. This package describes the equipment, detector sizes, efficiencies, sensitivities, and other performance characteristics of this instrumentation, as discussed in the referenced letter. This package includes WCAP-14496, *Fort St. Vrain Technical Basis Documents for Piping Survey Instrumentation*, dated November 1995 (Proprietary).

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Attachment 3 is the non-proprietary version of this TBD package, WCAP-14497, *Fort St. Vrain Technical Basis Documents for Piping Survey Instrumentation*, dated November 1995 (Non-Proprietary).

The information contained in Attachment 2 is considered proprietary by Westinghouse Electric Corporation, under the criteria set forth in 10 CFR 2.790. The following documents are also submitted with this letter:

- (1) One copy of the Application for Withholding Proprietary Information from Public Disclosure, Westinghouse letter CAW-95-898, Attachment 4,
- (2) One copy of the accompanying affidavit, Attachment 5,
- (3) One copy of the Copyright Notice, Attachment 6, and
- (4) One copy of the Proprietary Information Notice, Attachment 7.

One copy of the above attachments is provided to the NRC Document Control Desk and one copy has been provided directly to Mr. David Fauver to expedite the NRC's review.

As Attachment 2 contains information proprietary to Westinghouse Electric Corporation, it is supported by an affidavit signed by Westinghouse, the owner of the information. The affidavit sets forth the basis on which the information may be withheld from public disclosure by the Commission and addresses with specificity the considerations listed in paragraph (b)(4) of Section 2.790 of the Commission's regulations.

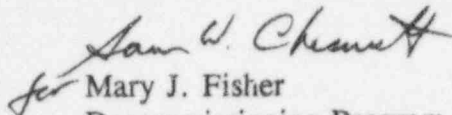
Accordingly, it is respectfully requested that the information which is proprietary to Westinghouse be withheld from public disclosure in accordance with 10 CFR 2.790 of the Commission's regulations.

Correspondence with respect to the copyright or proprietary aspects of the items listed above or the supporting Westinghouse Affidavit should reference CAW-95-898 and should be addressed to N. J. Liparulo, Manager of Nuclear Safety Regulatory and Licensing Activities, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

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

Sincerely,


for Mary J. Fisher
Decommissioning Program Director

MJF/SWC

Attachments

cc: w/o attachments

Regional Administrator, Region IV

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

ATTACHMENT 1

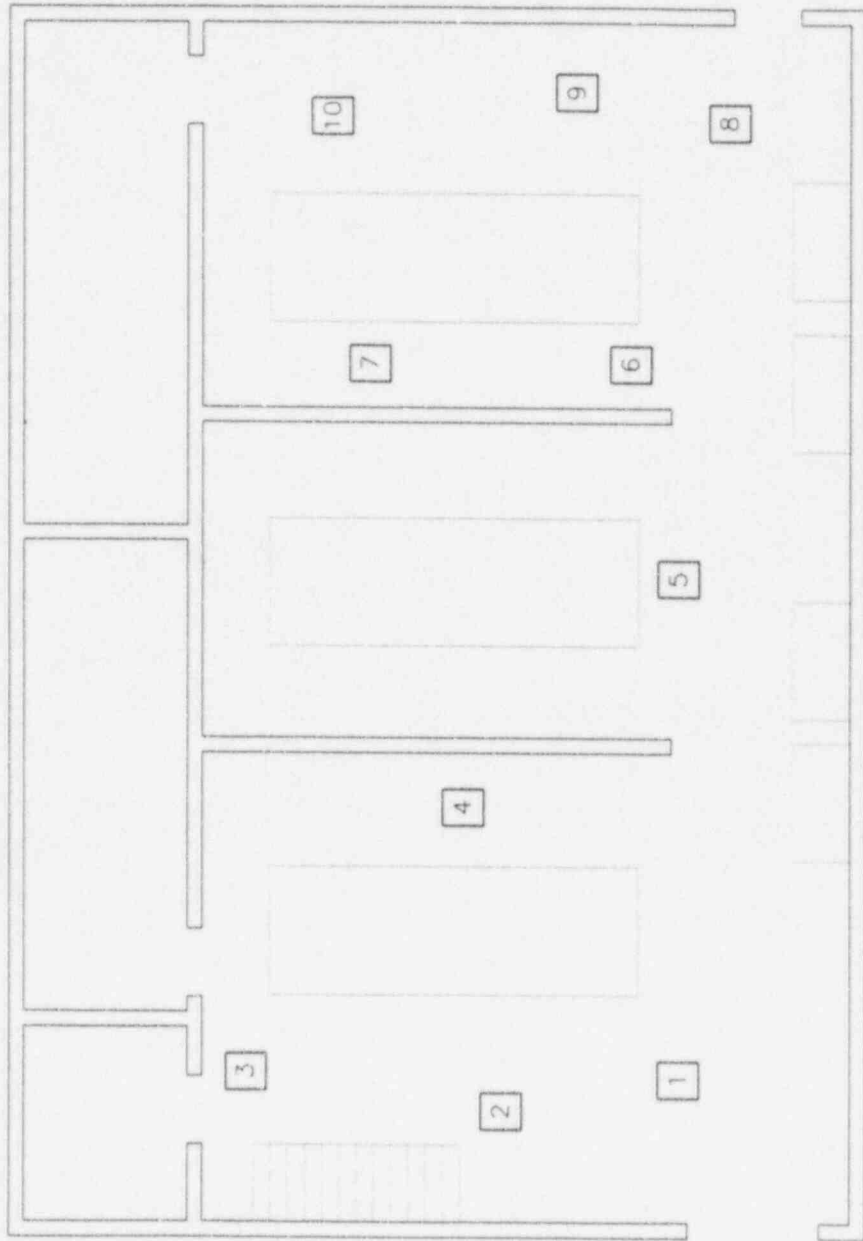
TO P-95102

SURVEY MEASUREMENT COMPARISON DATA

**TURBINE BUILDING - LEVEL 5
BATTERY ROOM - CONCRETE FLOOR**

| Location # | Sample # | Count Time (sec) | Counts (cts/15sec/125cm ²) | Counts (cpm/125cm ²) | Activity (dpm/100cm ²) |
|------------|----------|---------------------|---|-------------------------------------|---------------------------------------|
| BATT. ROOM | 1 | 15 | 148 | 592 | 2310 |
| BATT. ROOM | 2 | 15 | 155 | 620 | 2420 |
| BATT. ROOM | 3 | 15 | 143 | 572 | 2232 |
| BATT. ROOM | 4 | 15 | 137 | 548 | 2139 |
| BATT. ROOM | 5 | 15 | 154 | 616 | 2404 |
| BATT. ROOM | 6 | 15 | 152 | 608 | 2373 |
| BATT. ROOM | 7 | 15 | 145 | 580 | 2263 |
| BATT. ROOM | 8 | 15 | 155 | 620 | 2420 |
| BATT. ROOM | 9 | 15 | 135 | 540 | 2107 |
| BATT. ROOM | 10 | 15 | 174 | 696 | 2716 |

TURBINE BUILDING - LEVEL 5
 ABOVE ROOM AND BATTERY ROOMS
 MEASUREMENT COMPARISON



| | | | | | | | | | |
|-------------------|---|---|---|--|--------------------------------------|---|--------------------------------|------------|-----|
| Survey/Package #: | MEASUREMENT COMPARISON | Marker Drawing #: | N/A | Block: | TURBINE BUILDING - LEVEL 5 | ELEV: | 4791' | | |
| Location Code: | N/A | Description: | CONCRETE FLOOR | Surface Set: | | Approx. M ² : | N/A | Grid Size: | N/A |
| | <input type="checkbox"/> Beta Scan | <input type="checkbox"/> Gamma Top Rate | <input type="checkbox"/> Beta/Gamma Scans | <input type="checkbox"/> Liquid Sample | <input type="checkbox"/> Surface Set | | | | |
| | <input type="checkbox"/> Total Activity | <input type="checkbox"/> Gamma Top Rate | <input type="checkbox"/> Beta/Gamma Scans | <input type="checkbox"/> 10-5 Scans | <input type="checkbox"/> Surface Set | <input type="checkbox"/> Subsurface Set | <input type="checkbox"/> Other | | |
| Location Code: | N/A | Description: | N/A | | | Approx. M ² : | N/A | Grid Size: | N/A |
| | <input type="checkbox"/> Beta Scan | <input type="checkbox"/> Gamma Top Rate | <input type="checkbox"/> Beta/Gamma Scans | <input type="checkbox"/> Liquid Sample | <input type="checkbox"/> Surface Set | <input type="checkbox"/> Subsurface Set | <input type="checkbox"/> Other | | |
| Survey Date/Time: | / | | | | | | | | |
| | <input type="checkbox"/> Total Activity | <input type="checkbox"/> Gamma Top Rate | <input type="checkbox"/> Beta/Gamma Scans | <input type="checkbox"/> 10-5 Scans | <input type="checkbox"/> Surface Set | <input type="checkbox"/> Subsurface Set | <input type="checkbox"/> Other | | |
| | RP Tech Initials: | | | | | | | | |

**ELECTRICAL WAREHOUSE #14
CONCRETE FLOOR**

| Location # | Sample # | Count Time (sec) | Counts (cts/15sec/125cm ²) | Counts (cpm/125 cm ²) | Activity (dpm/100 cm ²) |
|-------------|----------|---------------------|---|--------------------------------------|--|
| ELECT. SHOP | 1 | 15 | 205 | 820 | 3200 |
| ELECT. SHOP | 2 | 15 | 194 | 776 | 3028 |
| ELECT. SHOP | 3 | 15 | 202 | 808 | 3153 |
| ELECT. SHOP | 4 | 15 | 212 | 848 | 3309 |
| ELECT. SHOP | 5 | 15 | 201 | 804 | 3138 |
| ELECT. SHOP | 6 | 15 | 189 | 756 | 2950 |
| ELECT. SHOP | 7 | 15 | 188 | 752 | 2935 |
| ELECT. SHOP | 8 | 15 | 172 | 688 | 2685 |
| ELECT. SHOP | 9 | 15 | 158 | 632 | 2466 |
| ELECT. SHOP | 10 | 15 | 188 | 752 | 2935 |
| ELECT. SHOP | 11 | 15 | 183 | 732 | 2857 |
| ELECT. SHOP | 12 | 15 | 187 | 748 | 2919 |
| ELECT. SHOP | 13 | 15 | 187 | 748 | 2919 |
| ELECT. SHOP | 14 | 15 | 184 | 736 | 2872 |
| ELECT. SHOP | 15 | 15 | 176 | 704 | 2747 |
| ELECT. SHOP | 16 | 15 | 192 | 768 | 2997 |
| ELECT. SHOP | 17 | 15 | 183 | 732 | 2857 |
| ELECT. SHOP | 18 | 15 | 169 | 676 | 2638 |
| ELECT. SHOP | 19 | 15 | 168 | 672 | 2622 |
| ELECT. SHOP | 20 | 15 | 168 | 672 | 2622 |

ELECTRICAL WAREHOUSE
MEASUREMENT COMPARISON



| | | | | | | | |
|--|------------------------|-------------------|----------------|------------------------|----------------------------|-----------|-----|
| Survey/Package #: | MEASUREMENT COMPARISON | Master Drawing #: | N/A | Block: | ELECTRICAL WAREHOUSE - #14 | N/A | N/A |
| Location Code: | N/A | Description: | CONCRETE FLOOR | Approx. M ² | 4791' | Grid Size | N/A |
| <input type="checkbox"/> Beta Scan <input type="checkbox"/> Gamma Scan <input checked="" type="checkbox"/> Total Activity <input type="checkbox"/> Gamma Exp. Rate <input type="checkbox"/> Beta/ Gamma Sensors <input type="checkbox"/> H-5 Sensors <input type="checkbox"/> Liquid Sample <input type="checkbox"/> Sediment Sample <input type="checkbox"/> Surface Soil <input type="checkbox"/> Subsurface Soil <input type="checkbox"/> Other | | | | | | | |
| Location Code: | N/A | Description: | N/A | Approx. M ² | N/A | Grid Size | N/A |
| <input type="checkbox"/> Beta Scan <input type="checkbox"/> Gamma Scan <input type="checkbox"/> Total Activity <input type="checkbox"/> Gamma Exp. Rate <input type="checkbox"/> Beta/ Gamma Sensors <input type="checkbox"/> H-5 Sensors <input type="checkbox"/> Liquid Sample <input type="checkbox"/> Sediment Sample <input type="checkbox"/> Surface Soil <input type="checkbox"/> Subsurface Soil <input type="checkbox"/> Other | | | | | | | |
| Survey Date/Time: | / | RP Tech Initials: | | | | | |

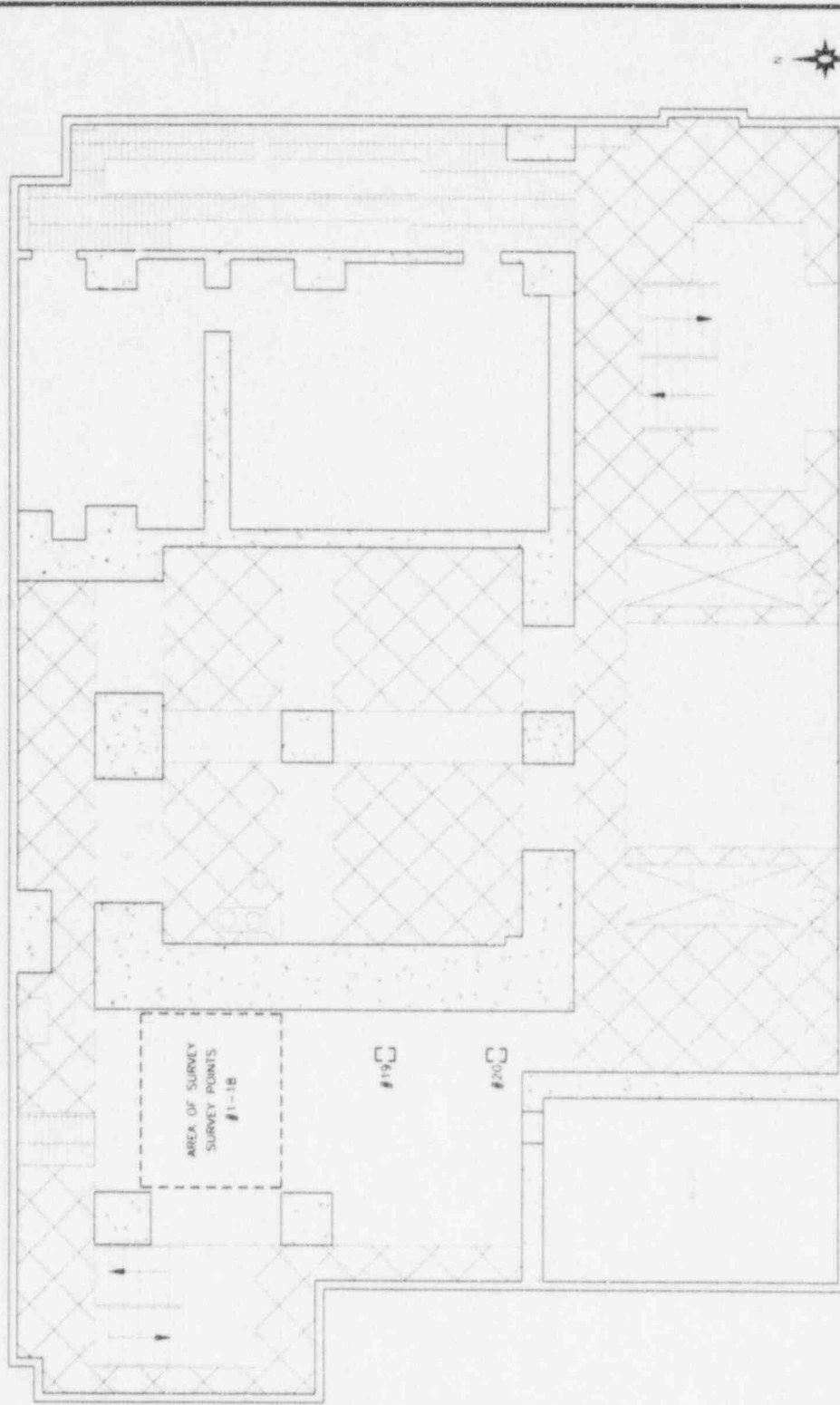
**REACTOR BUILDING - LEVEL 3
RESIN CHANGE OUT AREA - CONCRETE FLOOR**

| Location # | Sample # | Count Time (sec) | Counts (cts/15sec/125cm ²) | Counts (cpm/125cm ²) | Activity (dpm/100 cm ²) |
|-----------------------|----------|------------------|--|----------------------------------|-------------------------------------|
| RESIN CHANGE OUT AREA | 1 | 15 | 326 | 1304 | 5089 |
| RESIN CHANGE OUT AREA | 2 | 15 | 1008 | 4032 | 15735 |
| RESIN CHANGE OUT AREA | 3 | 15 | 400 | 1600 | 6244 |
| RESIN CHANGE OUT AREA | 4 | 15 | 311 | 1244 | 4855 |
| RESIN CHANGE OUT AREA | 5 | 15 | 366 | 1464 | 5713 |
| RESIN CHANGE OUT AREA | 6 | 15 | 419 | 1676 | 6540 |
| RESIN CHANGE OUT AREA | 7 | 15 | 378 | 1512 | 5900 |
| RESIN CHANGE OUT AREA | 8 | 15 | 1481 | 5924 | 23118 |
| RESIN CHANGE OUT AREA | 9 | 15 | 465 | 1860 | 7259 |
| RESIN CHANGE OUT AREA | 10 | 15 | 337 | 1348 | 5260 |
| RESIN CHANGE OUT AREA | 11 | 15 | 467 | 1868 | 7290 |
| RESIN CHANGE OUT AREA | 12 | 15 | 1989 | 7956 | 31048 |
| RESIN CHANGE OUT AREA | 13 | 15 | 521 | 2084 | 8133 |
| RESIN CHANGE OUT AREA | 14 | 15 | 407 | 1628 | 6353 |
| RESIN CHANGE OUT AREA | 15 | 15 | 1350 | 5400 | 21073 |
| RESIN CHANGE OUT AREA | 16 | 15 | 662 | 2648 | 10334 |
| RESIN CHANGE OUT AREA | 17 | 15 | 335 | 1340 | 5229 |
| RESIN CHANGE OUT AREA | 18 | 15 | 1018 | 4072 | 15891 |
| RESIN CHANGE OUT AREA | 19 | 15 | 665 | 2660 | 10380 |
| RESIN CHANGE OUT AREA | 20 | 15 | 323 | 1292 | 5042 |

NOTES

- 1) Instrument Type: Ludlum Model 2350 Data Logger - Serial #95359
- 2) Detector Model Number: 43-68B Gas Flow Proportional Counter - Serial #PR092525
- 3) Instrument Efficiency: .205
- 4) Detector Area: 125cm²
- 5) Background : No background value applied
- 6) Technician: Declan Detrick
- 7) Survey Date: 09/27/95

REACTOR BUILDING - LEVEL 5 - EAST
MEASUREMENT COMPARISON



| Survey/Package #: | MEASUREMENT COMPARISON | Master Drawing # | N/A | REACTOR BUILDING - LEVEL 5 | ELEV | 4771' | |
|-------------------|------------------------|------------------|------------------|----------------------------|------|-----------|-----|
| Location Code: | N/A | Description: | CONCRETE FLOOR | Approx. M ² | N/A | Grid Size | N/A |
| Area Code: | N/A | Description: | RP Tech Initials | Approx. M ² | N/A | Grid Size | N/A |
| Survey Date/Time: | | | | | | | |

ATTACHMENT 3

TO P-95102

FORT ST. VRAIN TECHNICAL BASIS DOCUMENTS
FOR PIPING SURVEY INSTRUMENTATION
(NON-PROPRIETARY)

ATTACHMENT 4

TO P-95102

APPLICATION FOR WITHHOLDING PROPRIETARY INFORMATION
FROM PUBLIC DISCLOSURE