



**Public Service®**

16805 WCR 19 1/2; Platteville, Colorado 80651

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).

9511210296 951115  
PDR ADDCK 05000267  
W PDR

823003

HPol  
11/11/95  
1 NP  
Change:  
NRC for  
H1  
End  
1 NP

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.

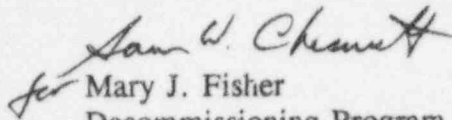
P-95102

November 15, 1995

Page 3

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

Sincerely,



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

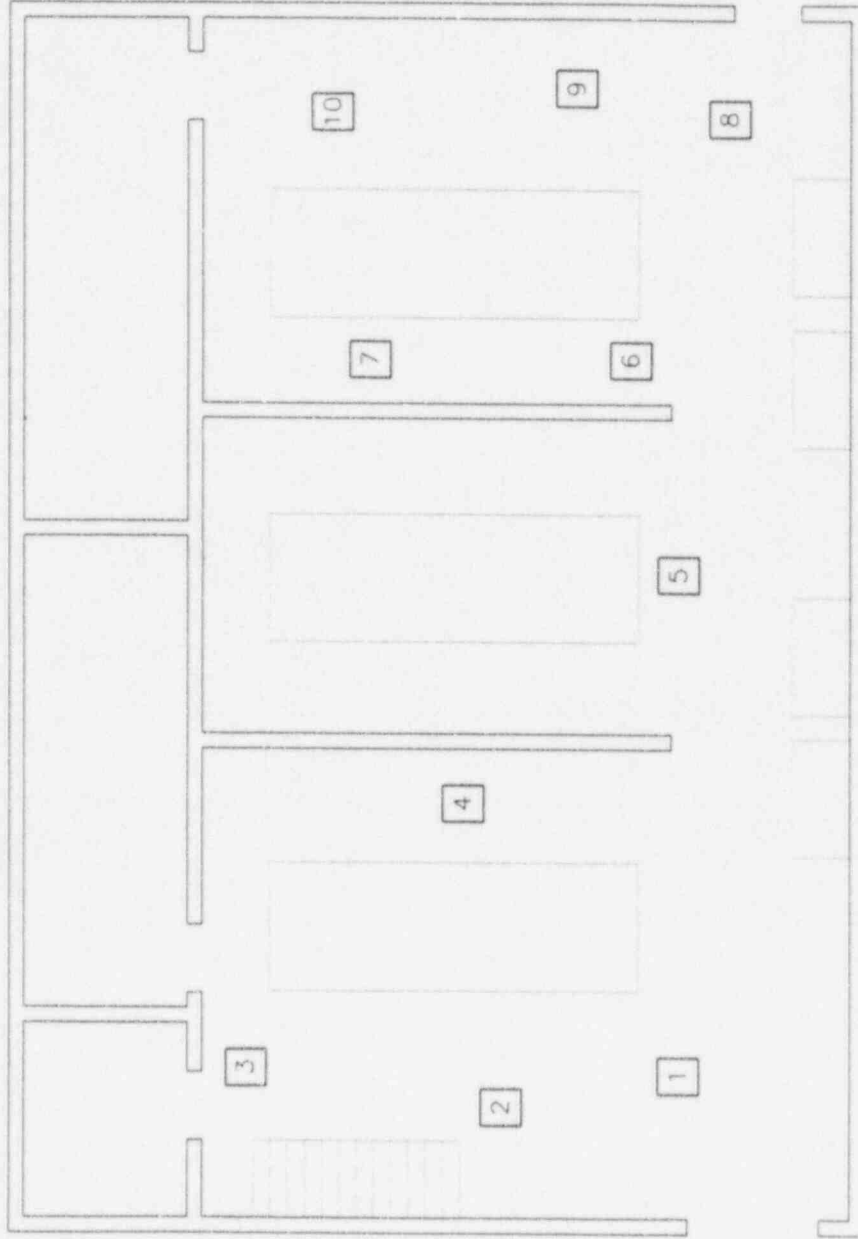
TO P-95102

SURVEY MEASUREMENT COMPARISON DATA

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

Location #	Sample #	Count Time (sec)	Counts (cts/15sec/125cm <sup>2</sup> )	Counts (cpm/125cm <sup>2</sup> )	Activity (dpm/100cm <sup>2</sup> )
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		Approx. M <sup>2</sup>	N/A	Grid Size
<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 Source	<input type="checkbox"/> 10-5 Source	<input type="checkbox"/> Liquid Sample	<input type="checkbox"/> Solid Sample
<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 Source	<input type="checkbox"/> 10-5 Source	<input type="checkbox"/> Liquid Sample	<input type="checkbox"/> Solid Sample
Survey Date/Time:							

**ELECTRICAL WAREHOUSE #14  
CONCRETE FLOOR**

Location #	Sample #	Count Time (sec)	Counts (cts/15sec/125cm <sup>2</sup> )	Counts (cpm/125 cm <sup>2</sup> )	Activity (dpm/100 cm <sup>2</sup> )
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<sup>2</sup> 4791' Grid Size N/A
☐ Beta Scan ☐ Gamma Scan ☒ Total Activity ☐ Gamma Exp. Rate ☐ Beta/Gamma Detectors ☐ H-5 Scanners ☐ Liquid Sampler ☐ Sediment Sampler ☐ Surface Soil ☐ Subsurface Soil ☐ Other

Location Code: N/A

Description: N/A

Approx. M<sup>2</sup> N/A Grid Size N/A
☐ Beta Scan ☐ Gamma Scan ☐ Total Activity ☐ Gamma Exp. Rate ☐ Beta/Gamma Detectors ☐ H-5 Scanners ☐ Liquid Sampler ☐ Sediment Sampler ☐ Surface Soil ☐ Subsurface Soil ☐ Other

Survey Date/Time:

/

RP Tech Initials:



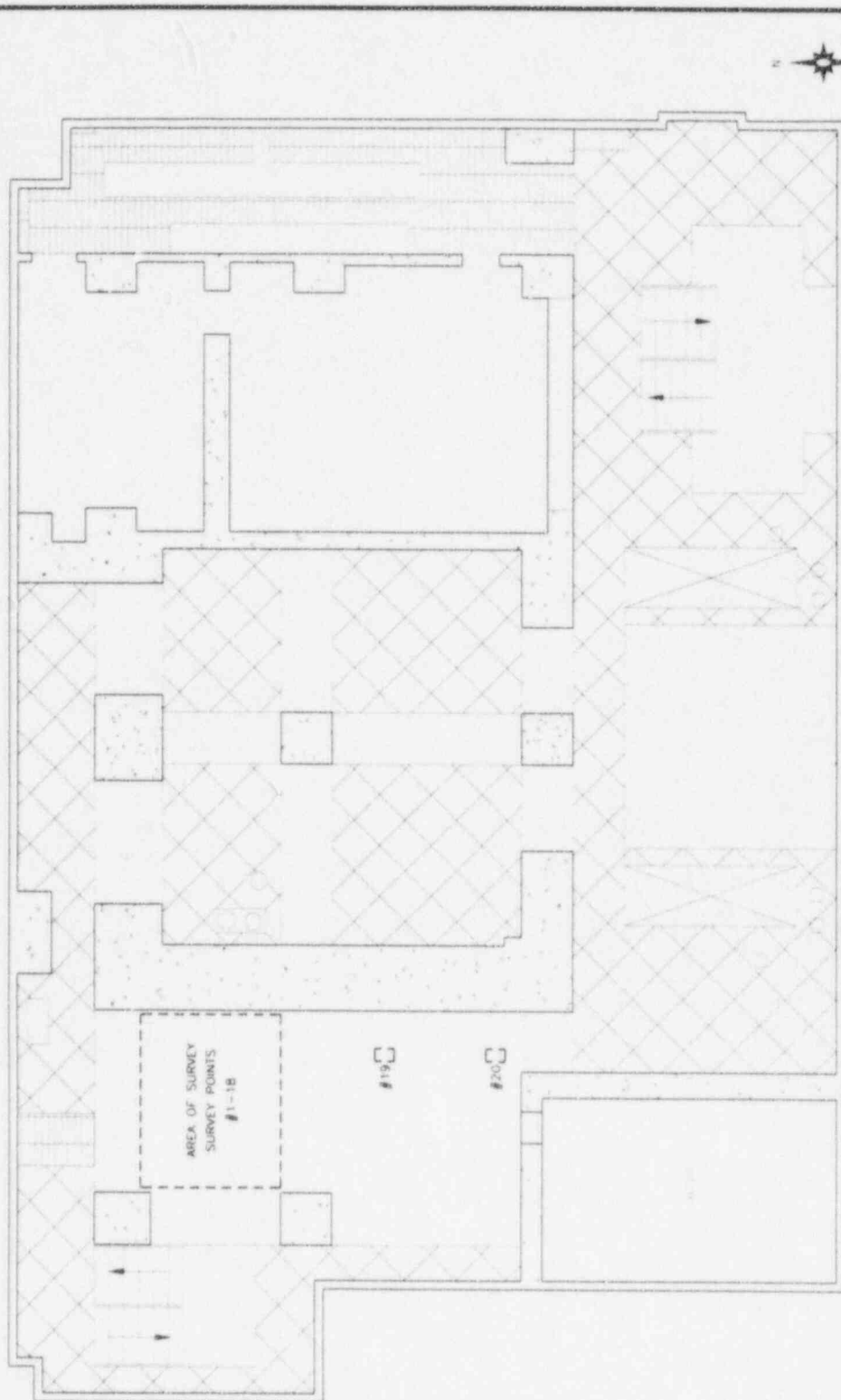
**REACTOR BUILDING - LEVEL 3  
RESIN CHANGE OUT AREA - CONCRETE FLOOR**

Location #	Sample #	Count Time (sec)	Counts (cts/15sec/125cm <sup>2</sup> )	Counts (cpm/125cm <sup>2</sup> )	Activity (dpm/100 cm <sup>2</sup> )
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: 125cm<sup>2</sup>
- 5) Background : No background value applied
- 6) Technician: Declan Detrick
- 7) Survey Date: 09/27/95

REACTOR BUILDING - LEVEL 3 - EAST  
MEASUREMENT COMPARISON

[illegible]

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