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Author(s): D Reinemann

Principal author signature: D R Reinemann

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Approver signature: S. Grabowski

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River Protection Project
Waste Treatment Plant
2435 Stevens Center Place
Richland, WA 99352
United States of America
Tel: 509 371 2000

Notice

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History Sheet

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Acronyms and Abbreviations

AEA	Atomic Energy Act of 1954
DOE	US Department of Energy
PT	pretreatment
PWD	plant wash and disposal
WAC	Washington Administrative Code

1 Introduction

The Washington Administrative Code, WAC 173-303, requires the use of secondary containment for systems containing dangerous waste. This document provides a brief description of the secondary containment sumps and drains located at the 56 ft level of the pretreatment (PT) facility.

2 Applicable Documents

WAC 173-303, *Dangerous Waste Regulations*, Washington Administrative Code

3 Description

3.1 Elevation 56 Ft

There are no sumps located on the 56 ft elevation in this facility.

For Room P-0332B, a C5 floor drain is provided to direct any potential leakage or spillage from the ancillary equipment to the ultimate overflow vessel (PWD-VSL-00033).

Room P-0335 has miscellaneous units contained within separate concrete bermed areas lined with stainless steel. Each bermed area has a C5 floor drain to direct any potential leakage or spillage from the ancillary equipment to the ultimate overflow vessel (PWD-VSL-00033).

For all other rooms, floor drains and curbing, where applicable, are provided in the vicinity of various items of regulated system ancillary equipment. The drains direct any potential leaks or spills from the ancillary equipment and discharge from the fire protection sprinkler system to the C3 floor drain collection vessel (PWD-VSL-00046). Entries to containment areas have drainage trenches immediately in front of them to prevent firewater or other material from flowing into C2 areas.

Information is given in Table 1 on the PT facility 56 ft elevation drains that form an extension of the secondary containment boundary.

Table 1 Pretreatment Drains

Item No.	Drain Line/Floor Drain No.	PT Room Number	Max. Drain Line Capacity Gal / min	Drain Line Size Pipe diameter in inches	P&ID Number	Material of Fabrication
1	PWD-FD-00002	P-0335 Drain Elevation 56 ft	255 (Note 1)	4	24590-PTF-M6-PWD-P0011	SS316L
2	PWD-FD-00003	P-0335 Drain Elevation 56 ft	255 (Note 1)	4	24590-PTF-M6-PWD-P0011	SS316L
3	PWD-FD-00313	P-0303B Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
4	PWD-FD-00314	P-0303B Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0044	SS316L
5	PWD-FD-00315	P-0303B Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0044	SS316L
6	PWD-FD-00316	P-0303B Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
7	PWD-FD-00317	P-0303B Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
8	PWD-FD-00318	P-0303B Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0044	SS316L
9	PWD-FD-00319	P-0303B Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
10	PWD-FD-00322	P-0303 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
11	PWD-FD-00323	P-0304 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
12	PWD-FD-00324	P-0304 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
13	PWD-FD-00325	P-0304 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
14	PWD-FD-00326	P-0304 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
15	PWD-FD-00327	P-0304 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
16	PWD-FD-00328	P-0303 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0044	SS316L
17	PWD-FD-00329	P-0303 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
18	PWD-FD-00333	P-0324 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
19	PWD-FD-00334	P-0302 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
20	PWD-FD-00335	P-0302 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0044	SS316L
21	PWD-FD-00384	P-0311 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0043	SS316L
22	PWD-FD-00385	P-0311 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
23	PWD-FD-00386	P-0307 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0043	SS316L
24	PWD-FD-00387	P-0307 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
25	PWD-FD-00388	P-0307 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
26	PWD-FD-00389	P-0317 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
27	PWD-FD-00390	P-0317 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0043	SS316L
28	PWD-FD-00391	P-0317 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
29	PWD-FD-00392	P-0317 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
30	PWD-FD-00393	P-0317 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L

Item No.	Drain Line/Floor Drain No.	PT Room Number	Max. Drain Line Capacity Gal / min	Drain Line Size Pipe diameter in inches	P&ID Number	Material of Fabrication
31	PWD-FD-00394	P-0317 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
32	PWD-FD-00458	P-0324 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
33	PWD-FD-00459	P-0324 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
34	PWD-FD-00460	P-0324 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0044	SS316L
35	PWD-FD-00461	P-0302 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
36	PWD-FD-00462	P-0302 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
37	PWD-FD-00463	P-0302 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0044	SS316L
38	PWD-FD-00464	P-0301 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0044	SS316L
39	PWD-FD-00465	P-0301 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
40	PWD-FD-00466	P-0301 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
41	PWD-FD-00469	P-0336 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
42	PWD-FD-00470	P-0336 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0044	SS316L
43	PWD-FD-00471	P-0336 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
44	PWD-FD-00472	P-0336 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0044	SS316L
45	PWD-FD-00503	P-0332B Drain Elevation 56 ft	104	4	24590-PTF-M6-PWD-P0011	SS316L
46	PWD-FD-00508	P-0311 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
47	PWD-FD-00509	P-0311 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0043	SS316L
48	PWD-FD-00510	P-0311 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
49	PWD-FD-00511	P-0311 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
50	PWD-FD-00512	P-0320 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
51	PWD-FD-00513	P-0320 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
52	PWD-FD-00514	P-0320 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
53	PWD-FD-00515	P-0325 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
54	PWD-FD-00516	P-0325 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
55	PWD-FD-00517	P-0325 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0043	SS316L
56	PWD-FD-00518	P-0311 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
57	PWD-FD-00519	P-0311 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0043	SS316L
58	PWD-FD-00520	P-0311 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
59	PWD-FD-00521	P-0311 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0043	SS316L
60	PWD-FD-00522	P-0311 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
61	PWD-FD-00523	P-0311 Drain Elevation 56 ft	655	8	24590-PTF-M6-PWD-P0043	SS316L
62	PWD-FD-00524	P-0311 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L

Item No.	Drain Line/Floor Drain No.	PT Room Number	Max. Drain Line Capacity Gal / min	Drain Line Size Pipe diameter in inches	P&ID Number	Material of Fabrication
63	PWD-FD-00527	P-0311 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L
64	PWD-FD-00528	P-0311 Drain Elevation 56 ft	140	6	24590-PTF-M6-PWD-P0043	SS316L

Notes:

1. Items 1 and 2 are special cases due to their location in equipment berms. The capacity for these drain lines is based on a unique bounding case for liquid spillage.