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This document consists of 20 pages, No. 2 of 30 copies, Series A.

TABULATION OF

RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES

Classification Cancelled (Change to DECLASSIFIED)

By Authority of B. J. Bergman

Supv. Classification Specialist 5/7/58

S Hoke 7/1/58

by

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Radiological Engineering Section
Radiological Sciences Department
Hanford Atomic Products Operation
GENERAL ELECTRIC COMPANY

May 10, 1956

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TABULATION OF

RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES

The following lists describe facilities in the Hanford project for disposal of radioactive liquid wastes into the ground. Most are for planned disposals, but included are several which were not intended to become contaminated, but did, and several others which may be expected to become contaminated similarly. Not included are sanitary, powerhouse and a few other liquid disposal facilities which may receive only insignificant amounts of radioactive material. The lists do not include solid waste disposal facilities, or others (such as tanks, buried barrels) in which contaminated liquid is contained against entry into the soil.

This document supersedes HW-33305, the initial tabulation issued October 8, 1954. It is anticipated that the unduplicated material in this document will be incorporated in future revisions of HW-28337 "Unconfined Underground Radioactive Waste and Contamination" (100 Areas), HW-41535 for the 200 Areas, and HW-39076 for 300 Area and miscellaneous areas not included in the first two documents. These three also include unplanned and solid waste disposal descriptions and maps. Volumes and activities of radioactive contamination in liquid wastes discharged to ground at Separations facilities through June 1955 are tabulated in document HW-38562. Additions or corrections to the listed data (except subsequent inventories regularly reported to the Radiological Sciences Department) are solicited.

Nomenclature for liquid disposal facilities has not been standardized, much being colloquial and misleading. In these lists the following terms and interpretations have been used:

Cavern - earth-covered large hollow, bottom open to ground

Crib - earth-covered structure for liquid disposal, with box(es), horizontal pipe, or uniform-sized gravel to provide distribution and surge space.

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Ditch - sub-surface linear excavation, open one or both ends to larger disposal area.

French Drain - tile or short pipe buried vertically, sometimes gravel filled.

Grave - an excavation for "one-shot" (few days) disposal, promptly backfilled.

Pond - surface sump, usually diked.

Reverse Well - drilled cased well to receive contaminated liquids.

Swamp - natural surface sump, may be partially diked.

Sump - same as trench, except essentially square or round.

Trench - sub-surface linear excavation, closed both ends, for continuous or repeated disposals over more than a few days.

Specification HW-5000, "Official Hanford Works Building List" (11-4-54) has listed only a few radioactive liquid waste disposal facilities, making reference to HW-33305, this document's predecessor for the remainder. With the concurrence of the Head, Engineering Files Unit, the Building Numbers listed herein will serve by reference as the official numbers assigned to date. Building Numbers for future disposal facilities must be obtained on a form from Engineering Files Unit. In this listing, a single building number is used for facilities in overflow series, or for a facility consisting of one gravel bed despite two or three crib boxes or other distribution provisions.

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 100-B & C AREAS

Bldg.No.	Name	Bot.Dimens-Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
116-B-1	105-B Stor.Bsn.Grave	10	130	6	69080	80250	468	Stor.Bsn. cleanout	1946		H-1-4049	
116-B-2	107-B #1 Grave	10	120	6	71780	80?30	432	Rcten. Basin sludge	1948		H-1-4049	
116-B-3	107-B Trench "B"	50	500	15	71530	79600	440	Rup. slug bsn. water	1950-Pres.		H-1-523	H-1-1540
116-B-4	105-B Pluto Crib	10 diam.		10	69120	80430	468	Rup. slug tube water	1950-1954		H-1-4049	
116-B-5	111-B Crib	12	8	6	68620	80335	474	Slug Stg. Bsn. water	5/50-6/53		M2888 Sh4	None
116-B-6	108-B Crib	84	8	5	69925	80654	459	P-10 process wastes	1950-6/54		H-1-1595	H-1-15[illegible]
116-B-7	104-B-2 French Drain	4 diam.		3	69743	80728	461	P-10 Stg. Bldg. drains	1952-6/54		H-1-2659	H-1-266[illegible]
116-B-8	107-B #2 Grave	10	65	6	71400	80115	440	Ret. Bsn. sludge	F-1952		H-1-4049	
116-B-9	105-B Eff.Vent Trench	100	10	10	69425	80200	468	Eff.Line Vent Drn. water	F/54-Pres.		H-1-4049	
116-C-1	105-C Crib	16	23	15	67501	79962	493	Decontm.Soln.,Stg.Bn.Wtr.	1952-Pres.		SK-1-989	SK-1-[illegible]
116-C-2	107-C Trench "C"	50	500	25	71600	78800	441	107-C Retn.Bsn.Cinout	1952-Pres.		M-1600-B	P-55[illegible]

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 100-D & DR AREAS

Bldg.No.	Name	Bot.Dimens.-Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
116-D-1	105-D #1 Stg.Bsn.Trench	10	130	6	92230	52480	468	Stg.Bsn.clnout slurry	1947-1952		H-1-4046	
116-D-2	105-D Pluto Crib	10 diam		20	91970	52610	466	Rup.slug tube water	1950-1954		H-1-4046	
116-D-3	108-D Crib	10 diam		20	92780	52780	467	Contam.Maint.Shop waste	Su/52-pres.		H-1-4046	
116-D-4	107-D #1 Grave	100	10	10	94450	52850	460	SW Bsn. cleanout sludge	F-1952		H-1-4046	
116-D-5	107-D #2 Grave	10	30	6	94460	53200	460	SE Bsn. cleanout sludge	F-1952		H-1-4046	
116-D-6	107-D #3 Grave	10	80	20	94750	53180	457	N. Bsn. cleanout sludge	F-1952		H-1-4046	
116-D-7	105-D #2 Stg.Bsn.Trench	100	10	15	92300	52570	468	St.Bsn.ov'flow & 115 wtr.	Sp/53-pres.		H-1-4046	
116-D-8	105-D Cush.Corr.Fr.Drn.	3 diam		3	92300	52720	461	Cush. Corr decontam.	Su/53-pres.		H-1-4046	
116-DR-1	105-DR Pluto Crib	10	10	20	91025	52600	461	Rup.slug tube wtr.&INK'53	1950-11/53		H-1-4046	
116-DR-2	105-DR #3 Grave	20	10	10	91150	52650	461	Sand slurry over slug in C elev. pit	2-52		H-1-4046	
116-DR-3	107-DR #1 Trench	15	300	20	94650	51900	451	D&DR Rup.slug,Bsn.rpr.slry.	Sp/51-pres		M1600D Sh8	
116-DR-4	107-DR Waste Sump	15	15	20	94130	52100	452	Rtn. Bsn. leakage	1/52-pres.		H-1-4046	
116-DR-5	107-DR #1 Grave	50	10	10	94600	52110	454	East Bsn. cleanout sludge	F-52		M1600D Sh8	H-1-87
116-DR-6	107-DR #2 Grave	80	10	6	94625	52575	452	West Bsn.cleanout sludge	F-52		H-1-4046	
116-DR-7	107-DR #2 Trench	4	100	4	94100	52600	452	Eff. water-Bsn. repair	F/52		H-1-4046	
116-DR-8	1608-DR Drain Trench	50	10	10	91300	52550	461	Process water (3X Trench)	4/53		H-1-4046	
116-DR-9	105-DR #1 Grave	10	30	10	91000	52750	461	Stg.Bsn. cleanout slurry	11/53		H-1-4046	
116-DR-10	105-DR #2 Grave	30	6	3	91500	52535	458	Eff. wtr. from #1 Exp. Bx. DR West Eff. line	3/54		H-1-4046	

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 100-F & P-11 AREAS

Bldg. No	Name	Bot. Dimens-Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
116-F-1	148-F French Drain	3 diam		6	80270	29120	407	Eff. pump prime & ov'flow	1944	-pres.	M1600F Sh5 (1)	
116-F-2	105-F Stg. Bsn. Trench	10	100	8	78890	30910	413	Rup.slug wtr.,Bsn.clnout	1947	-1951	H-1-4048	
116-F-3	108-F Burial Pipes (7)	6 diam		18	78920	33080	400	Animals & liquid wastes	1949	-11/54	H-1-4048	
116-F-4	105-F Pluto Crib	10 diam		10	78890	31057	413	up. slug tube water	1950	-1954	H-1-5147	
116-F-5	107-F Trench	250	50	15	79290	28570	412	Rup.slug wtr.,bsn.clnout	1950	-pres.	H-1-1522	H-1-1540
116-F-6	P-11 Crib	8	8	8	63343	25821	393	P-11 exper. wastes	1951	-12/51	H-7-617	H-7-633
116-F-7	1705-F Exper.Gardens (6)	10	4	3	90620	29290	407	Eff.Wtr.for Botany Exper.	Sp/52	-pres.	M1600F Sh5	
116-F-8	108-F Exper. Garden	40	20	srf	76550	33300	392	Sr^{90} Soln.for Boty.Exper.	Su/52	-pres.	H-1-4048	
116-F-9	105-F San.Tile Field Drain Ditch	4000	6	4	79350 83000	31750[a] 32300[b]	400	Reactor down coolant (3X), overflow valve pit	11/52		H-1-4048	
116-F-10	105-F Cool Wtr. Trench	100	10	15	78730	30930	412	Reac.Coolant,Stg.Bsn.Wtr.	11/52	-pres.	H-1-4048	
116-F-11	105-F Cush.Corr.Fr.Drn.	3 diam		3	79016	30885	412	Cush.Corr. decontam.	Su/53	-pres.	H-1-4048	
116-F-12	105-F Ball Washer Crib	15 diam		12	78855	31126	412	3X Ball Wash solutions	F/54	-pres.	M1600F Sh5	H-1-5147

(1) Doc. HW-27337

a - start

b - end

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 100-H & 100-K AREAS

Bldg.No.	Name	Bot.Dimens-Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
100-H AREA												
116-H-1	105-H Pluto Crib	10 diam		10	95130	39850	421	Rup slug tube water	1950-Sp/52		P-1220	Doc.HW-27337
116-H-2	107-H Trench	800	25	15	94850	38602	420	107-H Bsn. cleanout slurry	1952-Pres.		P-1009 Sh8	H-1-8724DR
116-H-3	107-H Grave	150	15	15	95400	38400	420	Buried waste & sludge	Sp/53		H-1-4047	
116-H-4	1608-H Drain Trench	30	10	6	94830	39750	421	Process Wtr. (3X shutdown)	5/53		H-1-4047	
100-K AREA												
116-K-1	107-K Eff. Pond	200 sq. Sif.			78000	67000	420	107-K Bsn.cleanout slurry	2/55-pres.		H-1-25189	H-1-25021
116-K-2	107-K Eff. Trench	4	4000	14	77960 81100	67130[a] 64655[b]	430	107-K Bsns. slurries (slug, purge, etc.)	6/55-pres.		SK-1-20875	
116-KE-1	115-KE Cond.French Drn.	6 diam		27	4521[c]	4376[c]	464	115-KE Drier condensate	2/55-pres.		H-1-23215KE	H-1-23207
116-KE-2	105-KE Stg. Bsn.Fr.Drn.	10 diam		39	4691[c]	4756[c]	464	Bsn. Sub-Drainage	2/55-pres.		H-1-23215KE	H-1-23207
116-KE-3	1706-KER Waste Crib	16	16	32	4435[c]	5076[c]	464	Recirc.Test non-std.waste	Not yet used (F56)		H-1-20365KE	H-1-20380
116-KW-1	115-KW Cond. French Drn.	6 diam		27	4521[c]	6376[c]	464	115-KW Drier condensate	3/55-pres.		H-1-23215KW	H-1-23207
116-KW-2	105-KW Stg. Bsn.Fr.Drn.	10 diam		39	4691[c]	6757[c]	464	Basin Sub-Drainage	3/55-pres.		H-1-23215KW	H-1-23207

a - start
b - end
c - K- Area Coordinates

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200 EAST AREA (A-PLANT)

Bldg.No.	Name	Lot.Dimens. Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
216-A-1	216-A-1 Crib	20	20	15	41330	47150	668	Startup wastes	11/55-12/55		H-2-55900	H-2-56016
216-A-2	216-A-2 Crib	20	20	28	39515	48278	712	Spent organic extrct.	1/56-pres.		H-2-55900	H-2-56050
216-A-3	216-A-3 Crib	20	20	16	40470	48540	704	Silica gel regen.soln.	1/56-pres.		H-2-55900	H-2-56050
216-A-4	216-A-4 Crib	20	20	25	39515	48158	710	Lab, Cell, & Sk. drain	12/55-pres.		H-2-55900	H-2-56050
216-A-5	216-A-5 Crib	35	35	32	39397	48714	710	Process condensate	12/55-pres.		H-2-55900	H-2-56050
216-A-6	216-A-6 Crib	100	100	19	39880	47000	688	Coil & Jckt. stm. cond.	12/55-pres.		H-2-55900	H-2-56016
216-A-7	216-A-7 Crib	10	10	15	41205	47200	672	152-A Divsn.Bx. Drain	1/56-pres.		H-2-55900	H-2-56016
216-A-8	216-A-8 Crib	20	880	14	41695	46305	654	Tk. Frm. cond. & coolant	1/56-pres.		H-2-55900	H-2-56157
216-A-9	216-A-9 Crib	420NW	20	12	41106	48546	694	Acid Rcvy.cond.& coolant	Not yet used		H-2-55577	H-2-55577
216-A-10	216-A-10 Crib	275	45	45	39370	48942	714	Alt. 216-A-5 Crib	Not yet used		H-2-55576	H-2-55576
216-A-11	216-A-11 Fr. Drn.	30"diam		30	39780	48050	708	Steam Trap Pit #1 drain	1/56-pres.		H-2-55092	H-2-55090M
216-A-12	216-A-12 Fr.Drn.	30"diam		33	39780	48503	708	Steam Trap Pit #3 drain	1/56-pres.		H-2-55095	H-2-55090M
216-A-13	216-A-13 Fr.Drn.	2 diam		18	39814	49010	708	Air Samp. seal water	1/56-Pres.		SK-22568	HW std B-4-45
216-A-14	216-A-14 Fr.Drn.	30"diam		29	39742	48551	708	Vacuum Cleaner Pit drain	1/56-pres.		H-2-53465	H-2-55090M
216-A-15	216-A-15 Fr.Drn.	2 diam		44	39516	48656	712	Sampler Pit #4 drain	12/55-pres.		H-2-56045-2	H-2-56045-2
216-A-16	216-A-16 Fr.Drn.	4 diam		17	41191	47443	686	216-A-17 overflow	1/56-pres.		H-2-55943	H-2-55943
216-A-17	216-A-17 Fr.Drn.	4 diam		17	41181	47453	686	Tk. Frm. De-entmet. drain	1/56-pres.		H-2-55943	H-2-55943
216-A-18	216-A-18 Grave (uncompl. Crib)	80	80	15	41860	47000	656	Startup wastes	11/55-1/56		H-2-55900	H-2-56119

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200 EAST AREA (A-PLANT) (Continued)

Bldg.No.	Name	Bot.Dimens.-Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Map	Numbers Details
216-A-19	216-A-19 Grave	25	25	15	41900	46680	652	Startup wastes	11/55	1/56	H-2-55900	Work Order
216-A-20	216-A-20 Grave (test hole)	25	25	15	41875	46540	652	Startup wastes	11/55	1/56	H-2-55900	Work Order
216-A-21	216-A-21 Crib	60	16	19	39300	48160	711	Iodine Caustic Scrubber	To be built		H-2-55900	H-2-57042
216-A-22	216-A-22 Fr.Drn.	6 diam		16	40344	48560	708	Steam Cond., UNH Stg. Tks. & loading docks	3/56	-pres.	H-2-54818	H-2-54818

all cribs + Fr. Drain: N-2-56521

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200 EAST AREA (B-PLANT)

Bldg.No.	Name	Bot.Dimen-Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
216-B-1	Purex Swamp & Ditch[a]	1500	800	srf	40700	45500	672	284B wtr.& Prx.cool wtr.	4/45-	pres.	H-2-2431	
216-B-2	B Plt. Ditch (to swamp)	6	3300	6	45000[b] 44175[c]	51900 48520	644 629	221B cool wtr.,284B wtr.	4/45-	pres.	H-2-2431	
216-B-3	B Plant Swamp	1000	6000	srf	43650	45000	576	221B cool wtr.,284B wtr.	4/45-	pres.	H-2-2926	
216-B-4	292-B Reverse Well	8"diam		110	42309	53603	702	291B Stack drainage	4/45-	8/47	H-2-1100	
216-B-5	241-361 Reverse Well	8"diam		302	43480	52855	683	224B 5-6 & Cell drain	4/45-	10/47	H-2-1123	SK-2-422
216-B-6	222-B-110 Reverse Well	6"diam		75	42403	53882	701	222B Sinks	4/45-	11/49	HW6987C	Sh3
216-B-7	241-B #1 & 2 Crib (2 boxes) each	12	12	14	45648	52790	644	224B, 221B 5-6, 201-4 Tks. overflow	10/46-	pres.	H-2-579	H-2-558
216-B-8	241-B-3 Crib	12	12	23	46012	52795	636	221B 2nd Cycle & 5-6	3/45-	5/54	H-2-579	H-2-579
216-B-9	241-B-361 Crib and Tile Field	14 180	14 85	17 17	43834 43834	52618 52618	682 682	221B 5-6 waste[d] 221B 5-6 waste	8/48- 8/48-	7/51 7/51	H-2-1123 H-2-1123	H-2-1031 H-2-10[illegible]
216-B-10	222B-1 & 2 Cribs (2 Bax)	12	12	20	42195	53907	704	222B & 292B Sinks	12/49-	6/52	HW-73578	H-2-16[illegible]
216-B-11	242-B # 1 & 2 Cribs (2 Vert. Culv.)	4 diam		40	45704	52619	638	242B Evap. cond. (Future 2nd Cy.-112B Tk)	12/51-	11/54	H-2-2021Sh1	H-2-[illegible]
216-B-12	216-ER #1,2,3, Cribs[e]	161	50	30	43060	55000	697	221-224-U proc. cond.	11/52-	pres.	H-2-43046	H-2-4[illegible]
216-B-13	291-B Crib	4 diam		18	42250	53750	704	291B Stack drainage	8/55-	pres.	H-2-2926	

a - Approximately 2500 overflow ditch (W43000) to B Swamp 1/56-present; 284B Pwrhs water till F/55
b - start
c - end
d - Discontinued 7/51. Used one day 12/53, pipe ruptured
e - 16' square x 9' boxes (3) in gravel bed

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200 EAST AREA (B-PLANT) (Continued)

Bldg.No.	Name	Bot.Dimens-Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
216-BC-1/6	216-BC-1 thru 6 Cribs	40	40	13	35756	53458	740	TBP & Farm scav.supn.	1/56-pres.		H-2-2900	
216-BY-1/7	216-BY-1 thru 7 Cribs	30	30	14	46502	53359	623	TBP scavenged supernate	11/54-12/55		H-2-2603	H-2-3605
216-BY-8	216-BY-8 Crib	30	30	14	46502	53359	623	TBP scavenged supernate	Not used		H-2-2603	H-2-3605
216-BY-9	216-BY-9 French Drain	5 diam		14	46012	52795	636	Scav.waste pipeline drn.	1/56-pres.		H-2-2900	H-2-2908
216-BX-1/7	241-BX-1 thru 7 Graves*	10	250	10	45523	53920	650	1st Cycle supernate	12/53-11/54		H-2-2431	SK-2-240[illegible]
216-BX-3	241-BX-3 Grave	10	250	10	45323	53930	650	1st Cycle evap.bottoms	8/54-8/54		H-2-2431	SK-2-240[illegible]
216-BX-8	241-BX-8 Grave	10	400	10	45273	54402	650	TBP scavenged supernate	1/55-2/55		H-2-2431	

* Except 241-BX-3 Grave

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200 EAST AREA (C-PLANT)

Bldg.No.	Name	Bot.Dimens.ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
216-C-1	216-C-1 Crib	23	8	13	42069	50235	683	201-C HSW waste	1/53-	pres.	H-2-4033	H-2-4037
216-C-2	216-C-2 Reverse Well	12"diam		40	42300	50000	682	291-C Stack & fltr.drn.	1/53-	pres.	H-2-4033	
216-C-3	216-C-3 Crib (Leaching Pit)	10	50	10	42055	50390	683	201,215,271-C Acids	1/53-	3/54	H-2-4033	H-2-4034
216-C-4	216-C-4 Crib	20	10	16	42060	50430	683	Contam.orgnc. waste from 276-C	7/55-	pres.	H-2-4034	
216-C-5	216-C-5 Crib	10	20	16	42030	50360	683	Waste from cold runs (hi salt)	3-55-	pres.	H-2-4034	
216-C-6	216-C-6 Crib	10	20	16	42015	50066	683	Condens.& Flr. Drns.	9/55-	pres.	H-2-4420	H-2-4425
216-C-7	C-Canyon Excavation	100	800	60	42575	50200	678	201-C HSW cool. water	6/53-	pres.	2890-Sh27	

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200 NORTH AREAS

Bldg. No.	Name	Bot. Dimens.-Ft. N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
216-N-1	212-N Swamp	500	100	Surf.	53600	65000	567	Basin overflow	8/45	6/52	2890 Sh53	*
216-N-2	212-P Swamp	500	200	Surf.	53900	62600	558	Basin overflow	8/45	6/52	2890 Sh52	*
216-N-3	212-R Swamp	500	150	Surf.	53600	59800	557	Basin overflow	8/45	6/52	2890 Sh52	*
216-N-4	212-N #1 Grave	50NW	10	6	55500	65760	578	Basin cleanout	1947		2890 Sh53	*
216-N-5	212-N #2 Grave	50NW	20	6	55460	65850	578	Basin cleanout	6/52		2890 Sh53	*
216-N-6	212-P Grave	80NW	15	6	55470	63150	575	Basin cleanout	6/52		2890 Sh52	*
216-N-7	212-R Grave	80NW	15	6	55470	60530	571	Basin cleanout	6/52		2890 Sh52	*

* Document HW-28471

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200-WEST AREA (S-PLANT)

Bldg.No.	Name	Bot.Dimens.Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
216-S-1	202-S Redox Swamp	2000	1000	Surf	32000	78000	648	202-S Proc.cool wtr.& steam condens.	11/51-	4/54	H-2-2594	
216-S-2	241-S-110 Pond	35	5	Surf	36066	75450	671	110-S Clng.wtr.rflx.conden	W/51-	F/52		
216-S-3	Cold Aqueous Grave	100	60	25	35300	75400	663	202-S Startup waste	12/51-	1/52	M2 600W Sh22	
216-S-4	Cold Organic Grave	100	8	6	33100	73700	670	202-S Startup waste	1/52		M2 600W Sh27	
216-S-5	216-S 1 & 2*Cribs[a]	90	40	34	35431	75192	667	202-S Condens. & Cell drn.	1/52-	1/56	H-2-1774	H-2-1813
216-S-6	276-S Crib	40	40	33	34610	74626	669	202-S Organic wash soltn.	1/52-	pres.	H-2-5140	H-2-5385
216-S-7	216-S-4 Sumps (2)	30	diam	20	36070	76615	659	241-S Tk.condens.(to 9/53) & cool water	8/53-	pres.	SK-2-1726	None
216-S-8	216-S-3*Crib	10	10	6	35907	75500	671	241-S-101&104 Tk.condens.	9/53-	pres.	2892 Sh19	None
216-S-9	216-S-5*Crib	210	210	15	32740	77000	651	202-S Proc.clng.wtr.& steam condens.	3/54-	pres.	H-2-2594	H-2-5963
216-S-10	202-S Chemical Sump #1 & Ditch	500 2250	200 6	25 6	31860 33800[d] 32300[e]	77250 75475 77100	648	202-S Chemical waste[b]	SP/54-	5/54	H-2-5962	
216-S-11	202-S Chemical Sump #2	500	200	25	31860	76900	652	202-S Chemical waste	SP/54			
216-S-12	291-S Stack Wash Grave	20	90	10	34965	73384	685	Stack wash water	7/54-	7/54	H-2-2430	
216-S-13	216-S-6*Crib	210	210	15	33200	77500	652	202-S Proc. cooling wtr. & steam condens.	10/54-	pres.	H-2-2594	H-2-25[illegible]

a - 12' sq. x 9' boxes in gravel bed
b - Ditch contaminated [illegible]-54; one acre overflow backfilled
c - New Swamp planned southeast of 202-S Redox Swamp. As yet this swamp [illegible] not been completed and all dimensions, coordinates and surface elevations are estimates
d - start
e - stop
* Number originally suggested in HW-33305

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200-WEST AREA (S-PLANT) (Continued)

Bldg.No.	Name	Bot.Dimens.Ft N-W	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
216-S-14	241-SX Stm. Clng.Pit	15	100	8	36200	74800	670	Vehicle Decontam. Pit	F/54	-pres.	H-2-2430	Doc.HW-41535
216-S-15	216-S-* Crib	50	100NE	24	35152	74574	674	202-S Proc. condensate & Cell drain	1/56	-pres.	H-2-30134	H-2-30135
216-S-16	202-S Swamp (New)[c] & Ditch	2000[b]	1000[b]	Surf	32000[b]	82000[b]	630	202 S Process Cool water	F/56	--	H-2-30264	None
		1700	4	6	33270[d]	79239	647					
				0	32220[e]	80680	635					
216-SL-1	222-S Lab Swamp	700	700	Surf.	31800	72750	660	222-S Vac.pump & air cooler water	SP/52	-pres.	H-2-5101	2982 Sh27
216-SL-2	216-SL-1 & 2 Cribs[a]	40	90	29	34296	73312	679	222-S & 300 Lab wastes	1/52	-pres.	H-2-5140	H-2-5229
216-SX-1	216-SX-1 Crib	50	50	22	35920	76400	661	241-SX Tk. condensate	11/54	-pres.	H-2-39579	H-2-39549

* Number originally suggested in HW-33305

216-S-17? 293-S [illegible]

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200 WEST AREA (T-PLANT)

Bldg.No.	Name	Bot.Dimens.Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
216-T-1	221-T Ditch	1800NW	25	10	WNW From 221-T		716	Cold U; air cond.wtr.	12/44		2892 Shll	H-2-5101
216-T-2	222-T-110 Rev. Well	6"diam		75	43682	73173	775	222-T Sinks	SP/45-5/50		2924 Shll	HW-69870 Shl
216-T-3	241-T-361-A Rev.Well	8" diam		206	43335	74250	707	221-T 5-6, & 224-T wastes	6/45-8/46		H-2-1124	
216-T-4	T-Swamp[a]	600	1800	Surf.	45000	76700	670	T Proc. cooling water	S/45-Pres.		2892 Shl0	
216-T-5	241-T-361 #1&2 Cribs	12	12	25	43315	74487	705	221-T 5-6, & 224-T wastes	8/46-6/51		2924 Shll	H-2-353
216-T-6	241-T #1 & 2 Cribs	12	12	26	43474	76026	670	201-4-T Overflow, 224-T	11/46-6/52		H-2-578	H-2-558
216-T-7	241-T-3 Crib & Tile Field	12 84	12 305	26 26	43285	76000	670	221-T 2nd Cycle, 5-6, 224-T	4/48-11/55		H-2-578	H-2-578
216-T-8	222-T-1 & 2 Cribs	12	12	25	43510	72970	719	222-T Sinks	SP/50		2924 Shll	H-2-353
216-T-9/11	Decontam. Trenches(3)[b]	50	10	6	43850[c]	73800[c]	712	Equip.&Veh.decontam	51-pres.		2892 Shll	
216-T-~~11~~12	207-T Sludge Grave	15	10	8	43560	75140	692	Retention Bsn. sludge	12/54		H-2-2430	
216-T-~~12~~13	216-T-5 Grave	50	10	12	43550	76200	672	2nd Cycle supernate from 112-T Tank	5/55			
216-T-~~12~~14	269-W Decontam.Trn.	25	10	8	42970	75720	669	Vehicle decontamination	54-pres.		2892 Shl0	None
216-T-~~13~~/16 15/17	216-T-1,2,3,4 Graves	275	10	10	43880	75170	692	1st Cycle supernate	1/54-6/54		2892 Shll	SK-2-24[illegible]

a - Also approximately 500' of ditch
b - Two trenches have been backfilled
c - Approximate location
d - 242-T Evaporator condensate 7/51-9/55; Supn. from 112-T Tk 12/55 - present (H-2-3019)
e - Cribs #1-2-3 are built, #1 is being used for 1st cycle scavanged supernate, Cribs #4,5, 6 are not built yet

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200 WEST AREA (T-PLANT) (Continued)

Bldg.No.	Name	Bot.Dimens.Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
216-TX-1/6	216-TY-1 thru 6 Caverns	30	30	15	42400	75285	672	221-T 1st Cycle, & Farm TBP Scavanged supn.[e]	8/55	-pres.	SK-2-1773	(H-2-2605)
216-TX-1	241-TX-153 Crib & Tile Field	12 390	12 85	12 12	41270	75608	642	242-T condens.[d] T-plant 2C,5-6, 224	7/51	-pres.	H-2-806	H-2-821
216-TX-2	155-TX Contam.Acid Grave	10	10	4	41380[c]	74720[c]	689	155-TX Division Bx.catch Tk.	11/52		2892 Sh14	
216-TX-3/6	216-TX-1,2,3,4 Graves	10	275	10	41550	76570	672	1st Cycle supernate	6/54	-8/54	2892 Sh15	SK-2-2409
216-TX-7	216-TX-5 Grave	180	10	10	41350	76570	672	1st Cycle Evap.Bottoms	9/54		2892 Sh15	

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200 WEST AREA (U-PLANT)

Bldg.No.	Name	Bot.Dimens.Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
216-U-1	U-Swamp	1000	1000	6	36500	77500	662	Pwh.,Ldy.Z,U,SX Clng.	11/44-pres.		2892 Sh23	
216-U-2	222-U-110 Rev. Well & Fr. Dr. (4'd x 6')	6"diam		75	38209	73218	704	222-U Lab wastes	SP/47-pres.		H-2-43081 HW69870 Sh2	
216-U-3	216-U 1&2 Cribs (361-WR)	12	12	24	37860	74285	691	224-U Waste & TBP solvent	11/51-pres.		H-2-2430 H-2-50061	
216-U-4	221-U Cold U Grave #2	40NW	35	10	39018	72940	706	U-Startup	SP/52		M2600W Sh19	
216-U-5	221-U Cold U Grave #1	75NW	65	10	39042	73038	706	U-Startup	SP/52		M2600W Sh19	
216-U-6	U Swamp - S Swamp Ditch	3500	6	6	35810[c] 32590[d]	78010 78066	662 648	U-Swamp overflow	5/52-4/54		H-2-2430	
216-U-7	221-U Vessel Vent Blower Pit French Drain				44085	73035	705	221-U Vessel Vent blower pit	8/52-pres.			Doc.HW-41535
216-U-8	241-U-361 Reverse Well	6"diam		300	37895	74225	694	Never used, plugged 52-never used			2927 Sh19	
216-U-9	216-WR-1,2,3, Cribs[a]	160	50	31	36860	73100	692	221-U Proc.condens.	6/52-pres.		H-2-43028 H-2-43027	
216-U-10	TBP Test Crib	10	10	10	42647	75274	672	TBP scavngd.supernt.	12/53		2892 Sh11	None
216-U-11	216-U -3 Crib	6'diam		12	37620	75630	668	110-U Tk.condens.(Redx)	5/54-pres		H-2-44084	
216-U-12	U-Swamp Extn. Ditch	2900	4	7	37000[b]	79000[b]	656	Pwh,Ldy.Z,U,SX clng.	7/55-pres.		SK-2-1888	Doc.HW-365[illegible]

a - 3 16' sq. x 9' boxes in gravel bed

b - Approximate center of 640,000 ft.^{2} area surrounded by ditch.

c - start

d - end

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 200 WEST AREA (Z-PLANT)

Bldg.No.	Name	Bot.Dimens-Ft N-S	E-W	Dp	Coordinates N	W	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
216-Z-1	Drn.Ditch to U Swamp	1400'	surface		40830[c] 39330[d]	76505 76020	664	Z-Plant cooling water	12/44-pres.		2924 Sh15 & 18	
216-Z-2	231-W-150 Reverse Well	6"	diam	151	40804	76535	670	231-Pu	2/45-6/45		H-2-1697	HW-76419
216-Z-3	231-W-3 Sump	10	10	15	40875	76475	669	231-Pu	6/45		2892 Sh15	
216-Z-4	231-W-4 Crib	50	7	2	40732	76495	664	231-Pu	6/45		2924 Sh15	H-2-508
216-Z-5	231-W-1 & 2 Cribs	12	12	24	40953	76600	671	231-Pu	6/45-2/47		2924 Sh15	H-2-346
216-Z-6	231-W "Trench" Crib[a]	8	150	36	40900	76100	664	231-Pu	2/47-pres.		2924 Sh15	H-2-511
216-Z-7	234-5 #1 & 2 Cribs	12	12	17	39395	76601	676	241-Z Tanks waste	6/49-pres.		H-2-2430	H-2-16459
	& Tile Field	300	100	12	39395	76601	676	" " "	"	"		
216-Z-8	234-5 #3(&4) Crib(s)[b]	5	70	25	39385	76521	676	241-Z Tanks waste	6/49-pres.		H-2-12292	H-2-12292
216-Z-9	234-5 Rcplx.Fr. Drn.	5	5	17	40000	76250	667	234-5 Rcplx.Silica Ovflw	7/55-pres.		H-2-16653	H-2-16653
216-Z-10	234-5 Rcplx. Cavern	120	90	20	39860	75910	660	234-5 Recuplex Pu	7/55-pres.		H-2-15492	H-2-15491

a - 2 - 8'x 150' boxes in 36' trench
b - 4' diam x 66' culvert on gravel bed
c - start
d - end

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RADIOACTIVE LIQUID WASTE DISPOSAL FACILITIES - 300 AREA

Bldg.NO.	Name	Bot. Dimens.Ft. N-S	E-W	Dp	Coordinates(Richland) N	E	Surf. Elev.	Waste Source	Dates Used Start	Stop	Drawing Numbers Map	Details
316-1	South (old) Pond	354,000 ft.^{2}		diked	55000	15900	376	303 Area, 300 Gen.	43-	pres.	H-3-4998	H-3-411
316-2	North (new) Pond	434,000 ft.^{2}		diked	56500	15700	376	303 Area, 300 Gen.	49-	pres.	H-3-4998	H-3-980
316-3/4	316 #1 & 2 Trenches	10	450	20	54250	15800	393	Works Lab sinks & drains	53-	pres.	H-4-50310	H-4-50310
316-N-1	300 North Crib	(2)7'D inv.tanks			86300[a]	3750[a]	438	321 Bldg.U & solv.	48-	7/55	H-3-5305	H-3-5288
316-W-1	300 West Uran. Grave	140	20	8	56000	11000	388	5000 gal. UNH solvent waste from 321 Bldg.		6/54	Doc.HW-39076	

a - Plant coordinates approximate, ± 50'

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