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**Idaho National Engineering Laboratory
Nonradiological Waste Management Information
For 1992 And Record To Date**

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ABSTRACT

This document provides detailed data and graphics on airborne and liquid effluent releases, fuel oil and coal consumption, water usage, and hazardous and mixed waste generated for calendar year 1992. This report summarizes industrial waste data records compiled since 1971 for the Idaho National Engineering Laboratory (INEL). The data presented are from the INEL Nonradiological Waste Management Information System.

EXECUTIVE SUMMARY

The INEL Nonradiological Waste Management Information System (INWMIS) is a computerized database that replaced the Industrial Waste Management Information System (IWMIS). The INWMIS has been in place since October 1, 1991 and serves as the official record for all types of industrial (nonradiological) and mixed waste stored, disposed, or shipped from the INEL.

U.S. Department of Energy contractors routinely report data to the INWMIS. The system provides routine and special reports for nonradiological airborne and liquid effluents, fuel oil consumption, water usage, storage/disposal of solid wastes, and hazardous wastes shipped off-Site. Additional reports are included in the INWMIS that are not included in previous reports. These additional reports are coal usage and generation of hazardous/mixed waste.

To more accurately report the landfill data, modifications have been made to all landfill reports to include final volumes and gross weight. Currently, the landfill data are reported by area instead of by program [i.e., Special Manufacturing Capability (SMC) and the Technical Support Facility (TSF) are reported under Test Area North (TAN)]. Future enhancements to the system will allow the landfill data to be reported by program to be consistent with all other reporting in the INWMIS.

Because of organizational changes within various groups, the reporting for the TAN area also has changed. TAN is broken into three separate sections: TSF, Containment Test Facility (CTF),

and SMC. TSF and portions of SMC are currently being reported into the INWMIS.

A total of 51,658 m³ of solid industrial waste was disposed of in sanitary landfills at the INEL during 1992. This represents a decrease of 30% from the 73,823 m³ discarded in 1991.

A total of 2,413,667 kg of liquid and airborne industrial waste was discharged in 1992. The industrial waste included 1,989,972 kg of chemicals, 267,095 kg of total dissolved solids, and 148,906 kg of total hardness discharged as liquid wastes to the lithosphere at the INEL. This waste represents a 37% decrease over the total quantity of 3,146,731 kg in 1990 and a decrease from the total quantity of 2,619,022 kg in 1990.

The INEL used a total of 9,586,173 liters of fuel oil during 1992, which produced 84,861 kg of sulfur dioxide (SO₂) and 2,481 kg of particulates. During 1991, 13,802,914 liters of fuel oil were used, producing 150,721 kg of SO₂ and 1,891 kg of particulates.

A total of 7,617,914,000 liters of water was pumped from the aquifer by the INEL during 1992, compared to 8,005,204,000 liters in 1991 and 8,120,061,000 liters in 1990. However, the majority of this water returned to the lithosphere through seepage ponds. Remaining water was lost to the atmosphere through cooling towers and other evaporatory processes.

Please note that Argonne National Laboratory-West did not operate its cooling towers in February, April, and May because of routine reactor maintenance.

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Waste Experimental Reduction Facility, 1992 Detail Data

Water Reactor Research Test Facility-TAN, 1992 Detail Data

ACRONYMS AND ABBREVIATIONS

ANL	Argonne National Laboratory-West	MWSF	Mixed Waste Storage Facility
ARA	Auxiliary Reactor Area	N/A	not available
CFA	Central Facilities Area	NO _x	nitric oxides
CFA 637	Hazardous Waste Storage Facility (same as HWSF)	NRF	Naval Reactors Facility
CPP	Idaho Chemical Processing Plant	PBF	Power Burst Facility
CTF	Containment Test Facility (formerly Loss-of-Fluid Test Facility)	PTI	Protection Technology Idaho
CY	Calendar Year	PWT	Potable Water Treatment Unit (same as PWTU)
EBR	Experimental Breeder Reactor-I	PWTU	Potable Water Treatment Unit (same as PWT)
HMDA	Hazardous Material Disposal Area	RWMC	Radioactive Waste Management Complex (same as WMC)
HWSF	Hazardous Waste Storage Facility (same as CFA 637)	SLR	SL1 Reactor
IET	INEL Electronic Technology Center (same as IETC)	SMC	Special Manufacturing Capability
IETC	INEL Electronic Technology Center (same as IET)	SO ₂	sulfur dioxide
INEL	Idaho National Engineering Laboratory	TAN	Test Area North
IRC	Idaho Research Center	TDS	total dissolved solids
INWMIS	INEL Nonradiological Waste Management Information System	TRA	Test Reactor Area
IWMIS	Industrial Waste Management Information System	TSB	Technical Support Building
kg	kilogram	TSF	Technical Support Facility
L	liter	WCB	Willow Creek Building
LOF	Loss-of-Fluid Test Facility (became CTF on October 6, 1986)	WDF	Waste Engineering Development Facility (same as WEDF)
LOFT	Loss-of-Fluid Test Facility (became CTF on October 6, 1986)	WEDF	Waste Engineering Development Facility (same as WDF)
m	meter	WER	Waste Experimental Reduction Facility (same as WERF)
MHD	Magnetohydrodynamics Component Development and Integration Facility (Butte, Montana)	WERF	Waste Experimental Reduction Facility (same as WER)
		WMC	Radioactive Waste Management Complex (same as RWMC)
		WRF	Water Reactor Research Test Facility (same as WRRTF)
		WRRTF	Water Reactor Research Test Facility (same as WRF)

CONVERSION FACTORS

<u>To Convert</u>	<u>Into</u>	<u>Multiply by</u>
Cubic yards	Cubic meters	0.7646
Cubic meters	Cubic feet	35.3140
Liters	Gallons (U.S. liquid)	0.2642
Kilograms	Pounds	2.2046

DEFINITIONS

Exponential Notation—Numbers in this document are expressed as either whole numbers or in exponential notation form. For example: $1,000,000 = 1 \times 10^6 = 1\text{E}+06$.

INEL Nonradiological Waste Management Information For 1992 And Record To Date

INTRODUCTION

This report summarizes nonradiological data for the Idaho National Engineering Laboratory (INEL) for 1992 and record to date. It includes summaries of the quantities of airborne and liquid effluents, the volumes of solid waste, the coal, fuel oil and water used; and the quantities of SO₂ and particulates released.

These data were taken from the INEL Nonradiological Waste Management Information System (INWMIS). The INWMIS is a computerized database that replaced the Industrial Waste Management Information System (IWMIS). The INWMIS has been in place since October 1, 1991, and serves as the official record for all types of nonradiological waste stored, disposed, or shipped from the INEL.

This report provides graphics to aid in the presentation of the INEL summary data. The graphics display water, coal, chemical, fuel oil and diesel usage, volumes of solid waste discarded at the landfill, and volumes and weight of hazardous waste.

The INEL Industrial Waste Summary, a table that lists the waste data available for 1971 through 1992, is located within the tab section *INEL Record To Date Detail Summaries*. Also found in this section are tables that summarize INEL record to date information, and bar graphs and pie charts that provide 1992 summaries and detailed data for solid and liquid industrial waste, sanitary landfill waste, airborne and liquid industrial waste, chemical usage, fuel oil usage, water usage, coal usage, and waste oil. The graphs only show data for 1983 through 1992.

Tables that summarize INEL nonradiological waste information for the period January through

December 1992 are located in the tab section *INEL 1992 Year-To-Date Summaries*. This section begins with tables that summarize both the solid waste and the airborne and liquid waste generated at each INEL facility.

Reports Included in Document

INEL Record To Date Summaries—These reports summarize all industrial waste by waste type located and used on the INEL for the period 1990 to 1992 and a cumulative total for 1971 to 1989.

INEL Record To Date Detail Summaries—These reports and graphs detail the record to date quantity and type of industrial waste for each INEL facility. This section also includes a record to date report (page INEL-10) of all airborne and liquid industrial waste substances for the period 1990 to 1992 and a cumulative total for 1971 to 1989.

INEL 1992 Year-To-Date Summaries—These reports summarize the year-to-date quantity of water pumped from the aquifer and discharged and the percent of waste accounted for at each facility; the quantity and type of industrial waste for each INEL facility; the types and quantities of fuel oil used at each INEL facility; and the gross volumes and weights of hazardous waste generated by facilities associated with the INEL.

Area 1992 Detail Data—These reports summarize data on both airborne and liquid disposed substances, industrial waste, water usage and disposal, fuel oil and diesel usage, coal usage, mixed waste, and hazardous waste generated at each facility.

INEL RECORD TO DATE SUMMARIES

INEL Industrial Waste Summary, Record To Date INEL-3

INEL Industrial Usage Summary, Record To Date INEL-4

INEL INDUSTRIAL WASTE SUMMARY
RECORD TO DATE

WASTE TYPE		1971 - 1989	1990	1991	1992	TOTAL
LANDFILL WASTE*						
SOLID	(CUBIC METERS)	519,877	80,302	73,823	51,658	725,661
OIL	(LITERS)	133,912				133,912
SOLVENTS	(LITERS)	1,755				1,755
CHEMICALS						
LIQUIDS	(LITERS)	132,247				132,247
SOLIDS	(KILOGRAMS)	31,136				31,136
	(CUBIC METERS)	689				689
OTHERS						
LIQUIDS	(LITERS)	157,464				157,464
SOLIDS	(CUBIC METERS)	223				223
LIQUID EFFLUENT	(KILOGRAMS)	67,466,944	2,619,022	3,370,127	2,405,973	75,862,066
AIRBORNE EFFLUENT						
CHEMICALS	(KILOGRAMS)	4,696,021	67,783	472,840	7,694	5,244,338
FUEL OIL AND DIESEL						
SO2	(KILOGRAMS)	6,640,439	105,309	150,721	84,861	6,981,329
PARTICULATE	(KILOGRAMS)	434,744	4,754	1,891	2,481	443,870
COAL						
SO2	(KILOGRAMS)	396	123	37	17	573
NO2	(KILOGRAMS)	215	43	143	64	465
HAZARDOUS WASTE	(CUBIC METERS)	14	1	11	846	873
MIXED WASTE	(CUBIC METERS)	50	61	61	48	220
WASTE OIL	(LITERS)	1,050,434	111,423	121,504	53,367	1,336,728

* NOTE: DOES INCLUDE LANDFILL WASTE FOR WHICH ONLY A WEIGHT IS AVAILABLE

NOTE: SINCE APRIL 1984, THE DEPARTMENT OF ENERGY'S POSITION HAS BEEN TO ENSURE THAT ALL HAZARDOUS WASTE IS PROPERLY MANAGED UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA). AVAILABLE INFORMATION ASSOCIATED WITH THE CHEMICALS DISPOSED OF IN THE LANDFILL SINCE 1984 DOES NOT INDICATE THAT THEY WERE HAZARDOUS AS DEFINED UNDER RCRA.

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

SCHED. NO INRPT030A

INEL INDUSTRIAL USAGE SUMMARY
RECORD TO DATE

WASTE TYPE	1971 - 1989	1990	1991	1992	TOTAL
FUEL OIL & DIESEL (LITERS)	380,263,708	8,466,176	13,802,914	9,586,173	412,118,972
COAL (TONS)	39,960	12,091	3,291	12,464	67,806
WATER PUMPED (1000 LITERS)	161,125,468	8,120,061	8,005,204	7,617,914	184,868,647

INEL-4

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

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INEL SOLID LANDFILL WASTE IN CUBIC METERS
RECORD TO DATE

AREA	1971 - 1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	TOTAL
ANL	36,237	3,255	4,173	1,922	2,040	1,986	1,609	1,920	8,261	9,675	7,756	78,835
ARA	2,039	202	177	20	1	438	5					2,882
CFA	56,083	5,179	4,001	3,842	4,508	9,715	5,049	6,131	22,123	11,549	9,643	137,824
CPP	52,651	8,058	6,260	4,490	7,423	5,994	4,243	5,947	14,712	23,476	12,663	145,917
CTF						89						89
LOF	635		6	221	193							1,055
MHD	1,823	881	881	807	881	881	881	815	881	881	147	9,757
NRF	80,656	7,738	7,188	12,979	9,712	9,954	7,792	7,268	23,927	17,067	13,142	197,424
PBF	6,680	402	604	327	180	455	262	294	580	581	734	11,100
SMC										1,782		1,782
TAN	32,133	2,678	2,191	3,262	4,674					1,433	3,611	49,982
TRA	35,386	4,355	1,864	1,726	3,292	2,274	1,949	4,151	3,604	3,715	3,199	65,513
TSF						4,331	3,191	2,101	5,214	2,682		17,519
WER	48	45	11	76	15							196
WMC	1,136	119	142	885	525	378	410	328	1,001	982	754	6,660
WRF	8		12		3		5					28
	305,515	32,914	27,511	30,558	33,446	36,495	25,396	28,955	80,302	73,823	51,648	726,564

NOTE: DOES NOT INCLUDE LANDFILL WASTE FOR WHICH ONLY A WEIGHT IS AVAILABLE.
THIS COMPRISES 31,136 KILOGRAMS FOR THE YEARS 1971 - 1988.

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

SCHED. NO. INRPT035A

INEL LIQUID LANDFILL WASTE IN LITERS
RECORD TO DATE

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AREA	1971 - 1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	TOTAL
ANL	2,855											2,855
ARA	502											502
CFA	109,721		129									109,849
CPP	1,145											1,145
NRF	112,661	19,340		28,250	29,643	26,441	63,564					279,900
PBF	416											416
TAN	17,620				8							17,628
TRA	11,302				625	633						12,559
WMC	145		379									524
	256,368	19,340	507	28,250	30,276	27,074	63,564					425,379

NOTE: INCLUDES ALL LANDFILL WASTE DENOTED BY LITERS ON THE INEL INDUSTRIAL WASTE SUMMARY REPORT

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

CY 1983 – 1992 INEL SANITARY LANDFILL WASTE

CY 1992 INEL WASTE BY TYPE

CY 1992 INEL WASTE BY AREA

SCHED. NO. INRPT036

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
RECORD TO DATE

SUBSTANCE IDENTIFICATION	1971 - 1989	1990	1991	1992	TOTAL
(1-HYDROXYETHYLIDENE)BISPHOSPHONIC			4,183	1,479	5,661
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT	44	472	686	953	2,156
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN			427	362	789
2-(2-BUTOXYETHOXY)-ETHANOL		2			2
ACETIC ACID	12				12
ACRYLIC POLYMER			1,991	1,434	3,425
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE			825	785	1,610
ALUMINUM NITRATE		40	60	60	160
AMERPLEX 6255	182				182
AMIDES	1,547	49	13		1,609
AMINEMETHYLPROPANOL	36		20	15	71
AMMONIA	36				36
AROMATIC SOLVENTS		135	260	168	563
ARSENIC	1			1	2
AUTO CLEANERS	27,038	18			27,057
B-BROMO-B-NITROSTYRENE		17	38	30	85
BARIUM	775	0	0	175	951
BARIUM SULFATE		0	0	0	0
BENZOTRIAZOLE	581	157	157	224	1,118
BERYLLIUM	0				0
BETZ 109	35				35
BETZ 194	301				301
BETZ 20K	18,953	9,015	5,809	4,936	38,713
BETZ 406	130				130
BETZ 429	5,172				5,172
BETZ 45	149				149
BETZ 65	544				544
BETZ 736	9				9
BETZ A-9	68				68
BETZ DE 419	2,675				2,675
BETZ DE 453	113				113
BETZ DE 481	7,879				7,879
BETZ DIANODIC 194	828				828
BETZ FERROSPERSEHP	425				425
BETZ J-12	18				18
BETZ NEUTRMEEN	1,669				1,669
BIOCIDE D-2	9,641				9,641
BIS(TRICHLOROMETHYL)SULFONE		18	40	28	86
BLEACH	898				898
BORON	11,986				11,986
BROMINE	167	333			500
CADMIUM	2			1	3
CALCIUM CHLORIDE		87	131	131	348
CALCIUM FLUORIDE		25	87	50	161
CALCIUM ION	24,274	799	955	691	26,719

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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INEL-10

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
RECORD TO DATE

SUBSTANCE IDENTIFICATION	1971 - 1989	1990	1991	1992	TOTAL
CALCIUM NITRATE		132	34	26	192
CALCIUM PERCHLORATE		3	4	4	12
CALCIUM PHOSPHATE, TRIBASIC		19	28	28	75
CALCIUM SULFATE, ANHYDROUS		1	1	1	3
CARBOHYDRAZIDE					
CARBONTHIOCYANATES	271	10	3		283
CARBOXYALKYLATED POLYSACCHARIDE				1	1
CARBOXYLATED LIGNIN				0	0
CHLORIDE ION	8,501,098	712,280	1,112,969	722,131	11,048,479
CHLORINE	21				21
CHLOROCARBONS	2				2
CHLOROHYDROCARBONS	472				472
CHLOROSULFONES	1,212	39	11		1,263
CHROMATE ION	327				327
CHROMIUM	120			9	128
CITRIC ACID	91				91
CLOROHYDROCARBONS	0				0
CR+6	1,815				1,815
CYCLOHEXYLAMINE	243	265	963	10	1,481
DIANODIC 194	15,531				15,531
DIETHYLAMINOETHANOL	24	27	96		147
DIMETHYLAMINE	2,131				2,131
DIMETHYLFORMAMIDE(DMF)		17	4		21
DIMETHYLISOPROPANOLAMINE	36		20	16	72
DIPHOSPHONATE	13,249				13,249
DISPERSANT 403	13,026				13,026
DODECYLGUANIDINE HYDROCHLORIDE			510	471	981
DREMGARD	116			47	163
ETHYL ALCOHOL		19	193	203	415
ETHYLAMINE	15	3	2	2	23
ETHYLENEDIAMINE TETRAACETIC ACID	323	125	132	104	684
FLUORIDE ION	14,204	473	330	482	15,489
FORMIC ACID	5				5
HEAVY AROMATIC NAPHTHA		13	29	21	62
HEDP	9,819	1,371	4		11,193
HEXAVALENT CR	2,631				2,631
HPA	4,415				4,415
HYDRAZINE	24				24
HYDROCARBON-AMINES	759	9			768
HYDROCARBONS	2,705	99	26		2,830
HYDROGEN CHLORIDE	10	48	57	52	167
HYDROXYCARBONS	18,659	243	8		18,910
HYPOCHLORITE	16,053				16,053
HYPOCHLORITE ION	144,780	1,397	2,452	1,776	150,404
IMPURITY			22	19	42

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

SCHED. NO. INRPT036

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
RECORD TO DATE

SUBSTANCE IDENTIFICATION	1971 - 1989	1990	1991	1992	TOTAL
ISOPROPANOL	5	24	29	26	83
ISOPROPYL ALCOHOL			170	157	327
JANITORIAL SUPPLIES		938			938
JANITORIAL SUPPLIES			7,446	8,762	16,208
KP40 COOLANT CNTRL	73				73
KWIK KLEEN	2,098				2,098
LAUNDRY PRODUCTS	70,154	20,627	5,701	3,516	99,999
LEAD	243				243
M-60 ALGAECIDE	4				4
M-80T ALGAECIDE	4				4
MERCURY	64				64
METHBISTHIOCYANATE	68				68
METHYLENE BIS(THIOCYANATE)		12	196	176	384
MOGUL PC 1222	8,612				8,612
MOLYBDATE SALT	0		0		1
MORPHOLINE	1,814	17	4	8	1,843
N-HYDROCARBON	8,857	1,132	35		10,024
N-METHYLPYRROLIDONE		18	91	75	184
NALCO 7312	178				178
NALCO 7323	185				185
NALCOOL 7351	840				840
NAPTHA	39				39
NITRATE ION	1,521,918	19,265	21,523	39,847	1,602,553
NITRIC OXIDE	429,198	6,768	110,358	765	547,090
NITRILOTRIACETIC ACID	119				119
NITRITE ION	3				3
NITRITE SALT	0		1		1
NITROGEN DIOXIDE	4,261,683	60,920	362,418	6,881	4,691,902
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANO		14	13		27
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL			16	21	38
OROCOL 194	68				68
OROCOL 734	70,312				70,312
OXYCARBONS	0				0
PHOSPHATE	26,518	3,127	9		29,654
PHOSPHATE ION	193,072	9,778	4,383	1,953	209,187
PHOSPHONATE	15,131	113	30		15,275
PHOTO LAB CHEMICAL	36,595	1,633		792	39,020
POLYACRYLATE	56,368	4,957	291	282	61,898
POLYACRYLATE ACID	0		0		0
POLYALKYLENE GLYCOL			2,211	2,042	4,253
POLYHYDROXYCARBON	48				48
POLYMETHACRYLATE	9,983	75	20		10,078
POLYNODIC 606	62,209				62,209
POLYNODIC 633	2,268				2,268
POLYPHOSPHATE	35,209	263	70		35,542

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

INEL-12

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
RECORD TO DATE

SUBSTANCE IDENTIFICATION	1971 - 1989	1990	1991	1992	TOTAL
POTASSIUM HYDROXIDE	206	52	4,274	1,582	6,114
POTASSIUM ION	29,274	493	1		29,769
PYRIDINE	3				3
SALT OF EDTA	0		0	0	0
SELENIUM	0			2	2
SILICACARBONS	20				20
SILICATE ION	59				59
SILICONE EMULSION			33	31	64
SILVER	72				72
SKASOL	617				617
SKAZOL	3,164				3,164
SLIMICIDE 403	2,254				2,254
SLIMICIDE A-9	9,936				9,936
SLIMICIDE C-35	3,434				3,434
SLIMICIDE D-2	2,034				2,034
SLIMICIDE J-12	7,522				7,522
SLIMICIDE J-9	15,921				15,921
SOAP	53,298	874			54,172
SODIUM BISULFITE	286	259	90		635
SODIUM CARBONATE				8	8
SODIUM HYDRATE SOLUTION					
SODIUM HYDROXIDE	1,750	485	513	703	3,450
SODIUM ION	5,043,950	251,623	584,285	546,011	6,425,869
SODIUM LIGNOSULFONATE	206	52	92	104	453
SODIUM PHOSPHATE	84				84
SODIUM PHOSPHATE, TRIBASIC	111	486	207		803
SODIUM POLYACRYLATE	1	10	6		16
SODIUM SULFATE				1	1
SODIUM SULFITE				4	4
SODIUM TOLYTRIAZOLE			4,183	1,479	5,661
SODIUM TRIPOLYPHOSPHATE				1	1
SPRA-SAF	862				862
STODDARD SOLVENT			99	83	181
SULFATE ION	17,398,850	563,949	774,753	641,343	19,378,895
SULFITE ION	18,740	104,716	118,957	232	242,644
SULFONATE	11,472	75	20		11,567
SULFUR DIOXIDE	8,259				8,259
SULFURIC ACID	1				1
TDS	26,553,080	537,337	489,676	267,095	27,847,188
TETRAPOTASSIUM PYROPHOSPHATE			10,456	3,696	14,153
THIOCARBONS	17				17
THIOHYDROCARBONS	48				48
THIOUREA	1				1
TOLYTRIAZOLE	2,424	343	1		2,768
TOTAL HARDNESS	7,296,339	368,611	206,560	148,906	8,020,415

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

SCHED. NO. INRPT036

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
RECORD TO DATE

SUBSTANCE IDENTIFICATION	1971 - 1989	1990	1991	1992	TOTAL
TRIBUTYLTIN OXIDE			165	157	322
TRIVALENT CR	1,955				1,955
WATER					
ZINC ION	2,386				2,386
	72,162,947	2,686,805	3,842,967	2,413,668	81,106,386

INEL-14

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

CY 1983 – 1992 INEL CHEMICAL USAGE (RELEASED AS AIRBORNE EFFLUENTS)

CY 1992 INEL CHEMICAL USAGE BY AREA

CPP (100.0%)

Areas not appearing are less than 1% of the total

CY 1983 - 1992 INEL CHEMICAL USAGE (RELEASED AS LIQUID EFFLUENTS)

CY 1992 INEL CHEMICAL USAGE BY AREA

Areas not appearing are less than 1% of the total

INEL FUEL OIL & DIESEL SUMMARY

RECORD TO DATE

AREA	1971 - 1990				1991				1992			
	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)	DIESEL (LITERS)	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)	DIESEL (LITERS)	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)	DIESEL (LITERS)
ANL	34,711,724	263,766	37,352		1,434,803	7,618	1,891		1,882,426	9,995	2,481	
ARA	1,878,406	13,212	523	56,119								
CFA	26,570,510	259,908	22,262	1,731,934	357,679	3,050	0	150,458	402,229	3,221		137,084
CPP	93,183,420	1,263,627	5,504		5,575,326	92,754	0		713,476	11,871		
CTF	596,401	3,748	0	53,700	23,704	368	0	33,887				
LOF	1,508,115	10,490	3	270,690								
MHD	2,596,712	17,708	0		21,641	130	0		10,826	65		
NRF	89,973,904	2,411,501	155,127		2,617,271	24,152	0		2,360,965	35,275		
PBF	2,609,076	16,855	231	526,602	91,927	627	0	18,757	64,113	364		182
SMC									1,113,536	6,146		
TAN	39,629,913	861,640	36,306	155,709								
TRA	47,513,788	1,436,971	182,189	32,388,537*		9,817	0	1,422,239*		9,627		1,394,681*
TSF	7,505,074	159,653	0	599,305	1,387,803	10,989	0	453,336	1,372,438	7,773		
WMC	443,055	2,820	0	28,493								
WRF	4,143,223	23,848	0	55,475	214,083	1,216	0		134,215	525		
Total	352,863,321	6,745,747	439,498	35,866,563	11,724,238	150,721	1,891	2,078,677	8,054,226	84,861	2,481	1,531,948

* TRA EMERGENCY GENERATOR

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

SCHED. NO. INRPT031

INEL FUEL OIL & DIESEL SUMMARY

RECORD TO DATE (CONTINUED)

AREA	TOTALS			
	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)	DIESEL (LITERS)
ANL	38,028,954	281,378	41,725	
ARA	1,878,406	13,212	523	56,119
CFA	27,330,418	266,179	22,262	2,019,477
CPP	99,472,223	1,368,252	5,504	
CTF	620,105	4,116	0	87,587
LOF	1,508,115	10,490	3	270,690
MHD	2,629,180	17,903	0	
NRF	94,952,141	2,470,928	155,127	
PBF	2,765,116	17,846	231	545,540
SMC	1,113,536	6,146		
TAN	39,629,913	861,640	36,306	155,709
TRA	47,513,788	1,456,415	182,189	35,205,458
TSF	10,265,316	178,414	0	1,052,640
WMC	443,055	2,820	0	28,493
WRF	4,491,521	25,590	0	55,475
	372,641,785	6,981,329	443,870	39,477,187

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

CY 1983 – 1992 INEL FUEL OIL & DIESEL USAGE

CY 1992 INEL FUEL OIL & DIESEL USAGE BY AREA

CPP (7.5%)

CFA (5.7%)

NRF (24.8%)

ANL (19.8%)

WRF (1.4%)

TSF (14.4%)

SMC (11.7%)

TRA (14.7%)

Areas not appearing are less than 1% of the total

CY 1983 – 1992 SULFUR DIOXIDE EMITTED INEL FUEL OIL & DIESEL USAGE

CY 1992 SULFUR DIOXIDE EMITTED BY AREA
FROM INEL FUEL OIL & DIESEL USAGE

Areas not appearing are less than 1% of the total

CY 1983 – 1992 PARTICULATE EMITTED FROM INEL FUEL OIL & DIESEL USAGE

CY 1992 PARTICULATE EMITTED BY AREA
FROM INEL FUEL OIL & DIESEL USAGE

INEL WATER USAGE SUMMARY IN THOUSAND LITERS
RECORD TO DATE

AREA	1971 - 1989	1990	1991	1992	TOTAL
ANL	8,293,393	546,145	388,564	388,768	9,616,870
ARA	1,451,289				1,451,289
CFA	4,506,486	342,841	331,431	377,274	5,558,033
CPP	32,301,852	2,398,819	2,146,863	2,502,782	39,350,316
CTF	238,689	96,028	456,490	2,953	794,160
LOF	2,655,483				2,655,483
MHD	312,635	21,773	25,394	700	360,502
NRF	26,691,823	872,708	880,799	1,112,774	29,558,104
PBF	621,063	21,949	30,624	15,227	688,864
TAN	3,581,392				3,581,392
TRA	56,022,029	2,576,814	2,374,097	2,255,909	63,228,849
TSF	379,503	96,235	98,540	148,431	722,709
WMC	386,917	999	1,567	1,814	391,298
WRF	597,822	10,097	10,180	10,455	628,553
TOTAL	138,040,376	6,984,408	6,744,550	6,817,087	158,586,421

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL WATER PUMPED SUMMARY IN THOUSAND LITERS
RECORD TO DATE

AREA	1971 - 1989	1990	1991	1992	TOTAL
ANL	9,746,173	581,248	415,705	405,378	11,148,505
ARA	1,961,500				1,961,500
CFA	7,889,613	538,561	528,018	521,041	9,477,233
CPP	34,712,194	2,979,110	3,023,399	3,069,581	43,784,283
CTF	452,821	96,042	455,736	2,965	1,007,564
LOF	3,326,689				3,326,689
MND	322,657	21,777	25,395	700	370,530
NRF	32,292,036	1,048,406	1,008,714	1,110,924	35,460,081
PBF	943,549	30,553	39,194	18,129	1,031,425
TAN	4,434,485				4,434,485
TRA	63,602,934	2,705,304	2,379,449	2,224,786	70,912,474
TSF	390,635	96,231	108,634	94,453	689,953
WMC	445,127	10,428	11,001	157,161	623,717
WRF	605,054	12,401	9,958	12,795	640,209
TOTAL	161,125,468	8,120,061	8,005,204	7,617,914	184,868,647

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CY 1983 – 1992 INEL WATER USAGE

CY 1992 INEL WATER DISPOSED BY TYPE

CY 1992 INEL WATER USAGE

CY 1992 INEL WATER PUMPED BY AREA

Areas not appearing are less than 1% of the total

CY 1992 INEL WATER DISPOSED BY AREA

Areas not appearing are less than 1% of the total

INEL COAL SUMMARY

RECORD TO DATE

Area	1971 - 1989			1990			1991			1992		
	Tons Burned	SO2 (mg)	NOX (mg)	Tons Burned	SO2 (mg)	NOX (mg)	Tons Burned	SO2 (mg)	NOX (mg)	Tons Burned	SO2 (mg)	NOX (mg)
CPP	39,960	396	215	12,091	123	43	3,291	37	143	12,464	17	64
TOTAL	39,960	396	215	12,091	123	43	3,291	37	143	12,464	17	64

INEL-26

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5

SCHED. NO. INRPT033

INEL COAL SUMMARY
RECORD TO DATE (CONTINUED)

TOTALS			
Area	Tons Burned	SO2 (mg)	NOX (mg)
CPP	67,806	573	465
	67,806	573	465

INEL-27

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

CY 1987 – 1992 INEL COAL USAGE

CY 1987 – 1992 SULFUR DIOXIDE EMITTED FROM INEL COAL USAGE

CY 1987 – 1992 NITRIC OXIDE EMITTED FROM INEL COAL USAGE

INEL WASTE OIL SUMMARY IN LITERS
RECORD TO DATE

AREA	1971 - 1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	TOTAL
ANL	22,915	2,536	2,290	2,425	1,230	1,052	3,218	2,173			2,271	40,111
ARA						208	341			1,344		1,893
BRX										454		454
CFA					27,028	40,598	74,818	35,412	30,586	50,660	25,165	284,268
CPP					3,785	3,785			6,871		3,028	17,470
IRC						416				927	189	1,533
NRF	331,529	37,475	49,256	10,115	50,403	70,976	77,650	129,499	38,157	25,268	11,545	831,872
PBF	4,997					492	416	208		17,091	189	23,394
PTI								208		1,136		1,344
TAN					3,123	5,072	13,325	1,420	17,413	14,195	757	55,305
TRA	5,678				4,921	7,238	3,312	12,870	16,448	6,057	10,221	66,744
WMC					757	1,666	833	1,136	625	208		5,224
WRF						208	1,079	341	1,325	4,164		7,117
	365,119	40,012	51,546	12,540	91,247	131,713	174,991	183,266	111,423	121,504	53,367	1,336,728

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

INEL 1992 YEAR-TO-DATE SUMMARIES

INEL Landfill Disposed Solid Waste Summary In Cubic Meters For January Through December, 1992	INEL-35
INEL Landfill Disposed Solid Waste Summary, Fourth Quarter and Year-To-Date, 1992	INEL-36
Airborne And Liquid Industrial Waste Substances Summary In Kilograms For January Through December, 1992	INEL-37
INEL Year-To-Date Water Usage Summary For January Through December 1992	INEL-41
INEL Quarterly Fuel Oil and Diesel Summary For January Through December 1992	INEL-42
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Summary INEL Mixed Waste Generated For January–December 1992	INEL-47

INEL LANDFILL DISPOSED SOLID WASTE SUMMARY IN CUBIC METERS
FOR JANUARY THROUGH DECEMBER, 1992

Type of Waste	ANL	CFA	CPP	MHD	NRF	PBF	TAN	TRA	WMC	TOTALS
ASBESTOS	291	25	86		207	3	28	43	1	683
ASPHALT	67	83	1,295		95	2	47	8		1,597
CAFETERIA GARBAGE	560	1,819	26		1,344	12	12			3,773
DIRT AND GRAVEL	25	781	488		729	1	170	3		2,197
MASONRY AND CONCRETE	232	101	1,136		72	3	36	8	1	1,589
SCRAP METAL	206	263	370		257	25	221	66	27	1,434
TRASH, SWEEPINGS, ETC.	5,929	6,060	7,957	147	10,014	638	2,816	2,821	695	37,076
WEEDS, GRASS AND TREES		196	268		31	13	23	47		576
WOOD AND SCRAP LUMBER	437	286	987		365	36	247	197	28	2,582
OTHER	10	33	50		36	0	11	6	3	150
TOTALS	7,756	9,645	12,663	147	13,150	734	3,611	3,199	754	51,658

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

PAGE: 1
SCHED. NO. INRPT003

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

28-JUN-93

INEL LANDFILL DISPOSED SOLID WASTE SUMMARY
FOURTH QUARTER AND YEAR-TO-DATE 1992

PRT 3-1

AREA	WASTE VOLUME (CM)												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ANL	816.2	575.0	496.2	555.1	403.7	842.6	701.1	1,125.5	492.4	744.7	556.6	447.3	7,756.5
CFA	953.8	735.2	1,132.4	726.4	805.1	757.3	799.0	792.1	770.7	1,078.5	567.3	526.8	9,644.7
CPP	1,278.0	1,034.9	1,107.1	1,020.4	1,542.2	983.7	727.1	1,018.8	1,557.1	1,104.8	729.4	559.7	12,663.3
MHD	73.4	73.4											146.8
NRF	1,702.0	1,047.9	1,101.0	1,133.1	912.9	1,146.1	1,117.5	970.3	953.8	1,331.9	886.2	847.2	13,150.0
PBF	68.8	46.3	70.3	70.0	63.8	51.6	50.5	54.3	74.9	73.4	50.1	59.6	733.6
TAN	409.8	289.0	357.8	270.7	191.5	287.9	281.8	309.7	397.2	390.7	246.6	178.5	3,611.2
TRA	399.9	233.2	291.7	276.0	229.4	368.9	254.6	195.7	249.6	246.6	205.3	247.7	3,198.7
WMC	54.3	117.4	59.6	53.9	38.6	36.3	60.8	75.3	37.8	98.6	37.1	83.7	753.5
TOTAL	5,756.3	4,152.2	4,616.3	4,105.5	4,187.3	4,474.4	3,992.4	4,541.7	4,533.7	5,069.3	3,278.6	2,950.6	51,658.3

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

INEL-36

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
FOR JANUARY THROUGH DECEMBER, 1992

Substance	ANL	CFA	CPP	CTF	NRF	PBF	PWT	TRA	TSF	WRF
(1-HYDROXYETHYLIDENE)BISPHOSPHONIC								1,479		
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT	953									
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN								362		
ACRYLIC POLYMER								1,434		
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE								785		
ALUMINUM NITRATE		60								
AMINEMETHYLPROPANOL	15									
AROMATIC SOLVENTS	168									
ARSENIC			1							
B-BROMO-B-NITROSTYRENE	30									
BARIUM			175							
BARIUM SULFATE		0								
BENZOTRIAZOLE					224					
BETZ 20K	4,936									
BIS(TRICHLOROMETHYL)SULFONE	28									
CADMIUM			1							
CALCIUM CHLORIDE		131								
CALCIUM FLUORIDE		50								
CALCIUM ION					691					
CALCIUM NITRATE		26								
CALCIUM PERCHLORATE		4								
CALCIUM PHOSPHATE,TRIBASIC		28								
CALCIUM SULFATE, ANHYDROUS		1								
CARBOXYALKYLATED POLYSACCHARIDE	1									
CARBOXYLATED LIGNIN	0									
CHLORIDE ION		16,872	545,324		154,567			515	4,495	358
CHROMIUM			9							
CYCLOHEXYLAMINE	2								8	0
DIMETHYLISOPROPANOLAMINE	16									
DODECYLGUANIDINE HYDROCHLORIDE								471		
DREWGARD		47								
ETHYL ALCOHOL		46						157		
ETHYLAMINE	2									
ETHYLENEDIAMINE TETRAACETIC ACID		44				1			47	12
FLUORIDE ION			482							
HEAVY AROMATIC NAPHTHA	21									
HYDROGEN CHLORIDE	52									
HYPOCHLORITE ION					1,776					
IMPURITY								19		
ISOPROPANOL	26									
ISOPROPYL ALCOHOL								157		
JANITORIAL SUPPLIES	291	5,710		24		111			2,608	18
LAUNDRY PRODUCTS		3,516								
METHYLENE BIS(THIOCYANATE)	19							157		
MORPHOLINE									8	0

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

INEL-37

SCHED. NO. INPR037

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
FOR JANUARY THROUGH DECEMBER, 1992

RPT 4-1

INEL-38

Substance	TOTAL
(1-HYDROXYETHYLIDENE)BISPHOSPHONIC	1,479
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT	953
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN	362
ACRYLIC POLYMER	1,434
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	785
ALUMINUM NITRATE	60
AMINEMETHYLPROPANOL	15
AROMATIC SOLVENTS	168
ARSENIC	1
B-BROMO-B-NITROSTYRENE	30
BARIUM	175
BARIUM SULFATE	0
BENZOTRIAZOLE	224
BETZ 20K	4,936
BIS(TRICHLOROMETHYL)SULFONE	28
CADMIUM	1
CALCIUM CHLORIDE	131
CALCIUM FLUORIDE	50
CALCIUM ION	691
CALCIUM NITRATE	26
CALCIUM PERCHLORATE	4
CALCIUM PHOSPHATE, TRIBASIC	28
CALCIUM SULFATE, ANHYDROUS	1
CARBOXYALKYLATED POLYSACCHARIDE	1
CARBOXYLATED LIGNIN	0
CHLORIDE ION	722,131
CHROMIUM	9
CYCLOHEXYLAMINE	10
DIMETHYLISOPROPANOLAMINE	16
DODECYLGUANIDINE HYDROCHLORIDE	471
DREWGARD	47
ETHYL ALCOHOL	203
ETHYLAMINE	2
ETHYLENEDIAMINE TETRAACETIC ACID	104
FLUORIDE ION	482
HEAVY AROMATIC NAPHTHA	21
HYDROGEN CHLORIDE	52
HYPOCHLORITE ION	1,776
IMPURITY	19
ISOPROPANOL	26
ISOPROPYL ALCOHOL	157
JANITORIAL SUPPLIES	8,762
LAUNDRY PRODUCTS	3,516
METHYLENE BIS(THIOCYANATE)	176
MORPHOLINE	8

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
FOR JANUARY THROUGH DECEMBER, 1992

INEL-39

Substance	ANL	CFA	CPP	CTF	NRF	PBF	PWT	TRA	TSF	WRF
N-METHYLPYRROLIDONE	75									
NITRATE ION			39,847							
NITRIC OXIDE			765							
NITROGEN DIOXIDE			6,881							
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL	21									
PHOSPHATE ION			136		858			960		
PHOTO LAB CHEMICAL	792									
POLYACRYLATE	282									
POLYALKYLENE GLYCOL	0							2,042		
POTASSIUM HYDROXIDE		44				1		1,479	47	12
SALT OF EDTA	0									
SELENIUM			2							
SILICONE EMULSION								31		
SODIUM HYDRATE SOLUTION	8									
SODIUM HYDROXIDE					671			31		
SODIUM ION	4,085	11,041	342,845		92,023	1		92,345	3,361	311
SODIUM LIGNOSULFONATE		44				1			47	12
SODIUM SULFATE	1									
SODIUM SULFITE	4									
SODIUM TOLYTRIAZOLE								1,479		
SODIUM TRIPOLYPHOSPHATE	1									
STODDARD SOLVENT	83									
SULFATE ION	36,434		56,355		207,566			340,181	670	138
SULFITE ION	3	172				1			40	17
TDS								267,095		
TETRAPOTASSIUM PYROPHOSPHATE								3,696		
TOTAL HARDNESS								148,906		
TRIBUTYL TIN OXIDE								157		
Total	48,350	37,837	992,821	24	458,376	115		863,938	11,330	877

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

SCHED. NO. INPRT037

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
FOR JANUARY THROUGH DECEMBER, 1992

RPT 4-1

INEL-40

Substance	TOTAL
N-METHYLPYRROLIDONE	75
NITRATE ION	39,847
NITRIC OXIDE	765
NITROGEN DIOXIDE	6,881
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL	21
PHOSPHATE ION	1,953
PHOTO LAB CHEMICAL	792
POLYACRYLATE	282
POLYALKYLENE GLYCOL	2,042
POTASSIUM HYDROXIDE	1,582
SALT OF EDTA	0
SELENIUM	2
SILICONE EMULSION	31
SODIUM HYDRATE SOLUTION	8
SODIUM HYDROXIDE	703
SODIUM ION	546,011
SODIUM LIGNOSULFONATE	104
SODIUM SULFATE	1
SODIUM SULFITE	4
SODIUM TOLYTRIAZOLE	1,479
SODIUM TRIPOLYPHOSPHATE	1
STODDARD SOLVENT	83
SULFATE ION	641,343
SULFITE ION	232
TDS	267,095
TETRAPOTASSIUM PYROPHOSPHATE	3,696
TOTAL HARDNESS	148,906
TRIBUTYLTIN OXIDE	157
Total	2,413,668

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

INEL YEAR-TO-DATE WATER USAGE SUMMARY
FOR JANUARY THROUGH DECEMBER 1992

RPT 2-1

(ALL VOLUMES = NEAREST THOUSAND LITERS)

AREA OF ORIGIN	YEARLY VOLUME PUMPED	YEARLY VOLUME DISPOSED					ACCOUNTA- BILITY (%)
		AIR	SURFACE	SUBSURFACE	SEWAGE	TOTAL	
ANL	405,378	211,594	164,222		12,952	388,768	95.9
CFA	521,041		146,857	13,911	216,506	377,274	72.4
CPP	3,069,581		2,432,120		70,662	2,502,782	81.5
CTF	2,965		2,877		76	2,953	99.6
MHD	700	58	642			700	100.0
NRF	1,110,924	409,350	647,288		56,136	1,112,774	100.2
PBF	18,129		5,437		9,790	15,227	84.0
TRA	2,224,786	1,048,514	1,159,941	0	47,454	2,255,909	101.4
TSF	94,453		65,595		82,837	148,431	157.1
WMC	157,161				1,814	1,814	1.2
WRF	12,795		10,144		311	10,455	81.7
GRAND TOTAL	7,617,914	1,669,516	4,635,122	13,911	498,537	6,817,087	89.5

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

INEL-41

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

INEL QUARTERLY FUEL OIL AND DIESEL SUMMARY
FOR JANUARY THROUGH DECEMBER 1992

RPT 5-1

AREA OF ORIGIN	FUEL OIL IN LITERS					KILOGRAMS DISCHARGED		
	TYPE 2	TYPE 5	TYPE 6	KEROSENE	DIESEL	SO2	NOX	PARTICULATES
ANL	1,882,426					9,995		2,481
CFA	402,229				137,084	3,221		
CPP	713,476					11,871		
MHD	10,826					65		
NRF		2,360,965				35,275		
PBF	64,113				182	364		
SMC	1,113,536					6,146		
TRA					1,394,681	9,627		
TSF	1,372,438					7,773		
WRF	134,215					525		
GRAND TOTAL:	5,693,261	2,360,965			1,531,948	84,861		2,481

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

INEL-42

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

INEL WASTE OIL SUMMARY IN GALLONS
 JANUARY THROUGH DECEMBER 1992

RPT 9-1

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ANL				350.0		250.0							600.0
CFA			1,600.0	1,270.0		1,300.0		1,128.0		1,350.0			6,648.0
CPP			800.0										800.0
IRC							50.0						50.0
NRF			2,000.0	510.0		240.0		300.0					3,050.0
PBF								50.0					50.0
TAN						200.0							200.0
TRA			1,200.0						1,500.0				2,700.0
TOTAL			5,600.0	2,130.0		1,990.0	50.0	1,478.0	1,500.0	1,350.0			14,098.0

INEL-43

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

INEL YEAR-TO-DATE COAL USAGE SUMMARY
FOR JANUARY THROUGH DECEMBER 1992

RPT 5-1

AREA	COAL BURNED (TONS)	MG. DISCHARGED	
		SO2	NO2
CPP	12,464	17	64
GRAND TOTALS:	12,464	17	64

INEL-44

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

SUMMARY INEL
HAZARDOUS WASTE GENERATED
FOR January - December 1992

RPT 10-1

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
ANL													
Gross Volumes:	4.16E-01	6.25E-01	6.25E-01	2.32E+02	2.14E+02	1.37E+02	1.98E+00	7.57E-02	4.47E-01	1.58E+01	7.38E-01	1.69E+00	6.06E+02
Gross Weights:	4.63E+05	5.51E+05	7.17E+05	2.78E+08	2.35E+08	1.65E+08	2.34E+06	3.40E+04	5.01E+05	1.33E+07	5.78E+05	7.47E+05	6.96E+08
CFA													
Gross Volumes:	3.97E-01		3.03E-01	4.16E-01		1.51E-01	2.65E-01	1.04E+00		1.51E-01	1.14E-01	4.66E-01	3.31E+00
Gross Weights:	4.35E+05		8.85E+04	5.31E+05		3.18E+04	1.63E+05	8.57E+05		9.30E+04	3.19E+04	4.19E+05	2.65E+06
CPP													
Gross Volumes:				1.89E-02								2.89E-01	3.08E-01
Gross Weights:				1.09E+04								5.76E+04	6.85E+04
IET													
Gross Volumes:												2.27E-01	2.27E-01
Gross Weights:												8.94E+04	8.94E+04
IRC													
Gross Volumes:	2.43E+00			1.36E+00	1.14E-01		1.78E+00	4.96E+00				2.11E-01	1.08E+01
Gross Weights:	7.13E+05			5.42E+05	7.76E+04		1.09E+06	2.61E+06				1.27E+05	5.16E+06
NRF													
Gross Volumes:	4.47E+00		2.87E+00		2.10E+00	1.51E+00	3.24E+00	6.89E+00		2.67E+00		2.73E+00	2.65E+01
Gross Weights:	3.81E+06		1.70E+06		1.40E+06	1.68E+06	2.18E+06	4.96E+06		1.79E+06		1.79E+06	1.93E+07
PBF													
Gross Volumes:				2.08E-01		2.08E-01						2.55E-01	6.71E-01
Gross Weights:				4.54E+04		5.26E+04						3.92E+05	4.90E+05
PTI													
Gross Volumes:										3.46E+00		1.87E+00	5.34E+00
Gross Weights:										4.08E+05		1.63E+06	2.04E+06
SLR													
Gross Volumes:					6.28E-01								6.28E-01
Gross Weights:					1.97E+05								1.97E+05
TAN													
Gross Volumes:	2.08E-01		3.41E-01					1.14E-01		2.27E-01		9.14E+00	1.00E+01
Gross Weights:	1.36E+05		1.88E+05					1.81E+04		1.33E+05		6.65E+06	7.12E+06
TRA													
Gross Volumes:	7.57E-02		5.68E-02				1.82E+02	1.14E-01	2.84E-01	2.27E-01		2.27E-01	1.83E+02
Gross Weights:	2.18E+04		2.22E+04				1.30E+08	3.08E+04	1.00E+05	5.69E+05		1.36E+05	1.30E+08
TSB													
Gross Volumes:			3.79E-02										3.79E-02
Gross Weights:			1.40E+04										1.40E+04
WCB													
Gross Volumes:												3.03E-01	3.03E-01
Gross Weights:												2.07E+05	2.07E+05

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL-45

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

SUMMARY INEL
HAZARDOUS WASTE GENERATED
FOR January - December 1992

RPT 10-1

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
WRF													
Gross Volumes:												4.62E-02	4.62E-02
Gross Weights:												6.80E+02	6.80E+02
TOTAL VOLUMES:	7.99E+00	6.25E-01	4.24E+00	2.34E+02	2.17E+02	1.39E+02	1.89E+02	1.32E+01	7.31E-01	2.25E+01	8.52E-01	1.75E+01	8.46E+02
TOTAL WEIGHTS:	5.58E+06	5.51E+05	2.73E+06	2.79E+08	2.36E+08	1.66E+08	1.35E+08	8.51E+06	6.01E+05	1.63E+07	6.10E+05	1.22E+07	8.64E+08

INEL-46

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

SUMMARY INEL
MIXED WASTE GENERATED
FOR January - December 1992

RPT 11-1

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
ANL													
Gross Volumes:					4.16E-01								4.16E-01
Gross Weights:					5.37E+05								5.37E+05
CFA													
Gross Volumes:					5.98E-01					2.38E-01			8.37E-01
Gross Weights:					4.19E+05					6.30E+04			4.82E+05
CPP													
Gross Volumes:					2.19E+00								2.19E+00
Gross Weights:					6.79E+05								6.79E+05
IRC													
Gross Volumes:					3.22E-01								3.22E-01
Gross Weights:					2.30E+05								2.30E+05
PBF													
Gross Volumes:				3.03E-02									3.03E-02
Gross Weights:				4.35E+04									4.35E+04
SLR													
Gross Volumes:					1.26E+00								1.26E+00
Gross Weights:					6.46E+05								6.46E+05
TAN													
Gross Volumes:									8.33E-01				8.33E-01
Gross Weights:									8.10E+05				8.10E+05
TRA													
Gross Volumes:				3.60E-01	3.70E+01								3.73E+01
Gross Weights:				8.62E+04	6.06E+06								6.15E+06
WER													
Gross Volumes:				3.96E+00									3.96E+00
Gross Weights:				1.78E+06									1.78E+06
WMC													
Gross Volumes:					6.28E-01								6.28E-01
Gross Weights:					2.43E+05								2.43E+05
TOTAL VOLUMES:				4.35E+00	4.24E+01				8.33E-01	2.38E-01			4.78E+01
TOTAL WEIGHTS:				1.91E+06	8.82E+06				8.10E+05	6.30E+04			1.16E+07

INEL-47

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

ARGONNE NATIONAL LABORATORY-WEST, 1992 DETAIL DATA

Report 114—ANL Airborne Disposed Substances Summary	ANL-3
Report 114—ANL Airborne Release Point And Disposed Substances Summary	ANL-4
Report 115—ANL Liquid Disposed Substances Summary	ANL-5
Report 115—ANL Release Point And Liquid Disposed Substances Summary	ANL-8
Report 116—ANL Landfill Solid Disposed Waste Summary	ANL-12
Report 117—ANL Water Usage And Disposal Summary	ANL-13
Report 118—ANL Fuel Oil Usage And Stack Effluents Summary	ANL-15
Report 1110—Hazardous Waste Generated By ANL For January–December 1992	ANL-16
Report 1111—Mixed Waste Generated By ANL For January–December 1992	ANL-17

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

ANL AIRBORNE DISPOSED SUBSTANCES SUMMARY

RPT 114-I
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
BETZ 20K WEIGHT (KGS)	5		1			1	7	9	2	7	8	7	46
POLYACRYLATE WEIGHT (KGS)	0					0	0	1	0	0	1	0	3

ANL-3

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

ANL AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 114-1
ANL

RELEASE POINT DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
COOLING TOWER 757 VOLUME (1000 CM)	0		0			0	0	0	0	0	0	0	2
BETZ 20K CONC. (CC/CM)	18.41		12.80			17.54	29.30	21.95	9.49	21.90	47.30	17.43	21.84
WEIGHT (KGS)	5		1			1	7	9	2	7	8	7	46
POLYACRYLATE CONC. (CC/CM)	1.06					0.62	1.07	1.32	0.43	1.15	3.62	1.07	1.21
WEIGHT (KGS)	0					0	0	1	0	0	1	0	3

ANL-4

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

ANL LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-1
 ANL

ANL-5

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT WEIGHT (KGS)	50	25	38	4	8	38	105	306	105	117	42	115	953
AMINEMETHYLPROPANOL WEIGHT (KGS)	1	0	1		3	2	1	1	1	2	1	2	15
AROMATIC SOLVENTS WEIGHT (KGS)	6	17	17	3	2	22	13	18	11	22	13	24	168
B-BROMO-B-NITROSTYRENE WEIGHT (KGS)		2	2	1	0	5	3	3	2	5	3	5	30
BETZ 20K WEIGHT (KGS)	430		105	11	99	215	622	1,272	292	661	628	556	4,890
BIS(TRICHLOROMETHYL)SULFONE WEIGHT (KGS)	7	7	7		1			6					28
CARBOXYALKYLATED POLYSACCHARIDE WEIGHT (KGS)								0	0	0	0		1
CARBOXYLATED LIGNIN WEIGHT (KGS)								0	0	0	0		0
CYCLOHEXYLAMINE WEIGHT (KGS)									0	1	1	0	2
DIMETHYLISOPROPANOLAMINE WEIGHT (KGS)	1	0	1		3	2	1	1	1	2	2	2	16
ETHYLAMINE WEIGHT (KGS)	0	0	0		0	1	0	0	0	0	0	0	2
HEAVY AROMATIC NAPTHA WEIGHT (KGS)	5	5	5		1			4					21
HYDROGEN CHLORIDE WEIGHT (KGS)	5	5	5	5	5	5	5	5	5	5	5		52

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

ANL LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-1
 ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
ISOPROPANOL WEIGHT (KGS)	2	2	2	2	2	2	2	2	2	2	2		26
JANITORIAL SUPPLIES WEIGHT (KGS)												291	291
METHYLENE BIS(THIOCYANATE) WEIGHT (KGS)	1	2	2	0	0	2	1	2	1	2	1	2	19
N-METHYLPYRROLIDONE WEIGHT (KGS)	7	11	11	1	2	7	4	10	4	7	4	8	75
NONYLPHENOXPOLY(ETHYLENEOXY)ETHANOL WEIGHT (KGS)	2	3	3	0	0	2	1	3	1	2	1	2	21
PHOTO LAB CHEMICAL WEIGHT (KGS)					81		181			70		460	792
POLYACRYLATE WEIGHT (KGS)	25	11		1	6	8	23	76	13	35	48	34	280
POLYALKYLENE GLYCOL WEIGHT (KGS)								0	0	0	0		0
SALT OF EDTA WEIGHT (KGS)									0	0	0	0	0
SODIUM HYDRATE SOLUTION WEIGHT (KGS)								1	1	3	1	0	8
SODIUM ION WEIGHT (KGS)	374	415	415	83	332	166	456	291	332	415	416	390	4,085
SODIUM SULFATE WEIGHT (KGS)								0	0	0	0		1
SODIUM SULFITE WEIGHT (KGS)								0	1	2	0		4

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5

ANL-6

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SCHED. NO. INRPT008A

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

ANL LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
SODIUM TRIPOLYPHOSPHATE WEIGHT (KGS)								0	0	1	0		1
STODDARD SOLVENT WEIGHT (KGS)		6	6	2	1	13	7	7	6	13	7	14	83
SULFATE ION WEIGHT (KGS)	4,361	1,108	1,800	208	1,038	2,077	4,431	7,961	2,215	4,912	1,411	4,912	36,434
SULFITE ION WEIGHT (KGS)								0	0	1	1	0	3

ANL-7

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

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SCHED. NO. INRPT008

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-1
ANL

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
FACILITY 779 VOLUME (1000 L) PH	SURFACE 908	816	971	955	905	1,022	1,233	1,007	1,117	1,149	964	1,362	12,407
HYDROGEN CHLORIDE CONC. (MG/L) WEIGHT (KGS)	5.24 5	5.84 5	4.91 5	4.99 5	5.26 5	4.66 5	3.86 5	4.73 5	4.26 5	4.15 5	4.94 5		4.22 52
ISOPROPANOL CONC. (MG/L) WEIGHT (KGS)	2.62 2	2.92 2	2.45 2	2.49 2	2.63 2	2.33 2	1.93 2	2.37 2	2.13 2	2.07 2	2.47 2		2.11 26
JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)												213.90 291	23.48 291
INDUSTRIAL POND 746 VOLUME (1000 L) PH	SURFACE 12,454	8,362	10,565	5,568	7,745	13,968	30,378	22,803	11,977	21,914	7,949	11,530	165,214
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT CONC. (MG/L) WEIGHT (KGS)	4.04 50	3.01 25	3.57 38	0.75 4	1.08 8	2.70 38	3.45 105	13.43 306	8.76 105	5.32 117	5.28 42	9.97 115	5.77 953
AMINEMETHYLPROPANOL CONC. (MG/L) WEIGHT (KGS)	0.09 1	0.02 0	0.06 1		0.41 3	0.15 2	0.03 1	0.06 1	0.07 1	0.07 2	0.17 1	0.15 2	0.09 15
AROMATIC SOLVENTS CONC. (MG/L) WEIGHT (KGS)	0.46 6	2.02 17	1.60 17	0.57 3	0.32 2	1.60 22	0.42 13	0.77 18	0.93 11	1.02 22	1.61 13	2.08 24	1.02 168

ANL-8

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-1
ANL

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT
													VOL/WEIGHT AVG CONC
INDUSTRIAL POND 746 SURFACE													
B-BROMO-B-NITROSTYRENE													
CONC. (MG/L)		0.27	0.22	0.12	0.04	0.33	0.09	0.11	0.19	0.21	0.33	0.42	0.18
WEIGHT (KGS)		2	2	1	0	5	3	3	2	5	3	5	30
BETZ 20K													
CONC. (MG/L)	34.49		9.90	1.98	12.80	15.38	20.49	55.78	24.37	30.16	78.97	48.23	29.60
WEIGHT (KGS)	430		105	11	99	215	622	1,272	292	661	628	556	4,890
BIS(TRICHLOROMETHYL)SULFONE													
CONC. (MG/L)	0.57	0.85	0.67		0.13			0.27					0.17
WEIGHT (KGS)	7	7	7		1			6					28
CARBOXYALKYLATED POLYSACCHARIDE													
CONC. (MG/L)								0.00	0.01	0.02	0.01		0.00
WEIGHT (KGS)								0	0	0	0		1
CARBOXYLATED LIGNIN													
CONC. (MG/L)								0.00	0.00	0.01	0.00		0.00
WEIGHT (KGS)								0	0	0	0		0
CYCLOHEXYLAMINE													
CONC. (MG/L)									0.03	0.03	0.13	0.03	0.01
WEIGHT (KGS)									0	1	1	0	2
DIMETHYLISOPROPANOLAMINE													
CONC. (MG/L)	0.09	0.02	0.06		0.41	0.15	0.03	0.06	0.08	0.08	0.21	0.16	0.10
WEIGHT (KGS)	1	0	1		3	2	1	1	1	2	2	2	16
ETHYLAMINE													
CONC. (MG/L)	0.01	0.02	0.02		0.01	0.05	0.01	0.01	0.03	0.01	0.02	0.01	0.02
WEIGHT (KGS)	0	0	0		0	1	0	0	0	0	0	0	2

ANL-9

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
INDUSTRIAL POND 746 SURFACE													
HEAVY AROMATIC NAPHTHA													
CONC. (MG/L)	0.41	0.61	0.49		0.09			0.19					0.12
WEIGHT (KGS)	5	5	5		1			4					21
METHYLENE BIS(THIOCYANATE)													
CONC. (MG/L)	0.11	0.29	0.23	0.05	0.05	0.15	0.04	0.10	0.08	0.09	0.15	0.19	0.11
WEIGHT (KGS)	1	2	2	0	0	2	1	2	1	2	1	2	19
N-METHYLPYRROLIDONE													
CONC. (MG/L)	0.57	1.28	1.01	0.18	0.20	0.51	0.13	0.45	0.30	0.32	0.51	0.66	0.45
WEIGHT (KGS)	7	11	11	1	2	7	4	10	4	7	4	8	75
NONYLPHOXYPOLY(ETHYLENEOXY)ETHANOL													
CONC. (MG/L)	0.16	0.36	0.29	0.05	0.06	0.15	0.04	0.12	0.08	0.09	0.15	0.19	0.13
WEIGHT (KGS)	2	3	3	0	0	2	1	3	1	2	1	2	21
PHOTO LAB CHEMICAL													
CONC. (MG/L)					10.48		5.97			3.19		39.87	4.79
WEIGHT (KGS)					81		181			70		460	792
POLYACRYLATE													
CONC. (MG/L)	1.98	1.36		0.11	0.82	0.54	0.75	3.35	1.11	1.58	6.04	2.96	1.69
WEIGHT (KGS)	25	11		1	6	8	23	76	13	35	48	34	280
POLYALKYLENE GLYCOL													
CONC. (MG/L)								0.00	0.00	0.00	0.00		0.00
WEIGHT (KGS)								0	0	0	0		0
SALT OF EDTA													
CONC. (MG/L)									0.00	0.00	0.00	0.00	0.00
WEIGHT (KGS)									0	0	0	0	0

ANL-10

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
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ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-1
 ANL

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
INDUSTRIAL POND 746 SURFACE SODIUM HYDRATE SOLUTION CONC. (MG/L) WEIGHT (KGS)								0.06 1	0.11 1	0.16 3	0.15 1	0.02 0	0.05 8
SODIUM ION CONC. (MG/L) WEIGHT (KGS)	29.99 374	49.63 415	39.28 415	14.91 83	42.87 332	11.89 166	15.02 456	12.74 291	27.74 332	18.96 415	52.29 416	33.85 390	24.73 4,085
SODIUM SULFATE CONC. (MG/L) WEIGHT (KGS)								0.00 0	0.01 0	0.02 0	0.01 0		0.00 1
SODIUM SULFITE CONC. (MG/L) WEIGHT (KGS)								0.01 0	0.08 1	0.10 2	0.03 0		0.02 4
SODIUM TRIPOLYPHOSPHATE CONC. (MG/L) WEIGHT (KGS)								0.01 0	0.03 0	0.04 1	0.01 0		0.01 1
STODDARD SOLVENT CONC. (MG/L) WEIGHT (KGS)		0.76 6	0.60 6	0.33 2	0.12 1	0.91 13	0.24 7	0.32 7	0.53 6	0.58 13	0.91 7	1.18 14	0.50 83
SULFATE ION CONC. (MG/L) WEIGHT (KGS)	350.19 4,361	132.47 1,108	170.36 1,800	37.30 208	134.06 1,038	148.69 2,077	145.85 4,431	349.10 7,961	184.97 2,215	224.17 4,912	177.46 1,411	426.04 4,912	220.53 36,434
SULFITE ION CONC. (MG/L) WEIGHT (KGS)								0.01 0	0.03 0	0.03 1	0.14 1	0.04 0	0.02 3

ANL-11

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5
 0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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IDAHO OPERATIONS OFFICE
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19-JUN-93

ANL LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 116-1
 ANL

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS								290.5					290.5
ASPHALT			4.6		7.6	7.6	10.7		36.7				67.3
CAFETERIA GARBAGE	36.7	47.4	48.9	44.3	55.1	50.5	50.5	48.9	48.9	45.9	47.4	35.2	559.7
DIRT AND GRAVEL							24.5					0.4	24.8
MASONRY AND CONCRETE			3.1				113.9			91.8	22.9		231.7
SCRAP METAL	6.9	27.5	26.8	6.1	6.1	12.2	42.8	41.3	9.2	15.3	6.1	6.1	206.4
TRASH, SWEEPINGS, ETC.	760.0	435.8	394.5	497.0	334.9	649.9	400.7	632.7	388.8	549.0	480.2	405.2	5,928.7
WOOD AND SCRAP LUMBER	12.6	64.2	18.4	7.6		122.3	58.1	103.2	7.6	42.8			437.0
CHEMICALS									1.1			0.4	1.5
MISC.								8.8					8.8
GRAND TOTALS:	816.2	575.0	496.2	555.1	403.7	842.6	701.1	1,125.5	492.4	744.7	556.6	447.3	7,756.5

ANL-12

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

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FOR JANUARY THROUGH DECEMBER 1992
 ANL WATER USAGE AND DISPOSAL SUMMARY

RPT 117-1
 ANL

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
001 WATER PUMPED (L)	17,413	6,643	9,906	4,667	7,408	13,014	23,852	38,043	21,728	25,143	11,580	23,292	202,689
002 WATER PUMPED (L)	17,413	6,643	9,906	4,667	7,408	13,014	23,852	38,043	21,728	25,143	11,580	23,292	202,689
WATER PUMPED (L)	34,826	13,287	19,813	9,335	14,816	26,028	47,704	76,087	43,456	50,285	23,159	46,583	405,378
WATER DISPOSED													
AIR (L)	19,673	3,397	7,241	2,297	6,367	10,993	16,046	48,415	28,144	24,666	13,041	31,313	211,594
SURFACE (L)	12,454	8,362	10,565	5,568	6,753	13,968	30,378	22,803	11,977	21,914	7,949	11,530	164,222
SUBSURFACE (L)													
SEWAGE DATA													
720 BUILD VOL (L)	45	45	45	45	45	45	45	45	45	45	45	45	545
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL													

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
 0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

ANL-13

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

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FOR JANUARY THROUGH DECEMBER 1992
ANL WATER USAGE AND DISPOSAL SUMMARY

RPT 117-1
ANL

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT
													VOL/WEIGHT AVG CONC
779 BUILD VOL (L)	908	816	971	955	905	1,022	1,233	1,007	1,117	1,149	964	1,362	12,407
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)						340.0	220.0	350.0	480.0	350.0	510.0		375.0
FINAL CONC. (MG/L)						36.0	16.0	22.0	20.0	4.0	14.0		18.7
% REMOVED						89.4	92.7	93.7	95.8	98.9	97.3		95.0
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)							4.8	2.1	4.2	4.9	6.4		4.5
FINAL CONC. (MG/L)							4.6	3.4	6.0	17.2	11.4		8.5
INCREASED FACTOR							-0.0	0.6	0.4	2.5	0.8		0.9
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL				8.9	9.0	8.5	9.0	8.1	7.4	7.7	7.7		8.3
TOTAL SEWAGE(L)	954	861	1,016	1,000	950	1,068	1,278	1,052	1,163	1,194	1,009	1,407	12,952
TOTAL WATER DISPOSED(L)	33,080	12,621	18,823	8,865	14,070	26,029	47,702	72,271	41,284	47,773	21,999	44,250	388,768
ACCOUNTABILITY (%)	95.0	95.0	95.0	95.0	95.0	100.0	100.0	95.0	95.0	95.0	95.0	95.0	95.9

ANL-14

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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19-JUN-93

ANL FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 118-1
ANL

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	190	335	292	190	148	125	48	4	135	84	251	81	1,882
SO2 (KGS)	1	2	2	1	1	1	0	0	1	0	1	0	10
NOX (KGS)													
PARTICULATES (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	2
GRAND TOTALS:													
VOLUME (LITERS)	190	335	292	190	148	125	48	4	135	84	251	81	1,882
SO2 (KGS)	1	2	2	1	1	1	0	0	1	0	1	0	10
NOX (KGS)													
PARTICULATES (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	2

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

ANL-15

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

HAZARDOUS WASTE GENERATED BY ANL
FOR January - December 1992

RPT 1110-1
ANL

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 720													
Gross Volumes:												2.08E-01	2.08E-01
Gross Weights:												9.62E+04	9.62E+04
BLDG 752													
Gross Volumes:	2.08E-01		2.08E-01	2.08E-01	2.08E-01		2.08E-01		2.08E-01	2.08E-01	2.08E-01		1.67E+00
Gross Weights:	2.31E+05		2.22E+05	2.31E+05	2.54E+05		2.63E+05		2.49E+05	2.63E+05	2.40E+05		1.95E+06
BLDG 753													
Gross Volumes:		2.08E-01		2.08E-01					3.03E-02				4.47E-01
Gross Weights:		4.31E+04		1.09E+05					1.09E+04				1.63E+05
BLDG 765													
Gross Volumes:							1.08E-01						1.08E-01
Gross Weights:							1.81E+05						1.81E+05
BLDG 766													
Gross Volumes:				2.50E+00									2.50E+00
Gross Weights:				2.67E+06									2.67E+06
BLDG 768													
Gross Volumes:				2.29E+02	2.14E+02	1.37E+02		7.57E-02		1.53E+01			5.95E+02
Gross Weights:				2.74E+08	2.34E+08	1.65E+08		3.40E+04		1.27E+07			6.86E+08
BLDG 769													
Gross Volumes:		4.16E-01											4.16E-01
Gross Weights:		5.08E+05											5.08E+05
BLDG 772													
Gross Volumes:	2.08E-01		2.08E-01										4.16E-01
Gross Weights:	2.31E+05		2.56E+05										4.88E+05
BLDG 774													
Gross Volumes:											1.14E-01		1.14E-01
Gross Weights:											2.95E+04		2.95E+04
BLDG 781													
Gross Volumes:										3.22E-01			3.22E-01
Gross Weights:										2.70E+05			2.70E+05
BLDG 785													
Gross Volumes:			2.08E-01	2.08E-01			1.67E+00		2.08E-01		4.16E-01	2.08E-01	2.91E+00
Gross Weights:			2.38E+05	2.61E+05			1.89E+06		2.40E+05		3.08E+05	2.54E+05	3.19E+06
BLDG ANL													
Gross Volumes:												1.27E+00	1.27E+00
Gross Weights:												3.96E+05	3.96E+05
TOTAL VOLUMES:	4.16E-01	6.25E-01	6.25E-01	2.32E+02	2.14E+02	1.37E+02	1.98E+00	7.57E-02	4.47E-01	1.58E+01	7.38E-01	1.69E+00	6.06E+02
TOTAL WEIGHTS:	4.63E+05	5.51E+05	7.17E+05	2.78E+08	2.35E+08	1.65E+08	2.34E+06	3.40E+04	5.01E+05	1.33E+07	5.78E+05	7.47E+05	6.96E+08

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

ANL-16

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

MIXED WASTE GENERATED BY ANL
FOR January - December 1992

RPT 1111-1
ANL

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 752													
Gross Volumes:					4.16E-01								4.16E-01
Gross Weights:					5.37E+05								5.37E+05
TOTAL VOLUMES:					4.16E-01								4.16E-01
TOTAL WEIGHTS:					5.37E+05								5.37E+05

ANL-17

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CENTRAL FACILITIES AREA, 1992 DETAIL DATA

Report 135—CFA Liquid Disposed Substances Summary	CFA-3
Report 135—CFA Release Point And Liquid Disposed Substances Summary ...	CFA-5
Report 136—CFA Landfill Solid Disposed Waste Summary	CFA-8
Report 137—CFA Water Usage And Disposal Summary For January Through December 1992	CFA-9
Report 138—CFA Fuel Oil Usage And Stack Effluents Summary	CFA-11
Report 1310—Hazardous Waste Generated By CFA For January–December 1992	CFA-12
Report 1311—Mixed Waste Generated By CFA For January–December 1992 ...	CFA-13

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CFA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-1
 CFA

CFA-3

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
ALUMINUM NITRATE WEIGHT (KGS)	5	5	5	5	5	5	5	5	5	5	5	5	60
BARIUM SULFATE WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0
CALCIUM CHLORIDE WEIGHT (KGS)	11	11	11	11	11	11	11	11	11	11	11	11	131
CALCIUM FLUORIDE WEIGHT (KGS)	4	4	4	4	4	4	4	4	4	4	4	4	50
CALCIUM NITRATE WEIGHT (KGS)						4	4	4	4	4	4	4	26
CALCIUM PERCHLORATE WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	4
CALCIUM PHOSPHATE, TRIBASIC WEIGHT (KGS)	2	2	2	2	2	2	2	2	2	2	2	2	28
CALCIUM SULFATE, ANHYDROUS WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	1
CHLORIDE ION WEIGHT (KGS)	1,541	1,252	1,417	1,459	1,073	784	984	1,459	1,583	1,720	1,755	1,844	16,872
DREWGARD WEIGHT (KGS)	2		5	2			5	9	1	7	8	8	47
ETHYL ALCOHOL WEIGHT (KGS)	2	2	2	2	2	2	2	2	2	20	2	2	46
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)	6	7	3	4		1	0	1	5	6	5	7	44
JANITORIAL SUPPLIES WEIGHT (KGS)	294	310	379	432	786	388	774	370	571	345	319	743	5,710

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

CFA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-1
CFA

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
LAUNDRY PRODUCTS WEIGHT (KGS)	316	215	326	282	452	326	290	298	312	292	275	132	3,516
POTASSIUM HYDROXIDE WEIGHT (KGS)	6	7	3	4		1	0	1	5	6	5	7	44
SODIUM ION WEIGHT (KGS)	1,011	831	929	955	696	510	639	948	1,036	1,125	1,148	1,212	11,041
SODIUM LIGNOSULFONATE WEIGHT (KGS)	6	7	3	4		1	0	1	5	6	5	7	44
SULFITE ION WEIGHT (KGS)	19	32	18	16	1	3	2	5	15	18	16	27	172

CFA-4

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

CFA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-1
CFA

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT
													VOL/WEIGHT AVG CONC
SEWAGE PLANT VOLUME (1000 L) PH	SURFACE 18,696	19,919	14,782	16,936	21,017	20,127	25,385	24,965	22,364	19,601	13,465	13,166	230,421
ALUMINUM NITRATE CONC. (MG/L) WEIGHT (KGS)	0.27 5	0.25 5	0.34 5	0.29 5	0.24 5	0.25 5	0.20 5	0.20 5	0.22 5	0.25 5	0.37 5	0.38 5	0.26 60
BARIUM SULFATE CONC. (MG/L) WEIGHT (KGS)	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0
CALCIUM CHLORIDE CONC. (MG/L) WEIGHT (KGS)	0.58 11	0.55 11	0.74 11	0.64 11	0.52 11	0.54 11	0.43 11	0.44 11	0.49 11	0.56 11	0.81 11	0.83 11	0.57 131
CALCIUM FLUORIDE CONC. (MG/L) WEIGHT (KGS)	0.22 4	0.21 4	0.28 4	0.24 4	0.20 4	0.21 4	0.16 4	0.17 4	0.18 4	0.21 4	0.31 4	0.31 4	0.22 50
CALCIUM NITRATE CONC. (MG/L) WEIGHT (KGS)						0.19 4	0.15 4	0.15 4	0.17 4	0.19 4	0.28 4	0.29 4	0.11 26
CALCIUM PERCHLORATE CONC. (MG/L) WEIGHT (KGS)	0.02 0	0.02 0	0.02 0	0.02 0	0.02 0	0.02 0	0.01 0	0.01 0	0.02 0	0.02 0	0.03 0	0.03 0	0.02 4
CALCIUM PHOSPHATE, TRIBASIC CONC. (MG/L) WEIGHT (KGS)	0.13 2	0.12 2	0.16 2	0.14 2	0.11 2	0.12 2	0.09 2	0.09 2	0.11 2	0.12 2	0.18 2	0.18 2	0.12 28
CALCIUM SULFATE, ANHYDROUS CONC. (MG/L) WEIGHT (KGS)	0.00 0	0.00 0	0.01 0	0.01 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.01 0	0.01 0	0.00 1

CFA-5

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

CFA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-1
 CFA

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEWAGE PLANT SURFACE													
CHLORIDE ION													
CONC. (MG/L)	82.44	62.87	95.89	86.13	51.08	38.97	38.76	58.43	70.77	87.76	130.31	140.07	73.22
WEIGHT (KGS)	1,541	1,252	1,417	1,459	1,073	784	984	1,459	1,583	1,720	1,755	1,844	16,872
DREWGARD													
CONC. (MG/L)	0.12		0.31	0.14			0.18	0.37	0.05	0.35	0.59	0.61	0.20
WEIGHT (KGS)	2		5	2			5	9	1	7	8	8	47
ETHYL ALCOHOL													
CONC. (MG/L)	0.13	0.12	0.16	0.14	0.11	0.12	0.09	0.09	0.11	1.01	0.18	0.18	0.20
WEIGHT (KGS)	2	2	2	2	2	2	2	2	2	20	2	2	46
ETHYLENEDIAMINE TETRAACETIC ACID													
CONC. (MG/L)	0.31	0.33	0.22	0.22		0.04	0.02	0.05	0.24	0.29	0.35	0.51	0.19
WEIGHT (KGS)	6	7	3	4		1	0	1	5	6	5	7	44
JANITORIAL SUPPLIES													
CONC. (MG/L)	15.71	15.58	25.62	25.53	37.40	19.26	30.50	14.82	25.51	17.61	23.69	56.40	24.78
WEIGHT (KGS)	294	310	379	432	786	388	774	370	571	345	319	743	5,710
LAUNDRY PRODUCTS													
CONC. (MG/L)	16.91	10.79	22.03	16.66	21.50	16.20	11.44	11.92	13.95	14.88	20.45	10.06	15.26
WEIGHT (KGS)	316	215	326	282	452	326	290	298	312	292	275	132	3,516
POTASSIUM HYDROXIDE													
CONC. (MG/L)	0.31	0.33	0.22	0.22		0.04	0.02	0.05	0.24	0.29	0.35	0.51	0.19
WEIGHT (KGS)	6	7	3	4		1	0	1	5	6	5	7	44
SODIUM ION													
CONC. (MG/L)	54.05	41.73	62.89	56.40	33.13	25.35	25.17	37.97	46.35	57.42	85.24	92.02	47.92
WEIGHT (KGS)	1,011	831	929	955	696	510	639	948	1,036	1,125	1,148	1,212	11,041

CFA-6

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5
 0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

CFA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-1
 CFA

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
SEWAGE PLANT SURFACE													
SODIUM LIGNOSULFONATE													
CONC. (MG/L)	0.31	0.33	0.22	0.22		0.04	0.02	0.05	0.24	0.29	0.35	0.51	0.19
WEIGHT (KGS)	6	7	3	4		1	0	1	5	6	5	7	44
SULFITE ION													
CONC. (MG/L)	1.04	1.61	1.19	0.97	0.05	0.17	0.06	0.18	0.67	0.90	1.20	2.02	0.74
WEIGHT (KGS)	19	32	18	16	1	3	2	5	15	18	16	27	172

CFA-7

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5
 0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

19-JUN-93

CFA LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 136-I
CFA

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS	9.6	3.1	0.8	0.4				0.8	6.1	0.4	3.8		24.8
ASPHALT			16.1	5.4	8.4			3.1	1.5	48.6			83.0
CAFETERIA GARBAGE	159.0	159.0	168.6	139.9	185.8	118.5	133.8	136.9	159.0	179.7	142.2	136.1	1,818.6
DIRT AND GRAVEL	2.3		313.5	19.9	109.3	3.1	7.6	119.7	1.9	195.4	6.5	1.5	780.7
MASONRY AND CONCRETE	3.1	0.8	12.6	8.0	4.2	4.6	3.8	6.5	8.4	46.6	2.3		100.9
SCRAP METAL	21.4	25.2	30.2	18.7	13.0	22.6	22.9	16.1	17.6	34.4	26.8	13.8	262.6
TRASH, SWEEPINGS, ETC.	735.9	524.9	515.7	504.3	449.2	537.1	564.7	474.1	512.3	524.5	354.8	362.8	6,060.2
WEEDS, GRASS AND TREES	1.1	2.3	38.6	13.8	5.5	48.2	33.6	26.4	9.9	15.7	0.4		195.5
WOOD AND SCRAP LUMBER	16.8	11.9	32.5	16.1	29.4	20.3	32.5	7.6	44.3	33.3	29.4	11.5	285.6
.5 BALLATS; 3 OILY WATE			2.7										2.7
5 BAGS COLOR CODED CLEA			0.4										0.4
ANIMAL TISSUES, PLASTIC											0.4		0.4
CARBON FILTERS												0.4	0.4
CHEMICALS									3.1				3.1
COLOR CODED CLEAN WASTE		0.8											0.8
CYLINDERS											0.4		0.4
FINGERPRINT KITS	0.4												0.4
FLOURESCENT LIGHTS CRUS												0.8	0.8
FLOURESCENT TUBES								0.8					0.8
GLASS	3.1	6.1											9.2
INSULATORS, METAL, WIRE	0.4												0.4
NON-FUSE MUNITIONS											0.4		0.4
OUTDATED PHARMACEUTICAL					0.2								0.2
PETROLUM PRODUCTS									6.1				6.1
PLASTIC	0.8												0.8
PLASTIC BUCKETS		0.4											0.4
POLY TANK									0.4				0.4
RUBBER			0.8										0.8
SECURITY KEY'S (BURN)								0.4					0.4
USED EXTINGUISHED POWDE						3.1							3.1
USED PAINT FILTER		0.8											0.8
GRAND TOTALS:	953.8	735.2	1,132.4	726.4	805.1	757.3	799.0	792.1	770.7	1,078.5	567.3	526.8	9,644.7

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

FOR JANUARY THROUGH DECEMBER 1992
CFA WATER USAGE AND DISPOSAL SUMMARY

RPT 137-1
CFA

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
001 WATER PUMPED (L)	156	7	102	344	16,001	8,805	18,829	15,785	285	1,613	206	47	62,180
002 WATER PUMPED (L)	24,601	22,735	315	34,708	63,898	50,724	68,743	65,222	39,898	28,216	21,308	26,812	447,182
EBR WATER PUMPED (L)	174	159	144	117	700	318	17	12	249	450	182	44	2,567
FS2 WATER PUMPED (L)	22	21	130	182	170	272	336	203	52	135	193	232	1,948
MNG WATER PUMPED (L)	70	83	105	8	3,488	207	250	609	441	89	75	82	5,506
PTI WATER PUMPED (L)	506	675	113	209	23	14	21	28	24	16	14	15	1,658
WATER PUMPED (L)	25,529	23,679	910	35,570	84,280	60,340	88,195	81,859	40,950	30,520	21,977	27,233	521,041
WATER DISPOSED													
AIR (L)													
SURFACE (L)	303	144	842	1,812	28,852	23,640	42,926	39,785	6,954	511	403	685	146,857
SUBSURFACE (L)	356	232	258	289	3,084	463	2,259	2,713	2,305	975	425	552	13,911
SEWAGE DATA													
691 BUILD VOL (L)	18,340	19,688	14,525	16,648	17,931	19,665	23,125	22,251	20,059	18,624	13,037	12,613	216,506
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	192.0	195.0	108.8	118.8	131.7	136.3	112.5	122.5	96.3	66.3	93.8	107.5	123.5
FINAL CONC. (MG/L)	19.6	19.8	13.5	11.8	16.3	12.8	15.8	23.5	11.0	11.3	13.8	11.3	15.0
% REMOVED	89.8	89.8	87.6	90.1	87.6	90.6	86.0	80.8	88.6	83.0	85.3	89.5	87.8
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	2.2	2.9	2.4	1.5	1.1	0.9	1.2	1.4	1.4	1.2	1.6	3.1	1.7
FINAL CONC. (MG/L)	7.4	7.2	6.6	6.1	4.3	4.0	5.3	5.8	6.2	6.2	6.9	7.9	6.2
INCREASED FACTOR	2.4	1.5	1.8	3.1	2.9	3.4	3.4	3.1	3.4	4.2	3.3	1.5	2.5
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	7.7	7.1	5.9	6.5	8.5	6.8	7.1	7.7	7.5	6.9	9.7	6.0	7.3
FINAL CONC. (ML/L)	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01
% REMOVED	100.0	99.9	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.7	99.8	99.8	99.9
PH FINAL	8.0	7.8	8.0	7.9	7.7	7.8	7.9	7.9	8.0	7.9	8.1	7.8	7.9

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

FOR JANUARY THROUGH DECEMBER 1992
CFA WATER USAGE AND DISPOSAL SUMMARY

RPT 137-I
CFA

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
TOTAL SEWAGE(L)	18,340	19,688	14,525	16,648	17,931	19,665	23,125	22,251	20,059	18,624	13,037	12,613	216,506
TOTAL WATER DISPOSED(L)	18,999	20,064	15,625	18,749	49,868	43,768	68,310	64,748	29,318	20,111	13,865	13,850	377,274
ACCOUNTABILITY (%)	74.4	84.7	1717.4	52.7	59.2	72.5	77.5	79.1	71.6	65.9	63.1	50.9	72.4

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

19-JUN-93

CFA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 138-1
CFA

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	62	43	53	33	9	23	16	7	9	58	39	50	402
SO2 (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	2
NOX (KGS)													
PARTICULATES (KGS)													
DIESEL													
VOLUME (LITERS)	14	8	3	2	6	9	18	13	22	17	17	9	137
SO2 (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	1
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	76	51	56	35	15	32	34	20	31	74	56	59	539
SO2 (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	3
NOX (KGS)													
PARTICULATES (KGS)													

CFA-11

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

HAZARDOUS WASTE GENERATED BY CFA
FOR January - December 1992

RPT 1310-1
CFA

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 606													
Gross Volumes:	3.79E-02												3.79E-02
Gross Weights:	6.35E+03												6.35E+03
BLDG 612													
Gross Volumes:				2.08E-01									2.08E-01
Gross Weights:				1.88E+05									1.88E+05
BLDG 617													
Gross Volumes:										1.51E-01			1.51E-01
Gross Weights:										9.30E+04			9.30E+04
BLDG 618													
Gross Volumes:								1.04E+00					1.04E+00
Gross Weights:								8.57E+05					8.57E+05
BLDG 622													
Gross Volumes:												4.62E-02	4.62E-02
Gross Weights:												4.54E+03	4.54E+03
BLDG 633													
Gross Volumes:	1.51E-01					1.51E-01	2.65E-01					2.12E-01	7.80E-01
Gross Weights:	8.89E+04					3.18E+04	1.63E+05					2.36E+05	5.20E+05
BLDG 689													
Gross Volumes:				7.57E-02									7.57E-02
Gross Weights:				1.36E+04									1.36E+04
BLDG 690													
Gross Volumes:											1.14E-01		1.14E-01
Gross Weights:											3.19E+04		3.19E+04
BLDG 691													
Gross Volumes:	2.08E-01												2.08E-01
Gross Weights:	3.40E+05												3.40E+05
BLDG 698													
Gross Volumes:				2.27E-01									2.27E-01
Gross Weights:				7.48E+04									7.48E+04
BLDG 699													
Gross Volumes:												2.08E-01	2.08E-01
Gross Weights:												1.79E+05	1.79E+05
BLDG WED													
Gross Volumes:				2.08E-01									2.08E-01
Gross Weights:				3.43E+05									3.43E+05
TOTAL VOLUMES:	3.97E-01		3.03E-01	4.16E-01		1.51E-01	2.65E-01	1.04E+00		1.51E-01	1.14E-01	4.66E-01	3.31E+00
TOTAL WEIGHTS:	4.35E+05		8.85E+04	5.31E+05		3.18E+04	1.63E+05	8.57E+05		9.30E+04	3.19E+04	4.19E+05	2.65E+06

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CFA-12

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

MIXED WASTE GENERATED BY CFA
FOR January - December 1992

RPT 1311-I
CFA

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 625													
Gross Volumes:					1.97E-01								1.97E-01
Gross Weights:					7.48E+04								7.48E+04
BLDG 633													
Gross Volumes:					1.89E-02								1.89E-02
Gross Weights:					7.26E+03								7.26E+03
BLDG 669													
Gross Volumes:					3.03E-02								3.03E-02
Gross Weights:					1.59E+04								1.59E+04
BLDG 690													
Gross Volumes:					3.52E-01					2.38E-01			5.91E-01
Gross Weights:					3.21E+05					6.30E+04			3.84E+05
TOTAL VOLUMES:					5.98E-01					2.38E-01			8.37E-01
TOTAL WEIGHTS:					4.19E+05					6.30E+04			4.82E+05

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CFA-13

CHEMICAL PROCESSING PLANT, 1992 DETAIL DATA

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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25-JUN-93

CPP AIRBORNE DISPOSED SUBSTANCES SUMMARY

RPT 144-1
CPP

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
NITRIC OXIDE WEIGHT (KGS)	544										220		765
NITROGEN DIOXIDE WEIGHT (KGS)	4,899										1,982		6,881

CPP-3

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

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CPP AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 144-1
CPP

RELEASE POINT DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
STACK 708													
VOLUME (1000 CM)	124,000	51	124,000	105,000	79,400	300	77,900	78,400	95,000	125,000	121,000	125,000	1,055,051
NITRIC OXIDE													
CONC. (CC/CM)	3.94										1.64		0.65
WEIGHT (KGS)	544										220		765
NITROGEN DIOXIDE													
CONC. (CC/CM)	23.13										9.59		3.82
WEIGHT (KGS)	4,899										1,982		6,881

CPP-4

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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UNITED STATES DEPARTMENT OF ENERGY
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25-JUN-93

CPP LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 145-I
CPP

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
ARSENIC WEIGHT (KGS)								1					1
BARIUM WEIGHT (KGS)	18	20		19	15		16	20	22	19	5	19	175
CADMIUM WEIGHT (KGS)												1	1
CHLORIDE ION WEIGHT (KGS)	55,338	57,017	41,595	50,280	39,329	37,135	44,502	52,318	54,480	49,397	13,818	50,116	545,324
CHROMIUM WEIGHT (KGS)						3	3					2	9
FLUORIDE ION WEIGHT (KGS)	46	46	42	46	37	34	36	44	48	46	12	46	482
NITRATE ION WEIGHT (KGS)	1,101	2,333	1,531	1,310	1,151	1,266	714	840	937	870	26,536	1,258	39,847
PHOSPHATE ION WEIGHT (KGS)		136											136
SELENIUM WEIGHT (KGS)										2			2
SODIUM ION WEIGHT (KGS)	30,463	35,552	28,672	30,472	25,491	23,106	30,567	32,827	32,819	31,002	9,408	32,464	342,845
SULFATE ION WEIGHT (KGS)	5,819	6,088	5,217	5,986	510	4,341	4,477	5,447	5,938	5,477	1,621	5,434	56,355

CPP-5

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

CPP RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 145-1
CPP

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	VOL/WEIGHT AVG CONC
S PERCOLATION POND VOLUME (1000 L) PH	SURFACE 210,090	222,203	199,112	217,661	182,078	165,043	179,807	205,169	218,796	206,683	58,800	202,897	2,268,338
ARSENIC CONC. (MG/L) WEIGHT (KGS)								0.00 1					0.00 1
BARIUM CONC. (MG/L) WEIGHT (KGS)	0.09 18	0.09 20		0.09 19	0.08 15		0.09 16	0.10 20	0.10 22	0.09 19	0.09 5	0.10 19	0.08 175
CADMIUM CONC. (MG/L) WEIGHT (KGS)												0.00 1	0.00 1
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)	263.40 55,338	256.60 57,017	208.90 41,595	231.00 50,280	216.00 39,329	225.00 37,135	247.50 44,502	255.00 52,318	249.00 54,480	239.00 49,397	235.00 13,818	247.00 50,116	240.41 545,324
CHROMIUM CONC. (MG/L) WEIGHT (KGS)						0.02 3	0.02 3					0.01 2	0.00 9
FLUORIDE ION CONC. (MG/L) WEIGHT (KGS)	0.22 46	0.21 46	0.21 42	0.21 46	0.20 37	0.21 34	0.20 36	0.22 44	0.22 48	0.22 46	0.21 12	0.23 46	0.21 482
NITRATE ION CONC. (MG/L) WEIGHT (KGS)	5.24 1,101	10.50 2,333	7.69 1,531	6.02 1,310	6.32 1,151	7.67 1,266	3.97 714	4.10 840	4.28 937	4.21 870	451.30 26,536	6.20 1,258	17.57 39,847
PHOSPHATE ION CONC. (MG/L) WEIGHT (KGS)		0.61 136											0.06 136

CPP-6

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE

UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

CPP RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 145-1

CPP

RELEASE POINT DESCRIPTION													VOL/WEIGHT
SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG CONC
S PERCOLATION POND SURFACE													
SELENIUM													
CONC. (MG/L)										0.01			0.00
WEIGHT (KGS)										2			2
SODIUM ION													
CONC. (MG/L)	145.00	160.00	144.00	140.00	140.00	140.00	170.00	160.00	150.00	150.00	160.00	160.00	151.14
WEIGHT (KGS)	30,463	35,552	28,672	30,472	25,491	23,106	30,567	32,827	32,819	31,002	9,408	32,464	342,845
SULFATE ION													
CONC. (MG/L)	27.70	27.40	26.20	27.50	2.80	26.30	24.90	26.55	27.14	26.50	27.57	26.78	24.84
WEIGHT (KGS)	5,819	6,088	5,217	5,986	510	4,341	4,477	5,447	5,938	5,477	1,621	5,434	56,355

CPD-7

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1992

19-JUN-93

CPP LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 146-1
 CPP

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS	32.1	38.2	15.3										85.6
ASPHALT	10.7	29.1	29.1	36.7	123.1	95.6	16.1	278.7	438.9	108.6	128.5		1,294.9
CAFETERIA GARBAGE				9.2	16.8								26.0
DIRT AND GRAVEL	0.4	91.8	16.1	21.4	276.0		25.2		37.5	18.0	1.9		488.2
MASONRY AND CONCRETE	82.6	105.5	23.7	6.9	116.2	120.4	34.4	35.2	375.8	126.5	108.2	0.4	1,135.8
SCRAP METAL	32.5	27.5	59.3	14.1	39.8	31.0	11.1	8.0	81.0	39.8	8.8	16.8	369.7
TRASH, SWEEPINGS, ETC.	1,020.7	670.2	819.3	805.9	594.9	649.0	572.3	587.2	524.1	762.3	443.5	508.1	7,957.4
WEEDS, GRASS AND TREES				2.7	252.7		1.1		9.2	2.3			268.0
WOOD AND SCRAP LUMBER	74.5	58.9	144.1	123.5	122.7	87.7	66.5	109.7	90.6	47.0	38.6	23.3	987.3
4 YDS SANDBLAST; 1 YRD		3.8											3.8
ALUMINUM NITRATE PIPING												4.2	4.2
ALUMINUM NITRATE PIPING												4.2	4.2
CONDITIONAL WASTE		3.1											3.1
CRUSHED FLORESENT LAMPS	0.8												0.8
CRUSHED FLOURESCENT LIG										0.4			0.4
EMPTY 1 GAL. OIL BOTTLE	0.4												0.4
FIBERGLASS VESSELS		0.4											0.4
INSULATION	3.8												3.8
PLASTIC .5; SHEETROCK 4	3.4												3.4
PPE, DRUM LINERS, 800 C												2.7	2.7
PULVERIZED FLUORESCENT							0.4						0.4
SAND	3.1	6.1											9.2
SHEET ROCK	12.2												12.2
SILICA SAND	0.8												0.8
UNKNOWN			0.4										0.4
USED ABSORBANT OIL SPIL		0.4											0.4
GRAND TOTALS:	1,278.0	1,034.9	1,107.1	1,020.4	1,542.2	983.7	727.1	1,018.8	1,557.1	1,104.8	729.4	559.7	12,663.3

CPP-8

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

FOR JANUARY THROUGH DECEMBER 1992
 CPP WATER USAGE AND DISPOSAL SUMMARY

RPT 147-1
 CPP

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
616 WATER PUMPED (L)	300,182	289,962	297,154	279,363	242,266	246,051	268,385	229,774	221,067	243,780	215,011	236,588	3,069,581
WATER PUMPED (L)	300,182	289,962	297,154	279,363	242,266	246,051	268,385	229,774	221,067	243,780	215,011	236,588	3,069,581
WATER DISPOSED													
AIR (L)													
SURFACE (L)	210,090	222,203	199,112	217,661	182,078	165,043	179,807	205,169	218,796	206,683	222,582	202,897	2,432,120
SUBSURFACE (L)													
SEWAGE DATA													
615 BUILD VOL (L)	3,509	5,489	5,981	5,716	5,830	4,770	4,732	6,132	6,284	7,609	8,328	6,284	70,662
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	202.0	198.0	163.0	269.0	298.0	194.0	218.0	171.0	169.0	154.0	131.0	196.0	196.9
FINAL CONC. (MG/L)	18.0	30.0	33.0	34.0	15.0	12.0	16.0	26.0	20.0	22.0	16.0	17.0	21.6
% REMOVED	91.1	84.8	79.8	87.4	95.0	93.8	92.7	84.8	88.2	85.7	87.8	91.3	89.0
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	2.2	1.2	0.6	0.7	0.4	0.3	0.3	0.3	0.4	0.4	0.5	1.4	0.7
FINAL CONC. (MG/L)	10.8	9.9	10.1	8.5	4.7	3.7	5.5	5.6	7.0	7.7	9.4	10.2	7.8
INCREASED FACTOR	3.9	7.3	15.8	11.1	10.8	11.3	17.3	17.7	16.5	18.3	17.8	6.3	9.7
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL	8.2	8.3	8.8	8.6	8.1	7.9	8.0	7.9	8.1	8.3	8.5	8.1	8.2
TOTAL SEWAGE(L)	3,509	5,489	5,981	5,716	5,830	4,770	4,732	6,132	6,284	7,609	8,328	6,284	70,662
TOTAL WATER DISPOSED(L)	213,599	227,692	205,093	223,376	187,907	169,813	184,538	211,301	225,080	214,291	230,909	209,181	2,502,782

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
 0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

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FOR JANUARY THROUGH DECEMBER 1992
CPP WATER USAGE AND DISPOSAL SUMMARY

RPT 147-I
CPP

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
ACCOUNTABILITY (%)	71.2	78.5	69.0	80.0	77.6	69.0	68.8	92.0	101.8	87.9	107.4	88.4	81.5

CPP-10

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
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 FOR JANUARY THROUGH DECEMBER 1992

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CPP FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 148-1
 CPP

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	32	16	11	8	62	98	6	30	30	104	163	151	713
SO2 (KGS)	1	0	0	0	1	2	0	0	1	2	3	3	12
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	32	16	11	8	62	98	6	30	30	104	163	151	713
SO2 (KGS)	1	0	0	0	1	2	0	0	1	2	3	3	12
NOX (KGS)													
PARTICULATES (KGS)													

CPP-11

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5

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INEL COAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1992

RPT 8-1

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CPP													
TONS BURNED	1,580	1,344	1,320	1,020	790	446	673	632	778	806	1,325	1,750	12,464
AVG BTUs	.01000	.01000	.01232	.01232	.01232	.01232	.01232	.01232	.01293	.01293	.01309	.01309	.01216
NO2 (M TONS)	6	4	5	4	4	3	4	4	6	6	8	10	64
SO2 (M TONS)	2	2	2	2	2	1	1	1	1	1	2	2	17
GRAND TOTALS:													
TONS BURNED	1,580	1,344	1,320	1,020	790	446	673	632	778	806	1,325	1,750	12,464
NO2 (M TONS)	6	4	5	4	4	3	4	4	6	6	8	10	64
SO2 (M TONS)	2	2	2	2	2	1	1	1	1	1	2	2	17

CPP-12

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

HAZARDOUS WASTE GENERATED BY CPP
 FOR January - December 1992

RPT 1410-1
 CPP

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 602													
Gross Volumes:												2.87E-01	2.87E-01
Gross Weights:												4.54E+04	4.54E+04
BLDG 637													
Gross Volumes:												1.98E-03	1.98E-03
Gross Weights:												1.22E+04	1.22E+04
BLDG 663													
Gross Volumes:				1.89E-02									1.89E-02
Gross Weights:				1.09E+04									1.09E+04
TOTAL VOLUMES:				1.89E-02								2.89E-01	3.08E-01
TOTAL WEIGHTS:				1.09E+04								5.76E+04	6.85E+04

CPP-13

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
 DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

MIXED WASTE GENERATED BY CPP
FOR January - December 1992

RPT 1411-I
CPP

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 601													
Gross Volumes:					5.22E-01								5.22E-01
Gross Weights:					1.71E+05								1.71E+05
BLDG 637													
Gross Volumes:					1.67E+00								1.67E+00
Gross Weights:					5.08E+05								5.08E+05
TOTAL VOLUMES:					2.19E+00								2.19E+00
TOTAL WEIGHTS:					6.79E+05								6.79E+05

CPP-14

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CONTAINMENT TEST FACILITY, 1992 DETAIL DATA

Report 165—CTF Liquid Disposed Substances Summary	CTF-3
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25-JUN-93

CTF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 165-I
CTF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
JANITORIAL SUPPLIES WEIGHT (KGS)	24												24

CTF-3

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

CTF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 165-1
CTF

RELEASE POINT DESCRIPTION															ANNUAL TOT
SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			VOL/WEIGHT
															AVG CONC
CTF-DISPOSAL POND															
VOLUME (1000 L)															2,877
PH															
JANITORIAL SUPPLIES															
CONC. (MG/L)															8.20
WEIGHT (KGS)															24

CTF-4

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

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FOR JANUARY THROUGH DECEMBER 1992
CTF WATER USAGE AND DISPOSAL SUMMARY

RPT 167-I
CTF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
632 WATER PUMPED (L)	1,633												1,633
639 WATER PUMPED (L)	1,333												1,333
WATER PUMPED (L)	2,965												2,965
WATER DISPOSED													
AIR (L)													
SURFACE (L)	2,877												2,877
SUBSURFACE (L)													
SEWAGE DATA													
736 BUILD VOL (L)	76												76
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL													
TOTAL SEWAGE(L)	76												76
TOTAL WATER DISPOSED(L)	2,953												2,953

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

CTF-5

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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19-JUN-93

FOR JANUARY THROUGH DECEMBER 1992
CTF WATER USAGE AND DISPOSAL SUMMARY

RPT 167-I
CTF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
ACCOUNTABILITY (%)	99.6												99.6

CTF-6

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

INEL ELECTRONIC TECHNOLOGY CENTER, 1992 DETAIL DATA

Report 10—Hazardous Waste Generated By IET For January–December
1992 IET-3

INEL Electronic
Technology Center 1992
Detail Data

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HAZARDOUS WASTE GENERATED BY IET
FOR January - December 1992

RPT 10-1
IET

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG IET													
Gross Volumes:												2.27E-01	2.27E-01
Gross Weights:												8.94E+04	8.94E+04
TOTAL VOLUMES:												2.27E-01	2.27E-01
TOTAL WEIGHTS:												8.94E+04	8.94E+04

IET-3

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL RESEARCH CENTER, 1992 DETAIL DATA

Report 10—Hazardous Waste Generated By IRC For January–December
1992 IRC-3

Report 11—Mixed Waste Generated By IRC For January–December 1992 IRC-4

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HAZARDOUS WASTE GENERATED BY IRC
 FOR January - December 1992

RPT 10-1
 IRC

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG IFC													
Gross Volumes:	2.40E+00			1.36E+00	1.14E-01		1.78E+00	4.96E+00				2.11E-01	1.08E+01
Gross Weights:	7.07E+05			5.42E+05	7.76E+04		1.09E+06	2.61E+06				1.27E+05	5.15E+06
BLDG N/A													
Gross Volumes:	3.03E-02												3.03E-02
Gross Weights:	6.35E+03												6.35E+03
TOTAL VOLUMES:	2.43E+00			1.36E+00	1.14E-01		1.78E+00	4.96E+00				2.11E-01	1.08E+01
TOTAL WEIGHTS:	7.13E+05			5.42E+05	7.76E+04		1.09E+06	2.61E+06				1.27E+05	5.16E+06

IRC-3

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
 DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

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IDAHO OPERATIONS OFFICE
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19-JUN-93

MIXED WASTE GENERATED BY IRC
FOR January - December 1992

RPT 11-I
IRC

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 1FC													
Gross Volumes:					3.22E-01								3.22E-01
Gross Weights:					2.30E+05								2.30E+05
TOTAL VOLUMES:					3.22E-01								3.22E-01
TOTAL WEIGHTS:					2.30E+05								2.30E+05

IRC-4

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

**MAGNETOHYDRODYNAMICS COMPONENT DEVELOPMENT,
1992 DETAIL DATA**

Report 176—MHD Landfill Solid Disposed Waste Summary MHD-3

Report 177—MHD Water Usage And Disposal Summary For January
Through December 1992 MHD-4

Report 178—MHD Fuel Oil Usage And Stack Effluents Summary MHD-6

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FOR JANUARY THROUGH DECEMBER 1992

19-JUN-93

MHD LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 176-1
MHD

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TRASH, SWEEPINGS, ETC.	73.4	73.4											146.8
GRAND TOTALS:	73.4	73.4											146.8

MHD-3

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

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FOR JANUARY THROUGH DECEMBER 1992
MHD WATER USAGE AND DISPOSAL SUMMARY

RPT 177-1
MHD

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
N/A WATER PUMPED (L)	312	388											700
WATER PUMPED (L)	312	388											700
WATER DISPOSED													
AIR (L)	32	26											58
SURFACE (L)	280	361											642
SUBSURFACE (L)													
SEWAGE DATA													
BUILD VOL (L)													
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL													
TOTAL SEWAGE(L)													
TOTAL WATER DISPOSED(L)	312	388											700

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

MHD-4

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UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

FOR JANUARY THROUGH DECEMBER 1992
MHD WATER USAGE AND DISPOSAL SUMMARY

RPT 177-1
MHD

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
ACCOUNTABILITY (%)	100.0	100.0											100.0

MHD-5

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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19-JUN-93

MHD FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 178-I
MHD

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	10	1											11
SO2 (KGS)	0	0											0
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	10	1											11
SO2 (KGS)	0	0											0
NOX (KGS)													
PARTICULATES (KGS)													

MHD-6

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

NAVAL REACTORS FACILITY, 1992 DETAIL DATA

Report 184—NRF Airborne Release Point And Disposed Substances Summary	NRF-3
Report 185—NRF Liquid Disposed Substances Summary	NRF-4
Report 185—NRF Release Point And Liquid Disposed Substances Summary ...	NRF-5
Report 186—NRF Landfill Solid Disposed Waste Summary	NRF-7
Report 187—NRF Water Usage And Disposal Summary For January Through December 1992	NRF-8
Report 188—NRF Fuel Oil Usage And Stack Effluents Summary	NRF-10
Report 1810—Hazardous Waste Generated By NRF For January–December 1992	NRF-11

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25-JUN-93

NRF AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 184-I
NRF

RELEASE POINT DESCRIPTION													ANNUAL TOT
SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	VOL/WEIGHT AVG CONC
COOLING TOWERS													
VOLUME (1000 CM)	37	21	29	27	49	35	17	48	117	1	18	11	409

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

NRF-3

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NRF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 185-I
NRF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
BENZOTRIAZOLE WEIGHT (KGS)	9	19	13	14	13	16	11	20	19	18	46	25	224
CALCIUM ION WEIGHT (KGS)	443	30	26	42	17	23	23	28	32	11	9	9	691
CHLORIDE ION WEIGHT (KGS)	9,385	23,613	11,567	7,387	8,884	21,085	10,782	13,454	15,278	11,213	10,167	11,752	154,567
HYPOCHLORITE ION WEIGHT (KGS)	1,137	78	66	108	43	59	58	72	82	27	24	23	1,776
PHOSPHATE ION WEIGHT (KGS)	44	113	52	82	75	73	47	105	127	32	47	62	858
SODIUM HYDROXIDE WEIGHT (KGS)	27	57	40	43	38	49	33	60	56	54	139	74	671
SODIUM ION WEIGHT (KGS)	9,037	12,960	11,385	5,319	4,585	7,797	9,118	6,178	7,156	5,068	7,117	6,305	92,023
SULFATE ION WEIGHT (KGS)	4,678	15,980	16,439	11,032	11,922	17,627	9,233	27,464	47,382	13,365	11,571	20,873	207,566

NRF-4

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
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NRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 185-1
NRF

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEWAGE POND VOLUME (1000 L) PH	SURFACE 3,541 9.9	4,281 9.5	4,667 10.3	4,005 8.9	5,489 9.6	4,868 10.8	5,750 9.7	6,590 10.6	4,524 11.0	4,009 11.3	4,069 8.9	4,342	56,136 10.0
WASTE DITCH VOLUME (1000 L) PH	SURFACE 29,057 7.9	41,942 7.8	45,538 7.9	49,248 7.9	46,030 7.5	67,797 7.6	57,349 7.6	79,607 7.7	64,465 7.6	56,630 8.0	48,415 7.8	61,210 7.6	647,288 7.7
BENZOTRIAZOLE CONC. (MG/L) WEIGHT (KGS)	0.31 9	0.45 19	0.30 13	0.29 14	0.28 13	0.24 16	0.19 11	0.25 20	0.29 19	0.32 18	0.96 46	0.40 25	0.35 224
CALCIUM ION CONC. (MG/L) WEIGHT (KGS)	15.24 443	0.72 30	0.56 26	0.85 42	0.36 17	0.34 23	0.39 23	0.35 28	0.49 32	0.19 11	0.19 9	0.15 9	1.07 691
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)	323.00 9,385	563.00 23,613	254.00 11,567	150.00 7,387	193.00 8,884	311.00 21,085	188.00 10,782	169.00 13,454	237.00 15,278	198.00 11,213	210.00 10,167	192.00 11,752	238.79 154,567
HYPOCHLORITE ION CONC. (MG/L) WEIGHT (KGS)	39.14 1,137	1.85 78	1.45 66	2.18 108	0.93 43	0.87 59	1.01 58	0.90 72	1.27 82	0.48 27	0.49 24	0.38 23	2.74 1,776
PHOSPHATE ION CONC. (MG/L) WEIGHT (KGS)	1.50 44	2.70 113	1.13 52	1.66 82	1.64 75	1.08 73	0.82 47	1.31 105	1.97 127	0.57 32	0.96 47	1.02 62	1.33 858
SODIUM HYDROXIDE CONC. (MG/L) WEIGHT (KGS)	0.92 27	1.36 57	0.89 40	0.88 43	0.84 38	0.72 49	0.57 33	0.75 60	0.87 56	0.96 54	2.87 139	1.21 74	1.04 671

NRF-5

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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NRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 185-1
NRF

RELEASE POINT DESCRIPTION													ANNUAL TOT
SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	VOL/WEIGHT AVG CONC
WASTE DITCH	SURFACE												
SODIUM ION													
CONC. (MG/L)	311.00	309.00	250.00	108.00	99.60	115.00	159.00	77.60	111.00	89.50	147.00	103.00	142.17
WEIGHT (KGS)	9,037	12,960	11,385	5,319	4,585	7,797	9,118	6,178	7,156	5,068	7,117	6,305	92,023
SULFATE ION													
CONC. (MG/L)	161.00	381.00	361.00	224.00	259.00	260.00	161.00	345.00	735.00	236.00	239.00	341.00	320.67
WEIGHT (KGS)	4,678	15,980	16,439	11,032	11,922	17,627	9,233	27,464	47,382	13,365	11,571	20,873	207,566

NRF-6

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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19-JUN-93

NRF LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 186-I
NRF

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS	58.9	30.6							39.8	36.7	4.6	36.7	207.2
ASPHALT		2.3	12.2	17.2	14.5	6.1	39.0			3.8			95.2
CAFETERIA GARBAGE	138.4	110.1	136.9	113.2	104.0	71.9	117.7	102.5	119.3	126.9	117.7	85.6	1,344.2
DIRT AND GRAVEL		3.1	1.5	23.7	0.8	172.8	26.8	1.5		343.3	45.9	109.3	728.7
MASONRY AND CONCRETE				0.4	16.8	25.2	6.9			22.9			72.3
SCRAP METAL	61.6	26.0	20.6	22.9	12.2	16.8	10.7	10.7	30.2	28.3	16.8		256.9
TRASH, SWEEPINGS, ETC.	1,382.0	849.5	881.6	911.0	724.8	841.1	874.3	831.1	709.5	732.5	682.8	594.1	10,014.3
WEEDS, GRASS AND TREES							15.3		15.3				30.6
WOOD AND SCRAP LUMBER	52.8	23.7	48.2	44.7	21.4	12.2	26.8	24.5	39.8	31.3	18.4	21.4	365.1
4 GALLON OF SOLID PAINT		0.4											0.4
BOXES OF ASHES					18.4								18.4
PLASTIC COATED FLUORESC										6.1			6.1
PLASTIC DRUMS		2.3											2.3
RAGS	2.3												2.3
SHREDDER DUMPSTER	6.1												6.1
GRAND TOTALS:	1,702.0	1,047.9	1,101.0	1,133.1	912.9	1,146.1	1,117.5	970.3	953.8	1,331.9	886.2	847.2	13,150.0

NRF-7

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

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FOR JANUARY THROUGH DECEMBER 1992
NRF WATER USAGE AND DISPOSAL SUMMARY

RPT 187-I
NRF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
001 WATER PUMPED (L)	276	8	197	3,392	5,061	19,071	10,372	8	212	19	11	216	38,842
002 WATER PUMPED (L)	47,885	50,308	45,879	39,860	78,661	51,974	30,946	85,399	74,307	49,172	41,299	71,658	667,347
003 WATER PUMPED (L)	1,136	38	53	413	38	462	23	30	314	250	8	45	2,809
004 WATER PUMPED (L)	20,188	16,436	33,130	36,514	16,470	36,279	39,103	48,605	110,988	10,228	29,072	4,913	401,926
WATER PUMPED (L)	69,485	66,790	79,259	80,179	100,230	107,785	80,444	134,041	185,822	59,669	70,390	76,832	1,110,924
WATER DISPOSED													
AIR (L)	36,885	20,532	29,053	26,895	48,718	35,125	17,318	47,847	116,817	996	17,894	11,269	409,350
SURFACE (L)	29,057	41,942	45,538	49,248	46,030	67,797	57,349	79,607	64,465	56,630	48,415	61,210	647,288
SUBSURFACE (L)													
SEWAGE DATA													
722 BUILD VOL (L)	3,541	4,281	4,667	4,005	5,489	4,868	5,750	6,590	4,524	4,009	4,069	4,342	56,136
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)	77.0	14.0	48.0		28.0	24.0		33.0	21.0		23.0		33.5
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)	1.5	3.7	23.6	5.1	6.7	1.6	16.1	23.9	11.4	18.1	8.1		10.9
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL	9.9	9.5	10.3	8.9	9.6	10.8	9.7	10.6	11.0	11.3	8.9		10.0
TOTAL SEWAGE(L)	3,541	4,281	4,667	4,005	5,489	4,868	5,750	6,590	4,524	4,009	4,069	4,342	56,136

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

FOR JANUARY THROUGH DECEMBER 1992
NRF WATER USAGE AND DISPOSAL SUMMARY

RPT 187-I
NRF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
TOTAL WATER DISPOSED(L)	69,483	66,756	79,259	80,148	100,237	107,789	80,417	134,045	185,806	61,635	70,378	76,821	1,112,774
ACCOUNTABILITY (%)	100.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	103.3	100.0	100.0	100.2

NRF-9

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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IDAHO OPERATIONS OFFICE
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19-JUN-93

NRF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 188-I
NRF

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 5													
VOLUME (LITERS)	471	378	290	131	19				23	182	386	481	2,361
SO2 (KGS)	0	5	8	4	1				1	4	5	9	35
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	471	378	290	131	19				23	182	386	481	2,361
SO2 (KGS)	0	5	8	4	1				1	4	5	9	35
NOX (KGS)													
PARTICULATES (KGS)													

NRF-10

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

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HAZARDOUS WASTE GENERATED BY NRF
FOR January - December 1992

RPT 1810-I
NRF

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 601													
Gross Volumes:						2.08E-01							2.08E-01
Gross Weights:						2.32E+05							2.32E+05
BLDG 636													
Gross Volumes:							5.22E-01						5.22E-01
Gross Weights:							3.61E+05						3.61E+05
BLDG A1W													
Gross Volumes:	3.46E+00		1.07E+00		1.08E+00		2.72E+00	1.38E+00		1.79E+00		8.93E-01	1.24E+01
Gross Weights:	3.17E+06		7.37E+05		7.70E+05		1.82E+06	8.18E+05		1.29E+06		7.25E+05	9.32E+06
BLDG ECF													
Gross Volumes:	1.14E-01				4.28E-01							1.14E-01	6.55E-01
Gross Weights:	4.99E+04				2.74E+05							4.85E+04	3.73E+05
BLDG PRD													
Gross Volumes:	1.44E-01		3.41E-01			1.30E+00		4.19E+00		3.41E-01		1.47E+00	7.78E+00
Gross Weights:	8.35E+04		1.70E+05			1.45E+06		3.23E+06		1.64E+05		8.56E+05	5.95E+06
BLDG QAR													
Gross Volumes:	3.14E-01		6.28E-01					6.28E-01					1.57E+00
Gross Weights:	2.22E+05		4.48E+05					4.62E+05					1.13E+06
BLDG S1W													
Gross Volumes:								1.21E-01					1.21E-01
Gross Weights:								9.12E+04					9.12E+04
BLDG S5G													
Gross Volumes:	4.35E-01		8.33E-01		5.98E-01			5.68E-01		2.27E-01		2.57E-01	2.92E+00
Gross Weights:	2.91E+05		3.46E+05		3.59E+05			3.61E+05		1.38E+05		1.58E+05	1.65E+06
BLDG TRN													
Gross Volumes:										3.14E-01			3.14E-01
Gross Weights:										2.03E+05			2.03E+05
TOTAL VOLUMES:	4.47E+00		2.87E+00		2.10E+00	1.51E+00	3.24E+00	6.89E+00		2.67E+00		2.73E+00	2.65E+01
TOTAL WEIGHTS:	3.81E+06		1.70E+06		1.40E+06	1.68E+06	2.18E+06	4.96E+06		1.79E+06		1.79E+06	1.93E+07

NRF-11

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

POWER BURST FACILITY, 1992 DETAIL DATA

Report 195—PBF Liquid Disposed Substances Summary	PBF-3
Report 195—PBF Release Point And Liquid Disposed Substances Summary	PBF-4
Report 196—PBF Landfill Solid Disposed Waste Summary	PBF-6
Report 197—PBF Water Usage And Disposal Summary For January Through December 1992	PBF-7
Report 198—PBF Fuel Oil Usage And Stack Effluents Summary	PBF-9
Report 1910—Hazardous Waste Generated By PBF For January–December 1992	PBF-10

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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25-JUN-93

PBF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-1
PBF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)	0								0	0	0		1
JANITORIAL SUPPLIES WEIGHT (KGS)	12	7	8	8	10	9	9	11	11	9	6	12	57
POTASSIUM HYDROXIDE WEIGHT (KGS)	0								0	0	0		1
SODIUM ION WEIGHT (KGS)	0	0							0	0	0		1
SODIUM LIGNOSULFONATE WEIGHT (KGS)	0								0	0	0		1
SULFITE ION WEIGHT (KGS)	0	0							0				1

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

PBF-3

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-I
PBF

RELEASE POINT DESCRIPTION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
SUBSTANCE														
PBF-4	DRAINAGE BOILER VOLUME (1000 L) PH	SURFACE 4	4							4	4	4		19
	ETHYLENEDIAMINE TETRAACETIC ACID CONC. (MG/L) WEIGHT (KGS)	5.99 0								49.85 0	49.85 0	49.85 0		31.11 1
	POTASSIUM HYDROXIDE CONC. (MG/L) WEIGHT (KGS)	5.99 0								49.85 0	49.85 0	49.85 0		31.11 1
	SODIUM ION CONC. (MG/L) WEIGHT (KGS)	23.11 0	23.11 0							119.06 0	58.25 0	58.25 0		56.36 1
	SODIUM LIGNOSULFONATE CONC. (MG/L) WEIGHT (KGS)	5.99 0								49.85 0	49.85 0	49.85 0		31.11 1
	SULFITE ION CONC. (MG/L) WEIGHT (KGS)	40.20 0	40.20 0							80.43 0				32.17 1
	SEPTIC TANK (PBF) VOLUME (1000 L) PH	SUBSURFACE 305	308	503	96	157	147	1,132	904	593	383	390	285	5,205
	JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)	19.31 6	11.77 4	6.76 3	35.35 3	28.86 5	36.98 5	4.81 5	5.02 5	7.65 5	11.83 5	6.97 3	23.04 7	10.50 55
	SEPTIC TANK (WERF)	SUBSURFACE												

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-1
PBF

-----													ANNUAL TOT
RELEASE POINT DESCRIPTION													VOL/WEIGHT
SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG CONC
-----													-----
SEPTIC TANK (WERF)	SUBSURFACE												
VOLUME (1000 L)	153	154	252	48	79	74	377	452	296	192	195	571	2,841
PH													
JANITORIAL SUPPLIES													
CONC. (MG/L)	41.59	23.54	18.04	94.28	69.26	43.15	8.43	14.05	21.43	23.66	16.28	9.54	19.96
WEIGHT (KGS)	6	4	5	5	5	3	3	6	6	5	3	5	57

PBF-5

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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IDAHO OPERATIONS OFFICE
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 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
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19-JUN-93

PBF LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 196-1
 PBF

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS	2.7								0.8				3.4
ASPHALT							1.5						1.5
CAFETERIA GARBAGE			12.2										12.2
DIRT AND GRAVEL			1.1										1.1
MASONRY AND CONCRETE				1.5					1.9				3.4
SCRAP METAL	0.8		4.6	1.1			0.8	12.6	1.1	1.9	0.4	1.5	24.8
TRASH, SWEEPINGS, ETC.	63.5	45.9	52.0	66.5	61.6	41.7	45.9	39.0	52.0	61.9	49.7	58.1	637.7
WEEDS, GRASS AND TREES			0.4			2.3	0.8		9.2				12.6
WOOD AND SCRAP LUMBER	1.5	0.4		0.8	2.3	7.6	1.5	2.7	9.9	9.6			36.3
PLASTIC	0.4												0.4
GRAND TOTALS:	68.8	46.3	70.3	70.0	63.8	51.6	50.5	54.3	74.9	73.4	50.1	59.6	733.6

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

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IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

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FOR JANUARY THROUGH DECEMBER 1992
 PBF WATER USAGE AND DISPOSAL SUMMARY

RPT 197-1
 PBF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
001 WATER PUMPED (L)	648	340	613	110	1,524	329	1,495	610	929	712	397	418	8,124
002 WATER PUMPED (L)	200	517	784	157	2,842	80	598	1,901	717	354	686	1,169	10,005
WATER PUMPED (L)	848	857	1,397	267	4,366	409	2,093	2,511	1,646	1,065	1,084	1,586	18,129
WATER DISPOSED													
AIR (L)													
SURFACE (L)	254	257	419	80	1,308	123	628	753	494	320	325	476	5,437
SUBSURFACE (L)													
SEWAGE DATA													
619 BUILD VOL (L)	153	154	252	48	786	74	377	452	296	192	195	285	3,263
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL													

PBF-7

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
 0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

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FOR JANUARY THROUGH DECEMBER 1992
 PBF WATER USAGE AND DISPOSAL SUMMARY

RPT 197-1
 PBF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
620 BUILD VOL (L)	305	308	503	96	1,572	147	753	904	593	383	390	571	6,527
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL													
TOTAL SEWAGE(L)	458	463	755	144	2,358	221	1,130	1,356	889	575	585	856	9,790
TOTAL WATER DISPOSED(L)	713	720	1,174	225	3,666	343	1,758	2,109	1,383	895	910	1,332	15,227
ACCOUNTABILITY (%)	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0

PBF-8

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
 0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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19-JUN-93

PBF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 198-I
PBF

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	20	19	9	7								10	64
SO2 (KGS)	0	0	0	0								0	0
NOX (KGS)													
PARTICULATES (KGS)													
DIESEL													
VOLUME (LITERS)								0					0
SO2 (KGS)								0					0
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	20	19	9	7				0				10	64
SO2 (KGS)	0	0	0	0				0				0	0
NOX (KGS)													
PARTICULATES (KGS)													

PBF-9

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

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HAZARDOUS WASTE GENERATED BY PBF
FOR January - December 1992

RPT 1910-1
PBF

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 601													
Gross Volumes:						2.08E-01							2.08E-01
Gross Weights:						5.26E+04							5.26E+04
BLDG WED													
Gross Volumes:				2.08E-01								2.55E-01	4.63E-01
Gross Weights:				4.54E+04								3.92E+05	4.37E+05
TOTAL VOLUMES:				2.08E-01		2.08E-01						2.55E-01	6.71E-01
TOTAL WEIGHTS:				4.54E+04		5.26E+04						3.92E+05	4.90E+05

PBF-10

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

MIXED WASTE GENERATED BY PBF
FOR January - December 1992

RPT 1911-I
PBF

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG WED													
Gross Volumes:				3.03E-02									3.03E-02
Gross Weights:				4.35E+04									4.35E+04
TOTAL VOLUMES:				3.03E-02									3.03E-02
TOTAL WEIGHTS:				4.35E+04									4.35E+04

PBF-11

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

PROTECTION TECHNOLOGY IDAHO, 1992 DETAIL DATA

Report 10—Hazardous Waste Generated By PTI For
January–December 1992

PTI-3

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

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HAZARDOUS WASTE GENERATED BY PTI
FOR January - December 1992

RPT 10-I
PTI

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 608													
Gross Volumes:										3.46E+00		1.87E+00	5.34E+00
Gross Weights:										4.08E+05		1.63E+06	2.04E+06
TOTAL VOLUMES:										3.46E+00		1.87E+00	5.34E+00
TOTAL WEIGHTS:										4.08E+05		1.63E+06	2.04E+06

PTI-3

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

POTABLE WATER TREATMENT UNIT, 1992 DETAIL DATA

Report 305—PWT Release Point And Liquid Disposed

Substances Summary PWT-3

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UNITED STATES DEPARTMENT OF ENERGY
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PWT RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 305-I
PWT

RELEASE POINT DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
DISPOSAL POND VOLUME (1000 L) PH	SURFACE				41	82	345	286	87	136	12	8	998

PWT-3

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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WMC LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 256-I
WMC

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS									0.8				0.8
MASONRY AND CONCRETE			0.4							0.4			0.8
SCRAP METAL		3.1		5.7	0.4	2.1		9.2	3.4	1.9		0.8	26.6
TRASH, SWEEPINGS, ETC.	53.5	111.6	59.3	45.9	38.2	33.3	57.3	58.1	24.5	94.8	35.6	82.6	694.6
WOOD AND SCRAP LUMBER		0.4		2.3		1.0	3.4	8.0	9.2	1.5	1.5	0.4	27.7
COLOR CODED MATERIAL		1.9											1.9
FIBER GLASS BOXES & PLY	0.8												0.8
FIBER GLASS; SHOVEL		0.4											0.4
GRAND TOTALS:	54.3	117.4	59.6	53.9	38.6	36.3	60.8	75.3	37.8	98.6	37.1	83.7	753.5

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

WMC-3

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IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

FOR JANUARY THROUGH DECEMBER 1992
 WMC WATER USAGE AND DISPOSAL SUMMARY

RPT 257-I
 WMC

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
WMC WATER PUMPED (L)	222	74	400	74,512	75,329	545	1,415	1,384	2,132	729	53	365	157,161
WATER PUMPED (L)	222	74	400	74,512	75,329	545	1,415	1,384	2,132	729	53	365	157,161
WATER DISPOSED													
AIR (L)													
SURFACE (L)													
SUBSURFACE (L)													
SEWAGE DATA													
WMC BUILD VOL (L)	20	67	360	224	678	65	70	65	107	89	7	62	1,814
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL													
TOTAL SEWAGE(L)	20	67	360	224	678	65	70	65	107	89	7	62	1,814
TOTAL WATER DISPOSED(L)	20	67	360	224	678	65	70	65	107	89	7	62	1,814

WMC-4

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
 0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

FOR JANUARY THROUGH DECEMBER 1992
WMC WATER USAGE AND DISPOSAL SUMMARY

RPT 257-1
WMC

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
ACCOUNTABILITY (%)	9.0	90.0	90.0	0.3	0.9	12.0	4.9	4.7	5.0	12.2	13.0	17.1	1.2

WMC-5

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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IDAHO OPERATIONS OFFICE
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INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

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MIXED WASTE GENERATED BY WMC
FOR January - December 1992

RPT 2511-I
WMC

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 601													
Gross Volumes:					6.28E-01								6.28E-01
Gross Weights:					2.43E+05								2.43E+05
TOTAL VOLUMES:					6.28E-01								6.28E-01
TOTAL WEIGHTS:					2.43E+05								2.43E+05

WMC-6

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SL1 REACTOR, 1992 DETAIL DATA

Report 10—Hazardous Waste Generated By SLR for January–
December 1992 SLR-3

Report 11—Mixed Waste Generated by SLR For January–
December 1992 SLR-4

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NGRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

HAZARDOUS WASTE GENERATED BY SLR
FOR January - December 1992

RPT 10-1
SLR

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG N/A													
Gross Volumes:					6.28E-01								6.28E-01
Gross Weights:					1.97E+05								1.97E+05
 TOTAL VOLUMES:					6.28E-01								6.28E-01
TOTAL WEIGHTS:					1.97E+05								1.97E+05

SLR-3

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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19-JUN-93

MIXED WASTE GENERATED BY SLR
FOR January - December 1992

RPT 11-I
SLR

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG N/A													
Gross Volumes:					1.26E+00								1.26E+00
Gross Weights:					6.46E+05								6.46E+05
 TOTAL VOLUMES:					1.26E+00								1.26E+00
TOTAL WEIGHTS:					6.46E+05								6.46E+05

SLR-4

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SPECIAL MANUFACTURING CAPABILITY, 1992 DETAIL DATA

Report 278—SMC Fuel Oil Usage And Stack Effluents Summary SMC-3

Special Manufacturing
Capability 1992 Detail
Data

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
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 FOR JANUARY THROUGH DECEMBER 1992

19-JUN-93

SMC FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 278-1
 SMC

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)					108	93	66	67	113	118	245	303	1,114
SO2 (KGS)					1	1	0	0	1	1	1	2	6
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)					108	93	66	67	113	118	245	303	1,114
SO2 (KGS)					1	1	0	0	1	1	1	2	6
NOX (KGS)													
PARTICULATES (KGS)													

SMC-3

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5

TEST AREA NORTH, 1992 DETAIL DATA

Report 216—TAN Landfill Solid Disposed Waste Summary TAN-3

Report 2110—Hazardous Waste Generated By TAN For January–December
1992 TAN-4

Report 2111—Mixed Waste Generated By TAN For January–December
1992 TAN-5

IDAHO OPERATIONS OFFICE
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 FOR JANUARY THROUGH DECEMBER 1992

19-JUN-93

TAN LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 216-I
 TAN

(ALL VOLUMES = CUBIC METERS)

TAN-3

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS		3.1	24.5										27.5
ASPHALT					0.8		3.8	27.5	6.9	8.0			47.0
CAFETERIA GARBAGE				6.1		6.1							12.2
DIRT AND GRAVEL			3.8		8.8	0.8		11.5	81.0	45.1	19.1		170.1
MASONRY AND CONCRETE					3.1		4.2	2.3	19.1	0.4	6.9		35.9
SCRAP METAL	16.1	18.4	36.7	12.6	3.1	29.1	29.4	9.9	28.7	6.9	24.5	6.1	221.4
TRASH, SWEEPINGS, ETC.	391.9	226.3	265.3	251.9	152.9	239.7	210.3	218.7	235.9	265.3	185.4	172.0	2,815.6
WEEDS, GRASS AND TREES			3.8				6.1		11.5		1.5		22.9
WOOD AND SCRAP LUMBER	0.4	39.8	23.7		22.9	11.5	27.9	39.8	7.6	64.2	9.2		247.0
AIR DRYER DESICANT												0.4	0.4
CRUSHED FLUORESCENT TUB									0.4				0.4
ELECTRICAL TRANSFORMERS	0.4												0.4
FIBERGLASS									6.1				6.1
OILY RAGS	0.4									0.8			1.1
OILY RAGS; FLUORESCENT		1.1											1.1
SHREDDED BULBS; SODIUM	0.8												0.8
SHREDDED FLUORESCENT LI						0.8							0.8
SHREDDED LIGHT BULBS		0.4											0.4
GRAND TOTALS:	409.8	289.0	357.8	270.7	191.5	287.9	281.8	309.7	397.2	390.7	246.6	178.5	3,611.2

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

HAZARDOUS WASTE GENERATED BY TAN
FOR January - December 1992

RPT 2110-I
TAN

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 602													
Gross Volumes:								1.14E-01					1.14E-01
Gross Weights:								1.81E+04					1.81E+04
BLDG 603													
Gross Volumes:			1.14E-01										1.14E-01
Gross Weights:			1.72E+04										1.72E+04
BLDG 604													
Gross Volumes:												9.14E+00	9.14E+00
Gross Weights:												6.65E+06	6.65E+06
BLDG 607													
Gross Volumes:	2.08E-01												2.08E-01
Gross Weights:	1.36E+05												1.36E+05
BLDG 650													
Gross Volumes:										2.27E-01			2.27E-01
Gross Weights:										1.33E+05			1.33E+05
BLDG 653													
Gross Volumes:			2.27E-01										2.27E-01
Gross Weights:			1.71E+05										1.71E+05
TOTAL VOLUMES:	2.08E-01		3.41E-01					1.14E-01		2.27E-01		9.14E+00	1.00E+01
TOTAL WEIGHTS:	1.36E+05		1.88E+05					1.81E+04		1.33E+05		6.65E+06	7.12E+06

TAN-4

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

MIXED WASTE GENERATED BY TAN
FOR January - December 1992

RPT 2111-1
TAN

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG CTF													
Gross Volumes:									8.33E-01				8.33E-01
Gross Weights:									8.10E+05				8.10E+05
TOTAL VOLUMES:									8.33E-01				8.33E-01
TOTAL WEIGHTS:									8.10E+05				8.10E+05

TAN-5

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TEST REACTOR AREA, 1992 DETAIL DATA

Report 235—TRA Liquid Disposed Substances Summary	TRA-3
Report 235—TRA Release Point And Liquid Disposed Substances Summary ...	TRA-5
Report 236—TRA Landfill Solid Disposed Waste Summary	TRA-9
Report 237—TRA Water Usage And Disposal Summary For January Through December 1992	TRA-10
Report 238—TRA Fuel Oil Usage And Stack Effluents Summary	TRA-12
Report 2310—Hazardous Waste Generated By TRA For January–December 1992	TRA-13
Report 2311—Mixed Waste Generated By TRA For January–December 1992	TRA-14

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

TRA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-1
TRA

TRA-3

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
(1-HYDROXYETHYLIDENE)BISPHOSPHONIC WEIGHT (KGS)	90	211	70	242	83	158	31	147	146	50	115	135	1,479
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN WEIGHT (KGS)	19	39	19	39	19	39	19	26	45	26	32	39	362
ACRYLIC POLYMER WEIGHT (KGS)	70	156	44	194	54	144	190	116	102	130	90	144	1,434
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE WEIGHT (KGS)	51	71	26	102	77	77	51	77	77	51	51	77	785
CHLORIDE ION WEIGHT (KGS)	40	40	40	50	40	40	50	40	40	50	40	50	515
DODECYLGUANIDINE HYDROCHLORIDE WEIGHT (KGS)	31	43	15	61	46	46	31	46	46	31	31	46	471
ETHYL ALCOHOL WEIGHT (KGS)	10	14	5	20	15	15	10	15	15	10	10	15	157
IMPURITY WEIGHT (KGS)	1	2	1	2	1	2	1	1	2	1	2	2	19
ISOPROPYL ALCOHOL WEIGHT (KGS)	10	14	5	20	15	15	10	15	15	10	10	15	157
METHYLENE BIS(THIOCYANATE) WEIGHT (KGS)	10	14	5	20	15	15	10	15	15	10	10	15	157
PHOSPHATE ION WEIGHT (KGS)	147	0	0	20	25	109	49	56	272	85	81	116	960
POLYALKYLENE GLYCOL WEIGHT (KGS)	133	184	66	265	199	199	133	199	199	133	133	199	2,042
POTASSIUM HYDROXIDE WEIGHT (KGS)	90	211	70	242	83	158	31	147	146	50	115	135	1,479

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

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IDAHO OPERATIONS OFFICE
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 FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

TRA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-I
 TRA

TRA-4

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
SILICONE EMULSION WEIGHT (KGS)	2	3	1	4	3	3	2	3	3	2	2	3	31
SODIUM HYDROXIDE WEIGHT (KGS)	2	3	1	4	3	3	2	3	3	2	2	3	31
SODIUM ION WEIGHT (KGS)	2,430	5,941	8,697	2,311	8,837	6,028	15,653	11,543	8,138	10,461	5,120	7,186	334
SODIUM TOLYTRIAZOLE WEIGHT (KGS)	90	211	70	242	83	158	31	147	146	50	115	135	1,479
SULFATE ION WEIGHT (KGS)	21,980	34,242	15,660	42,079	17,849	31,364	31,679	27,388	35,229	26,508	25,161	31,042	165,302
TDS WEIGHT (KGS)	25,719	18,640	15,149	17,840	19,731	23,444	37,694	39,984	23,916	16,229	14,032	14,717	267,095
TETRAPOTASSIUM PYROPHOSPHATE WEIGHT (KGS)	224	527	176	605	207	394	78	369	364	126	288	339	3,696
TOTAL HARDNESS WEIGHT (KGS)	14,807	12,202	9,112	5,048	4,949	8,957	9,484	24,380	22,181	11,148	9,239	17,400	148,906
TRIBUTYL TIN OXIDE WEIGHT (KGS)	10	14	5	20	15	15	10	15	15	10	10	15	157

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-1
TRA

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT
													VOL/WEIGHT AVG CONC
CHEMICAL WASTE POND VOLUME (1000 L) PH	SURFACE 2,305	2,040	2,623	2,828	2,146	2,358	4,262	3,312	2,729	2,990	2,093	2,616	32,305
SODIUM ION CONC. (MG/L) WEIGHT (KGS)	1042.89 2,404	2899.43 5,916	3305.71 8,672	806.05 2,279	4105.08 8,811	2544.99 6,002	3664.86 15,621	3477.29 11,518	2972.16 8,112	3487.39 10,429	2433.55 5,094	2734.86 7,154	2,848.23 92,011
SULFATE ION CONC. (MG/L) WEIGHT (KGS)	6701.49 15,449	7123.04 14,533	3219.50 8,446	5001.61 14,143	4635.91 9,950	6368.81 15,020	5242.27 22,344	5031.45 16,665	8067.04 22,017	3067.28 9,173	6024.80 12,612	5553.80 14,527	5,413.45 174,879
COLD WASTE POND VOLUME (1000 L) PH	SURFACE 36,741	28,114	22,610	28,682 7.9	31,722 7.3	38,944 7.8	60,797 7.3	47,431 7.8	46,894	70,560 8.0	57,746 7.8	72,498 7.7	542,739 7.7
(1-HYDROXYETHYLIDENE)BISPHOSPHONIC CONC. (MG/L) WEIGHT (KGS)	2.44 90	7.50 211	3.11 70	8.44 242	2.61 83	4.05 158	0.51 31	3.11 147	3.11 146	0.71 50	1.99 115	1.87 135	2.72 1,479
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN CONC. (MG/L) WEIGHT (KGS)	0.53 19	1.38 39	0.86 19	1.35 39	0.61 19	1.00 39	0.32 19	0.55 26	0.96 45	0.37 26	0.56 32	0.53 39	0.67 362
ACRYLIC POLYMER CONC. (MG/L) WEIGHT (KGS)	1.90 70	5.56 156	1.95 44	6.76 194	1.72 54	3.69 144	3.12 190	2.45 116	2.18 102	1.85 130	1.56 90	1.98 144	2.64 1,434
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE CONC. (MG/L) WEIGHT (KGS)	1.39 51	2.52 71	1.13 26	3.56 102	2.41 77	1.97 77	0.84 51	1.61 77	1.63 77	0.72 51	0.88 51	1.06 77	1.45 785

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
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25-JUN-93

TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-1
TRA

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
COLD WASTE POND SURFACE													
CHLORIDE ION													
CONC. (MG/L)	1.08	1.41	1.75	1.73	1.25	1.02	0.81	0.84	0.85	0.70	0.69	0.68	0.95
WEIGHT (KGS)	40	40	40	50	40	40	50	40	40	50	40	50	515
DODECYLGUANIDINE HYDROCHLORIDE													
CONC. (MG/L)	0.83	1.51	0.68	2.13	1.45	1.18	0.50	0.97	0.98	0.43	0.53	0.63	0.87
WEIGHT (KGS)	31	43	15	61	46	46	31	46	46	31	31	46	471
ETHYL ALCOHOL													
CONC. (MG/L)	0.28	0.50	0.23	0.71	0.48	0.39	0.17	0.32	0.33	0.14	0.18	0.21	0.29
WEIGHT (KGS)	10	14	5	20	15	15	10	15	15	10	10	15	157
IMPURITY													
CONC. (MG/L)	0.03	0.07	0.05	0.07	0.03	0.05	0.02	0.03	0.05	0.02	0.03	0.03	0.04
WEIGHT (KGS)	1	2	1	2	1	2	1	1	2	1	2	2	19
ISOPROPYL ALCOHOL													
CONC. (MG/L)	0.28	0.50	0.23	0.71	0.48	0.39	0.17	0.32	0.33	0.14	0.18	0.21	0.29
WEIGHT (KGS)	10	14	5	20	15	15	10	15	15	10	10	15	157
METHYLENE BIS(THIOCYANATE)													
CONC. (MG/L)	0.28	0.50	0.23	0.71	0.48	0.39	0.17	0.32	0.33	0.14	0.18	0.21	0.29
WEIGHT (KGS)	10	14	5	20	15	15	10	15	15	10	10	15	157
PHOSPHATE ION													
CONC. (MG/L)	4.00	0.00	0.00	0.70	0.80	2.80	0.80	1.18	5.80	1.20	1.40	1.60	1.77
WEIGHT (KGS)	147	0	0	20	25	109	49	56	272	85	81	116	960
POLYALKYLENE GLYCOL													
CONC. (MG/L)	3.61	6.55	2.93	9.25	6.27	5.11	2.18	4.20	4.24	1.88	2.30	2.75	3.76
WEIGHT (KGS)	133	184	66	265	199	199	133	199	199	133	133	199	2,042

TRA-6

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
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TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-I
TRA

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
COLD WASTE POND SURFACE													
POTASSIUM HYDROXIDE													
CONC. (MG/L)	2.44	7.50	3.11	8.44	2.61	4.05	0.51	3.11	3.11	0.71	1.99	1.87	2.72
WEIGHT (KGS)	90	211	70	242	83	158	31	147	146	50	115	135	1,479
SILICONE EMULSION													
CONC. (MG/L)	0.06	0.10	0.05	0.14	0.10	0.08	0.03	0.06	0.07	0.03	0.04	0.04	0.06
WEIGHT (KGS)	2	3	1	4	3	3	2	3	3	2	2	3	31
SODIUM HYDROXIDE													
CONC. (MG/L)	0.06	0.10	0.05	0.14	0.10	0.08	0.03	0.06	0.07	0.03	0.04	0.04	0.06
WEIGHT (KGS)	2	3	1	4	3	3	2	3	3	2	2	3	31
SODIUM ION													
CONC. (MG/L)	0.70	0.91	1.14	1.12	0.81	0.66	0.53	0.54	0.55	0.45	0.44	0.44	0.61
WEIGHT (KGS)	26	26	26	32	26	26	32	26	26	32	26	32	334
SODIUM TOLYTRIAZOLE													
CONC. (MG/L)	2.44	7.50	3.11	8.44	2.61	4.05	0.51	3.11	3.11	0.71	1.99	1.87	2.72
WEIGHT (KGS)	90	211	70	242	83	158	31	147	146	50	115	135	1,479
SULFATE ION													
CONC. (MG/L)	177.75	701.02	319.09	973.98	249.00	419.68	153.54	226.07	281.74	245.69	217.31	227.80	304.57
WEIGHT (KGS)	6,531	19,708	7,215	27,936	7,899	16,344	9,335	10,723	13,212	17,336	12,549	16,515	165,302
TDS													
CONC. (MG/L)	700.00	663.00	670.00	622.00	622.00	602.00	620.00	843.00	510.00	230.00	243.00	203.00	492.12
WEIGHT (KGS)	25,719	18,640	15,149	17,840	19,731	23,444	37,694	39,984	23,916	16,229	14,032	14,717	267,095
TETRAPOTASSIUM PYROPHOSPHATE													
CONC. (MG/L)	6.10	18.76	7.77	21.10	6.52	10.12	1.28	7.77	7.77	1.79	4.98	4.67	6.81
WEIGHT (KGS)	224	527	176	605	207	394	78	369	364	126	288	339	3,696

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-1
TRA

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
COLD WASTE POND	SURFACE												
TOTAL HARDNESS													
CONC. (MG/L)	403.00	434.00	403.00	176.00	156.00	230.00	156.00	514.00	473.00	158.00	160.00	240.00	274.36
WEIGHT (KGS)	14,807	12,202	9,112	5,048	4,949	8,957	9,484	24,380	22,181	11,148	9,239	17,400	148,906
TRIBUTYL TIN OXIDE													
CONC. (MG/L)	0.28	0.50	0.23	0.71	0.48	0.39	0.17	0.32	0.33	0.14	0.18	0.21	0.29
WEIGHT (KGS)	10	14	5	20	15	15	10	15	15	10	10	15	157
COOLING TOWERS EVAP	AIRBORNE												
VOLUME (1000 L)	58,291	117,858	94,480	145,836	87,719	87,719	67,717	74,122	72,858	73,210	73,130	95,570	1,048,510
PH													
IRRIGATION	SURFACE												
VOLUME (1000 L)	4,380	49,721	15,687	46,114	30,722	87,098	68,947	42,525	35,511	43,456	23,859	25,657	473,678
PH													
RADIOACTIVE STREAM	SURFACE												
VOLUME (1000 L)	8,264	5,674	11,795	6,424	5,224	6,083	9,702	6,409	6,147	9,066	6,799	6,889	88,476
PH				6.2	6.1								6.2
SEWAGE PLANT	SURFACE												
VOLUME (1000 L)	4,732	3,729	4,349	3,494	3,184	3,456	3,808	4,770	3,891	4,395	3,664	3,982	47,454
PH		7.6	7.5	7.6	8.1	7.1	7.2	7.1	7.2		7.6	7.6	7.5

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1992

19-JUN-93

TRA LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 236-I
 TRA

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS											42.8		42.8
ASPHALT			7.6			0.4							8.0
DIRT AND GRAVEL									3.1				3.1
MASONRY AND CONCRETE							0.8		7.6				8.4
SCRAP METAL	6.1		6.1	6.1	6.1	9.2	6.1		13.0	6.1	0.8	6.1	65.8
TRASH, SWEEPINGS, ETC.	348.7	208.0	212.9	269.9	254.6	316.5	243.9	189.6	197.3	237.4	161.7	235.5	2,876.0
WEEDS, GRASS AND TREES					16.8		2.3	6.1	21.4				46.6
WOOD AND SCRAP LUMBER	43.6	24.5	65.0		6.9	42.8	1.5		6.1			6.1	196.5
CRUSHED FLOURESCENT LIG										0.4			0.4
CRUSHED FLUORESCENT LIG									0.4				0.4
CRUSHED FLUORESCENT TUB		0.8							0.8				1.5
EMPTY RESIN BARRELS	0.8												0.8
HERBECIDE CONTAINERS & RESIN	0.8												0.8
										2.7			2.7
GRAND TOTALS:	399.9	233.2	291.7	276.0	284.4	368.9	254.6	195.7	249.6	246.6	205.3	247.7	3,253.8

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DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

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IDAHO OPERATIONS OFFICE
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INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

FOR JANUARY THROUGH DECEMBER 1992
TRA WATER USAGE AND DISPOSAL SUMMARY

RPT 237-I
TRA

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
001 WATER PUMPED (L)	32,657	4,202				57,432	114,558	2,048				58,424	269,320
003 WATER PUMPED (L)							9,217	60,661					69,878
004 WATER PUMPED (L)	82,067	202,935	151,545	233,377	160,936	167,330	87,197	112,548	168,030	203,541	167,292	148,789	1,885,587
WATER PUMPED (L)	114,724	207,137	151,545	233,377	160,936	224,762	210,972	175,256	168,030	203,541	167,292	207,213	2,224,786
WATER DISPOSED													
AIR (L)	58,295	117,858	94,480	145,836	87,719	87,719	67,717	74,122	72,858	73,210	73,130	95,570	1,048,514
SURFACE (L)	51,671	85,550	52,715	84,047	73,217	137,043	143,255	101,135	95,173	130,331	94,162	111,643	1,159,941
SUBSURFACE (L)	0	0	0										0
SEWAGE DATA													
BUILD VOL (L)	4,732	3,729	4,349	3,494	3,184	3,456	3,808	4,770	3,891	4,395	3,664	3,982	47,454
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)		199.0	230.0	107.5	188.3	105.0	158.8	190.0	116.3	140.0	28.0	135.0	145.3
FINAL CONC. (MG/L)		24.8	26.0	23.5	27.7	25.5	20.5	22.8	58.5	16.0	86.0	18.5	31.8
% REMOVED		87.5	88.7	78.1	85.3	75.7	87.1	88.0	49.7	88.6	207.1	86.3	78.1
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)		2.3	2.7	2.3	2.1	2.5	2.0	2.5	2.9	3.3	3.7	3.7	2.7
FINAL CONC. (MG/L)		5.2	4.6	5.0	4.4	3.8	4.2	3.7	5.2	5.0	5.8	5.9	4.8
INCREASED FACTOR		1.3	0.7	1.2	1.1	0.5	1.1	0.5	0.8	0.5	0.6	0.6	0.8
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)		4.8	3.8	4.1	6.6	6.0	5.1	5.7	5.1	4.7	5.7	5.5	5.2
FINAL CONC. (ML/L)		0.01	0.20	0.15	0.13	0.11	0.14	0.11	0.11	0.09	0.09	0.05	0.11
% REMOVED		99.8	94.7	96.3	98.0	98.2	97.3	98.1	97.8	98.1	98.4	99.1	97.9
PH FINAL		7.6	7.5	7.5	8.1	7.1	7.2	7.1	7.2	7.6	7.6	7.6	7.5
TOTAL SEWAGE(L)	4,732	3,729	4,349	3,494	3,184	3,456	3,808	4,770	3,891	4,395	3,664	3,982	47,454

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

FOR JANUARY THROUGH DECEMBER 1992
TRA WATER USAGE AND DISPOSAL SUMMARY

RPT 237-I
TRA

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
TOTAL WATER DISPOSED(L)	114,698	207,137	151,545	233,377	164,120	228,218	214,780	180,026	171,922	207,936	170,956	211,195	2,255,909
ACCOUNTABILITY (%)	100.0	100.0	100.0	100.0	102.0	101.5	101.8	102.7	102.3	102.2	102.2	101.9	101.4

TRA-11

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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UNITED STATES DEPARTMENT OF ENERGY
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19-JUN-93

TRA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 238-I
TRA

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
DIESEL													
VOLUME (LITERS)	93	127	71	178	110	129	94	133	124	100	90	146	1,395
SO2 (KGS)	1	1	0	1	1	1	1	1	1	1	1	1	10
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	93	127	71	178	110	129	94	133	124	100	90	146	1,395
SO2 (KGS)	1	1	0	1	1	1	1	1	1	1	1	1	10
NOX (KGS)													
PARTICULATES (KGS)													

TRA-12

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

HAZARDOUS WASTE GENERATED BY TRA
FOR January - December 1992

RPT 2310-1
TRA

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 603													
Gross Volumes:										2.27E-01			2.27E-01
Gross Weights:										5.69E+05			5.69E+05
BLDG 635													
Gross Volumes:												1.13E-01	1.13E-01
Gross Weights:												4.54E+04	4.54E+04
BLDG 661													
Gross Volumes:	7.57E-02		5.68E-02					1.14E-01	2.84E-01			1.14E-01	6.44E-01
Gross Weights:	2.18E+04		2.22E+04					3.08E+04	1.00E+05			9.07E+04	2.66E+05
BLDG 670													
Gross Volumes:							1.82E+02						1.82E+02
Gross Weights:							1.30E+08						1.30E+08
TOTAL VOLUMES:	7.57E-02		5.68E-02				1.82E+02	1.14E-01	2.84E-01	2.27E-01		2.27E-01	1.83E+02
TOTAL WEIGHTS:	2.18E+04		2.22E+04				1.30E+08	3.08E+04	1.00E+05	5.69E+05		1.36E+05	1.30E+08

TRA-13

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

MIXED WASTE GENERATED BY TRA
FOR January - December 1992

RPT 2311-I
TRA

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 603													
Gross Volumes:				3.60E-01	2.46E-01								6.06E-01
Gross Weights:				8.62E+04	5.67E+04								1.43E+05
BLDG 647													
Gross Volumes:					3.67E+01								3.67E+01
Gross Weights:					6.01E+06								6.01E+06
TOTAL VOLUMES:				3.60E-01	3.70E+01								3.73E+01
TOTAL WEIGHTS:				8.62E+04	6.06E+06								6.15E+06

TRA-14

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

**TECHNICAL SUPPORT FACILITY—TEST AREA NORTH,
1992 DETAIL DATA**

Report 10—TSF Hazardous Waste Generated By TSB For January–
December 1992 TSB-3

**TECHNICAL SUPPORT FACILITY—TEST AREA NORTH,
1992 DETAIL DATA**

Report 225—TSF Liquid Disposed Substances Summary	TSF-3
Report 225—TSF Release Point And Liquid Disposed Substances Summary	TSF-5
Report 227—TSF Water Usage And Disposal Summary For January Through December 1992	TSF-6
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UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

TSF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 225-I
TSF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION WEIGHT (KGS)			1,390	468	234		1,927	275	41	55	50	55	4,495
CYCLOHEXYLAMINE WEIGHT (KGS)		2	1	1	0					1	1	0	8
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)		8	9	9	2					8	8	4	47
JANITORIAL SUPPLIES WEIGHT (KGS)	215	119	75	74	10	106	247	1,492	108	66	95	1	2,608
MORPHOLINE WEIGHT (KGS)		2	1	1	0					1	1	0	8
POTASSIUM HYDROXIDE WEIGHT (KGS)		8	9	9	2					8	8	4	47
SODIUM ION WEIGHT (KGS)		26	917	320	186		1,249	439	44	68	50	63	3,361
SODIUM LIGNOSULFONATE WEIGHT (KGS)		8	9	9	2					8	8	4	47
SULFATE ION WEIGHT (KGS)		25	16	7	49		0	488		49	2	33	670
SULFITE ION WEIGHT (KGS)		12		9	3					6	9	2	40

TSF-3

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

TSF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 225-1
TSF

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	VOL/WEIGHT AVG CONC
DISPOSAL POND	SURFACE												
VOLUME (1000 L)	7,052	7,173	4,554	1,958	11,689	10,985	9,051	7,336	6,129	0	0	0	65,929
PH											7.8	7.9	7.9
CHLORIDE ION													
CONC. (MG/L)			305.23	238.95	20.01		212.87	37.52	6.74	156367.69	143823.60	346233.61	68.17
WEIGHT (KGS)			1,390	468	234		1,927	275	41	55	50	55	4,495
CYCLOHEXYLAMINE													
CONC. (MG/L)		0.23	0.24	0.68	0.04					3788.08	3871.32	2376.50	0.12
WEIGHT (KGS)		2	1	1	0					1	1	0	8
ETHYLENEDIAMINE TETRAACETIC ACID													
CONC. (MG/L)		1.09	1.88	4.57	0.17					22128.30	22614.58	26948.39	0.72
WEIGHT (KGS)		8	9	9	2					8	8	4	47
JANITORIAL SUPPLIES													
CONC. (MG/L)	30.54	16.57	16.45	37.71	0.87	9.66	27.26	203.42	17.61	186826.92	275601.32	5277.95	39.55
WEIGHT (KGS)	215	119	75	74	10	106	247	1,492	108	66	95	1	2,608
MORPHOLINE													
CONC. (MG/L)		0.23	0.24	0.68	0.04					3788.08	3871.32	2376.50	0.12
WEIGHT (KGS)		2	1	1	0					1	1	0	8
POTASSIUM HYDROXIDE													
CONC. (MG/L)		1.09	1.88	4.57	0.17					22128.30	22614.58	26948.39	0.72
WEIGHT (KGS)		8	9	9	2					8	8	4	47
SODIUM ION													
CONC. (MG/L)		3.65	201.33	163.37	15.90		137.96	59.86	7.14	192225.58	145472.19	396730.77	50.98
WEIGHT (KGS)		26	917	320	186		1,249	439	44	68	50	63	3,361
SODIUM LIGNOSULFONATE													
CONC. (MG/L)		1.09	1.88	4.57	0.17					22128.30	22614.58	26948.39	0.72
WEIGHT (KGS)		8	9	9	2					8	8	4	47

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DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
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TSF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 225-I
TSF

RELEASE POINT DESCRIPTION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
SUBSTANCE														
DISPOSAL POND	SURFACE													
SULFATE ION														
CONC. (MG/L)			3.47	3.45	3.67	4.19		0.03	66.58		138754.42	7090.18	206684.58	10.16
WEIGHT (KGS)			25	16	7	49		0	488		49	2	33	670
SULFITE ION														
CONC. (MG/L)			1.61		4.41	0.25					16363.46	25084.59	14492.97	0.60
WEIGHT (KGS)			12		9	3					6	9	2	40

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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UNITED STATES DEPARTMENT OF ENERGY
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FOR JANUARY THROUGH DECEMBER 1992
TSF WATER USAGE AND DISPOSAL SUMMARY

RPT 227-I
TSF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
612 WATER PUMPED (L)	222	4,524	231	167	231	1,402	2,303	10,516	3,519	4,221	3,774	4,474	35,582
613 WATER PUMPED (L)	6,678	1,536	8,097	8,097	7,192	7,567	3,227	7,715	2,664	631	1,812	3,654	58,871
WATER PUMPED (L)	6,900	6,060	8,328	8,264	7,423	8,969	5,530	18,230	6,183	4,852	5,586	8,128	94,453
WATER DISPOSED													
AIR (L)													
SURFACE (L)	7,051	7,173	4,554	1,958	11,356	10,985	9,051	7,336	6,129	0	0	0	65,595
SUBSURFACE (L)													
SEWAGE DATA													
623 BUILD VOL (L)	3,678	37,298	3,774	3,785	416	4,982	5,167	5,788	55	6,261	5,708	5,924	82,837
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	151.0	178.7	146.3	105.0	137.0	89.0	104.0	120.0	145.0	76.3	82.5	75.0	117.5
FINAL CONC. (MG/L)	18.2	22.3	22.3	16.3	36.0	17.0	18.0	21.0	19.5	16.0	22.3	12.0	20.1
% REMOVED	87.9	87.5	84.8	84.5	73.7	80.9	82.7	82.5	86.6	79.0	73.0	84.0	82.9
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	4.6	5.2	4.1	5.7	3.0	3.0	3.0	3.0	2.8	3.1	4.7	6.1	4.0
FINAL CONC. (MG/L)	6.3	6.1	5.6	5.4	5.0	5.0	4.0	4.0	5.1	5.2	6.0	7.0	5.4
INCREASED FACTOR	0.4	0.2	0.4	-0.1	0.7	0.7	0.3	0.3	0.8	0.7	0.3	0.1	0.3
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	7.3	92.7	7.1	8.1	9.0	7.0	9.0	9.0	7.1	5.8	6.6	4.1	14.4
FINAL CONC. (ML/L)	0.01	0.02	0.10	0.10	0.10	0.29	0.11	0.98	0.06	0.05	0.03	0.02	0.16
% REMOVED	99.9	100.0	98.6	98.8	98.9	95.9	98.8	89.1	99.2	99.1	99.5	99.5	98.9
PH FINAL	8.0	8.1	7.9	7.7	7.6	8.0	8.0	8.0	7.5	8.0	7.8	7.9	7.9
TOTAL SEWAGE(L)	3,678	37,298	3,774	3,785	416	4,982	5,167	5,788	55	6,261	5,708	5,924	82,837
TOTAL WATER DISPOSED(L)	10,729	44,471	8,328	5,744	11,773	15,967	14,218	13,124	6,184	6,261	5,709	5,924	148,431

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

TSF-6

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INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

FOR JANUARY THROUGH DECEMBER 1992
TSF WATER USAGE AND DISPOSAL SUMMARY

RPT 227-I
TSF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
ACCOUNTABILITY (%)	155.5	733.9	100.0	69.5	158.6	178.0	257.1	72.0	100.0	129.0	102.2	72.9	157.1

TSF-7

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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TSF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 228-1
TSF

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	319	244	208	136	0					27	148	290	1,372
SO2 (KGS)	2	1	1	1	0					0	1	2	8
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	319	244	208	136	0					27	148	290	1,372
SO2 (KGS)	2	1	1	1	0					0	1	2	8
NOX (KGS)													
PARTICULATES (KGS)													

TSF-8

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
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HAZARDOUS WASTE GENERATED BY TSB
FOR January - December 1992

RPT 10-1
TSB

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG IFC													
Gross Volumes:			3.79E-02										3.79E-02
Gross Weights:			1.40E+04										1.40E+04
TOTAL VOLUMES:			3.79E-02										3.79E-02
TOTAL WEIGHTS:			1.40E+04										1.40E+04

TSB-3

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

WILLOW CREEK BUILDING, 1992 DETAIL DATA

Report 10—Hazardous Waste Generated By WCB For January–December

1992 WCB-3

Willow Creek Building
1992 Detail Data

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

19-JUN-93

HAZARDOUS WASTE GENERATED BY WCB
FOR January - December 1992

RPT 10-1
WCB

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG IFC													
Gross Volumes:												3.03E-01	3.03E-01
Gross Weights:												2.07E+05	2.07E+05
TOTAL VOLUMES:												3.03E-01	3.03E-01
TOTAL WEIGHTS:												2.07E+05	2.07E+05

WCB-3

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

WASTE EXPERIMENTAL REDUCTION FACILITY, 1992 DETAIL DATA

Report 2411—Mixed Waste Generated By WER For January–December

1992 WER-3

Waste Experimental
Reduction Facility 1992
Detail Data

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

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MIXED WASTE GENERATED BY WER
FOR January - December 1992

RPT 2411-I
WER

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 609													
Gross Volumes:				3.96E+00									3.96E+00
Gross Weights:				1.78E+06									1.78E+06
 TOTAL VOLUMES:				3.96E+00									3.96E+00
TOTAL WEIGHTS:				1.78E+06									1.78E+06

WER-3

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

RADIOACTIVE WASTE MANAGEMENT COMPLEX, 1992 DETAIL DATA

Report 256—WMC Landfill Solid Disposed Waste Summary WMC-3

Report 257—WMC Water Usage And Disposal Summary For January
Through December 1992 WMC-4

Report 2511—Mixed Waste Generated By WMC For January–December
1992 WMC-6

**WATER REACTOR RESEARCH TEST FACILITY—TEST AREA NORTH,
1992 DETAIL DATA**

Report 265—WRF Liquid Disposed Substances Summary	WRF-3
Report 265—WRF Release Point And Liquid Disposed Substances Summary ...	WRF-4
Report 267—WRF Water Usage And Disposal Summary For January Through December 1992	WRF-6
Report 268—WRF Fuel Oil Usage And Stack Effluents Summary	WRF-8
Report 2610—Hazardous Waste Generated By WRF For January–December 1992	WRF-9

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

WRF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 265-I
WRF

WRF-3

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION WEIGHT (KGS)			151							151		55	358
CYCLOHEXYLAMINE WEIGHT (KGS)											0	0	0
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)	0	2	1	2	1					0	0	4	12
JANITORIAL SUPPLIES WEIGHT (KGS)	18												18
MORPHOLINE WEIGHT (KGS)											0	0	0
POTASSIUM HYDROXIDE WEIGHT (KGS)	0	2	1	2	1					0	0	4	12
SODIUM ION WEIGHT (KGS)	2	2	103	2	0		11			127	1	63	311
SODIUM LIGNOSULFONATE WEIGHT (KGS)	0	2	1	2	1					0	0	4	12
SULFATE ION WEIGHT (KGS)	16		24				16			49		33	138
SULFITE ION WEIGHT (KGS)	3	3	2	4	0		0				1	2	17
UNKNOWN WEIGHT (KGS)									0				0

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

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25-JUN-93

WRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 265-1
WRF

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT
													VOL/WEIGHT AVG CONC
WRRTF EVAP POND	SURFACE												
VOLUME (1000 L)	871	726	2,517	874	654	409	238	894	633	639	555	1,134	10,144
PH		7.0	7.0	7.0						7.0		8.0	7.2
CHLORIDE ION													
CONC. (MG/L)			60.15							236.91		48.52	35.27
WEIGHT (KGS)			151							151		55	358
CYCLOHEXYLAMINE													
CONC. (MG/L)											0.08	0.33	0.04
WEIGHT (KGS)											0	0	0
ETHYLENEDIAMINE TETRAACETIC ACID													
CONC. (MG/L)	0.52	3.22	0.39	2.01	1.79					0.61	0.70	3.78	1.16
WEIGHT (KGS)	0	2	1	2	1					0	0	4	12
JANITORIAL SUPPLIES													
CONC. (MG/L)	20.10												1.73
WEIGHT (KGS)	18												18
MORPHOLINE													
CONC. (MG/L)											0.08	0.33	0.04
WEIGHT (KGS)											0	0	0
POTASSIUM HYDROXIDE													
CONC. (MG/L)	0.52	3.22	0.39	2.01	1.79					0.61	0.70	3.78	1.16
WEIGHT (KGS)	0	2	1	2	1					0	0	4	12
SODIUM ION													
CONC. (MG/L)	2.28	2.51	40.99	2.46	0.25		44.45			198.42	1.49	55.60	30.62
WEIGHT (KGS)	2	2	103	2	0		11			127	1	63	311
SODIUM LIGNOSULFONATE													
CONC. (MG/L)	0.52	3.22	0.39	2.01	1.79					0.61	0.70	3.78	1.16
WEIGHT (KGS)	0	2	1	2	1					0	0	4	12

WRF-4

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

IDAHO OPERATIONS OFFICE
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 FOR JANUARY THROUGH DECEMBER 1992

25-JUN-93

WRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 265-1
 WRF

-----													ANNUAL TOT
RELEASE POINT DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	VOL/WEIGHT
-----													AVG CONC
WRRTF EVAP POND	SURFACE												
SULFATE ION													
CONC. (MG/L)	18.36		9.53				68.55			76.45		28.97	13.61
WEIGHT (KGS)	16		24				16			49		33	138
SULFITE ION													
CONC. (MG/L)	3.97	4.37	0.80	4.29	0.44		1.21				2.60	2.03	1.65
WEIGHT (KGS)	3	3	2	4	0		0				1	2	17
UNKNOWN													
CONC. (MG/L)									0.00				0.00
WEIGHT (KGS)									0				0

WRF-5

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5
 0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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FOR JANUARY THROUGH DECEMBER 1992
 WRF WATER USAGE AND DISPOSAL SUMMARY

RPT 267-I
 WRF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
WRF WATER PUMPED (L)	1,122	1,209	3,107	1,067	798	500	291	1,091	773	776	676	1,384	12,795
WATER PUMPED (L)	1,122	1,209	3,107	1,067	798	500	291	1,091	773	776	676	1,384	12,795
WATER DISPOSED													
AIR (L)													
SURFACE (L)	871	726	2,517	874	654	409	238	894	633	639	555	1,134	10,144
SUBSURFACE (L)													
SEWAGE DATA													
BUILD VOL (L)													
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL													

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5
 0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
 0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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FOR JANUARY THROUGH DECEMBER 1992
WRF WATER USAGE AND DISPOSAL SUMMARY

RPT 267-1
WRF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
643 BUILD VOL (L)	224			87									311
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL													
TOTAL SEWAGE(L)	224			87									311
TOTAL WATER DISPOSED(L)	1,095	726	2,517	960	654	409	238	894	633	639	555	1,134	10,455
ACCOUNTABILITY (%)	97.6	60.0	81.0	90.0	81.9	81.9	81.9	82.0	81.9	82.3	82.0	82.0	81.7

WRF-7

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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19-JUN-93

WRF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 268-1
WRF

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	30	3	28	15	4					5	14	35	134
SO2 (KGS)	0	0	0	0	0					0	0	0	1
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	30	3	28	15	4					5	14	35	134
SO2 (KGS)	0	0	0	0	0					0	0	0	1
NOX (KGS)													
PARTICULATES (KGS)													

WRF-8

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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19-JUN-93

HAZARDOUS WASTE GENERATED BY WRF
FOR January - December 1992

RPT 2610-1
WRF

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG WRF													
Gross Volumes:												4.62E-02	4.62E-02
Gross Weights:												6.80E+02	6.80E+02
TOTAL VOLUMES:												4.62E-02	4.62E-02
TOTAL WEIGHTS:												6.80E+02	6.80E+02

WRF-9

NOTE: VOLUME REPORTED IN CUBIC METERS; WEIGHT REPORTED IN GRAMS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

END

**DATE
FILMED**

12/21/93