Idaho National Engineering Laboratory Nonradiological Waste Management Information For 1994 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 1994. 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 Idaho National Engineering Laboratory (INEL) Nonradiological Waste Management Information System (INWMIS) is a computerized data base that replaced the Industrial Waste Management Information System (IWMIS) on October 1, 1991. The INWMIS serves as the official record for all types of industrial (nonradiological) waste and is the contact for reporting hazardous and mixed waste stored, disposed, or shipped from the INEL.

U.S. Department of Energy (DOE) 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, and storage or disposal of solid wastes.

To more accurately report the landfill data, modifications were 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 INWMIS.

Because of organizational changes within various groups, the reporting for TAN also has changed. TAN is broken into three separate sections: TSF, the Containment Test Facility, and SMC. TSF and portions of the SMC are currently being reported into the INWMIS.

During 1994, a total of 77,036 m³ of solid industrial waste was disposed of in sanitary landfills at the INEL. This is an increase of 46.5% from the 52,568 m³ discarded in 1993.

A total of 1,908,093 kg of liquid and airborne industrial waste was discharged in 1994 at the INEL. The industrial waste included 1,437,932 kg of chemicals, 285,661 kg of total dissolved solids, and 184,500 kg of total hardness discharged as liquid wastes to the lithosphere at the INEL. This waste represents a 33.6% decrease over the total quantity of 2,872,675 kg in 1993 and a decrease from total quantity of 2,413,668 kg in 1992.

In 1994, the INEL used a total of 15,067,581 liters of fuel oil, which produced 182,534 kg of sulfur dioxide (SO₂) and 481 kg of particulates. During 1993, the INEL used 13,214,309 liters of fuel oil producing 128,514 kg of SO₂ and 3,075 kg of particulates.

A total of 5,587,450,000 liters of water was pumped from the aquifer by the INEL during 1994, compared to 6,803,963,000 liters in 1993 and 7,617,914,000 liters in 1992. However, the majority of this water returned to the lithosphere through seepage ponds. The remaining water was lost to the atmosphere through cooling towers and other evaporatory processes.

In October 1994, DOE awarded INEL's primary management and operating contract to Lockheed Idaho Technologies Company (LITCO). In order to report landfill data more accurately and to conform to LITCO's regulations, the INWMIS area and program codes were changed. However, these changes will not be indicated until the 1995 INWMIS Annual Report.

Please note that Argonne National Laboratory-West did not operate its cooling towers in April, May, October, November, and December of 1994 due to routine reactor maintenance.

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ACRONYMS AND ABBREVIATIONS

ANL	Argonne National Laboratory-West	NO _x	nitric oxides
CFA	Central Facilities Area	NRF	Naval Reactors Facility
CPP	Idaho Chemical Processing Plant (same as ICPP)	PBF	Power Burst Facility
CTF	Containment Test Facility (formerly Loss-of-Fluid Test Facility)	RWMC	Radioactive Waste Management Complex (same as WMC)
CY	calendar year	SMC	Special Manufacturing Capability
HWSF	Hazardous Waste Storage Facility (same as CF-637)	SO ₂	sulfur dioxide
ICPP	Idaho Chemical Processing Plant (same as CPP)	TAN	Test Area North
INEL	Idaho National Engineering Laboratory	TRA	Test Reactor Area
IRC	Idaho Research Center	TSF	Technical Support Facility
INWMIS	INEL Nonradiological Waste Management Information System	WCB	Willow Creek Building
IWMIS	Industrial Waste Management Information System	WDF	Waste Engineering Development Facility (same as WEDF)
kg	kilogram	WEDF	Waste Engineering Development Facility (same as WDF)
L	liter	WER	Waste Experimental Reduction Facility (same as WERF)
LOFT	Loss-of-Fluid Test Facility (became CTF on October 6, 1986)	WERF	Waste Experimental Reduction Facility (same as WER)
m	meter	WMC	Radioactive Waste Management Complex (same as RWMC)
MWSF	Mixed Waste Storage Facility	WRF	Water Reactor Research Test Facility (same as WRRTF)
N/A	not available	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	35.5140
Liters	Gallons (U.S. liquid)	0.2642
Kilograms	Pounds	2.2046

DEFINITIONS

Curie A unit of radioactivity, defined as that quantity of any radioactive nuclide that has $3.7\text{E}+10$ disintegrations per second (abbreviated Ci).

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 1994 AND RECORD-TO-DATE

INTRODUCTION

This report summarizes the nonradiological data for the Idaho National Engineering Laboratory (INEL) for 1994 and record-to-date. It includes summaries of the quantities of airborne and liquid effluents; the volumes of solid waste; the chemical usage; 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 data base 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 aide in the presentation of the INEL summary data. The graphics display water, coal, chemical, fuel oil and diesel usage, and volumes of solid waste discarded at the landfill.

The INEL Industrial Waste Summary, a table that lists the waste data available for 1971 through 1994, is located within the tab section *INEL Record-to-Date Summaries*. Found in the tab section *INEL Record-to-Date Detail Summaries* are tables, bar graphs, and pie charts that summarize INEL record-to-date information and detailed data for solid and liquid industrial waste, sanitary landfill waste, airborne and liquid effluent waste, chemical usage, fuel oil usage, water usage, coal usage, and waste oil. The graphs only show data for 1985 through 1994.

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

through December 1994 are located in the tab section *INEL 1994 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 1992 to 1994 and a cumulative total for the period 1971 to 1991.

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 1992 to 1994 and a cumulative total for the period 1971 to 1991.

INEL 1994 Year-To-Date Summaries—These report summarize the year-to-date quantity of water pumped from the aquifer and discharged; 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 1994 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

INEL-3

WASTE TYPE		1971 - 1991	1992	1993	1994	TOTAL
LANDFILL WASTE*						
SOLID	(CUBIC METERS)	674,009	51,433	52,568	77,036	855,046
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)	73,456,092	2,405,973	2,457,195	1,907,906	80,227,167
AIRBORNE EFFLUENT						
CHEMICALS	(KILOGRAMS)	5,236,644	7,694	415,480	187	5,660,005
FUEL OIL AND DIESEL						
SO2	(KILOGRAMS)	6,896,468	84,861	128,514	182,534	7,292,377
PARTICULATE	(KILOGRAMS)	441,389	2,481	3,075	481	447,427
COAL						
• SO2	(KILOGRAMS)	77	21	10	4	112
NO2	(KILOGRAMS)	458	109	96	57	720
WASTE OIL	(LITERS)	1,283,361	53,367	51,531	12,011	1,400,269

• 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.

** NOTE: BASED ON AN EXTENSIVE REVIEW OF EMISSIONS DATA, CORRECTIONS TO SO2 EMITTED DATA HAVE BEEN PERFORMED.

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 - 1991	1992	1993	1994	TOTAL
FUEL OIL & DIESEL (LITERS)	402,532,798	9,586,173	13,214,309	15,067,581	440,400,862
COAL (TONS)	55,342	12,464	11,635	8,723	88,164
WATER PUMPED (1000 LITERS)	177,250,734	7,617,914	6,803,963	5,587,450	197,260,060

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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INEL SOLID LANDFILL WASTE IN CUBIC METERS
RECORD TO DATE

AREA	1971 - 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	TOTAL
ANL	43,666	1,922	2,040	1,986	1,609	1,920	8,261	9,675	7,495	8,061	10,512	97,146
ARA	2,418	20	1	438	5							2,882
CFA	65,263	3,842	4,508	9,715	5,049	6,131	22,123	11,554	9,681	9,023	13,320	160,210
CPP	66,969	4,490	7,423	5,994	4,243	5,947	14,712	23,476	12,663	12,950	35,395	194,263
CTF				89								89
DAD											95	95
LOF	641	221	193									1,055
MHD	3,584	807	881	881	881	815	881	881	147			9,757
NRF	95,583	12,979	9,712	9,954	7,792	7,268	23,927	17,067	13,150	14,742	10,319	222,494
PBF	7,687	327	180	455	262	294	580	581	734	950	722	12,772
SMC								1,782				1,782
TAN	37,002	3,262	4,674					1,433	3,611	2,831	3,206	56,019
TRA	41,605	1,726	3,292	2,274	1,949	4,151	3,604	3,715	3,199	3,090	2,421	71,024
TSF				4,331	3,191	2,101	5,214	2,682				17,519
WER	104	76	15									196
WMC	1,398	885	525	378	410	328	1,001	982	754	921	1,045	8,626
WRF	20		3		5							28
	365,940	30,558	33,446	36,495	25,396	28,995	80,302	73,828	51,433	52,568	77,036	855,957

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

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SCHED. NO. INRPT035A

INEL LIQUID LANDFILL WASTE IN LITERS
RECORD TO DATE

AREA	1971 - 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	TOTAL
ANL	2,855											2,855
ARA	502											502
CFA	109,849											109,849
CPP	1,145											1,145
NRF	132,001	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	524											524
	276,215	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

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CY 1985 - 1994 INEL SANITARY LANDFILL WASTE

CY 1994 INEL WASTE BY TYPE

CY 1994 INEL WASTE BY AREA

SCHED. NO. INRPT036

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

SUBSTANCE IDENTIFICATION	1971 - 1991	1992	1993	1994	TOTAL
(1-HYDROXYETHYLIDENE)BISPHOSPHONIC	4,183	1,479	2,856	1,071	9,588
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT	1,202	953	712	560	3,427
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN	427	362	317	304	1,409
2-(2-BUTOXYETHOXY)-ETHANOL	2				2
ACETIC ACID	12				12
ACRYLIC POLYMER	1,991	1,434	1,017	1,132	5,574
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	825	785	663	740	3,014
ALKYL DIMETHYL BENZYLAMMONIUM CHLORIDE,			0	0	0
ALKYL METHYLBENZYL AMMONIUM CHLORIDE			0	0	0
ALUMINUM NITRATE	100	60	25	60	244
AMERPLEX 6255	182				182
AMIDES	1,609				1,609
AMINEMETHYLPROPANOL	56	15	7		78
AMMONIA	36				36
AROMATIC SOLVENTS	395	168	178	167	908
ARSENIC	1	1	0	0	3
AUTO CLEANERS	27,057				27,057
B-BROMO-B-NITROSTYRENE	55	30	35	33	152
BARIUM	775	175	215	169	1,335
BARIUM SULFATE	0	0	0	0	0
BENZOTRIAZOLE	895	224	212	13	1,343
BERYLLIUM	0				0
BETZ 109	35				35
BETZ 194	301				301
BETZ 20K	33,777	4,936	4,607	2,745	46,065
BETZ 22K			96	280	376
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	58	28			86
BLEACH	898				898
BORON	11,986				11,986
BROMINE	500				500
CADMIUM	2	1	3	2	8

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

SUBSTANCE IDENTIFICATION	1971 - 1991	1992	1993	1994	TOTAL
CALCIUM CHLORIDE	218	131	54	131	533
CALCIUM FLUORIDE	111	50	21	50	231
CALCIUM ION	26,028	691	253	94	27,066
CALCIUM NITRATE	166	26	19	45	256
CALCIUM PERCHLORATE	7	4	2	4	18
CALCIUM PHOSPHATE, TRIBASIC	47	28	12	28	116
CALCIUM SULFATE, ANHYDROUS	2	1	0	1	4
CARBOHYDRAZIDE			8		8
CARBONTHIOCYANATES	283				283
CARBOXYALKYLATED POLYSACCHARIDE		1	1	1	3
CARBOXYLATED LIGNIN		0	0	0	1
CHLORIDE ION	10,326,348	722,131	827,334	598,793	12,474,606
CHLORINE	21				21
CHLOROCARBONS	2				2
CHLOROHYDROCARBONS	472				472
CHLOROSULFONES	1,263				1,263
CHROMATE ION	327				327
CHROMIUM	120	9	6	7	141
CITRIC ACID	91				91
CLOROHYDROCARBONS	0				0
COPPER					1,815
CR+6	1,815				1,523
CYCLOHEXYLAMINE	1,471	10	21	20	15,531
DIANODIC 194	15,531				147
DIETHYLAMINOETHANOL	147				2,131
DIMETHYLAMINE	2,131				24
DIMETHYLFORMAMIDE(DMF)	21			3	85
DIMETHYLISOPROPANOLAMINE	56	16	10	3	13,249
DIPHOSPHONATE	13,249				13,026
DISPERSANT 403	13,026				1,826
DODECYLGUANIDINE HYDROCHLORIDE	510	471	398	447	172
DREWGARD	116	47	3	6	27
EDETATE SODIUM				27	736
ETHYL ALCOHOL	212	203	145	176	24
ETHYLAMINE	20	2	1		921
ETHYLENEDIAMINE TETRAACETIC ACID	580	104	136	101	16,385
FLUORIDE ION	15,007	482	561	335	5
FORMIC ACID	5				62
HEAVY AROMATIC NAPHTHA	42	21			11,201
HEDP	11,193		4	3	2,631
HEXAVALENT CR	2,631				4,415
HPA	4,415			12	12
HPS I CARBOXAL ACID					24
HYDRAZINE	24				768
HYDROCARBON-AMINES	768				

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 - 1991	1992	1993	1994	TOTAL
HYDROCARBONS	2,830				2,830
HYDROGEN CHLORIDE	114	52			167
HYDROXYCARBONS	18,910		9	2	18,921
HYPOCHLORITE	16,053				16,053
HYPOCHLORITE ION	148,629	1,776	650	242	151,296
IMPURITY	22	19	17	16	74
IRON					
ISOPROPANOL	57	26			83
ISOPROPYL ALCOHOL	170	157	133	149	609
JANITORIAL SUPPLIES	938				938
JANITORIAL SUPPLIES	7,446	8,762	9,875	7,510	33,593
KP40 COOLANT CNTRL	73				73
KWIK KLEEN	2,098				2,098
LAUNDRY PRODUCTS	96,483	3,516	1,153		101,153
LEAD	243			5	248
LIGNOSULFONIC ACID, SODIUM SALT				27	27
M-60 ALGAECIDE	4				4
M-80T ALGAECIDE	4				4
MANGANESE					
MERCURY	64				64
METHBISTHIOCYANATE	68				68
METHYLENE BIS(THIOCYANATE)	208	176	148	164	697
MOGUL PC 1222	8,612				8,612
MOLYBDATE SALT	1		0	0	1
MORPHOLINE	1,835	8	10	8	1,862
N-HYDROCARBON	10,024		44	9	10,077
N-METHYLPYRROLIDONE	109	75	54	47	284
N/A			0	0	0
NALCO 7312	178				178
NALCO 7323	185				185
NALCOOL 7351	840				840
NAPTHA	39				39
NITRATE ION	1,562,706	39,847	13,963	12,198	1,628,714
NITRIC OXIDE	546,325	765	73,306	0	620,396
NITRILOTRIACETIC ACID	119				119
NITRITE ION	3				3
NITRITE SALT	1		0	0	2
NITROGEN DIOXIDE	4,685,021	6,881	341,935	0	5,033,837
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANO	27		3	1	31
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL	16	21	13	13	64
OROCOL 194	68				68
OROCOL 734	70,312				70,312
ORTHO PHOSPHATE				9	9
OXYCARBONS	0				0
PHOSPHATE	29,654		8	4	29,666

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

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

SUBSTANCE IDENTIFICATION	1971 - 1991	1992	1993	1994	TOTAL
PHOSPHATE ION	207,234	1,953	2,111	819	212,117
PHOSPHONATE	15,275				15,275
PHOTO LAB CHEMICAL	38,228	792	3,295		42,315
POLYACRYLATE	61,616	282	374	3	62,276
POLYACRYLATE ACID	0		0	0	0
POLYALKYLENE GLYCOL	2,211	2,042	1,725	1,937	7,915
POLYHYDROXYCARBON	48				48
POLYMETHACRYLATE	10,078				10,078
POLYNODIC 606	62,209				62,209
POLYNODIC 633	2,268				2,268
POLYPHOSPHATE	35,542				35,542
POTASSIUM HYDROXIDE	4,532	1,582	2,992	1,174	10,280
POTASSIUM ION	29,769		1	1	29,771
PYRIDINE	3				3
PYRO PHOSPHATE				4	4
SALT OF EDTA	0	0	0	0	1
SELENIUM	0	2	1		2
SILICACARBONS	20				20
SILICATE ION	59				59
SILICONE EMULSION	33	31	27	30	121
SILVER	72		8	4	84
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	54,172				54,172
SODIUM BISULFITE	635				635
SODIUM CARBONATE			23		23
SODIUM FLUORIDE			12		12
SODIUM HYDRATE SOLUTION		8	4	73,937	73,949
SODIUM HYDROXIDE	2,747	703	662	69	4,181
SODIUM HYPOCHLORITE			20	73	93
SODIUM ION	5,879,858	546,011	577,595	372,913	7,376,377
SODIUM LIGNOSULFONATE	349	104	136	101	690
SODIUM PERCHLORATE			1		1
SODIUM PHOSPHATE	84		1		85
SODIUM PHOSPHATE, TRIBASIC	803				803
SODIUM POLYACRYLATE	16				16
SODIUM SULFATE		1	1	1	3
SODIUM SULFITE		4	6	5	14
SODIUM TOLYTRIAZOLE	4,183	1,479	2,856	1,071	9,588

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 - 1991	1992	1993	1994	TOTAL
SODIUM TRIPOLYPHOSPHATE		1	2	2	5
SPRA-SAF	862				862
STODDARD SOLVENT	99	83	98	83	362
SULFATE ION	18,737,552	641,343	493,979	354,576	20,227,450
SULFITE ION	242,413	232	458	332	243,434
SULFONATE	11,567				11,567
SULFUR DIOXIDE	8,259				8,259
SULFURIC ACID	1				1
TDS	27,580,093	267,095	268,678	285,661	28,401,527
TETRAPOTASSIUM PYROPHOSPHATE	10,456	3,696	7,140	2,677	23,970
THIOCARBONS	17				17
THIOHYDROCARBONS	48				48
THIOUREA	1				1
TOLYTRIAZOLE	2,768		1	3	2,771
TOTAL HARDNESS	7,871,509	148,906	229,081	184,500	8,433,997
TRIBUTYLTIN OXIDE	165	157	133	148	603
TRIVALENT CR	1,955				1,955
ZINC ION	2,386				2,386
	78,692,719	2,413,668	2,872,675	1,908,093	85,887,154

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

INEL-14

CY 1985 - 1994 INEL CHEMICAL USAGE (RELEASED AS AIRBORNE EFFLUENTS)

CY 1985 - 1994 INEL CHEMICAL USAGE (RELEASED AS LIQUID EFFLUENTS)

CY 1994 INEL CHEMICAL USAGE BY AREA

Areas not appearing are less than 1% of total

INEL FUEL OIL & DIESEL SUMMARY

RECORD TO DATE

AREA	1971 - 1992				1993				1994			
	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	38,028,954	281,378	41,725		2,333,143	12,817	3,075		2,267,330	14,462	481	1,092
ARA	1,878,406	13,212	523	56,119								
CFA	27,330,418	266,179	22,262	2,019,477	587,945	4,934		232,461	398,357	2,895		92,523
CPP	99,472,223	1,368,252	5,504		2,657,427	44,210			4,251,973	70,738		
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		2,561,152	39,257			1,997,210	59,582		
PBF	2,765,116	17,846	231	545,540	55,691	315			60,097	340		
SMC	1,113,536	6,146			2,085,377	10,703			1,728,152	8,870		
TAN	39,629,913	861,640	36,306	155,709								
TRA	47,513,788	1,456,415	182,189	35,205,458*		7,165		1,038,097*	945,256	6,524		
TSF	10,265,316	178,414	0	1,052,640	1,492,825	8,455			2,918,877	16,820		
WMC	443,055	2,820	0	28,493								
WRF	4,491,521	25,590	0	55,475	170,192	657			406,715	2,303		
Total	372,641,785	6,981,329	443,870	39,477,187	11,943,751	128,514	3,075	1,270,558	14,973,966	182,534	481	93,614

* TRA EMERGENCY GENERATOR

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

INEL-17

SCHED. NO. INRPT031

INEL FUEL OIL & DIESEL SUMMARY

RECORD TO DATE (CONTINUED)

TOTALS				
AREA	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)	DIESEL (LITERS)
ANL	42,629,426	308,657	45,281	1,092
ARA	1,878,406	13,212	523	56,119
CFA	28,316,719	274,008	22,262	2,344,461
CPP	106,381,622	1,483,199	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	99,510,503	2,569,767	155,127	
PBF	2,880,903	18,502	231	545,540
SMC	4,927,065	25,719		
TAN	39,629,913	861,640	36,306	155,709
TRA	48,459,044	1,470,104	182,189	36,243,555
TSF	14,677,018	203,689	0	1,052,640
WMC	443,055	2,820	0	28,493
WRF	5,068,427	28,550	0	55,475
	399,559,502	7,292,377	447,427	40,841,360

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

INEL-18

CY 1985 - 1994 INEL FUEL OIL & DIESEL USAGE

CY 1994 INEL FUEL OIL & DIESEL USAGE BY AREA

CY 1985 - 1994 SULFUR DIOXIDE EMITTED FROM INEL FUEL OIL & DIESEL USAGE

INEL-20

CY 1994 SULFUR DIOXIDE EMITTED BY AREA
FROM INEL FUEL OIL & DIESEL USAGE

Areas not appearing are less than 1% of total

CY 1985 - 1994 PARTICULATE EMITTED FROM INEL FUEL OIL & DIESEL USAGE

INEL-21

CY 1994 PARTICULATE EMITTED BY AREA
FROM INEL FUEL OIL & DIESEL USAGE

INEL WATER USAGE SUMMARY IN THOUSAND LITERS
RECORD TO DATE

AREA	1971 - 1991	1992	1993	1994	TOTAL
ANL	9,228,102	388,768	387,283	278,651	10,282,805
ARA	1,451,289				1,451,289
CFA	5,180,759	377,274	313,328	284,401	6,155,762
CPP	36,847,534	2,502,782	2,827,841	2,071,447	44,249,604
CTF	791,207	2,953			794,160
LOF	2,655,483				2,655,483
MHD	359,802	700			360,502
NRF	28,445,330	1,112,774	884,395	592,432	31,034,931
PBF	673,636	15,227	11,452	16,251	716,566
TAN	3,581,392				3,581,392
TRA	60,972,940	2,255,909	1,971,516	1,764,286	66,964,651
TSF	574,278	148,431	88,024	101,861	912,594
WMC	389,483	1,814	3,511	1,767	396,576
WRF	618,098	10,455	10,596	8,620	647,769
TOTAL	151,769,335	6,817,087	6,497,948	5,119,716	170,204,084

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL WATER PUMPED SUMMARY IN THOUSAND LITERS
RECORD TO DATE

AREA	1971 - 1991	1992	1993	1994	TOTAL
ANL	10,743,126	405,378	475,408	372,922	11,996,836
ARA	1,961,500				1,961,500
CFA	8,956,192	521,041	633,451	614,290	10,724,974
CPP	40,714,702	3,069,581	2,708,351	2,076,670	48,569,305
CTF	1,004,599	2,965			1,007,564
LOF	3,326,689				3,326,689
MHD	369,829	700			370,530
NRF	34,349,157	1,110,924	883,217	592,449	36,935,747
PBF	1,013,296	18,129	13,801	19,742	1,064,968
TAN	4,434,485				4,434,485
TRA	68,687,688	2,224,786	1,962,878	1,764,693	74,640,044
TSF	595,501	94,453	98,575	101,819	890,347
WMC	466,556	157,161	19,411	36,537	679,664
WRF	627,413	12,795	8,870	8,327	657,406
TOTAL	177,250,734	7,617,914	6,803,963	5,587,450	197,260,060

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CY 1985 - 1994 INEL WATER USAGE

CY 1994 INEL WATER DISPOSED BY TYPE

CY 1994 INEL WATER USAGE

CY 1994 INEL WATER PUMPED BY AREA

Areas not appearing are less than 1% of total

CY 1994 INEL WATER DISPOSED BY AREA

Areas not appearing are less than 1% of total

INEL COAL SUMMARY

RECORD TO DATE

Area	1971 - 1991			1992			1993			1994		
	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	55,342	77	458	12,464	21	109	11,635	10	96	8,723	4	57
TOTAL	55,342	77	458	12,464	21	109	11,635	10	96	8,723	4	57

BASED ON AN EXTENSIVE REVIEW OF EMISSIONS DATA, CORRECTIONS TO SO2 EMITTED DATA HAVE BEEN PERFORMED.
 DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5

INEL COAL SUMMARY
RECORD TO DATE (CONTINUED)

TOTALS			
Area	Tons Burned	SO2 (mg)	NOX (mg)
CPP	88,164	112	720
	88,164	112	720

INEL-27

BASED ON AN EXTENSIVE REVIEW OF EMISSIONS DATA, CORRECTIONS TO SO2 EMITTED DATA HAVE BEEN PERFORMED.
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

CY 1987 - 1994 INEL COAL USAGE

INEL-28

CY 1987 - 1994 SULFUR DIOXIDE EMITTED FROM INEL COAL USAGE

INEL-29

CY 1987 - 1994 NITRIC OXIDE EMITTED FROM INEL COAL USAGE

INEL WASTE OIL SUMMARY IN LITERS
RECORD TO DATE

AREA	1971 - 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	TOTAL
ANL	27,741	2,425	1,230	1,052	3,218	2,173			2,271	568		40,679
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	21,444		305,713
CPP			3,785	3,785			6,871		3,028			17,470
IRC				416				927	189	189		1,722
NRF	418,260	10,115	50,403	70,976	77,650	129,499	38,157	25,268	11,545	22,042	12,011	865,925
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	757		56,062
TRA	5,678		4,921	7,238	3,312	12,870	16,448	6,057	10,221	5,678		72,422
WER										852		852
WMC			757	1,666	833	1,136	625	208				5,224
WRF				208	1,079	341	1,325	4,164				7,117
	456,676	12,540	91,247	131,713	174,991	183,266	111,423	121,504	53,367	51,531	12,011	1,400,269

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

INEL-31

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INEL LANDFILL DISPOSED SOLID WASTE SUMMARY IN CUBIC METERS
FOR JANUARY THROUGH DECEMBER, 1994

Type of Waste	ANL	CFA	CPP	DAD	NRF	PBF	TAN	TRA	WMC	TOTALS
ASBESTOS	31	147	203		305		64	29		779
ASPHALT	1,488	133	3,444		1,099	12	48	1		6,226
CAFETERIA GARBAGE	668	1,965	31		1,002		9			3,675
DIRT AND GRAVEL	398	1,114	23,273	0	100	11	34	2	155	25,087
MASONRY AND CONCRETE	248	2,733	709	14	214	6	417	20	2	4,364
SCRAP METAL	1,041	404	380	53	185	27	254	154	21	2,518
TRASH, SWEEPINGS, ETC.	5,995	6,394	6,751	8	7,220	638	2,291	2,062	810	32,170
WEEDS, GRASS AND TREES	15	53	16		8	3		1	2	98
WOOD AND SCRAP LUMBER	629	377	588	19	186	26	88	152	55	2,119
TOTALS	10,512	13,320	35,395	95	10,319	722	3,206	2,421	1,045	77,036

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

10-JUL-95

INEL LANDFILL DISPOSED SOLID WASTE SUMMARY
FOURTH QUARTER AND YEAR-TO-DATE 1994

PRT 3-1

AREA	WASTE VOLUME (CM)												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ANL	675.5	599.4	618.6	624.7	561.2	681.3	729.4	922.1	1,862.2	1,866.0	945.0	426.6	10,512.1
CFA	803.6	724.8	1,022.7	686.2	1,412.2	983.3	1,283.4	1,083.4	1,520.0	1,536.1	1,168.3	1,096.1	13,320.1
CPP	757.7	769.2	6,335.5	6,454.4	2,495.3	1,926.4	4,081.1	4,467.2	2,671.9	3,238.5	2,009.8	188.5	35,395.2
DAD												94.8	94.8
NRF	838.8	695.0	850.2	926.7	831.1	757.0	728.7	1,212.7	1,135.0	1,015.0	857.5	471.8	10,319.4
PBF	91.0	45.5	87.9	68.0	63.8	36.7	38.6	83.0	40.9	73.0	55.1	38.6	722.2
TAN	215.6	217.9	189.6	230.9	280.6	285.2	172.0	298.2	656.8	257.7	251.6	149.9	3,206.0
TRA	196.1	239.7	310.0	310.8	182.7	355.2	135.3	214.5	133.4	122.7	134.6	85.6	2,420.7
WMC	61.6	61.2	86.0	71.9	57.7	78.8	84.1	89.1	110.5	215.2	57.3	71.9	1,045.2
TOTAL	3,639.9	3,352.8	9,500.5	9,373.6	5,884.7	5,103.7	7,252.6	8,370.1	8,130.8	8,324.2	5,479.1	2,623.7	77,035.7

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, 1994

Substance	ANL	CFA	CPP	NRF	PBF	TRA	TSF	WRF	TOTAL
(1-HYDROXYETHYLIDENE)BISPHOSPHONIC						1,071			1,071
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT	560								560
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN						304			304
ACRYLIC POLYMER						1,132			1,132
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE						740			740
ALKYL DIMETHYL BENZYLAMMONIUM CHLORIDE,	0								0
ALKYL METHYLBENZYL AMMONIUM CHLORIDE	0								0
ALUMINUM NITRATE		60							60
AROMATIC SOLVENTS	167								167
ARSENIC			0						0
B-BROMO-B-NITROSTYRENE	33								33
BARIUM			169						169
BARIUM SULFATE		0							0
BENZOTRIAZOLE				13					13
BETZ 20K	2,745								2,745
BETZ 22K	280								280
CADMIUM			2						2
CALCIUM CHLORIDE		131							131
CALCIUM FLUORIDE		50							50
CALCIUM ION				94					94
CALCIUM NITRATE		45							45
CALCIUM PERCHLORATE		4							4
CALCIUM PHOSPHATE, TRIBASIC		28							28
CALCIUM SULFATE, ANHYDROUS		1							1
CARBOXYALKYLATED POLYSACCHARIDE	1					0			1
CARBOXYLATED LIGNIN	0					0			0
CHLORIDE ION		7,934	492,125	95,586	0	505	2,422	220	598,793
CHROMIUM			7						7
CYCLOHEXYLAMINE	12						7	1	20
DIMETHYLFORMAMIDE(DMF)	3								3
DIMETHYLISOPROPANOLAMINE	3								3
DODECYLGUANIDINE HYDROCHLORIDE					3	444			447
DREWGARD		6							6
EDETATE SODIUM							27		27
ETHYL ALCOHOL		28				148			176
ETHYLENEDIAMINE TETRAACETIC ACID		48			1		36	17	101
FLUORIDE ION			335						335
HEDP					3				3
HPS I CARBOXAL ACID					12				12
HYDROXYCARBONS					2				2
HYPOCHLORITE ION				242		0			242
IMPURITY						16			16
ISOPROPYL ALCOHOL	0				1	148			149
JANITORIAL SUPPLIES	3,494	3,498			119		359	39	7,510
LEAD			5						5

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

INEL-37

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
FOR JANUARY THROUGH DECEMBER, 1994

Substance	ANL	CFA	CPP	NRF	PBF	TRA	TSF	WRF	TOTAL
LIGNOSULFONIC ACID, SODIUM SALT							27		27
METHYLENE BIS(THIOCYANATE)	15				1	148			164
MOLYBDATE SALT					0				0
MORPHOLINE							7	1	8
N-HYDROCARBON					9				9
N-METHYLPYRROLIDONE	47								47
N/A	0								0
NITRATE ION			12,198						12,198
NITRIC OXIDE			0						0
NITRITE SALT					0				0
NITROGEN DIOXIDE			0						0
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANO	1								1
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL	13								13
ORTHO PHOSPHATE					9				9
PHOSPHATE					4				4
PHOSPHATE ION				10		809			819
POLYACRYLATE					3				3
POLYACRYLATE ACID					0				0
POLYALKYLENE GLYCOL	0				13	1,924			1,937
POTASSIUM HYDROXIDE		48			2	1,071	36	17	1,174
POTASSIUM ION					1				1
PYRO PHOSPHATE					4				4
SALT OF EDTA	0				0				0
SILICONE EMULSION						30			30
SILVER			4						4
SODIUM HYDRATE SOLUTION						73,937			73,937
SODIUM HYDROXIDE				39	0	30			69
SODIUM HYPOCHLORITE	73								73
SODIUM ION	3,970	5,288	293,099	45,049	3	23,735	1,620	149	372,913
SODIUM LIGNOSULFONATE		48			1		36	17	101
SODIUM SULFATE	1					0			1
SODIUM SULFITE	5					0			5
SODIUM TOLYTRIAZOLE						1,071			1,071
SODIUM TRIPOLYPHOSPHATE	2					0			2
STODDARD SOLVENT	83								83
SULFATE ION	36,526		48,704	87,442	59	181,832	13		354,576
SULFITE ION		243			3		75	12	332
TDS						285,661			285,661
TETRAPOTASSIUM PYROPHOSPHATE						2,677			2,677
TOLYTRIAZOLE					3				3
TOTAL HARDNESS						184,500			184,500
TRIBUTYL TIN OXIDE						148			148
Total	48,034	17,459	846,648	228,475	256	762,081	4,664	475	1,908,093

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

INEL-38

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

10-JUL-95

INEL YEAR-TO-DATE WATER USAGE SUMMARY
 FOR JANUARY THROUGH DECEMBER 1994

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	372,922	146,386	104,931	999	26,334	278,651	74.7
CFA	614,290		128,636	0	155,765	284,401	46.3
CPP	2,076,670		1,965,758		105,688	2,071,447	99.7
NRF	592,449	79,161	462,799		50,471	592,432	100.0
PBF	19,742		5,806		10,444	16,251	82.3
TRA	1,764,693	672,523	1,026,354		65,409	1,764,286	100.0
TSF	101,819		63,126		38,735	101,861	100.0
WMC	36,537				1,767	1,767	4.8
WRF	8,327		6,778		1,842	8,620	103.5
GRAND TOTAL	5,587,450	898,070	3,764,190	999	456,457	5,119,716	91.6

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

INEL-39

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

10-JUL-95

INEL QUARTERLY FUEL OIL AND DIESEL SUMMARY
 FOR JANUARY THROUGH DECEMBER 1994

RPT 5-1

AREA OF ORIGIN	FUEL OIL IN LITERS					KILOGRAMS DISCHARGED		
	TYPE 2	TYPE 5	TYPE 6	KEROSENE	DIESEL	SO2	NOX	PARTICULATES
ANL	2,267,330				1,092	14,462		481
CFA	398,357				92,523	2,895		
CPP	4,251,973					70,738		
NRF		1,997,210				59,582		
PBF	60,097					340		
SMC	1,728,152					8,870		
TRA	945,256					6,524		
TSF	2,334,399	584,477				16,820		
WRF	406,715					2,303		
GRAND TOTAL:	12,392,279	2,581,687			93,614	182,534		481

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

INEL-40

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

10-JUL-95

INEL WASTE OIL SUMMARY IN GALLONS
JANUARY THROUGH DECEMBER 1994

RPT 9-1

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NRF		3,173.0											3,173.0
TOTAL		3,173.0											3,173.0

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

INEL-41

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

10-JUL-95

INEL YEAR-TO-DATE COAL USAGE SUMMARY
FOR JANUARY THROUGH DECEMBER 1994

RPT 5-1

AREA	COAL BURNED (TONS)	MG. DISCHARGED	
		SO2	NO2
CPP	8,723	4	57
GRAND TOTALS:	8,723	4	57

BASED ON AN EXTENSIVE REVIEW OF EMISSIONS DATA, CORRECTIONS TO SO2 EMITTED DATA HAVE BEEN PERFORMED.
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

SUMMARY INEL
HAZARDOUS WASTE GENERATED
FOR January - December 1994

RPT 10-I

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
ANL	1.135E+03			5.250E+02	8.450E+02		2.023E+03	7.270E+02	1.606E+03		9.320E+02	1.714E+03	9.507E+03
ARA							1.150E+02				2.040E+03		2.155E+03
CFA	2.625E+03		6.260E+02	6.040E+02	1.488E+03		5.410E+02	7.900E+02	2.810E+03	6.790E+02		3.600E+01	1.020E+04
CPP				1.300E+02	2.500E+01	1.581E+04			5.790E+02			3.816E+03	2.036E+04
IRC	7.100E+01		8.600E+02	2.280E+02	1.786E+03			1.452E+03		1.930E+02		2.325E+03	6.915E+03
NRF	1.486E+03		9.717E+03	5.381E+03	6.790E+02	2.692E+03	1.190E+02	2.697E+04	9.860E+02	3.440E+02	8.600E+02	8.230E+02	5.006E+04
PTI		4.000E+01	1.600E+03					2.070E+02	9.600E+01			1.070E+02	2.050E+03
TAN	6.150E+02		1.200E+01			3.630E+02	2.950E+02	1.428E+05	1.166E+05		1.117E+05	1.782E+04	3.903E+05
TRA	1.567E+03			4.730E+02	2.526E+03	2.090E+02			6.210E+02	5.060E+02	1.100E+01		5.913E+03
WCB					1.130E+02							6.200E+01	1.750E+02
WER				1.900E+01		2.000E+02							2.190E+02
WMC			1.609E+04									5.750E+02	1.666E+04
TOTAL WEIGHT	7.499E+03	4.000E+01	2.890E+04	7.360E+03	7.462E+03	1.927E+04	3.093E+03	1.730E+05	1.233E+05	1.722E+03	1.156E+05	2.727E+04	5.145E+05

NOTE: WEIGHT REPORTED IN POUNDS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL-43

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

SUMMARY INEL
MIXED WASTE GENERATED
FOR January - December 1994

RPT 10-I

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
ANL												3.500E+01	3.500E+01
ARA	1.600E+04												1.600E+04
CFA	3.510E+02			9.500E+01						4.300E+01	9.900E+01	2.300E+01	6.110E+02
CPP											2.020E+02		2.020E+02
IRC								4.800E+01					4.800E+01
NRF						2.000E+01				2.535E+03		5.260E+02	3.081E+03
PBF						2.400E+01							2.400E+01
TAN					4.630E+03	3.844E+04						2.000E+02	4.327E+04
TRA				1.935E+03		8.077E+03	3.400E+01		1.560E+02	1.503E+03		3.450E+03	1.516E+04
WER	2.802E+03												2.802E+03
WMC									2.550E+02				2.550E+02
TOTAL WEIGHT	1.915E+04			2.030E+03	4.630E+03	4.656E+04	3.400E+01	4.800E+01	4.110E+02	4.081E+03	3.010E+02	4.234E+03	8.148E+04

INEL-44

NOTE: WEIGHT REPORTED IN POUNDS
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

Argonne National Laboratory-West 1994 Detail Data

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IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1994

11-JUL-95

ANL AIRBORNE DISPOSED SUBSTANCES SUMMARY

RPT 114-1
 ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT WEIGHT (KGS)	3	2	2			1	2	2	3				15
ALKYL DIMETHYL BENZYLAMMONIUM CHLORIDE, WEIGHT (KGS)			0	0	0	0	0	0	0	0	0	0	0
ALKYL METHYLBENZYL AMMONIUM CHLORIDE WEIGHT (KGS)			0	0	0	0	0	0	0	0	0	0	0
AROMATIC SOLVENTS WEIGHT (KGS)	0	1	1			0	1		8				11
B-BROMO-B-NITROSTYRENE WEIGHT (KGS)	0	0	0			0	0		2				2
BETZ 20K WEIGHT (KGS)	24	6	44			10	21	13	19				136
BETZ 22K WEIGHT (KGS)	3	0	0			1	2	1	2				10
ISOPROPYL ALCOHOL WEIGHT (KGS)			0	0	0	0	0	0	0	0	0	0	0
METHYLENE BIS(THIOCYANATE) WEIGHT (KGS)	0	0	0			0	0		1				1
N-METHYLPYRROLIDONE WEIGHT (KGS)	0	0	0			0	0		2				3
N/A WEIGHT (KGS)			0	0	0	0	0	0	0	0	0	0	0
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL WEIGHT (KGS)	0	0	0			0	0		1				1
SODIUM HYPOCHLORITE WEIGHT (KGS)			0	0	0	0	0	0	0	0	0	1	2

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

ANL-3

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

11-JUL-95

ANL AIRBORNE DISPOSED SUBSTANCES SUMMARY

RPT 114-I
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
STODDARD SOLVENT WEIGHT (KGS)	0	1	0			0	1		4				6

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

ANL-4

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

11-JUL-95

ANL AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 114-1
ANL

RELEASE POINT DESCRIPTION SUBSTANCE	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		10	0	0	0				11
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT CONC. (CC/CM)	10.65	23.89	15.34			0.14	6.20	10.22	8.88				1.34
WEIGHT (KGS)	3	2	2			1	2	2	3				15
ALKYL DIMETHYL BENZYLAMMORTIUM CHLORIDE, CONC. (CC/CM)			0.02										0.00
WEIGHT (KGS)			0										0
ALKYL METHYLBENZYL AMMONIUM CHLORIDE CONC. (CC/CM)			0.02										0.00
WEIGHT (KGS)			0										0
AROMATIC SOLVENTS CONC. (CC/CM)	0.00	11.09	7.12			0.03	2.87		27.44				0.98
WEIGHT (KGS)	0	1	1			0	1		8				11
B-BROMO-B-NITROSTYRENE CONC. (CC/CM)	0.00	2.27	1.46			0.01	0.59		5.61				0.20
WEIGHT (KGS)	0	0	0			0	0		2				2
BETZ 20K CONC. (CC/CM)	86.05	66.29	425.99			1.01	63.40	64.06	68.13				12.49
WEIGHT (KGS)	24	6	44			10	21	13	19				136
BETZ 22K CONC. (CC/CM)	9.92	3.59	2.54			0.08	7.01	6.96	7.29				0.90
WEIGHT (KGS)	3	0	0			1	2	1	2				10
ISOPROPYL ALCOHOL CONC. (CC/CM)			0.00										0.00
WEIGHT (KGS)			0										0

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 1994

11-JUL-95

ANL AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 114-I
ANL

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
COOLING TOWER 757													
METHYLENE BIS(THIOCYANATE)													
CONC. (CC/CM)	0.00	1.01	0.65			0.00	0.26		2.49				0.09
WEIGHT (KGS)	0	0	0			0	0		1				1
N-METHYLPYRROLIDONE													
CONC. (CC/CM)	0.00	3.53	2.27			0.01	0.91		8.73				0.31
WEIGHT (KGS)	0	0	0			0	0		2				3
N/A													
CONC. (CC/CM)			0.00										0.00
WEIGHT (KGS)			0										0
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL													
CONC. (CC/CM)	0.00	1.01	0.65			0.00	0.26		2.49				0.09
WEIGHT (KGS)	0	0	0			0	0		1				1
SODIUM HYPOCHLORITE													
CONC. (CC/CM)			2.95										0.03
WEIGHT (KGS)			0										0
STODDARD SOLVENT													
CONC. (CC/CM)	0.00	6.30	4.05			0.02	1.63		15.59				0.56
WEIGHT (KGS)	0	1	0			0	1		4				6
HFEF COOLING TOWER													
VOLUME (1000 CM)				0	0	0	0	0	0	0	0	0	1
ALKYL DIMETHYL BENZYLAMMORTIUM CHLORIDE,													
CONC. (CC/CM)				0.19	0.04	0.00	0.00	0.09	0.12	0.20	0.28	0.63	0.01
WEIGHT (KGS)				0	0	0	0	0	0	0	0	0	0
ALKYL METHYLBENZYL AMMONIUM CHLORIDE													
CONC. (CC/CM)				0.19	0.04	0.00	0.00	0.09	0.12	0.20	0.28	0.63	0.01
WEIGHT (KGS)				0	0	0	0	0	0	0	0	0	0

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

ANL-6

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

11-JUL-95

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
SUBSTANCE													
HFEF COOLING TOWER													
ISOPROPYL ALCOHOL													
CONC. (CC/CM)				0.02	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.06	0.00
WEIGHT (KGS)				0	0	0	0	0	0	0	0	0	0
N/A													
CONC. (CC/CM)				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT (KGS)				0	0	0	0	0	0	0	0	0	0
SODIUM HYPOCHLORITE													
CONC. (CC/CM)				33.22	6.86	0.32	0.27	15.04	20.59	34.37	50.16	109.82	2.27
WEIGHT (KGS)				0	0	0	0	0	0	0	0	1	2

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

ANL-7

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

11-JUL-95

ANL LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-1
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT WEIGHT (KGS)	39	43	44	24	65	45	65	68	65	24	43	21	545
ALKYL DIMETHYL BENZYLAMMONIUM CHLORIDE, WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0
ALKYL METHYLBENZYL AMMONIUM CHLORIDE WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0
AROMATIC SOLVENTS WEIGHT (KGS)	0	22	22	2	2	11	28	2	22	21	19	6	156
B-BROMO-B-NITROSTYRENE WEIGHT (KGS)	0	4	4	0	0	2	6	0	4	3	4	1	31
BETZ 20K WEIGHT (KGS)	315	111	112	111	105	296	621	381	463	61	6	28	2,609
BETZ 22K WEIGHT (KGS)	36	6	7	13	12	24	69	43	50	10	1	1	270
CARBOXYALKYLATED POLYSACCHARIDE WEIGHT (KGS)	0	0	0	0	0	0		0	0	0	0		1
CARBOXYLATED LIGNIN WEIGHT (KGS)	0	0	0	0	0	0		0	0	0	0		0
CYCLOHEXYLAMINE WEIGHT (KGS)	1	1	1	3	2	0		0	1	0	2	1	12
DIMETHYLFORMAMIDE(DMF) WEIGHT (KGS)										3			3
DIMETHYLISOPROPANOLAMINE WEIGHT (KGS)	0	0	0	1	0	0		0	0	0	0	0	3
ISOPROPYL ALCOHOL WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0

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

ANL-8

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

11-JUL-95

ANL LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
JANITORIAL SUPPLIES WEIGHT (KGS)	291	291	291	291	291	291	291	291	291	291	291	291	3,494
METHYLENE BIS(THIOCYANATE) WEIGHT (KGS)	0	2	2	0	0	1	3	0	2	1	2	1	14
N-METHYLPYRROLIDONE WEIGHT (KGS)	0	7	7	1	1	4	9	1	7		6	2	43
N/A WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANO WEIGHT (KGS)										1			1
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL WEIGHT (KGS)	0	2	2	0	0	1	3	0	2		2	1	12
POLYALKYLENE GLYCOL WEIGHT (KGS)	0	0	0	0	0	0		0	0	0	0		0
SALT OF EDTA WEIGHT (KGS)	0	0	0	0	0	0		0	0	0	0	0	0
SODIUM HYPOCHLORITE WEIGHT (KGS)	3	3	4	3	3	3	4	36	3	3	3	3	71
SODIUM ION WEIGHT (KGS)	481	332	431	415	249	331	249	281	290	293	454	166	3,970
SODIUM SULFATE WEIGHT (KGS)	0	0	0	0	0	0		0	0	0	0		1
SODIUM SULFITE WEIGHT (KGS)	0	0	0	0	0	0		1	1	0	0		5
SODIUM TRIPOLYPHOSPHATE WEIGHT (KGS)	0	0	0	0	0	0		0	1	0	0		2

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

ANL-9

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UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

11-JUL-95

ANL LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
STODDARD SOLVENT WEIGHT (KGS)	0	12	12	1	1	6	16	1	12		11	4	77
SULFATE ION WEIGHT (KGS)	5,126	1,670	3,348	1,225	966	2,835	7,257	5,080	6,215	935	966	901	36,526

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

ANL-10

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

11-JUL-95

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 SURFACE VOLUME (1000 L) PH	7,457	3,327	3,308	1,423	1,423 8.1	1,276 8.8	1,252 8.6	1,412 8.5	1,196 8.0	1,242 7.9	1,177	1,026	25,520 8.3
JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)	39.05 291	87.52 291	88.02 291	204.60 291	204.60 291	228.27 291	232.62 291	206.24 291	243.44 291	234.54 291	247.36 291	283.87 291	136.93 3,494
INDUSTRIAL POND 746 SURFACE VOLUME (1000 L) PH	5,262	3,600	5,565	5,565 7.9	5,565 8.0	6,889 8.1	15,444 7.8	10,826 8.2	11,053 8.3	4,429 8.3	3,861	3,744	81,802 8.1
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT CONC. (MG/L) WEIGHT (KGS)	7.42 39	11.89 43	7.84 44	4.30 24	11.76 65	6.52 45	4.18 65	6.24 68	5.85 65	5.49 24	11.19 43	5.60 21	6.66 545
ALKYL DIMETHYL BENZYLAMMONIUM CHLORIDE, CONC. (MG/L) WEIGHT (KGS)	0.00 0	0.01 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
ALKYL METHYLBENZYL AMMONIUM CHLORIDE CONC. (MG/L) WEIGHT (KGS)	0.00 0	0.01 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
AROMATIC SOLVENTS CONC. (MG/L) WEIGHT (KGS)	0.00 0	6.04 22	3.95 22	0.29 2	0.29 2	1.60 11	1.82 28	0.15 2	1.99 22	4.66 21	5.04 19	1.73 6	1.91 156
B-BROMO-B-NITROSTYRENE CONC. (MG/L) WEIGHT (KGS)	0.00 0	1.24 4	0.81 4	0.06 0	0.06 0	0.33 2	0.37 6	0.03 0	0.41 4	0.67 3	1.03 4	0.35 1	0.38 31

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

ANL-11

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

11-JUL-95

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													
BETZ 20K													
CONC. (MG/L)	59.83	30.74	20.13	19.97	18.91	42.93	40.24	35.19	41.86	13.83	1.43	7.41	31.90
WEIGHT (KGS)	315	111	112	111	105	296	621	381	463	61	6	28	2,609
BETZ 22K													
CONC. (MG/L)	6.91	1.67	1.20	2.26	2.15	3.55	4.45	3.94	4.49	2.27	0.16	0.17	3.31
WEIGHT (KGS)	36	6	7	13	12	24	69	43	50	10	1	1	270
CARBOXYALKYLATED POLYSACCHARIDE													
CONC. (MG/L)	0.02	0.02	0.01	0.01	0.00	0.00		0.01	0.02	0.01	0.02		0.01
WEIGHT (KGS)	0	0	0	0	0	0		0	0	0	0		1
CARBOXYLATED LIGNIN													
CONC. (MG/L)	0.00	0.01	0.00	0.00	0.00	0.00		0.00	0.01	0.00	0.00		0.00
WEIGHT (KGS)	0	0	0	0	0	0		0	0	0	0		0
CYCLOHEXYLAMINE													
CONC. (MG/L)	0.25	0.37	0.20	0.46	0.31	0.05		0.02	0.05	0.09	0.43	0.16	0.14
WEIGHT (KGS)	1	1	1	3	2	0		0	1	0	2	1	12
DIMETHYLFORMAMIDE(DMF)													
CONC. (MG/L)										0.67			0.04
WEIGHT (KGS)										3			3
DIMETHYLISOPROPANOLAMINE													
CONC. (MG/L)	0.07	0.11	0.06	0.13	0.09	0.02		0.00	0.01	0.03	0.12	0.04	0.04
WEIGHT (KGS)	0	0	0	1	0	0		0	0	0	0	0	3
ISOPROPYL ALCOHOL													
CONC. (MG/L)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0

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 1994

11-JUL-95

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 METHYLENE BIS(THIOCYANATE) CONC. (MG/L)	0.00	0.55	0.36	0.03	0.03	0.15	0.17	0.01	0.18	0.33	0.46	0.16	0.17
WEIGHT (KGS)	0	2	2	0	0	1	3	0	2	1	2	1	14
N-METHYLPYRROLIDONE CONC. (MG/L)	0.00	1.92	1.26	0.09	0.09	0.51	0.58	0.05	0.63		1.61	0.55	0.53
WEIGHT (KGS)	0	7	7	1	1	4	9	1	7		6	2	43
N/A CONC. (MG/L)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0
NONYLPHENOXPOLY(ETHYLENEOXY)ETHANO CONC. (MG/L)										0.33			0.02
WEIGHT (KGS)										1			1
NONYLPHENOXPOLY(ETHYLENEOXY)ETHANOL CONC. (MG/L)	0.00	0.55	0.36	0.03	0.03	0.15	0.17	0.01	0.18		0.46	0.16	0.15
WEIGHT (KGS)	0	2	2	0	0	1	3	0	2		2	1	12
POLYALKYLENE GLYCOL CONC. (MG/L)	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00		0.00
WEIGHT (KGS)	0	0	0	0	0	0		0	0	0	0		0
SALT OF EDTA CONC. (MG/L)	0.01	0.01	0.01	0.01	0.01	0.00		0.00	0.00	0.00	0.01	0.00	0.00
WEIGHT (KGS)	0	0	0	0	0	0		0	0	0	0	0	0
SODIUM HYPOCHLORITE CONC. (MG/L)	0.62	0.91	0.68	0.48	0.51	0.46	0.26	3.32	0.26	0.79	0.78	0.72	0.87
WEIGHT (KGS)	3	3	4	3	3	3	4	36	3	3	3	3	71

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 1994

11-JUL-95

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 ION													
CONC. (MG/L)	91.39	92.10	77.38	74.50	44.68	48.09	16.09	25.99	26.26	66.06	117.49	44.25	48.53
WEIGHT (KGS)	481	332	431	415	249	331	249	281	290	293	454	166	3,970
SODIUM SULFATE													
CONC. (MG/L)	0.02	0.02	0.01	0.01	0.00	0.00		0.01	0.02	0.01	0.02		0.01
WEIGHT (KGS)	0	0	0	0	0	0		0	0	0	0		1
SODIUM SULFITE													
CONC. (MG/L)	0.09	0.12	0.05	0.07	0.02	0.03		0.06	0.13	0.06	0.09		0.06
WEIGHT (KGS)	0	0	0	0	0	0		1	1	0	0		5
SODIUM TRIPOLYPHOSPHATE													
CONC. (MG/L)	0.03	0.04	0.02	0.03	0.01	0.01		0.02	0.05	0.02	0.03		0.02
WEIGHT (KGS)	0	0	0	0	0	0		0	1	0	0		2
STODDARD SOLVENT													
CONC. (MG/L)	0.00	3.43	2.24	0.17	0.17	0.91	1.04	0.09	1.13		2.87	0.98	0.94
WEIGHT (KGS)	0	12	12	1	1	6	16	1	12		11	4	77
SULFATE ION													
CONC. (MG/L)	974.15	463.89	601.61	220.23	173.65	411.53	469.91	469.27	562.27	211.15	250.25	240.80	446.52
WEIGHT (KGS)	5,126	1,670	3,348	1,225	966	2,835	7,257	5,080	6,215	935	966	901	36,526

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 1994

10-JUL-95

ANL LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 116-I
ANL

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS									30.6				30.6
ASPHALT							143.7	52.0	920.2	326.5	45.9		1,488.3
CAFETERIA GARBAGE	53.5	37.5	45.9	42.1	50.5	58.1	44.3	73.4	71.9	55.1	76.5	59.6	668.3
DIRT AND GRAVEL				22.9				32.9	66.1	197.6	78.0		397.6
MASONRY AND CONCRETE				22.9					47.8	177.0			247.7
SCRAP METAL	18.7	18.4	24.5	28.3	18.4	48.9	24.5	91.8	89.5	411.7	250.8	15.3	1,040.6
TRASH, SWEEPINGS, ETC.	586.4	533.7	526.0	477.9	455.7	469.5	498.5	537.5	545.9	573.5	446.5	344.1	5,995.2
WEEDS, GRASS AND TREES										15.3			15.3
WOOD AND SCRAP LUMBER	16.8	9.9	22.2	30.6	36.7	104.8	18.4	134.6	90.2	109.3	47.4	7.6	628.5
GRAND TOTALS:	675.5	599.4	618.6	624.7	561.2	681.3	729.4	922.1	1,862.2	1,866.0	945.0	426.6	10,512.1

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 1994
ANL WATER USAGE AND DISPOSAL SUMMARY

RPT 117-I
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)	23,659	5,565	14,460	7,041	8,934	16,126	37,854	27,217	29,072	7,003	4,845	4,648	186,423
002 WATER PUMPED (L)	23,659	5,565	14,460	7,079	8,934	16,126	37,854	27,217	29,072	7,003	4,883	4,648	186,499
WATER PUMPED (L)	47,318	11,129	28,920	14,120	17,867	32,252	75,708	54,434	58,144	14,006	9,728	9,297	372,922
WATER DISPOSED													
AIR (L)	21,085	2,430	9,388	111	522	10,751	43,532	29,261	26,649	617	1,461	579	146,386
SURFACE (L)	12,719	6,927	8,858	5,905	5,678	8,176	16,694	12,227	12,265	5,678	5,035	4,770	104,931
SUBSURFACE (L)	83	83	83	83	83	83	83	83	83	83	83	83	999
SEWAGE DATA													
720 BUILD VOL (L)	36	36	36	36	36	36	36	36	36	36	36	36	434
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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UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

11-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
ANL WATER USAGE AND DISPOSAL SUMMARY

RPT 117-I
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
721 BUILD VOL (L)	39	39	39	39	39	39	39	39	39	39	39	39	468
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													

ANL-17

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

11-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
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)	7,457	3,327	3,308	1,423	1,238	1,276	1,249	1,412	1,196	1,242	1,177	1,026	25,332
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)				185.0		370.0	280.0	225.0	215.0	265.0			256.7
FINAL CONC. (MG/L)				60.0		27.0	25.0	22.0	18.0	14.0			27.7
% REMOVED				67.6		92.7	91.1	90.2	91.6	94.7			89.2
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)				16.1	3.3	87.4	3.6	99.1	4.5				35.7
FINAL CONC. (MG/L)				21.2	5.4	99.9	4.4	26.5	6.7				27.4
INCREASED FACTOR				0.3	0.6	0.1	0.2	-0.7	0.5				-0.2
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL				9.4	8.1	9.7	8.6	8.5	8.0	7.9			8.6

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

11-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
 ANL WATER USAGE AND DISPOSAL SUMMARY

RPT 117-I
 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
793 BUILD VOL (L)	8	8	8	8	8	8	8	8	8	8	8	8	100
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)	7,541	3,411	3,392	1,507	1,321	1,359	1,333	1,495	1,280	1,325	1,261	1,109	26,334
TOTAL WATER DISPOSED(L)	41,428	12,852	21,721	7,606	7,605	20,370	61,642	43,067	40,277	7,704	7,840	6,541	278,651
ACCOUNTABILITY (%)	87.6	115.5	75.1	53.9	42.6	63.2	81.4	79.1	69.3	55.0	80.6	70.4	74.7

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
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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

24-MAR-95

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)	175	262	237	231	204	152	4	26	51	233	335	357	2,267
SO2 (KGS)	1	1	2	2	1	1	0	0	0	2	2	2	14
NOX (KGS)													
PARTICULATES (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0
DIESEL													
VOLUME (LITERS)											0	1	1
SO2 (KGS)											0	0	0
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	175	262	237	231	204	152	4	26	51	233	335	358	2,268
SO2 (KGS)	1	1	2	2	1	1	0	0	0	2	2	2	14
NOX (KGS)													
PARTICULATES (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0

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

ANL-20

Central Facilities Area 1994 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	CFA-9
Report 138—CFA Fuel Oil Usage And Stack Effluents Summary	CFA-11

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
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13-JUL-95

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	4	4	4	4	4	45
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)	1,067	908	1,005	1,149	495	784		186	908	41	1,307	83	7,934
DREWGARD WEIGHT (KGS)		1	1							2	1	0	6
ETHYL ALCOHOL WEIGHT (KGS)	2	2	2	2	2	2	2	2	2	2	2	2	28
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)	8	6	5	2	1	2	0		1	8	6	8	48
JANITORIAL SUPPLIES WEIGHT (KGS)	385	148	148	135	312	233	437	510	289	569	78	255	3,498

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 1994

13-JUL-95

CFA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-1
CFA

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
POTASSIUM HYDROXIDE WEIGHT (KGS)	8	6	5	2	1	2	0		1	8	6	8	48
SODIUM ION WEIGHT (KGS)	712	608	673	752	324	514	4	120	592	43	866	79	5,288
SODIUM LIGNOSULFONATE WEIGHT (KGS)	8	6	5	2	1	2	0		1	8	6	8	48
SULFITE ION WEIGHT (KGS)	35	30	37	13	5	9	6		6	28	32	42	243

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

CFA-4

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

12-JUL-95

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	SUBSURFACE 9,066	7,946	11,375	11,386	13,968	16,979	17,430	19,029	14,797	13,665	9,766	10,375	155,784
ALUMINUM NITRATE CONC. (MG/L) WEIGHT (KGS)	0.55 5	0.63 5	0.44 5	0.44 5	0.36 5	0.29 5	0.29 5	0.26 5	0.34 5	0.37 5	0.51 5	0.48 5	0.39 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)	1.20 11	1.37 11	0.96 11	0.96 11	0.78 11	0.64 11	0.62 11	0.57 11	0.74 11	0.80 11	1.11 11	1.05 11	0.84 131
CALCIUM FLUORIDE CONC. (MG/L) WEIGHT (KGS)	0.46 4	0.52 4	0.36 4	0.36 4	0.30 4	0.24 4	0.24 4	0.22 4	0.28 4	0.30 4	0.42 4	0.40 4	0.32 50
CALCIUM NITRATE CONC. (MG/L) WEIGHT (KGS)	0.42 4	0.47 4	0.33 4	0.33 4	0.27 4	0.22 4	0.22 4	0.20 4	0.25 4	0.28 4	0.39 4	0.36 4	0.29 45
CALCIUM PERCHLORATE CONC. (MG/L) WEIGHT (KGS)	0.04 0	0.05 0	0.03 0	0.03 0	0.03 0	0.02 0	0.02 0	0.02 0	0.02 0	0.03 0	0.04 0	0.03 0	0.03 4
CALCIUM PHOSPHATE, TRIBASIC CONC. (MG/L) WEIGHT (KGS)	0.26 2	0.30 2	0.21 2	0.21 2	0.17 2	0.14 2	0.14 2	0.12 2	0.16 2	0.17 2	0.24 2	0.23 2	0.18 28
CALCIUM SULFATE, ANHYDROUS CONC. (MG/L) WEIGHT (KGS)	0.01 0	0.01 0	0.01 0	0.01 0	0.01 0	0.01 0	0.01 0	0.00 0	0.01 0	0.01 0	0.01 0	0.01 0	0.01 1

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 1994

12-JUL-95

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 CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)	117.64 1,067	114.31 908	88.32 1,005	100.92 1,149	35.47 495	46.20 784		9.76 186	61.38 908	3.02 41	133.87 1,307	7.96 83	50.93 7,934
DREWGARD CONC. (MG/L) WEIGHT (KGS)		0.14 1	0.10 1							0.17 2	0.12 1	0.02 0	0.04 6
ETHYL ALCOHOL CONC. (MG/L) WEIGHT (KGS)	0.26 2	0.30 2	0.21 2	0.21 2	0.17 2	0.14 2	0.14 2	0.12 2	0.16 2	0.17 2	0.24 2	0.23 2	0.18 28
ETHYLENEDIAMINE TETRAACETIC ACID CONC. (MG/L) WEIGHT (KGS)	0.85 8	0.74 6	0.42 5	0.21 2	0.07 1	0.11 2	0.03 0		0.09 1	0.59 8	0.59 6	0.80 8	0.31 48
JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)	42.50 385	18.63 148	13.01 148	11.88 135	22.33 312	13.70 233	25.08 437	26.79 510	19.50 289	41.61 569	7.98 78	24.60 255	22.46 3,498
POTASSIUM HYDROXIDE CONC. (MG/L) WEIGHT (KGS)	0.85 8	0.74 6	0.42 5	0.21 2	0.07 1	0.11 2	0.03 0		0.09 1	0.59 8	0.59 6	0.80 8	0.31 48
SODIUM ION CONC. (MG/L) WEIGHT (KGS)	78.52 712	76.56 608	59.15 673	66.02 752	23.19 324	30.29 514	0.21 4	6.33 120	40.02 592	3.14 43	88.67 866	7.66 79	33.94 5,288
SODIUM LIGNOSULFONATE CONC. (MG/L) WEIGHT (KGS)	0.85 8	0.74 6	0.42 5	0.21 2	0.07 1	0.11 2	0.03 0		0.09 1	0.59 8	0.59 6	0.80 8	0.31 48

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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12-JUL-95

CFA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-1
CFA

RELEASE POINT DESCRIPTION													ANNUAL TOT
SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	VOL/WEIGHT
													AVG CONC
SEWAGE PLANT													
SUBSURFACE													
SULFITE ION													
CONC. (MG/L)	3.88	3.82	3.23	1.10	0.33	0.55	0.37		0.42	2.04	3.28	4.01	1.56
WEIGHT (KGS)	35	30	37	13	5	9	6		6	28	32	42	243

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 1994

11-JUL-95

CFA LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 136-1
 CFA

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS				9.9				12.2			124.6		146.8
ASPHALT	3.8			0.8	5.7	0.8	68.0		6.9		39.8	6.9	132.7
CAFETERIA GARBAGE	165.9	163.6	144.5	136.5	171.3	195.7	160.6	166.7	188.5	162.1	174.7	134.6	1,964.6
DIRT AND GRAVEL	18.4		87.9	12.6	135.0	176.6	7.3	69.6	12.6	8.0	71.9	514.6	1,114.4
MASONRY AND CONCRETE	78.0	18.7	64.2	24.8	566.6	29.4	460.7	45.9	682.0	691.6	57.3	13.8	2,733.1
SCRAP METAL	6.5	41.3	20.6	32.9	24.5	34.0	40.1	57.0	25.6	59.3	39.0	23.7	404.5
TRASH, SWEEPINGS, ETC.	502.7	483.6	680.5	446.1	490.5	510.4	520.7	676.7	537.5	577.3	579.2	423.2	6,428.4
WEEDS, GRASS AND TREES			3.1	1.1	0.4	0.8		19.1	14.1	11.5	3.1		53.1
WOOD AND SCRAP LUMBER	28.3	18.4	21.8	21.4	18.4	35.6	26.0	36.3	52.8	26.4	78.8	13.8	377.7
GRAND TOTALS:	803.6	725.6	1,022.7	686.2	1,412.2	983.3	1,283.4	1,083.4	1,520.0	1,536.1	1,168.3	1,130.5	13,355.3

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

11-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
 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
WATER DATA													
001 WATER PUMPED (L)	585	21	920	811	1,061	5,856	2,983	1,622	1,441	28,163	21,936	106,824	172,224
002 WATER PUMPED (L)	18,984	26,316	31,824	21,422	40,693	58,522	46,825	73,285	42,132	26,388	26,388	18,919	431,698
EBR WATER PUMPED (L)	144	163	178	299	159	172	172	163	394	114	117	432	2,506
FS2 WATER PUMPED (L)	68	92	165	249	63	63	63	104	701	89	69	44	1,769
MNG WATER PUMPED (L)	118	74	151	191	420	316	316	542	1,179	149	103	206	3,766
PTI WATER PUMPED (L)	70	14	21	45	163	113	113	471	470	227	273	345	2,327
WATER PUMPED (L)	19,970	26,680	33,259	23,017	42,558	65,043	50,473	76,187	46,317	55,130	48,887	126,770	614,290
WATER DISPOSED													
AIR (L)													
SURFACE (L)	525	920	1,069	1,085	13,624	28,440	22,341	39,671	11,222	2,044	1,928	5,768	128,636
SUBSURFACE (L)		0	0	0						0	0	0	0
SEWAGE DATA													
691 BUILD VOL (L)	9,066	7,946	11,375	11,386	13,953	16,978	17,428	19,029	14,797	13,665	9,766	10,376	155,765
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	49.0	64.0	69.6	56.0	40.0	81.2	58.0	41.0	54.4	85.5	116.7	56.0	64.3
FINAL CONC. (MG/L)	10.5	10.5	9.4	10.8	9.8	11.4	8.3	9.3	7.2	9.3	9.3	8.2	9.5
% REMOVED	78.6	83.6	86.5	80.7	75.5	86.0	85.7	77.3	86.8	89.1	92.0	85.4	85.2
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	3.0	3.3	2.1	7.6	2.0	1.6	1.3	1.8	1.6	1.8	1.9	2.7	2.6
FINAL CONC. (MG/L)	5.9	7.4	5.9	2.4	5.3	5.4	4.7	4.0	4.2	4.4	5.4	6.0	5.1
INCREASED FACTOR	1.0	1.2	1.8	-0.7	1.7	2.4	2.6	1.2	1.6	1.4	1.8	1.2	1.0
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	7.1	10.1	6.8	7.3	9.1	6.9	7.5	6.7	9.4	7.0	8.6	6.9	7.8
FINAL CONC. (ML/L)	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
% REMOVED	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0
PH FINAL	8.0	7.8	7.5	6.8	7.6	7.6	7.7	7.7	7.6	7.6	7.7	7.6	7.6

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

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

11-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
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)	9,066	7,946	11,375	11,386	13,953	16,978	17,428	19,029	14,797	13,665	9,766	10,376	155,765
TOTAL WATER DISPOSED(L)	9,591	8,865	12,444	12,471	27,577	45,417	39,769	58,700	26,019	15,710	11,694	16,144	284,401
ACCOUNTABILITY (%)	48.0	33.2	37.4	54.2	64.8	69.8	78.8	77.0	56.2	28.5	23.9	12.7	46.3

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 1994

13-JUL-95

CFA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 138-I
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)	67	60	28	37	18	9	9	14	18	13	21	104	398
SO2 (KGS)	0	0	0	0	0	0	0	0	0	0	0	1	2
NOX (KGS)													
PARTICULATES (KGS)													
DIESEL													
VOLUME (LITERS)	28	7	2	2		8	3	7	9	9	14	5	93
SO2 (KGS)	0	0	0	0		0	0	0	0	0	0	0	1
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	94	68	30	38	18	17	12	21	27	22	35	109	491
SO2 (KGS)	1	0	0	0	0	0	0	0	0	0	0	1	3
NOX (KGS)													
PARTICULATES (KGS)													

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

Chemical Processing Plant 1994 Detail Data

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UNITED STATES DEPARTMENT OF ENERGY
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13-JUL-95

CPP AIRBORNE DISPOSED SUBSTANCES SUMMARY

RPT 144-I
CPP

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
NITRIC OXIDE WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0
NITROGEN DIOXIDE WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0

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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UNITED STATES DEPARTMENT OF ENERGY
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FOR JANUARY THROUGH DECEMBER 1994

13-JUL-95

CPP AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 144-1
CPP

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
STACK 708													
VOLUME (1000 CM)	130,000	130,000	120,000	127,000	127,000	124,000	119,000	126,000	127,000	125,000	127,000	117,000	1,499,000
NITRIC OXIDE													
CONC. (CC/CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0
NITROGEN DIOXIDE													
CONC. (CC/CM)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0

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 1994

13-JUL-95

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)		0											0
BARIUM WEIGHT (KGS)	21	18	15	18	18	16	0	4	14	15	15	15	169
CADMIUM WEIGHT (KGS)	2												2
CHLORIDE ION WEIGHT (KGS)	56,934	40,928	56,734	53,323	46,087	48,605	0	14,670	44,282	38,970	40,529	51,063	492,125
CHROMIUM WEIGHT (KGS)					3	2					2		7
FLUORIDE ION WEIGHT (KGS)		35	46	42	44	31	0	9	35	30	33	32	335
LEAD WEIGHT (KGS)												5	5
NITRATE ION WEIGHT (KGS)	1,095	737	1,008	1,250	2,231	2,665	0	225	784	696	771	737	12,198
SILVER WEIGHT (KGS)						4							4
SODIUM ION WEIGHT (KGS)	39,917	24,711	33,251	33,796	31,339	27,255	0	2,378	28,913	21,179	25,198	25,162	293,099
SULFATE ION WEIGHT (KGS)	5,777	4,541	5,944	5,257	4,996	4,330	0	1,108	4,413	3,911	4,357	4,070	48,704

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

CPP-5

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

13-JUL-95

CPP RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 145-I
CPP

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
S PERCOLATION POND VOLUME (1000 L) PH	SURFACE 210,090	154,444	207,818	187,756	184,349	151,416	133,246	37,800	152,173	141,195	151,795	148,009	1,860,092
ARSENIC CONC. (MG/L) WEIGHT (KGS)		0.00 0											0.00 0
BARIUM CONC. (MG/L) WEIGHT (KGS)	0.10 21	0.12 18	0.07 15	0.09 18	0.10 18	0.11 16	0.09 12	0.10 4	0.09 14	0.11 15	0.10 15	0.10 15	0.10 181
CADMIUM CONC. (MG/L) WEIGHT (KGS)	0.01 2												0.00 2
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)	271.00 56,934	265.00 40,928	273.00 56,734	284.00 53,323	250.00 46,087	321.00 48,605	271.00 36,110	388.09 14,670	291.00 44,282	276.00 38,970	267.00 40,529	345.00 51,063	283.98 528,235
CHROMIUM CONC. (MG/L) WEIGHT (KGS)					0.02 3	0.01 2					0.01 2		0.00 7
FLUORIDE ION CONC. (MG/L) WEIGHT (KGS)		0.23 35	0.22 46	0.22 42	0.24 44	0.21 31	0.22 29	0.23 9	0.23 35	0.21 30	0.22 33	0.21 32	0.20 364
LEAD CONC. (MG/L) WEIGHT (KGS)												0.03 5	0.00 5
NITRATE ION CONC. (MG/L) WEIGHT (KGS)	5.21 1,095	4.77 737	4.85 1,008	6.66 1,250	12.10 2,231	17.60 2,665	5.45 726	5.95 225	5.15 784	4.93 696	5.08 771	4.98 737	6.95 12,924

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 1994

13-JUL-95

CPP RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 145-1
CPP

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
S PERCOLATION POND SURFACE													
SILVER													
CONC. (MG/L)						0.03							0.00
WEIGHT (KGS)						4							4
SODIUM ION													
CONC. (MG/L)	190.00	160.00	160.00	180.00	170.00	180.00	1.60	62.91	190.00	150.00	166.00	170.00	157.69
WEIGHT (KGS)	39,917	24,711	33,251	33,796	31,339	27,255	213	2,378	28,913	21,179	25,198	25,162	293,312
SULFATE ION													
CONC. (MG/L)	27.50	29.40	28.60	28.00	27.10	28.60	28.40	29.30	29.00	27.70	28.70	27.50	28.22
WEIGHT (KGS)	5,777	4,541	5,944	5,257	4,996	4,330	3,784	1,108	4,413	3,911	4,357	4,070	52,488

CPP-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

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IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
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13-JUL-95

CPP LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 146-I
 CPP

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS					107.0		96.3						203.4
ASPHALT	3.4		45.9	144.5	485.5	195.4	123.1	644.9	393.8	1,288.4	118.5	0.4	3,443.8
CAFETERIA GARBAGE	18.4							12.2					30.6
DIRT AND GRAVEL	110.9	223.3	5,500.5	5,654.2	1,292.9	410.6	3,119.6	2,952.1	1,608.0	1,261.2	1,139.3		23,272.5
MASONRY AND CONCRETE	3.1	1.5	76.1	58.1	20.3	107.8	10.3	19.9	105.1	95.2	211.8		709.2
SCRAP METAL	3.1	6.5	27.9	9.9	34.0	26.8	21.0	113.2	45.5	37.1	49.3	6.1	380.4
TRASH, SWEEPINGS, ETC.	626.2	496.6	597.5	516.5	521.8	1,148.0	682.8	576.5	458.4	516.1	453.4	182.0	6,775.9
WEEDS, GRASS AND TREES				6.1	1.9			0.4	1.9	6.1			16.4
WOOD AND SCRAP LUMBER	17.2	41.3	87.5	65.0	31.7	37.8	27.9	148.0	59.3	34.4	37.5		587.6
GRAND TOTALS:	782.2	769.2	6,335.5	6,454.4	2,495.3	1,926.4	4,081.1	4,467.2	2,671.9	3,238.5	2,009.8	188.5	35,419.7

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

13-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
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
WATER DATA													
616 WATER PUMPED (L)	202,897	187,756	218,418	201,005	213,875	164,665	209,711	164,286	127,189	147,631	120,376	118,862	2,076,670
WATER PUMPED (L)	202,897	187,756	218,418	201,005	213,875	164,665	209,711	164,286	127,189	147,631	120,376	118,862	2,076,670
WATER DISPOSED													
AIR (L)													
SURFACE (L)	210,090	154,444	207,818	187,756	184,349	151,416	133,246	143,088	152,552	141,195	151,795	148,009	1,965,758
SUBSURFACE (L)													
SEWAGE DATA													
615 BUILD VOL (L)	11,773	5,186		7,230	16,807	22,372	11,924	7,382	5,413	3,861	6,208	7,533	105,688
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	155.0	108.0		158.0	100.0	164.0	123.0	103.0	92.0	133.0	90.0	98.0	120.4
FINAL CONC. (MG/L)	15.0	22.0		33.0	37.0	57.0	47.0	17.0	16.0	22.0	10.0	10.0	26.0
% REMOVED	90.3	79.6		79.1	63.0	65.2	61.8	83.5	82.6	83.5	88.9	89.8	78.4
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	1.1	0.9		0.9	1.1	1.1	0.9	0.8	0.8	1.2	1.7	1.5	1.1
FINAL CONC. (MG/L)	3.8	4.4		6.9	5.5	6.4	5.0	3.5	4.9	7.2	9.3	10.3	6.1
INCREASED FACTOR	2.5	3.9		6.7	4.0	4.8	4.6	3.4	5.1	5.0	4.5	5.9	4.6
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL	8.0	7.8		7.9	8.0	8.4	9.0	7.7	7.7	8.0	8.4	8.1	8.1
TOTAL SEWAGE(L)	11,773	5,186		7,230	16,807	22,372	11,924	7,382	5,413	3,861	6,208	7,533	105,688
TOTAL WATER DISPOSED(L)	221,862	159,630	207,818	194,986	201,156	173,788	145,170	150,470	157,965	145,057	158,003	155,542	2,071,447

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

13-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
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
ACCOUNTABILITY (%)	109.3	85.0	95.1	97.0	94.1	105.5	69.2	91.6	124.2	98.3	131.3	130.9	99.7

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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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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FOR JANUARY THROUGH DECEMBER 1994

13-JUL-95

CPP FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 148-I
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)	277	306	893	821	488	186	18	0	210	613	329	110	4,252
SO2 (KGS)	5	5	15	14	8	3	0	0	3	10	5	2	71
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	277	306	893	821	488	186	18	0	210	613	329	110	4,252
SO2 (KGS)	5	5	15	14	8	3	0	0	3	10	5	2	71
NOX (KGS)													
PARTICULATES (KGS)													

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

13-JUL-95

INEL COAL SUMMARY
 FOR JANUARY THROUGH DECEMBER 1994

RPT 8-1

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CPP													
TONS BURNED	1,260	827				1,035	873	1,778	602		856	1,492	8,723
AVG BTUs	.01000	.01280				.01254	.01000	.01000	.01000		.01000	.01000	.01067
NO2 (M TONS)	8	6				8	6	12	4		5	9	57
SO2 (M TONS)	1							1				1	4
GRAND TOTALS:													
TONS BURNED	1,260	827				1,035	873	1,778	602		856	1,492	8,723
NO2 (M TONS)	8	6				8	6	12	4		5	9	57
SO2 (M TONS)	1							1				1	4

CPP-12

BASED ON AN EXTENSIVE REVIEW OF EMISSIONS DATA, CORRECTIONS TO SO2 EMITTED DATA HAVE BEEN PPERFORMED.
 DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
 0 IN A COLUMN INDICATES A TOTAL OF < 0.5

Decontamination and Decommissioning 1994 Detail Data

Report 6—DAD Landfill Solid Disposed Waste Summary D&D-3, .

1994 Detail Data

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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

24-MAR-95

DAD LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 6-1
DAD

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DIRT AND GRAVEL												0.4	0.4
MASONRY AND CONCRETE												14.1	14.1
SCRAP METAL												52.8	52.8
TRASH, SWEEPINGS, ETC.												2.3	2.3
WOOD AND SCRAP LUMBER												19.1	19.1
GRAND TOTALS:												88.7	88.7

D&D-3

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

Naval Reactors Facility 1994 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	NRF-8
Report 188—NRF Fuel Oil Usage And Stack Effluents Summary	NRF-10

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UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

26-JUL-95

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)	20	3	5	6	7	7	7	4	8	3	3	5	78

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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26-JUL-95

NRF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 185-1
 NRF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
BENZOTRIAZOLE WEIGHT (KGS)		7	0	0	0	1	1	0	1	1	1	1	13
CALCIUM ION WEIGHT (KGS)		9	8	4	13	13	9	6	6	6	9	12	94
CHLORIDE ION WEIGHT (KGS)		3,471	4,682	4,334	16,884	25,076	2,557	6,304	6,022	6,535	14,089	5,632	95,586
HYPOCHLORITE ION WEIGHT (KGS)		23	21	11	33	33	24	14	14	15	24	30	242
PHOSPHATE ION WEIGHT (KGS)											4	6	10
SODIUM HYDROXIDE WEIGHT (KGS)		22	1	1	1	2	2	1	2	2	3	2	39
SODIUM ION WEIGHT (KGS)		2,378	2,090	6,134	6,955	7,972	1,095	3,301	2,737	3,138	5,636	3,614	45,049
SULFATE ION WEIGHT (KGS)		9,372	2,174	9,668	8,040	14,970	3,992	6,714	10,585	8,122	6,295	7,509	87,442

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 1994

26-JUL-95

NRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 185-I
NRF

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
SEWAGE POND VOLUME (1000 L) PH	SURFACE 3,701 10.1	3,324 8.6	3,642 7.7	4,047 9.9	4,558 10.3	4,474 9.8	4,849 10.0	4,872 9.8	3,780 11.1	2,951 10.7	5,050 10.5	5,224 9.9	50,471 9.9
WASTE DITCH VOLUME (1000 L) PH	SURFACE 61,513	34,712 7.7	33,444 7.6	33,338 7.4	40,201 7.3	37,426 7.7	44,857 7.8	51,254 7.8	36,499 7.8	36,919 7.8	29,977 7.9	23,466 7.9	463,606 7.7
BENZOTRIAZOLE CONC. (MG/L) WEIGHT (KGS)		0.21 7	0.01 0	0.01 0	0.01 0	0.01 1	0.02 1	0.01 0	0.02 1	0.02 1	0.03 1	0.03 1	0.03 13
CALCIUM ION CONC. (MG/L) WEIGHT (KGS)		0.25 9	0.25 8	0.12 4	0.32 13	0.35 13	0.21 9	0.11 6	0.15 6	0.16 6	0.31 9	0.49 12	0.20 94
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)		100.00 3,471	140.00 4,682	130.00 4,334	420.00 16,884	670.00 25,076	57.00 2,557	123.00 6,304	165.00 6,022	177.00 6,535	470.00 14,089	240.00 5,632	206.18 95,586
HYPOCHLORITE ION CONC. (MG/L) WEIGHT (KGS)		0.65 23	0.64 21	0.32 11	0.83 33	0.89 33	0.53 24	0.28 14	0.39 14	0.42 15	0.79 24	1.26 30	0.52 242
PHOSPHATE ION CONC. (MG/L) WEIGHT (KGS)											0.15 4	0.25 6	0.02 10
SODIUM HYDROXIDE CONC. (MG/L) WEIGHT (KGS)		0.63 22	0.02 1	0.03 1	0.03 1	0.04 2	0.05 2	0.02 1	0.06 2	0.06 2	0.09 3	0.10 2	0.08 39

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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FOR JANUARY THROUGH DECEMBER 1994

26-JUL-95

NRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 185-I
NRF

RELEASE POINT DESCRIPTION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
SUBSTANCE														
WASTE DITCH	SURFACE													
SODIUM ION														
CONC. (MG/L)			68.50	62.50	184.00	173.00	213.00	24.40	64.40	75.00	85.00	188.00	154.00	97.17
WEIGHT (KGS)			2,378	2,090	6,134	6,955	7,972	1,095	3,301	2,737	3,138	5,636	3,614	45,049
SULFATE ION														
CONC. (MG/L)			270.00	65.00	290.00	200.00	400.00	89.00	131.00	290.00	220.00	210.00	320.00	188.61
WEIGHT (KGS)			9,372	2,174	9,668	8,040	14,970	3,992	6,714	10,585	8,122	6,295	7,509	87,442

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 1994

27-JUL-95

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	24.5	30.6			24.5	24.5	12.2	71.9	45.9	0.8	12.2	58.1	305.1
ASPHALT			6.1	108.6	53.5	20.6	22.2	8.4	277.5	331.1	269.9	1.5	1,099.5
CAFETERIA GARBAGE	95.6	67.3	78.8	81.0	87.2	122.3	78.0	107.0	93.3	72.6	73.4	45.9	1,002.4
DIRT AND GRAVEL			9.2	34.4	7.6		7.6	9.9	7.3		22.9	0.8	99.8
MASONRY AND CONCRETE			3.1	17.6	11.1	26.0	3.1	26.8	35.9	45.1	42.8	3.1	214.5
SCRAP METAL	15.3	21.4	11.5	22.2	22.2	15.3	6.1	12.6	21.4	15.7	17.2	3.8	184.7
TRASH, SWEEPINGS, ETC.	671.3	570.4	708.0	635.4	618.9	532.2	587.2	952.7	645.3	539.8	406.0	352.5	7,219.7
WEEDS, GRASS AND TREES						7.6							7.6
WOOD AND SCRAP LUMBER	32.1	5.4	33.6	27.5	6.1	8.4	12.2	23.3	8.4	9.9	13.0	6.1	186.2
GRAND TOTALS:	838.8	695.0	850.2	926.7	831.1	757.0	728.7	1,212.7	1,135.0	1,015.0	857.5	471.8	10,319.4

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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 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

27-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
 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)	6,677	6,908	3,176	4,864	6,280	10,792	9,441	18,196	6,840	738	901	1,109	75,924
002 WATER PUMPED (L)	51,784	12,465	10,039	10,308	9,672	9,751	10,800	8,237	8,506	9,066	9,229	10,804	160,660
003 WATER PUMPED (L)	1,291	15	106	15	19	64	79	79	53	45	61	45	1,874
004 WATER PUMPED (L)	25,184	21,827	29,159	28,250	35,511	28,023	36,586	34,072	32,789	33,130	27,739	21,721	353,992
WATER PUMPED (L)	84,937	41,215	42,480	43,437	51,481	48,631	56,906	60,585	48,188	42,979	37,930	33,679	592,449
WATER DISPOSED													
AIR (L)	19,714	3,182	5,390	6,049	6,712	6,730	7,207	4,455	7,911	3,918	2,903	4,989	79,161
SURFACE (L)	61,513	34,712	33,444	33,338	40,201	37,426	44,857	51,254	36,499	36,113	29,977	23,466	462,799
SUBSURFACE (L)													
SEWAGE DATA													
722 BUILD VOL (L)	3,701	3,324	3,642	4,047	4,558	4,474	4,849	4,872	3,780	2,951	5,050	5,224	50,471
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)	45.0	52.0	29.0	21.0	64.0	15.0	125.0	21.0	40.0	32.0	13.0	33.0	40.8
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)	0.8	1.6	2.2	13.9	14.9	11.4	5.1	8.7	17.6	12.4	11.5	0.8	8.4
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL	10.1	8.6	7.7	9.9	10.3	9.8	10.0	9.8	11.1	10.7	10.5	10.4	9.9
TOTAL SEWAGE(L)	3,701	3,324	3,642	4,047	4,558	4,474	4,849	4,872	3,780	2,951	5,050	5,224	50,471

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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FOR JANUARY THROUGH DECEMBER 1994
NRF WATER USAGE AND DISPOSAL SUMMARY

RPT 187-1
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)	84,928	41,218	42,476	43,434	51,470	48,631	56,913	60,582	48,190	42,982	37,929	33,679	592,432
ACCOUNTABILITY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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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NRF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 188-1
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)	368	326	238	160					4	194	335	372	1,997
SO2 (KGS)	11	10	7	5					0	6	10	11	60
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	368	326	238	160					4	194	335	372	1,997
SO2 (KGS)	11	10	7	5					0	6	10	11	60
NOX (KGS)													
PARTICULATES (KGS)													

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

NRF-10

Power Burst Facility 1994 Detail Data

Report 195—PBF Liquid Disposed Substances Summary	PBF-3
Report 195—PBF Release Point And Liquid Disposed Substances Summary	PBF-6
Report 196—PBF Landfill Solid Disposed Waste Summary	PBF-11
Report 197—PBF Water Usage And Disposal Summary	PBF-12
Report 198—PBF Fuel Oil Usage And Stack Effluents Summary	PBF-14

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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27-JUL-95

PBF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-I
PBF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION WEIGHT (KGS)									0				0
DODECYLGUANIDINE HYDROCHLORIDE WEIGHT (KGS)									3				3
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)		0	0										1
HEDP WEIGHT (KGS)									3	1			3
HPS I CARBOXAL ACID WEIGHT (KGS)									6	6			12
HYDROXYCARBONS WEIGHT (KGS)									2				2
ISOPROPYL ALCOHOL WEIGHT (KGS)									1				1
JANITORIAL SUPPLIES WEIGHT (KGS)	9	9	10	9	9	9	9	9	9	9	14	14	59
METHYLENE BIS(THIOCYANATE) WEIGHT (KGS)									1				1
MOLYBDATE SALT WEIGHT (KGS)									0				0
N-HYDROCARBON WEIGHT (KGS)									9				9
NITRITE SALT WEIGHT (KGS)									0				0
ORTHO PHOSPHATE WEIGHT (KGS)									4	4			9

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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PBF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-1
PBF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
PHOSPHATE WEIGHT (KGS)									4				4
POLYACRYLATE WEIGHT (KGS)									3				3
POLYACRYLATE ACID WEIGHT (KGS)									0				0
POLYALKYLENE GLYCOL WEIGHT (KGS)									13				13
POTASSIUM HYDROXIDE WEIGHT (KGS)		0	0						1	1			1
POTASSIUM ION WEIGHT (KGS)									1				1
PYRO PHOSPHATE WEIGHT (KGS)									2	2			4
SALT OF EDTA WEIGHT (KGS)									0				0
SODIUM HYDROXIDE WEIGHT (KGS)									0				0
SODIUM ION WEIGHT (KGS)	0	1	1						1	0		0	1
SODIUM LIGNOSULFONATE WEIGHT (KGS)		0	0										1
SULFATE ION WEIGHT (KGS)									59				59
SULFITE ION WEIGHT (KGS)	0	2	2							0		0	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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PBF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-1
PBF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TOLYTRIAZOLE WEIGHT (KGS)									2	1			3

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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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PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-I
PBF

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
DRAINAGE BOILER SURFACE VOLUME (1000 L) PH	4	4	4							4		4	19
ETHYLENEDIAMINE TETRAACETIC ACID CONC. (MG/L) WEIGHT (KGS)		99.70 0	99.70 0										39.88 1
POTASSIUM HYDROXIDE CONC. (MG/L) WEIGHT (KGS)		99.70 0	99.70 0										39.88 1
SODIUM ION CONC. (MG/L) WEIGHT (KGS)	46.23 0	231.37 1	231.37 1							16.52 0		9.24 0	106.95 2
SODIUM LIGNOSULFONATE CONC. (MG/L) WEIGHT (KGS)		99.70 0	99.70 0										39.88 1
SULFITE ION CONC. (MG/L) WEIGHT (KGS)	80.43 0	402.51 2	402.51 2							16.08 0		16.08 0	183.52 3
EVAPORATION POND SURFACE VOLUME (1000 L) PH									303	151			454
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)									0.86 0				0.57 0

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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PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-I
 PBF

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
EVAPORATION POND HEDP													
CONC. (MG/L)									8.67	5.76			7.70
WEIGHT (KGS)									3	1			3
HPS I CARBOXAL ACID													
CONC. (MG/L)									19.93	37.19			25.68
WEIGHT (KGS)									6	6			12
HYDROXYCARBONS													
CONC. (MG/L)									6.14				4.09
WEIGHT (KGS)									2				2
MOLYBDATE SALT													
CONC. (MG/L)									0.63				0.42
WEIGHT (KGS)									0				0
N-HYDROCARBON													
CONC. (MG/L)									28.62				19.08
WEIGHT (KGS)									9				9
NITRITE SALT													
CONC. (MG/L)									0.95				0.63
WEIGHT (KGS)									0				0
ORTHO PHOSPHATE													
CONC. (MG/L)									14.71	27.45			18.96
WEIGHT (KGS)									4	4			9
PHOSPHATE													
CONC. (MG/L)									12.71				8.47
WEIGHT (KGS)									4				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
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PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-I
 PBF

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
EVAPORATION POND SURFACE													
POLYACRYLATE													
CONC. (MG/L)									11.51				7.67
WEIGHT (KGS)									3				3
POLYACRYLATE ACID													
CONC. (MG/L)									0.06				0.04
WEIGHT (KGS)									0				0
POTASSIUM HYDROXIDE													
CONC. (MG/L)									2.37	4.43			3.06
WEIGHT (KGS)									1	1			1
POTASSIUM ION													
CONC. (MG/L)									2.01				1.34
WEIGHT (KGS)									1				1
PYRO PHOSPHATE													
CONC. (MG/L)									7.35	13.73			9.48
WEIGHT (KGS)									2	2			4
SALT OF EDTA													
CONC. (MG/L)									0.06				0.04
WEIGHT (KGS)									0				0
SODIUM HYDROXIDE													
CONC. (MG/L)									0.06				0.04
WEIGHT (KGS)									0				0
SODIUM ION													
CONC. (MG/L)									3.14				2.09
WEIGHT (KGS)									1				1

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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PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-1
 PBF

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
EVAPORATION POND SURFACE													
SULFATE ION									194.29				129.53
CONC. (MG/L)									59				59
WEIGHT (KGS)													
TOLYTRIAZOLE									5.26	7.08			5.87
CONC. (MG/L)									2	1			3
WEIGHT (KGS)													
SEPTIC TANK (PBF) SUBSURFACE													
VOLUME (1000 L)	239	376	428	704	615	1,465	401	876	575	505	321	458	6,963
PH													
DODECYLGUANIDINE HYDROCHLORIDE									5.18				0.43
CONC. (MG/L)									3				3
WEIGHT (KGS)													
ISOPROPYL ALCOHOL									1.73				0.14
CONC. (MG/L)									1				1
WEIGHT (KGS)													
JANITORIAL SUPPLIES									7.88	8.99	21.19	14.87	8.67
CONC. (MG/L)	18.99	12.05	13.77	6.45	7.37	3.10	11.32	5.18	5	5	7	7	60
WEIGHT (KGS)	5	5	6	5	5	5	5	5					
METHYLENE BIS(THIOCYANATE)									1.73				0.14
CONC. (MG/L)									1				1
WEIGHT (KGS)													
POLYALKYLENE GLYCOL									22.44				1.85
CONC. (MG/L)									13				13
WEIGHT (KGS)													
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
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

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PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-1
PBF

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
SEPTIC TANK (WERF) VOLUME (1000 L) PH	SUBSURFACE 119	188	214	352	307	732	201	438	288	252	161	229	3,481
JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)	37.98 5	24.10 5	21.19 5	12.89 5	14.75 5	6.19 5	22.62 5	10.36 5	15.77 5	17.98 5	42.38 7	29.73 7	16.94 59

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 1994

27-JUL-95

PBF LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 196-I
 PBF

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASPHALT											12.2		12.2
DIRT AND GRAVEL										10.7			10.7
MASONRY AND CONCRETE			0.4	0.4	5.4					0.4			6.5
SCRAP METAL	1.9	0.4	3.1	1.5	2.7			8.8	0.4	5.4	0.4	2.3	26.8
TRASH, SWEEPINGS, ETC.	84.1	47.4	81.0	63.5	52.8	35.9	37.1	73.0	40.1	53.1	41.3	35.9	645.3
WEEDS, GRASS AND TREES				0.4			1.1	0.8		0.4			2.7
WOOD AND SCRAP LUMBER	5.0	5.4	3.4	2.3	3.1	0.8	0.4	0.4	0.4	3.1	1.1	0.4	25.6
GRAND TOTALS:	91.0	53.1	87.9	68.0	63.8	36.7	38.6	83.0	40.9	73.0	55.1	38.6	729.8

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 1994
 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)	663	1,041	1,148	1,943	1,700	4,069	1,114	203	50	1,384	546	572	14,434
002 WATER PUMPED (L)	0	4	41	12	9	1	401	2,230	1,547	18	346	700	5,308
WATER PUMPED (L)	664	1,046	1,189	1,955	1,708	4,070	1,515	2,433	1,598	1,401	892	1,272	19,742
WATER DISPOSED													
AIR (L)													
SURFACE (L)	199	314	357	586	513	1,221	334	730	479	421	268	385	5,806
SUBSURFACE (L)													
SEWAGE DATA													
619 BUILD VOL (L)	119	188	214	352	307	732	201	438	288	252	161	229	3,481
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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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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FOR JANUARY THROUGH DECEMBER 1994
PBF WATER USAGE AND DISPOSAL SUMMARY

RPT 197-I
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)	239	376	428	704	615	1,465	401	876	575	505	321	458	6,963
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)	358	565	642	1,056	923	2,198	601	1,314	863	757	482	687	10,444
TOTAL WATER DISPOSED(L)	557	878	999	1,642	1,435	3,419	936	2,044	1,342	1,177	749	1,072	16,251
ACCOUNTABILITY (%)	84.0	84.0	84.0	84.0	84.0	84.0	61.8	84.0	84.0	84.0	84.0	84.3	82.3

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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PBF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 198-1
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					2		9	11		60
SO2 (KGS)	0		0					0		0	0		0
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	20		19					2		9	11		60
SO2 (KGS)	0		0					0		0	0		0
NOX (KGS)													
PARTICULATES (KGS)													

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

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Radioactive Waste Management Complex 1994 Detail Data

Report 256—WMC Landfill Solid Disposed Waste Summary	WMC-3
Report 257—WMC Water Usage And Disposal Summary	WMC-4

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 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
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WMC LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 256-1
 WMC

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DIRT AND GRAVEL										155.2			155.2
MASONRY AND CONCRETE											1.9		1.9
SCRAP METAL			4.2	3.1	0.4	3.1	3.1	0.8	6.1				20.6
TRASH, SWEEPINGS, ETC.	61.6	61.2	73.8	68.8	57.0	58.9	79.9	80.3	92.9	48.6	55.4	71.9	810.1
WEEDS, GRASS AND TREES										2.3			2.3
WOOD AND SCRAP LUMBER			8.0		0.4	16.8	1.1	8.0	11.5	9.2			55.1
GRAND TOTALS:	61.6	61.2	86.0	71.9	57.7	78.8	84.1	89.1	110.5	215.2	57.3	71.9	1,045.2

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

27-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
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
WATER DATA													
WMC WATER PUMPED (L)	501	859	2,257	798	2,068	5,243	12,988	4,864	3,183	1,868	746	1,163	36,537
WATER PUMPED (L)	501	859	2,257	798	2,068	5,243	12,988	4,864	3,183	1,868	746	1,163	36,537
WATER DISPOSED													
AIR (L)													
SURFACE (L)													
SUBSURFACE (L)													
SEWAGE DATA													
WMC BUILD VOL (L)	85	146	161	142	150	157	79	119	104	104	266	253	1,767
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)	85	146	161	142	150	157	79	119	104	104	266	253	1,767
TOTAL WATER DISPOSED(L)	85	146	161	142	150	157	79	119	104	104	266	253	1,767

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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FOR JANUARY THROUGH DECEMBER 1994
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
ACCOUNTABILITY (%)	17.0	17.0	7.2	17.8	7.2	3.0	0.6	2.4	3.3	5.6	35.7	21.8	4.8

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

WMC-5

Special Manufacturing Capability 1994 Detail Data

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

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
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27-JUL-95

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)	228	253	216	125	96	91	62	29	82	121	197	228	1,728
SO2 (KGS)	1	1	1	1	0	0	0	0	0	1	1	1	9
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	228	253	216	125	96	91	62	29	82	121	197	228	1,728
SO2 (KGS)	1	1	1	1	0	0	0	0	0	1	1	1	9
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 1994 Detail Data

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

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 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

TAN LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 216-1
 TAN

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS									36.7	15.3		12.2	64.2
ASPHALT	18.4				5.4				12.2		12.2		48.2
CAFETERIA GARBAGE								9.2					9.2
DIRT AND GRAVEL	3.1				2.3				29.1				34.4
MASONRY AND CONCRETE		24.5			2.3	9.2	0.8	42.8	315.8	13.8	7.6		416.7
SCRAP METAL		18.4	6.5	21.8	43.6	69.6	18.4	14.1	50.5	7.6		3.4	253.8
TRASH, SWEEPINGS, ETC.	181.2	182.0	177.0	209.1	219.4	200.3	152.9	203.0	206.4	214.9	217.9	133.8	2,298.0
WOOD AND SCRAP LUMBER	13.0		6.1		7.6	6.1		29.1	6.1	6.1	13.8	0.4	88.3
GRAND TOTALS:	215.6	224.8	189.6	230.9	280.6	285.2	172.0	298.2	656.8	257.7	251.6	149.9	3,212.8

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

TAN-3

 

Test Reactor Area 1994 Detail Data

Report 235—TRA Liquid Disposed Substances Summary	TRA-3
Report 235—TRA Release Point And Liquid Disposed Substances Summary	TRA-6
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Report 237—TRA Water Usage And Disposal Summary	TRA-13
Report 238—TRA Fuel Oil Usage And Stack Effluents Summary	TRA-15

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

TRA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-1
TRA

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
(1-HYDROXYETHYLIDENE)BISPHOSPHONIC WEIGHT (KGS)	120	156		20	18	31	29	61	212	101	166	156	1,071
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN WEIGHT (KGS)	26	26		13	13	19	26	39	39	39	39	26	304
ACRYLIC POLYMER WEIGHT (KGS)	121	142		15	35	27	33	104	228	136	167	124	1,132
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE WEIGHT (KGS)	77	102		26	26	26	77	77	102	77	77	77	740
CARBOXYALKYLATED POLYSACCHARIDE WEIGHT (KGS)						0							0
CARBOXYLATED LIGNIN WEIGHT (KGS)						0							0
CHLORIDE ION WEIGHT (KGS)	40	40	50	40	40	40	40	40	50	40	40	50	0
DODECYLGUANIDINE HYDROCHLORIDE WEIGHT (KGS)	46	61		15	15	15	46	46	61	46	46	46	444
ETHYL ALCOHOL WEIGHT (KGS)	15	20		5	5	5	15	15	20	15	15	15	148
HYPOCHLORITE ION WEIGHT (KGS)			0	0	0								0
IMPURITY WEIGHT (KGS)	1	1		1	1	1	1	2	2	2	2	1	16
ISOPROPYL ALCOHOL WEIGHT (KGS)	15	20		5	5	5	15	15	20	15	15	15	148
METHYLENE BIS(THIOCYANATE) WEIGHT (KGS)	15	20		5	5	5	15	15	20	15	15	15	148

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

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27-JUL-95

TRA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-1
TRA

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
PHOSPHATE ION WEIGHT (KGS)	50	43	120	62	68	87	88	81	61	51	41	57	809
POLYALKYLENE GLYCOL WEIGHT (KGS)	199	265		66	66	66	199	199	265	199	199	199	0
POTASSIUM HYDROXIDE WEIGHT (KGS)	120	156		20	18	31	29	61	212	101	166	156	1,071
SILICONE EMULSION WEIGHT (KGS)	3	4		1	1	1	3	3	4	3	3	3	30
SODIUM HYDRATE SOLUTION WEIGHT (KGS)						3,888	4,421	4,525	5,522	45,019	5,366	5,196	73,937
SODIUM HYDROXIDE WEIGHT (KGS)	3	4		1	1	1	3	3	4	3	3	3	30
SODIUM ION WEIGHT (KGS)	8,486	5,988	3,685	2,675	2,709	26	26	26	32	26	26	32	327
SODIUM SULFATE WEIGHT (KGS)						0							0
SODIUM SULFITE WEIGHT (KGS)						0							0
SODIUM TOLYTRIAZOLE WEIGHT (KGS)	120	156		20	18	31	29	61	212	101	166	156	1,071
SODIUM TRIPOLYPHOSPHATE WEIGHT (KGS)						0							0
SULFATE ION WEIGHT (KGS)	19,998	22,272	7,349	5,150	5,789	9,542	5,551	11,586	30,134	19,574	27,270	17,618	91,117
TDS WEIGHT (KGS)	15,914	13,782	38,353	22,942	25,118	32,340	32,612	29,959	22,396	18,782	14,080	19,383	285,661

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

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TRA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-I
TRA

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TETRAPOTASSIUM PYROPHOSPHATE WEIGHT (KGS)	301	391		50	44	78	74	153	530	254	414	390	2,677
TOTAL HARDNESS WEIGHT (KGS)	10,941	9,475	26,368	14,261	15,614	20,103	20,272	18,623	13,922	12,284	9,525	13,112	184,500
TRIBUTYLTIN OXIDE WEIGHT (KGS)	15	20		5	5	5	15	15	20	15	15	15	148

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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TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-I
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 1,904	2,264	2,199	1,760	1,616	1,753	1,756	1,904	2,347	1,688	1,688	1,987	22,868
SODIUM HYDRATE SOLUTION CONC. (MG/L) WEIGHT (KGS)						2218.60 3,888	2517.25 4,421	2376.27 4,525	2353.04 5,522	26665.35 45,019	3178.35 5,366	2614.49 5,196	3,233.28 73,937
SODIUM ION CONC. (MG/L) WEIGHT (KGS)	4443.44 8,461	2633.87 5,962	1660.84 3,653	1505.13 2,649	1659.89 2,683								1,023.62 23,408
SULFATE ION CONC. (MG/L) WEIGHT (KGS)	6451.57 12,284	1594.28 3,609	3341.41 7,349	2925.68 5,150	3581.38 5,789	5444.39 9,542	3160.29 5,551	6084.72 11,586	3719.86 8,730	4460.93 7,531	8048.61 13,588	3.37 7	3,967.00 90,716
COLD WASTE POND VOLUME (1000 L) PH	SURFACE 49,733 7.8	43,070 7.8	119,853 7.8	62,005 7.7	67,887 7.7	87,405 7.7	88,139 7.7	80,970 7.7	60,529 7.7	50,762 7.8	41,412 7.8	57,008 7.8	808,773 7.8
(1-HYDROXYETHYLIDENE)BISPHOSPHONIC CONC. (MG/L) WEIGHT (KGS)	2.42 120	3.63 156		0.32 20	0.26 18	0.36 31	0.33 29	0.76 61	3.50 212	2.00 101	4.00 166	2.73 156	1.32 1,071
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN CONC. (MG/L) WEIGHT (KGS)	0.52 26	0.60 26		0.21 13	0.19 13	0.22 19	0.29 26	0.48 39	0.64 39	0.76 39	0.94 39	0.45 26	0.37 304
ACRYLIC POLYMER CONC. (MG/L) WEIGHT (KGS)	2.44 121	3.30 142		0.24 15	0.52 35	0.31 27	0.37 33	1.28 104	3.77 228	2.67 136	4.04 167	2.17 124	1.40 1,132

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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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
COLD WASTE POND SURFACE													
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE													
CONC. (MG/L)	1.54	2.37		0.41	0.38	0.29	0.87	0.95	1.69	1.51	1.85	1.34	0.92
WEIGHT (KGS)	77	102		26	26	26	77	77	102	77	77	77	740
CHLORIDE ION													
CONC. (MG/L)	0.80	0.92	0.41	0.64	0.58	0.45	0.45	0.49	0.82	0.78	0.96	0.87	0.62
WEIGHT (KGS)	40	40	50	40	40	40	40	40	50	40	40	50	505
DODECYLGUANIDINE HYDROCHLORIDE													
CONC. (MG/L)	0.92	1.42		0.25	0.23	0.18	0.52	0.57	1.01	0.90	1.11	0.81	0.55
WEIGHT (KGS)	46	61		15	15	15	46	46	61	46	46	46	444
ETHYL ALCOHOL													
CONC. (MG/L)	0.31	0.47		0.08	0.08	0.06	0.17	0.19	0.34	0.30	0.37	0.27	0.18
WEIGHT (KGS)	15	20		5	5	5	15	15	20	15	15	15	148
IMPURITY													
CONC. (MG/L)	0.03	0.03		0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.02	0.02
WEIGHT (KGS)	1	1		1	1	1	1	2	2	2	2	1	16
ISOPROPYL ALCOHOL													
CONC. (MG/L)	0.31	0.47		0.08	0.08	0.06	0.17	0.19	0.34	0.30	0.37	0.27	0.18
WEIGHT (KGS)	15	20		5	5	5	15	15	20	15	15	15	148
METHYLENE BIS(THIOCYANATE)													
CONC. (MG/L)	0.31	0.47		0.08	0.08	0.06	0.17	0.19	0.34	0.30	0.37	0.27	0.18
WEIGHT (KGS)	15	20		5	5	5	15	15	20	15	15	15	148
PHOSPHATE ION													
CONC. (MG/L)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
WEIGHT (KGS)	50	43	120	62	68	87	88	81	61	51	41	57	809

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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FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

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
COLD WASTE POND SURFACE													
POLYALKYLENE GLYCOL													
CONC. (MG/L)	4.00	6.16		1.07	0.98	0.76	2.26	2.46	4.38	3.92	4.81	3.49	2.38
WEIGHT (KGS)	199	265		66	66	66	199	199	265	199	199	199	1,924
POTASSIUM HYDROXIDE													
CONC. (MG/L)	2.42	3.63		0.32	0.26	0.36	0.33	0.76	3.50	2.00	4.00	2.73	1.32
WEIGHT (KGS)	120	156		20	18	31	29	61	212	101	166	156	1,071
SILICONE EMULSION													
CONC. (MG/L)	0.06	0.09		0.02	0.02	0.01	0.03	0.04	0.07	0.06	0.07	0.05	0.04
WEIGHT (KGS)	3	4		1	1	1	3	3	4	3	3	3	30
SODIUM HYDROXIDE													
CONC. (MG/L)	0.06	0.09		0.02	0.02	0.01	0.03	0.04	0.07	0.06	0.07	0.05	0.04
WEIGHT (KGS)	3	4		1	1	1	3	3	4	3	3	3	30
SODIUM ION													
CONC. (MG/L)	0.52	0.60	0.27	0.41	0.38	0.29	0.29	0.32	0.53	0.51	0.62	0.56	0.41
WEIGHT (KGS)	26	26	32	26	26	26	26	26	32	26	26	32	327
SODIUM TOLYTRIAZOLE													
CONC. (MG/L)	2.42	3.63		0.32	0.26	0.36	0.33	0.76	3.50	2.00	4.00	2.73	1.32
WEIGHT (KGS)	120	156		20	18	31	29	61	212	101	166	156	1,071
SULFATE ION													
CONC. (MG/L)	155.11	433.31			0.00				353.62	237.24	330.38	308.93	112.66
WEIGHT (KGS)	7,714	18,663			0				21,404	12,043	13,682	17,612	91,117
TDS													
CONC. (MG/L)	320.00	320.00	320.00	370.00	370.00	370.00	370.00	370.00	370.00	370.00	340.00	340.00	353.20
WEIGHT (KGS)	15,914	13,782	38,353	22,942	25,118	32,340	32,612	29,959	22,396	18,782	14,080	19,383	285,661

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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TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-I
 TRA

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
COLD WASTE POND SURFACE TETRAPOTASSIUM PYROPHOSPHATE CONC. (MG/L) 6.04 WEIGHT (KGS) 301		9.08 391		0.80 50	0.65 44	0.89 78	0.84 74	1.89 153	8.76 530	5.00 254	9.99 414	6.84 390	3.31 2,677
TOTAL HARDNESS CONC. (MG/L) WEIGHT (KGS)	220.00 10,941	220.00 9,475	220.00 26,368	230.00 14,261	230.00 15,614	230.00 20,103	230.00 20,272	230.00 18,623	230.00 13,922	242.00 12,284	230.00 9,525	230.00 13,112	228.12 184,500
TRIBUTYL TIN OXIDE CONC. (MG/L) WEIGHT (KGS)	0.31 15	0.47 20		0.08 5	0.08 5	0.06 5	0.17 15	0.19 15	0.34 20	0.30 15	0.37 15	0.27 15	0.18 148
COOLING TOWERS EVAP PH VOLUME (1000 L) PH	AIRBORNE 83,794	105,473											189,266
IRRIGATION SURFACE VOLUME (1000 L) PH				25,332	28,686	45,993	47,567	28,697	2,211				178,485
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)				0.00 0									0.00 0
HYPOCHLORITE ION CONC. (MG/L) WEIGHT (KGS)				0.00 0									0.00 0
RADIOACTIVE STREAM SURFACE VOLUME (1000 L) PH	1,700	2,748	2,347 7.7	1,949	1,018	1,423	2,778	2,661	2,752	2,279	2,002	2,351	26,009 7.7

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

TRA-9

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

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
RADIOACTIVE STREAM SURFACE													
CHLORIDE ION													
CONC. (MG/L)			0.00	0.00	0.00								0.00
WEIGHT (KGS)			0	0	0								0
HYPOCHLORITE ION													
CONC. (MG/L)			0.00	0.00	0.00								0.00
WEIGHT (KGS)			0	0	0								0
SEWAGE PLANT SURFACE													
VOLUME (1000 L)	5,148	4,766	4,732	5,663	5,004	4,997	6,193	6,617	7,366	7,393	62,762	5,758	126,398
PH			7.7	7.3	7.4			7.6					7.5
CARBOXYALKYLATED POLYSACCHARIDE													
CONC. (MG/L)						0.00							0.00
WEIGHT (KGS)						0							0
CARBOXYLATED LIGNIN													
CONC. (MG/L)						0.00							0.00
WEIGHT (KGS)						0							0
CHLORIDE ION													
CONC. (MG/L)			0.00	0.00	0.00								0.00
WEIGHT (KGS)			0	0	0								0
HYPOCHLORITE ION													
CONC. (MG/L)			0.00	0.00	0.00								0.00
WEIGHT (KGS)			0	0	0								0
POLYALKYLENE GLYCOL													
CONC. (MG/L)						0.00							0.00
WEIGHT (KGS)						0							0

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 1994

27-JUL-95

TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-1
 TRA

RELEASE POINT DESCRIPTION													ANNUAL TOT
SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	VOL/WEIGHT
													AVG CONC
SEWAGE PLANT	SURFACE												
SODIUM SULFATE													
CONC. (MG/L)						0.00						0.00	
WEIGHT (KGS)						0						0	
SODIUM SULFITE													
CONC. (MG/L)						0.00						0.00	
WEIGHT (KGS)						0						0	
SODIUM TRIPOLYPHOSPHATE													
CONC. (MG/L)						0.00						0.00	
WEIGHT (KGS)						0						0	

TRA-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
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

TRA LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 236-1
 TRA

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS						29.1							29.1
ASPHALT										1.1			1.1
DIRT AND GRAVEL						1.5							1.5
MASONRY AND CONCRETE						3.4	9.9	2.7	1.1	3.1			20.3
SCRAP METAL	3.1	9.2	9.2	9.6		86.0	9.2	13.8	7.6		6.1		153.7
TRASH, SWEEPINGS, ETC.	186.9	226.7	300.9	278.3	182.7	147.2	116.2	196.5	114.7	105.5	120.8	85.6	2,062.1
WEEDS, GRASS AND TREES									0.8				0.8
WOOD AND SCRAP LUMBER	6.1	3.8		22.9		87.9		1.5	9.2	13.0	7.6		152.2
GRAND TOTALS:	196.1	239.7	310.0	310.8	182.7	355.2	135.3	214.5	133.4	122.7	134.6	85.6	2,420.7

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

TRA-12

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

27-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
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)			4,709							15,751			20,460
004 WATER PUMPED (L)	142,255	158,305	124,422	96,717	104,212	137,031	146,419	151,037	205,926	141,953	160,690	175,264	1,744,233
WATER PUMPED (L)	142,255	158,305	129,131	96,717	104,212	137,031	146,419	151,037	205,926	157,704	160,690	175,264	1,764,693
WATER DISPOSED													
AIR (L)	85,493	108,221	2,347	1,951	1,018	1,423	2,778	30,223	130,748	95,581	109,322	103,417	672,523
SURFACE (L)	51,625	45,334	122,053	89,105	98,189	136,539	140,249	114,206	67,834	54,737	45,122	61,361	1,026,354
SUBSURFACE (L)													
SEWAGE DATA													
BUILD VOL (L)	5,148	4,766	4,732	5,663	500	4,997	6,193	6,617	7,366	7,393	6,276	5,758	65,409
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	76.0	121.3	87.5	71.0	133.8	75.0	101.0	108.8	66.3	90.0	135.0	113.3	98.3
FINAL CONC. (MG/L)	20.6	28.0	21.0	25.2	25.3	23.3	22.0	16.0	12.5	15.4	18.8	12.3	20.0
% REMOVED	72.9	76.9	76.0	64.5	81.1	68.9	78.2	85.3	81.1	82.9	86.1	89.1	79.6
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	4.5	4.4	4.4	3.2	3.1	2.4	2.4	2.7	3.0	2.8	3.3	3.6	3.3
FINAL CONC. (MG/L)	5.7	5.5	5.4	4.7	5.7	4.3	5.6	5.1	4.2	5.2	5.0	5.6	5.2
INCREASED FACTOR	0.3	0.3	0.2	0.5	0.8	0.8	1.3	0.9	0.4	0.9	0.5	0.6	0.6
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	2.6	6.1	4.2	2.8	4.6	3.8	4.3	4.2	4.9	3.3	3.9	4.0	4.1
FINAL CONC. (ML/L)	0.11	0.14	0.11	0.08	0.17	0.21	0.18	0.16	0.16	0.13	0.10	0.09	0.14
% REMOVED	95.8	97.7	97.4	97.1	96.3	94.5	95.8	96.2	96.7	96.1	97.4	97.8	96.6
PH FINAL	7.3	7.5	7.7	7.3	7.4	7.2	7.3	7.3	7.3	7.2	7.4	7.7	7.4
TOTAL SEWAGE(L)	5,148	4,766	4,732	5,663	500	4,997	6,193	6,617	7,366	7,393	6,276	5,758	65,409
TOTAL WATER DISPOSED(L)	142,267	158,321	129,131	96,718	99,708	142,959	149,220	151,045	205,948	157,711	160,721	170,536	1,764,286

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

27-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
TRA WATER USAGE AND DISPOSAL SUMMARY

RPT 237-1
TRA

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	ANNUAL TOT VOL/WEIGHT DEC AVG CONC
ACCOUNTABILITY (%)	100.0	100.0	100.0	100.0	95.7	104.3	101.9	100.0	100.0	100.0	100.0	97.3 100.0

TRA-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

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

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
TYPE 2													
VOLUME (LITERS)	108	122	6	2		18	68	100	169	106	123	123	945
SO2 (KGS)	1	1	0	0		0	0	1	1	1	1	1	7
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	108	122	6	2		18	68	100	169	106	123	123	945
SO2 (KGS)	1	1	0	0		0	0	1	1	1	1	1	7
NOX (KGS)													
PARTICULATES (KGS)													

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

TRA-15

Technical Support Facility—Test Area North 1994 Detail Data

Report 225—TSF Liquid Disposed Substances Summary	TSF-3
Report 225—TSF Release Point And Liquid Disposed Substances Summary	TSF-4
Report 227—TSF Water Usage And Disposal Summary	TSF-6
Report 228—TSF Fuel Oil Usage And Stack Effluents Summary	TSF-8

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

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)	619	303	179	275	96					193	179	578	2,422
CYCLOHEXYLAMINE WEIGHT (KGS)	1	3	0	1	0					1	0	1	7
EDETATE SODIUM WEIGHT (KGS)										16	6	6	27
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)	9	12	1	12	2								36
JANITORIAL SUPPLIES WEIGHT (KGS)	277	82											359
LIGNOSULFONIC ACID, SODIUM SALT WEIGHT (KGS)										16	6	6	27
MORPHOLINE WEIGHT (KGS)	1	3	0	1	0					1	0	1	7
POTASSIUM HYDROXIDE WEIGHT (KGS)	9	12	1	12	2								36
SODIUM ION WEIGHT (KGS)	415	211	123	178	62					125	124	380	1,620
SODIUM LIGNOSULFONATE WEIGHT (KGS)	9	12	1	12	2								36
SULFATE ION WEIGHT (KGS)			13										13
SULFITE ION WEIGHT (KGS)	24	26									14	10	75

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

TSF-3

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

TSF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 225-1
TSF

RELEASE POINT DESCRIPTION SUBSTANCE	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 3,373	5,303	4,879	5,746	3,360	5,568	7,003	12,450	6,435	3,191	1,977	3,838	63,126
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)	183.61 619	57.09 303	36.67 179	47.90 275	28.67 96					60.37 193	90.47 179	150.58 578	38.37 2,422
CYCLOHEXYLAMINE CONC. (MG/L) WEIGHT (KGS)	0.37 1	0.55 3	0.07 0	0.15 1	0.05 0					0.19 1	0.18 0	0.15 1	0.11 7
EDETATE SODIUM CONC. (MG/L) WEIGHT (KGS)										4.90 16	3.04 6	1.46 6	0.43 27
ETHYLENEDIAMINE TETRAACETIC ACID CONC. (MG/L) WEIGHT (KGS)	2.77 9	2.28 12	0.16 1	2.03 12	0.58 2								0.57 36
JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)	82.04 277	15.48 82											5.68 359
LIGNOSULFONIC ACID, SODIUM SALT CONC. (MG/L) WEIGHT (KGS)										4.90 16	3.04 6	1.46 6	0.43 27
MORPHOLINE CONC. (MG/L) WEIGHT (KGS)	0.37 1	0.55 3	0.07 0	0.15 1	0.05 0					0.19 1	0.18 0	0.15 1	0.11 7
POTASSIUM HYDROXIDE CONC. (MG/L) WEIGHT (KGS)	2.77 9	2.28 12	0.16 1	2.03 12	0.58 2								0.57 36

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 1994

27-JUL-95

TSF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 225-1
TSF

RELEASE POINT DESCRIPTION														ANNUAL TOT
SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	VOL/WEIGHT AVG CONC	
DISPOSAL POND	SURFACE													
SODIUM ION														
CONC. (MG/L)	123.15	39.77	25.27	31.04	18.58					39.12	62.81	99.09	25.66	
WEIGHT (KGS)	415	211	123	178	62					125	124	380	1,620	
SODIUM LIGNOSULFONATE														
CONC. (MG/L)	2.77	2.28	0.16	2.03	0.58								0.57	
WEIGHT (KGS)	9	12	1	12	2								36	
SULFATE ION														
CONC. (MG/L)			2.62										0.20	
WEIGHT (KGS)			13										13	
SULFITE ION														
CONC. (MG/L)	7.26	4.83									7.28	2.63	1.18	
WEIGHT (KGS)	24	26									14	10	75	

TSF-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
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

27-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
 TSF WATER USAGE AND DISPOSAL SUMMARY

RPT 227-1
 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)	3,706	4,243	3,888	5,954	6,064	4,963	6,057	12,367	13		2,866	5,633	55,753
613 WATER PUMPED (L)	3,706	4,569	4,058	2,822	470	3,699	4,172	4,383	6,814	7,086	2,849	1,437	46,065
WATER PUMPED (L)	7,412	8,812	7,946	8,776	6,534	8,662	10,228	16,750	6,827	7,086	5,715	7,070	101,819
WATER DISPOSED													
AIR (L)													
SURFACE (L)	3,373	5,303	4,879	5,746	3,360	5,568	7,003	12,450	6,435	3,191	1,977	3,838	63,126
SUBSURFACE (L)													
SEWAGE DATA													
623 BUILD VOL (L)	4,039	3,508	3,065	3,028	3,173	3,092	3,223	4,300	443	3,895	3,737	3,232	38,735
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	70.0	37.0	80.8	69.0	38.3	40.4	44.0	41.5	39.2	49.5	35.3	44.2	49.1
FINAL CONC. (MG/L)	10.0	6.3	8.4	9.3	11.8	9.8	8.0	11.3	9.0	12.8	8.3	6.8	9.3
% REMOVED	85.7	83.0	89.6	86.5	69.2	75.7	81.8	72.8	77.0	74.1	76.5	84.6	81.0
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	7.2	6.8	4.9	5.2	4.0	3.7	4.0	3.8	3.7	4.7	3.9	6.3	4.9
FINAL CONC. (MG/L)	7.7	7.7	5.9	6.7	5.7	5.4	5.2	5.0	5.1	5.9	6.9	6.6	6.2
INCREASED FACTOR	0.1	0.1	0.2	0.3	0.4	0.5	0.3	0.3	0.4	0.3	0.8	0.0	0.3
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	5.3	6.6	5.8	5.8	4.6	4.1	1.8	4.5	3.2	4.9	2.3	3.2	4.3
FINAL CONC. (ML/L)	0.01	0.00	0.00	0.02	0.07	0.03	0.01	0.03	0.02	0.00	0.00	0.02	0.02
% REMOVED	99.8	100.0	100.0	99.7	98.5	99.3	99.4	99.3	99.4	100.0	100.0	99.4	99.6
PH FINAL	8.0	8.3	7.9	7.9	7.4	7.4	7.6	7.4	7.6	7.9	7.9	8.0	7.8
TOTAL SEWAGE(L)	4,039	3,508	3,065	3,028	3,173	3,092	3,223	4,300	443	3,895	3,737	3,232	38,735
TOTAL WATER DISPOSED(L)	7,412	8,811	7,944	8,775	6,533	8,660	10,226	16,750	6,878	7,087	5,715	7,070	101,861

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

27-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
TSF WATER USAGE AND DISPOSAL SUMMARY

RPT 227-1
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 (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.8	100.0	100.0	100.0	100.0

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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IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

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)	155	8	3	108						93	1,805	163	2,334
SO2 (KGS)	1	0	0	1						1	10	1	13
NOX (KGS)													
PARTICULATES (KGS)													
TYPE 5													
VOLUME (LITERS)	42	290	153	9								90	584
SO2 (KGS)	0	2	1	0								1	4
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	197	297	157	117						93	1,805	253	2,919
SO2 (KGS)	1	2	1	1						1	10	1	17
NOX (KGS)													
PARTICULATES (KGS)													

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

TSF-8

Water Reactor Research Test Facility—Test Area North 1994 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	WRF-6
Report 268—WRF Fuel Oil Usage And Stack Effluents Summary	WRF-8

IDAHO OPERATIONS OFFICE
 UNITED STATES DEPARTMENT OF ENERGY
 INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
 FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

WRF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 265-I
 WRF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION WEIGHT (KGS)	55	28								83		55	220
CYCLOHEXYLAMINE WEIGHT (KGS)	0	0	0	0						0	0	0	1
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)	2	2	1	5						2	4	1	17
JANITORIAL SUPPLIES WEIGHT (KGS)	24	15											39
MORPHOLINE WEIGHT (KGS)	0	0	0	0						0	0	0	1
POTASSIUM HYDROXIDE WEIGHT (KGS)	2	2	1	5						2	4	1	17
SODIUM ION WEIGHT (KGS)	38	20								54	0	37	149
SODIUM LIGNOSULFONATE WEIGHT (KGS)	2	2	1	5						2	4	1	17
SULFITE ION WEIGHT (KGS)	4	3									1	3	12

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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 1994

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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 VOLUME (1000 L) PH	SURFACE 369	309	463	231	1,009	839	1,329	1,130	568	130	334	68	6,778
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)	149.24 55	89.02 28								633.55 83		807.89 55	32.48 220
CYCLOHEXYLAMINE CONC. (MG/L) WEIGHT (KGS)	0.84 0	0.58 0	0.24 0	0.96 0						0.68 0	0.80 0	2.28 0	0.20 1
ETHYLENEDIAMINE TETRAACETIC ACID CONC. (MG/L) WEIGHT (KGS)	6.34 2	5.04 2	2.53 1	23.60 5						14.94 2	11.67 4	14.29 1	2.56 17
JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)	66.41 24	46.94 15											5.75 39
MORPHOLINE CONC. (MG/L) WEIGHT (KGS)	0.84 0	0.58 0	0.24 0	0.96 0						0.68 0	0.80 0	2.28 0	0.20 1
POTASSIUM HYDROXIDE CONC. (MG/L) WEIGHT (KGS)	6.34 2	5.04 2	2.53 1	23.60 5						14.94 2	11.67 4	14.29 1	2.56 17
SODIUM ION CONC. (MG/L) WEIGHT (KGS)	103.44 38	63.57 20								410.53 54	1.49 0	550.24 37	22.03 149
SODIUM LIGNOSULFONATE CONC. (MG/L) WEIGHT (KGS)	6.34 2	5.04 2	2.53 1	23.60 5						14.94 2	11.67 4	14.29 1	2.56 17

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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WRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 265-1
WRF

RELEASE POINT DESCRIPTION													ANNUAL TOT
SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	VOL/WEIGHT
													AVG CONC
WRRTF EVAP POND	SURFACE												
SULFITE ION													
CONC. (MG/L)	11.71	10.25									2.59	46.50	1.70
WEIGHT (KGS)	4	3									1	3	12

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 1994
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
WATER DATA													
WRF WATER PUMPED (L)	461	386	578	289	1,262	1,049	1,329	1,506	757	174	445	91	8,327
WATER PUMPED (L)	461	386	578	289	1,262	1,049	1,329	1,506	757	174	445	91	8,327
WATER DISPOSED													
AIR (L)													
SURFACE (L)	369	309	463	231	1,009	839	1,329	1,130	568	130	334	68	6,778
SUBSURFACE (L)													
SEWAGE DATA													
643 BUILD VOL (L)	92	39	116	58	252	210	332	376	189	43	111	23	1,842
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)										49.5			49.5
FINAL CONC. (MG/L)										12.8			12.8
% REMOVED										74.1			74.1
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)										4.3			4.3
FINAL CONC. (MG/L)										5.9			5.9
INCREASED FACTOR										0.4			0.4
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)										4.9			4.9
FINAL CONC. (ML/L)										0.01			0.01
% REMOVED										99.8			99.8
PH FINAL										7.9			7.9
TOTAL SEWAGE(L)	92	39	116	58	252	210	332	376	189	43	111	23	1,842
TOTAL WATER DISPOSED(L)	461	348	578	289	1,262	1,049	1,661	1,506	757	174	445	91	8,620

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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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
ACCOUNTABILITY (%)	100.0	90.0	100.0	100.0	100.0	100.0	125.0	100.0	100.0	100.0	100.0	100.0	103.5

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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WRF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 268-I
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)	26	23	20	289						5	19	26	407
SO2 (KGS)	0	0	0	2						0	0	0	2
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	26	23	20	289						5	19	26	407
SO2 (KGS)	0	0	0	2						0	0	0	2
NOX (KGS)													
PARTICULATES (KGS)													

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

WRF-8