

DOE/ID-10057(94)
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**Idaho National Engineering Laboratory
Nonradiological Waste Management Information
For 1994 and Record to Date**

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Published August 1995

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Prepared for the
U.S. Department of Energy
DOE Idaho Operations Office
Contract No. DE-AC07-94ID13223

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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 3.7E+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 = 1×10^6 = 1E+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 reports 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

WASTE TYPE				1993	1994	TOTAL
	1971 - 1991	1992				
LANDFILL WASTE*						
SOLID	(CUBIC METERS)	674,069		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	80,227,167
AIRBORNE EFFLUENT						
CHEMICALS	(KILOGRAMS)	5,236,644		7,694		187
FUEL OIL AND DIESEL	(KILOGRAMS)	6,896,468		84,861		5,660,005
SO ₂	(KILOGRAMS)	441,389		2,481		
PARTICULATE	(KILOGRAMS)			128,514		7,292,377
COAL	(KILOGRAMS)			3,075		447,427
* SO ₂	(KILOGRAMS)	77		10		4
NO ₂	(KILOGRAMS)	458		109		57
WASTE OIL	(LITERS)	1,283,361		53,367	51,531	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

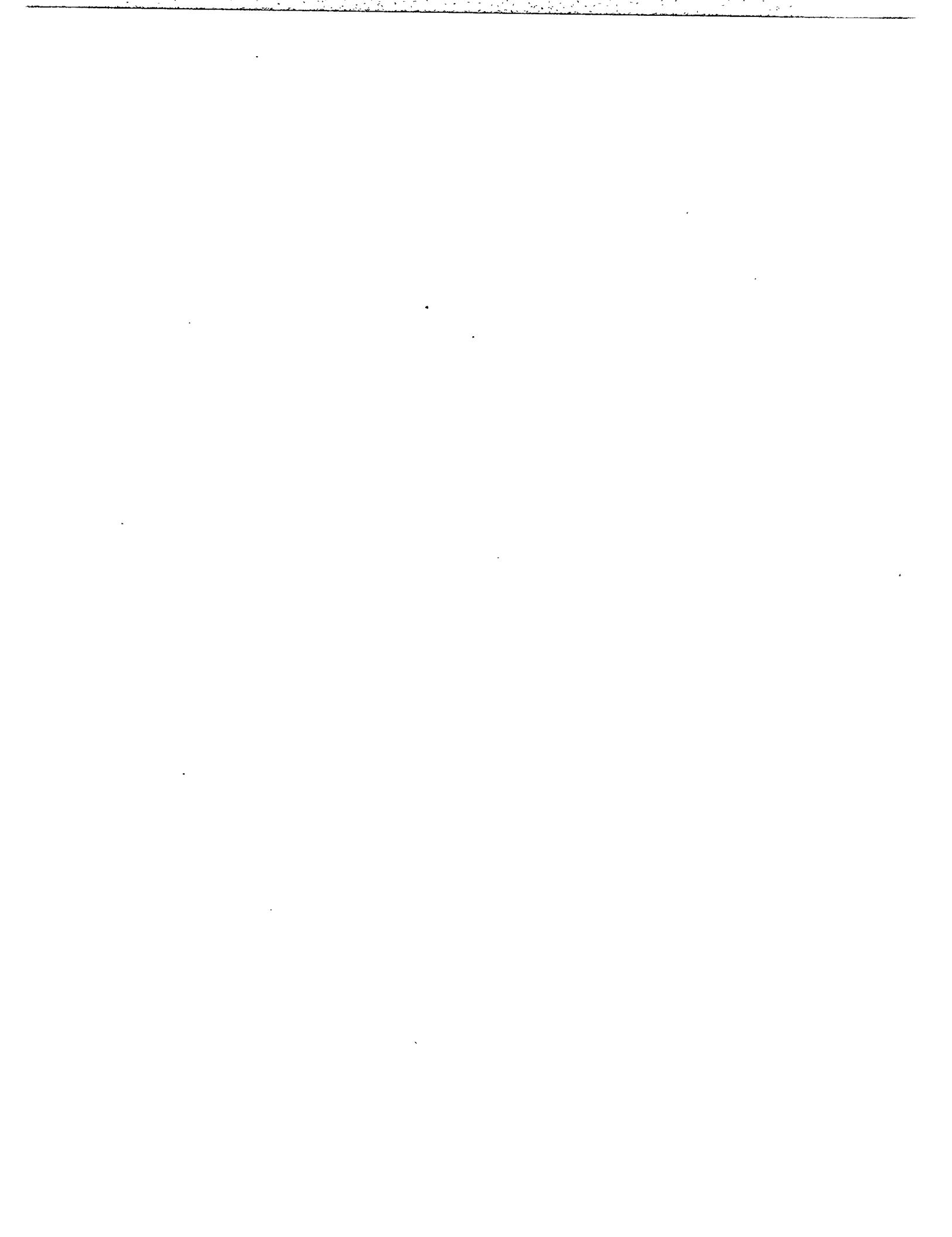
INEL INDUSTRIAL USAGE SUMMARY
RECORD TO DATE

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 Record-to-Date Detail Summaries

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INEL Waste Oil Summary In Liters, Record to Date	INEL-31



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	4,503	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
CTR				89								89
DAD												95
LOF	641	221	193									1,055
MHD	3,584	807	881	881	815							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
TAN	37,002	3,262	4,674									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	5,682				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

INEL-7

NOTE: DOES NOT INCLUDE LANDFILL WASTE FOR WHICH ONLY A WEIGHT IS AVAILABLE
 THIS COMPRISSES 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

INEL LIQUID LANDFILL WASTE IN LITERS
RECORD TO DATE

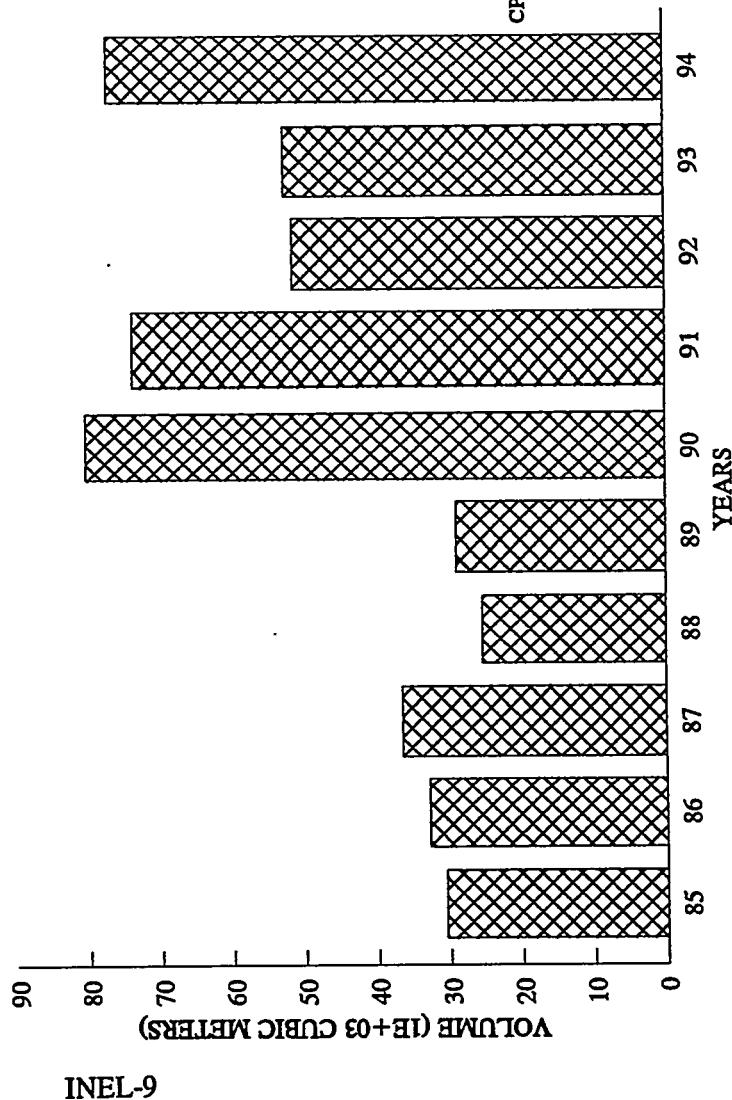
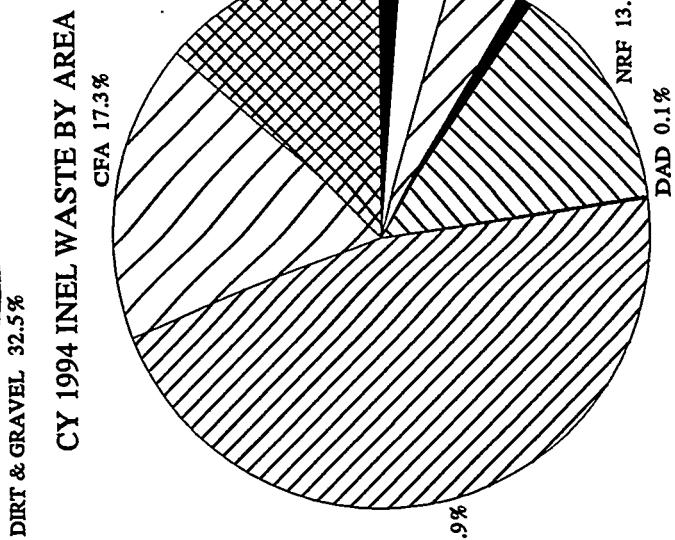
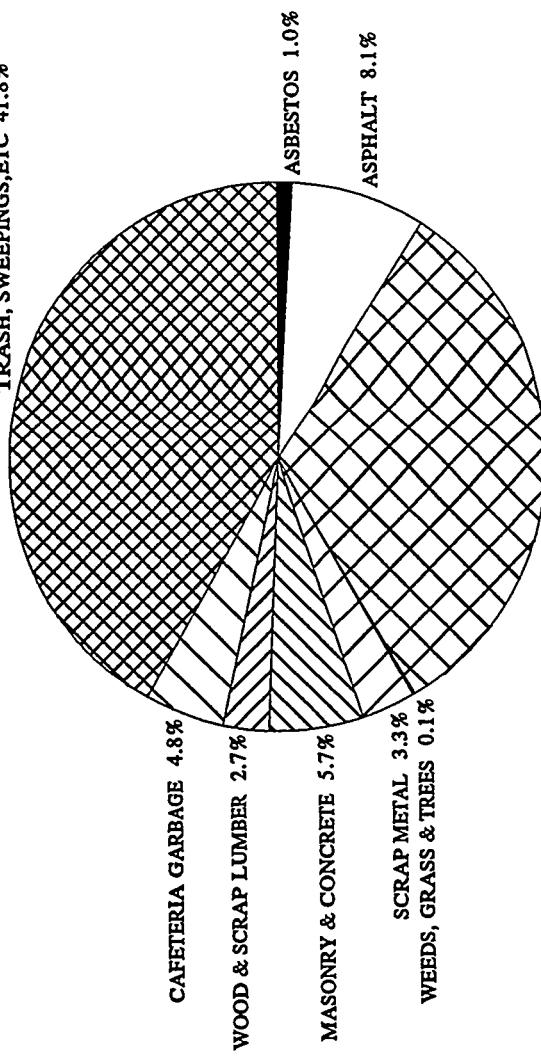
AREA	1971 - 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	TOTAL
ANL	2,855											2,855
ARA	502											502
CFA	109,849											109,849
CPP	1,145											1,145
NRF	132,001	28,250			29,643		26,441	63,564				279,900
PBF	416											416
TAN	17,620			8								17,628
TRA	11,302				625	633						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

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CY 1985 - 1994 INEL SANITARY LANDFILL WASTE

CY 1994 INEL WASTE BY TYPE
TRASH, SWEEPINGS, ETC 41.8%



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-DIMETHYLHYDANTOIN	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 BENZYL AMMORTIUM CHLORIDE,			0	0	0
ALKYL METHYL BENZYL AMMONIUM CHLORIDE			0	0	0
ALUMINUM NITRATE	100	60	25	60	244
AMERPLEX 6255	182				182
AMIDES	1,609	15	7		1,609
AMINOMETHYLPROPANOL	56				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
BENZOTIAZOLE	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 FERROSPERSEIP		425			425
BETZ J-12		18			18
BETZ NEUTRIMEEN		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
CADMUM	2				8
			1	3	2

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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
CARBONYLDIIMIDES					8
CARBONYLIC ACIDS					283
CARBONYLIC ACYANATES					3
CARBONTHIOCYANATES					
CARBOXYALKYLATED POLYSACCHARIDE	283	1	1	1	1
CARBOXYLATED LIGNIN					
CHLORIDE ION	10,326,348	722,31	827,334	593,793	12,474,606
CHLORINE	21				21
CHLOROCARBONS	2				2
CHLOROHYDROCARBONS	472				472
CHLOROSULFONES	1,263				1,263
CHROMATE ION	327	9	6	7	327
CHROMIUM	120				141
CITRIC ACID	91				91
CLOROHYDROCARBONS	0				0
COPPER					
CR+6	1,815	10	21	20	1,815
CYCLOHEXYLAMINE	1,471				1,523
DIANODIC 194	15,531				15,531
DIETHYLAMINOETHANOL	147				147
DIMETHYLFORMAMIDE(DMF)	2,131				2,131
DIMETHYLISOPROPANOLAMINE	21				
DIPHOSPHONATE	56	16	10	3	85
DISPERSANT 403	13,249				13,249
DODECYL GUANIDINE HYDROCHLORIDE	13,026				13,026
DREGARD	510	471	398	447	1,826
EDETA TE SODIUM	116	47	3	6	172
ETHYL ALCOHOL					
ETHYLAMINE	212	203	145	176	736
ETHYLEDIAMINE TETRAACETIC ACID	20	2	1		24
FLUORIDE ION	580	104	136	101	921
FORMIC ACID	15,007	482	561	335	16,385
HEAVY AROMATIC NAPHTHA	5				5
HEDP	42	21			62
HEXAVALENT CR	11,193	4		3	11,201
HPA	2,631				2,631
HPS 1 CARBOXAL ACID	4,415				4,415
HYDRAZINE	24				12
HYDROCARBON-AMINES	768				24
					768

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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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	52	9	2	2,830
HYDROGEN CHLORIDE	18,114				167
HYDROXYCARBONS	18,910				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
KP40 COOLANT CNTRL	7,446	8,762	9,875	7,510	33,593
KWIK KLEEN	73				73
LAUNDRY PRODUCTS	2,098				2,098
LEAD	96,83	3,516	1,153	5	101,153
LIGNOSULFONIC ACID, SODIUM SALT	243			27	248
M-60 ALGAEKIDE					27
M-80T ALGAEKIDE	4	4			4
MANGANESE					
MERCURY	64				64
METHIBITHIOCYANATE	68				68
METHYLENE BIS(THIOCYANATE)	208	176	148		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
NALCO 7312	178				178
NALCO 7323	185				185
NALCOOL 7351	840				840
NAPHTHA	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
NITROLORIACETIC ACID	119				119
NITRITE ION	3				
NITRITE SALT	1		0	0	3
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	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

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	3	42,315
POLYACRYLATE	61,616	282	374	0	62,266
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	3	1	1	29,771
PYRIDINE	0				0
PYRO PHOSPHATE	0	0	0	4	4
SALT OF EDTA	0	2	1	0	2
SELENIUM	20				20
SILICACARBONS	59				59
SILICATE ION	33	31	27	30	121
SILICONE EMULSION	72	8	8	4	84
SILVER	617				617
SKASOL	3,164				3,164
SKAZOL	2,254				2,254
SLIMICIDE 403	9,936				9,936
SLIMICIDE A-9	3,434				3,434
SLIMICIDE C-35	2,034				2,034
SLIMICIDE D-2	7,522				7,522
SLIMICIDE J-12	15,921				15,921
SLIMICIDE J-9	54,172				54,172
SOPP	635				635
SODIUM BISULFITE			23		23
SODIUM CARBONATE			12		12
SODIUM FLUORIDE			4		4
SODIUM HYDRATE SOLUTION	2,747	8	662	73,937	73,949
SODIUM HYDROXIDE		703	20	69	4,181
SODIUM HYPOCHLORITE				73	93
SODIUM ION					
SODIUM LIGNOSULFONATE	5,879,858	546,011	577,595	372,913	7,376,377
SODIUM PERCHLORATE	349	104	136	101	690
SODIUM PHOSPHATE	84		1	1	1
SODIUM PHOSPHATE, TRIBASIC	803				803
SODIUM POLYACRYLATE	16	1			16
SODIUM SULFATE					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

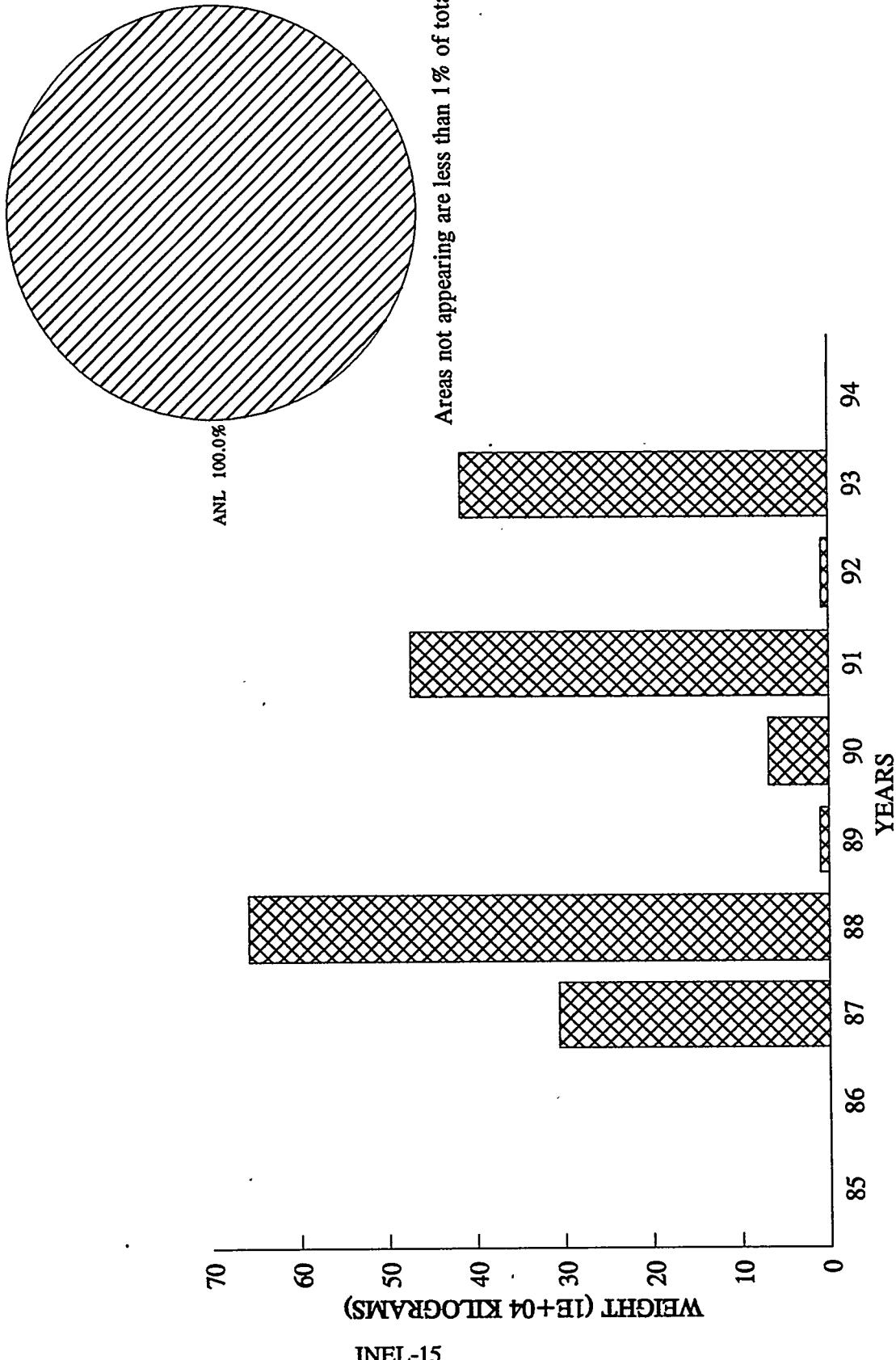
AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
RECORD TO DATE

SUBSTANCE IDENTIFICATION	1971 - 1991	1992	1993	1994	TOTAL
SODIUM TRIPOLYPHOSPHATE	862	1	2	2	5
SPRA-SAF	99	83	98	83	862
STOORDARD SOLVENT	18,737,552	641,343	493,979	354,576	20,227,450
SULFATE ION	242,413	232	458	332	243,434
SULFITE ION	11,567				11,567
SULFONATE	8,259				8,259
SULFUR DIOXIDE					
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				2,771
TOTAL HARDNESS	7,871,509	148,906	229,081	184,500	8,433,997
TRIBUTLTIN 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

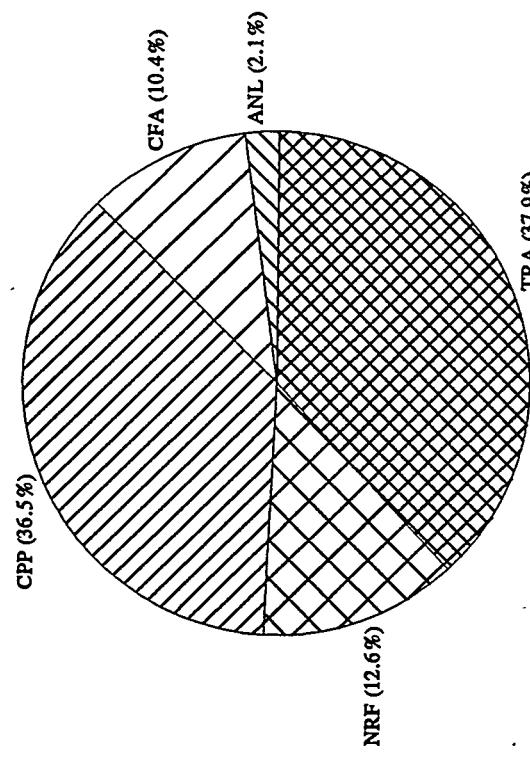
CY 1985 - 1994 INEL CHEMICAL USAGE (RELEASED AS AIRBORNE EFFLUENTS)

CY 1994 INEL CHEMICAL USAGE BY AREA

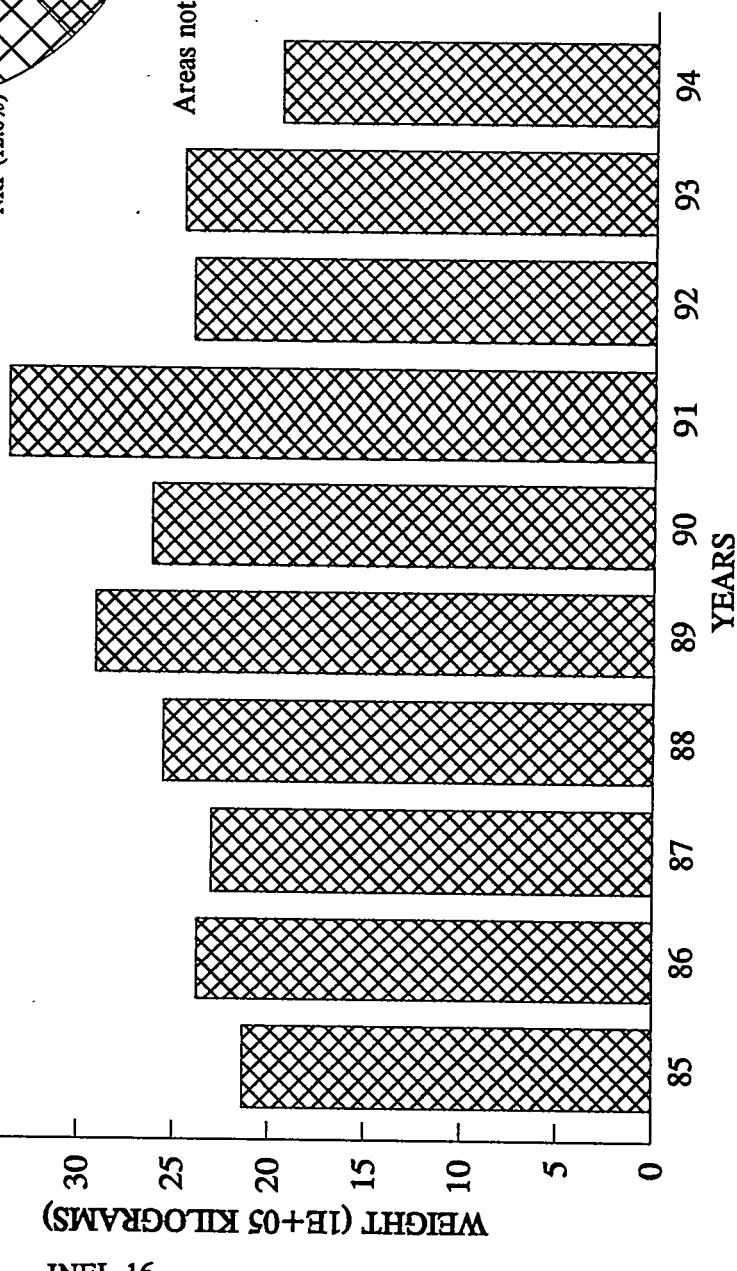


CY 1985 - 1994 INEL CHEMICAL USAGE (RELEASED AS LIQUID EFFLUENTS)

CY 1994 INEL CHEMICAL USAGE BY AREA



Areas not appearing are less than 1% of total



RECORD TO DATE

AREA	1971 - 1992		1993		1994		
	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)	DIESEL (LITERS)	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)
ANL	38,028,954	281,378	41,725	56,119	2,333,143	12,817	3,075
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
CPP	99,472,223	1,368,252	5,504	2,657,427			4,251,973
CTF	620,105	4,116	0	87,587			70,738
LOF	1,508,115	10,490	3	270,690			
MHD	2,629,180	17,903	0				1,997,210
NRF	94,952,141	2,470,928	155,127	2,561,152	39,257		59,582
PBF	2,765,116	17,846	231	545,540	55,691	315	60,097
SMC	1,113,536	6,146		2,085,377	10,703		8,870
TAN	39,629,913	861,640	36,306	155,709			1,728,152
TRA	47,513,788	1,456,415	182,189	35,205,458*	7,165	1,038,097*	945,256
TSF	10,255,316	178,414	0	1,052,640	1,492,825	8,455	2,918,877
WMC	443,055	2,820	0	28,493			6,524
WRF	4,491,521	25,590	0	55,475	170,192	657	
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
							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

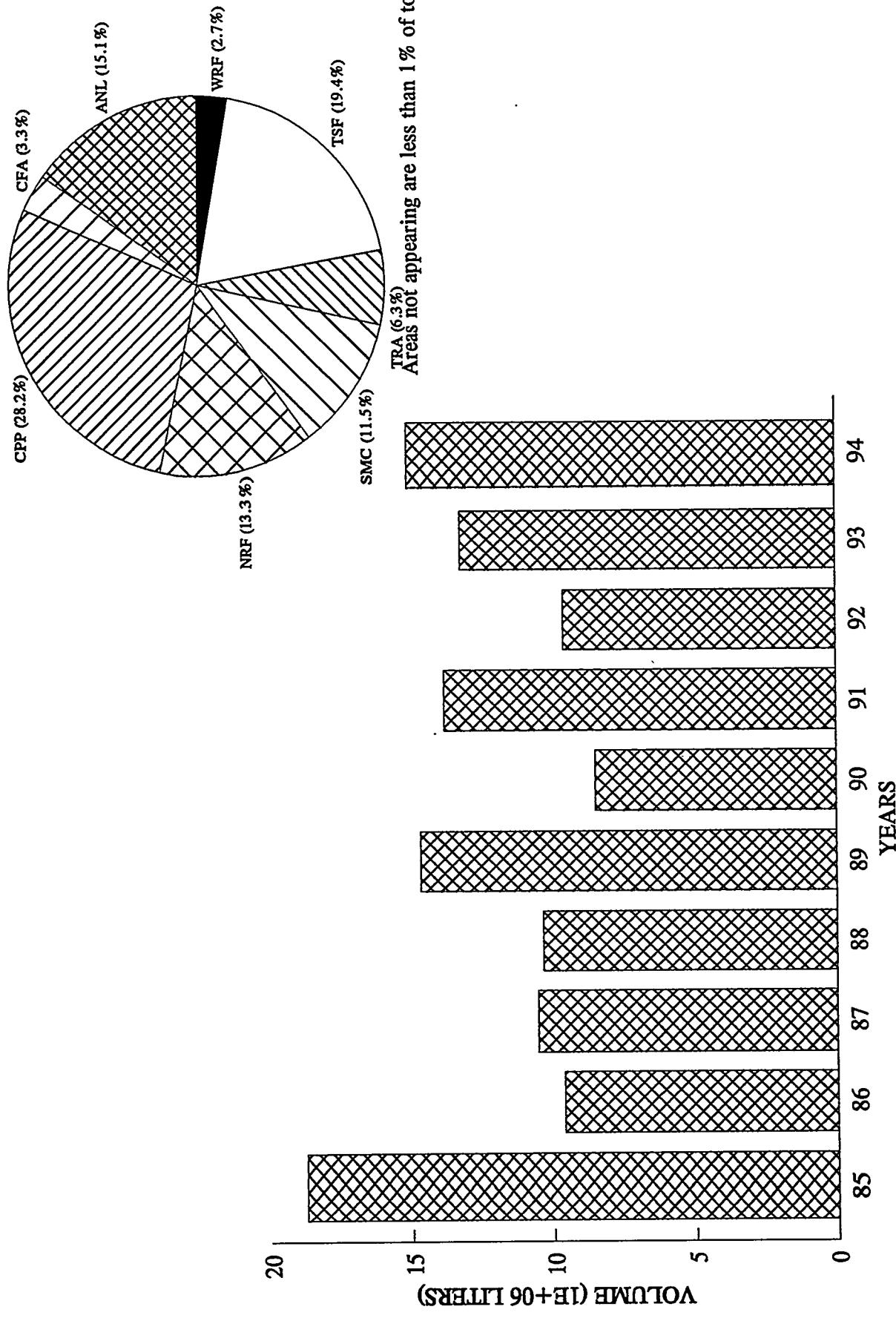
RECORD TO DATE (CONTINUED)

AREA	TOTALS		
	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)
ANL	42,629,426	308,657	45,281
ARA	1,878,406	13,212	523
CFA	28,316,719	274,008	22,262
CPP	106,381,622	1,483,199	5,504
CTF	620,105	4,116	0
LOF	1,508,115	10,490	3
MHD	2,629,180	17,903	0
NRF	99,510,503	2,569,767	155,127
PBF	2,880,903	18,502	231
SMC	4,927,065	25,719	545,540
TAN	39,629,913	861,640	36,306
TRA	48,459,044	1,470,104	182,189
TSF	14,677,018	203,689	0
WMC	443,055	2,820	0
WRF	5,068,427	28,550	0
	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

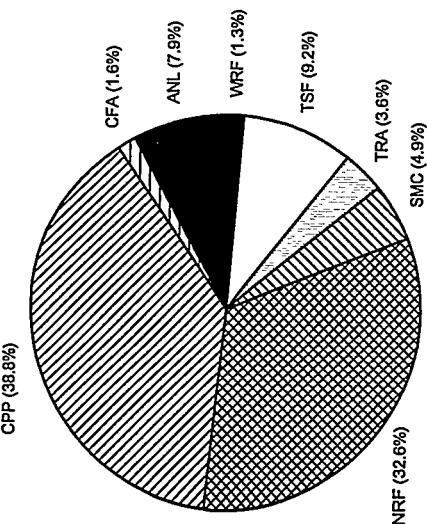
CY 1985 - 1994 INEL FUEL OIL & DIESEL USAGE

CY 1994 INEL FUEL OIL & DIESEL USAGE BY AREA

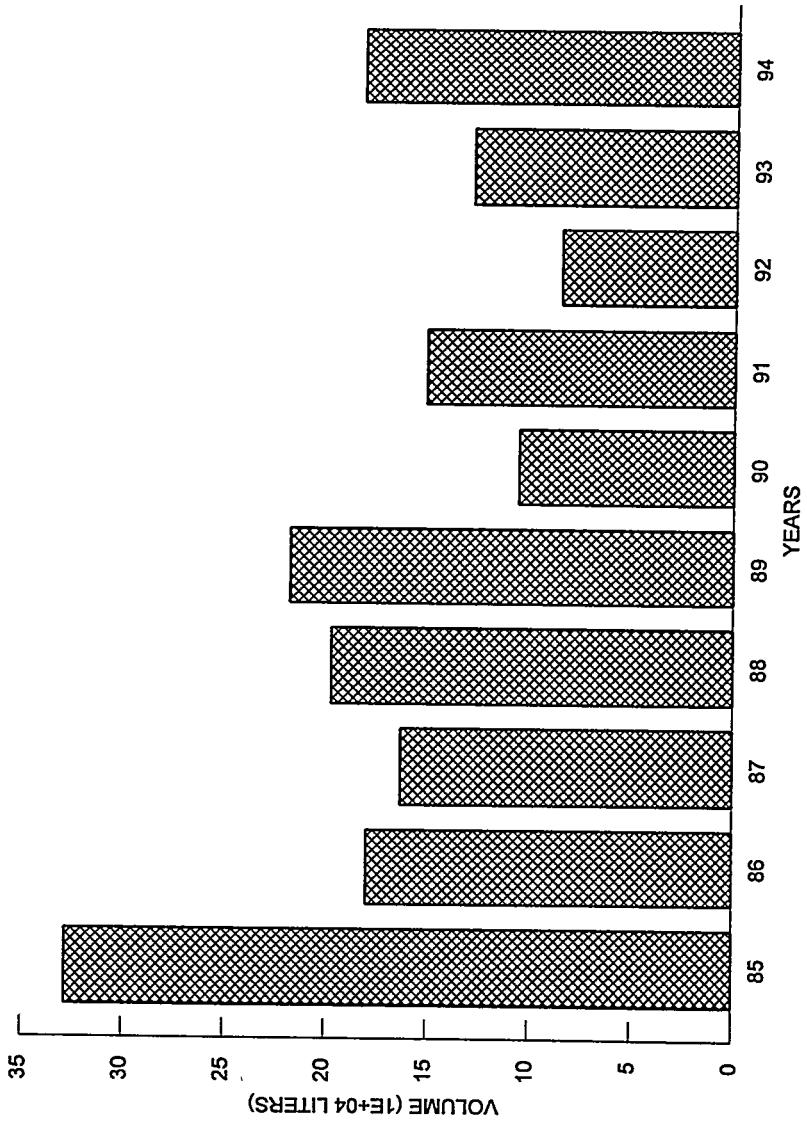


CY 1985 - 1994 SULFUR DIOXIDE EMITTED FROM INEL FUEL OIL & DIESEL USAGE

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

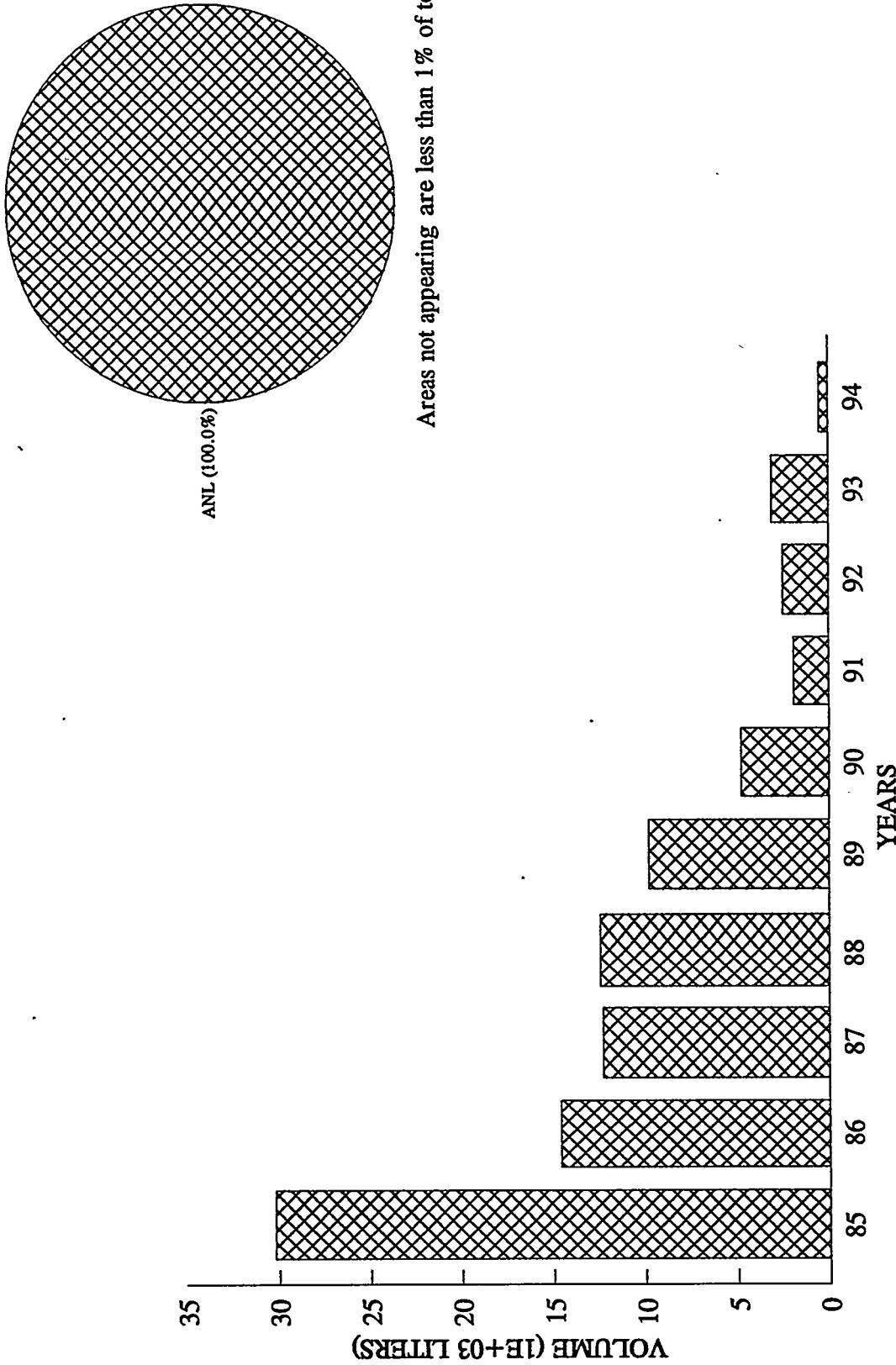


Areas not appearing are less than 1% of total



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

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

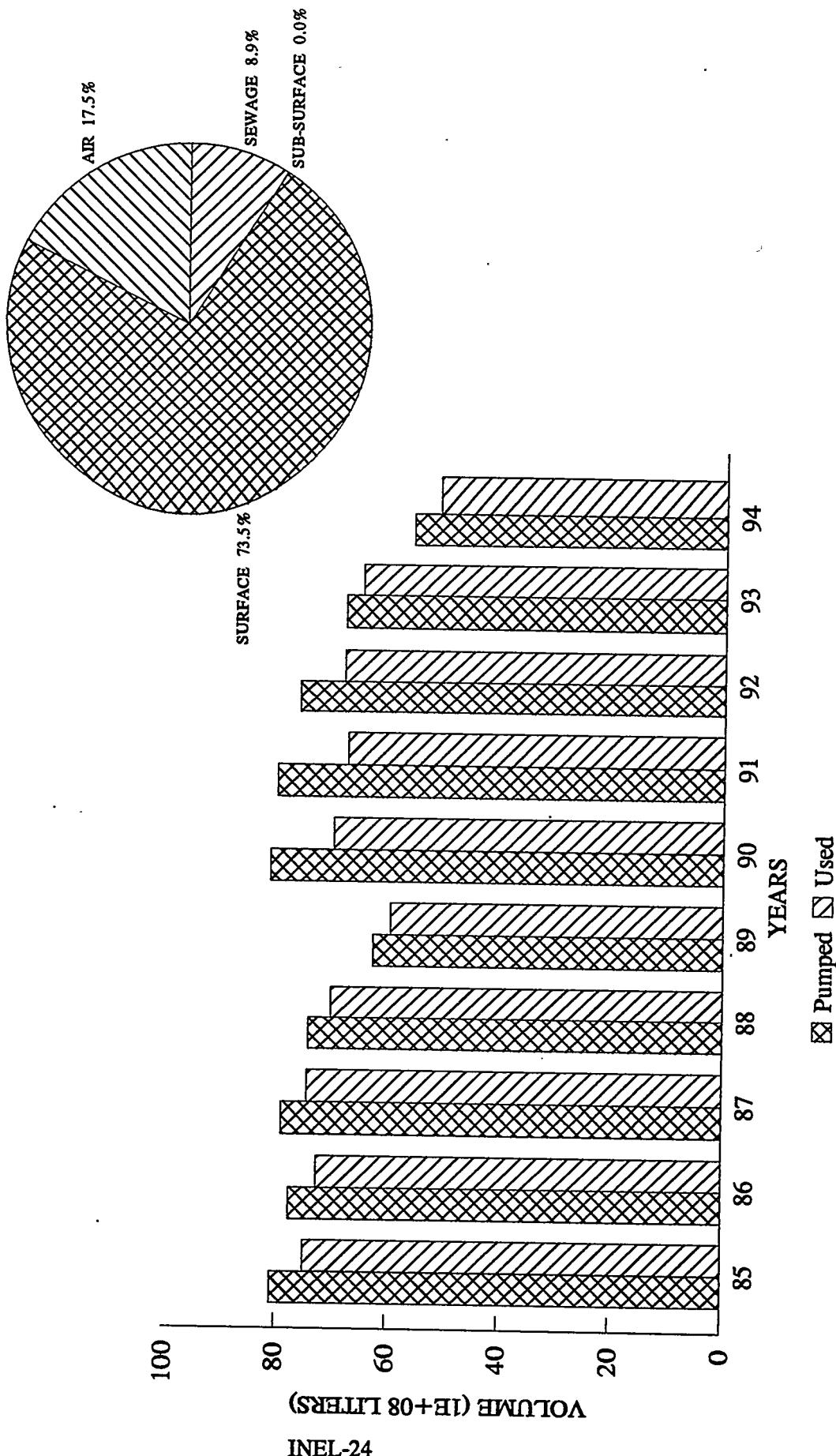
INEL WATER PUMPED SUMMARY IN THOUSAND LITERS
RECORD TO DATE

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	2,226,786	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

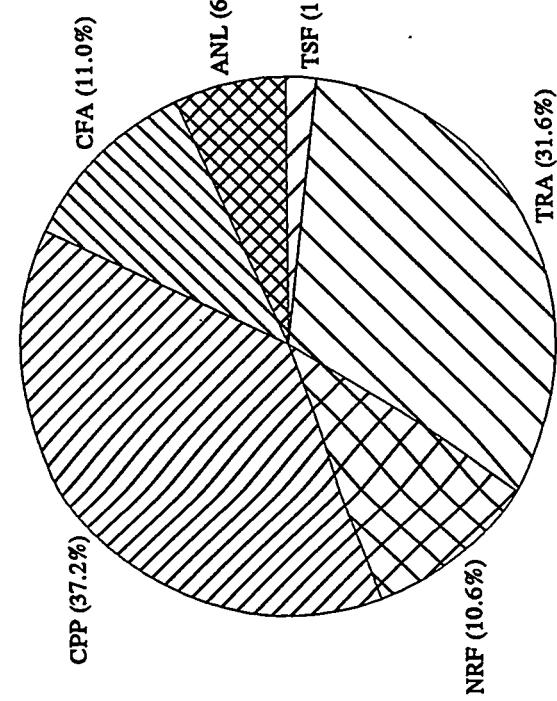
CY 1985 - 1994 INEL WATER USAGE

CY 1994 INEL WATER DISPOSED BY TYPE

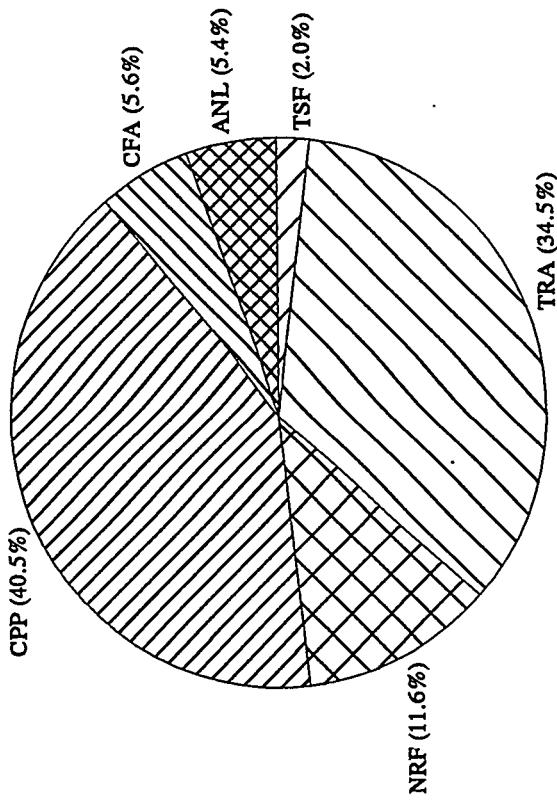


CY 1994 INEL WATER USAGE

CY 1994 INEL WATER PUMPED BY AREA



CY 1994 INEL WATER DISPOSED BY AREA



Areas not appearing are less than 1% of total

Areas not appearing are less than 1% of total

INEL COAL SUMMARY

RECORD TO DATE

	1971 - 1991			1992			1993			1994		
Area	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

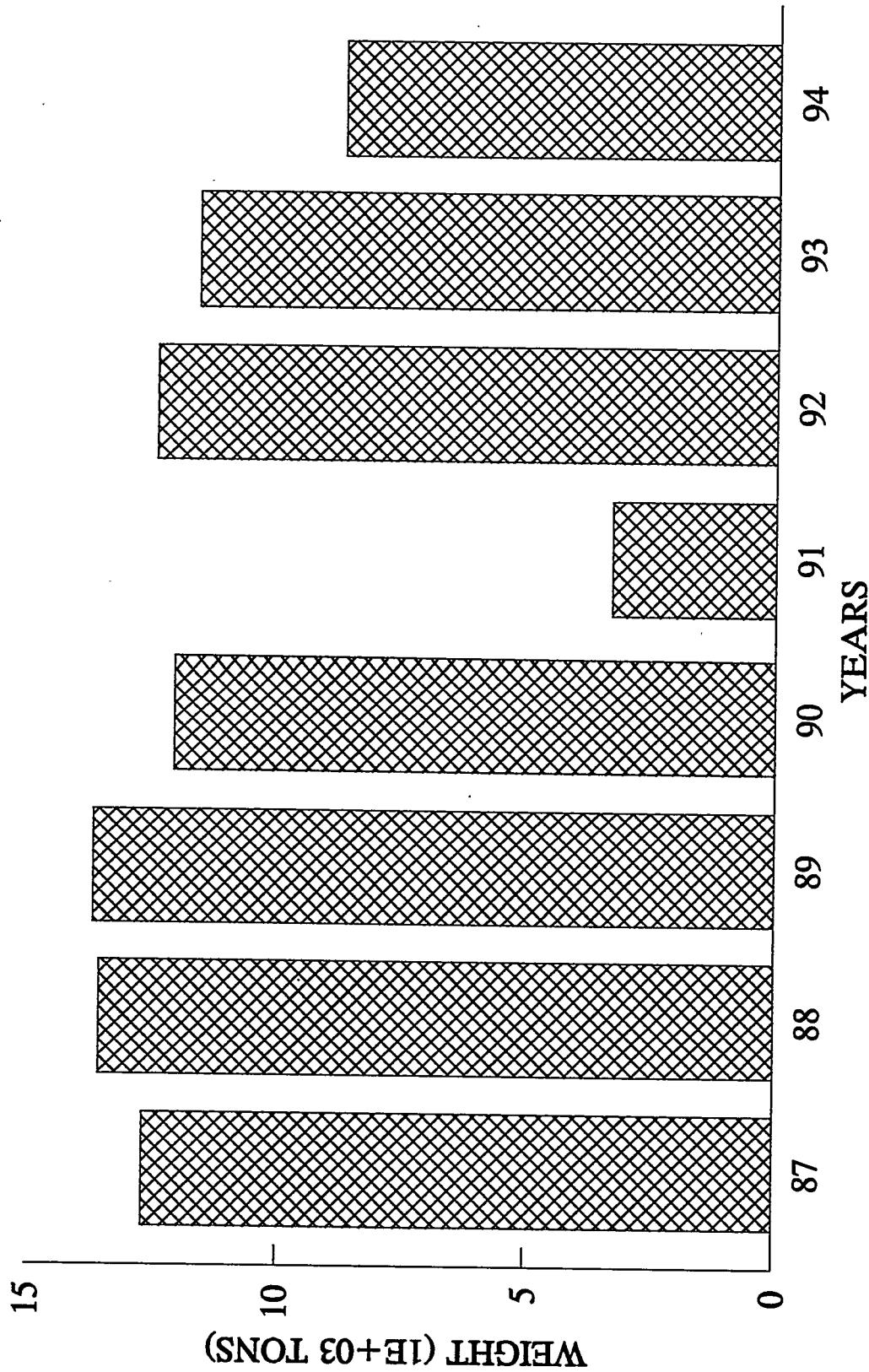
RECORD TO DATE (CONTINUED)

TOTALS

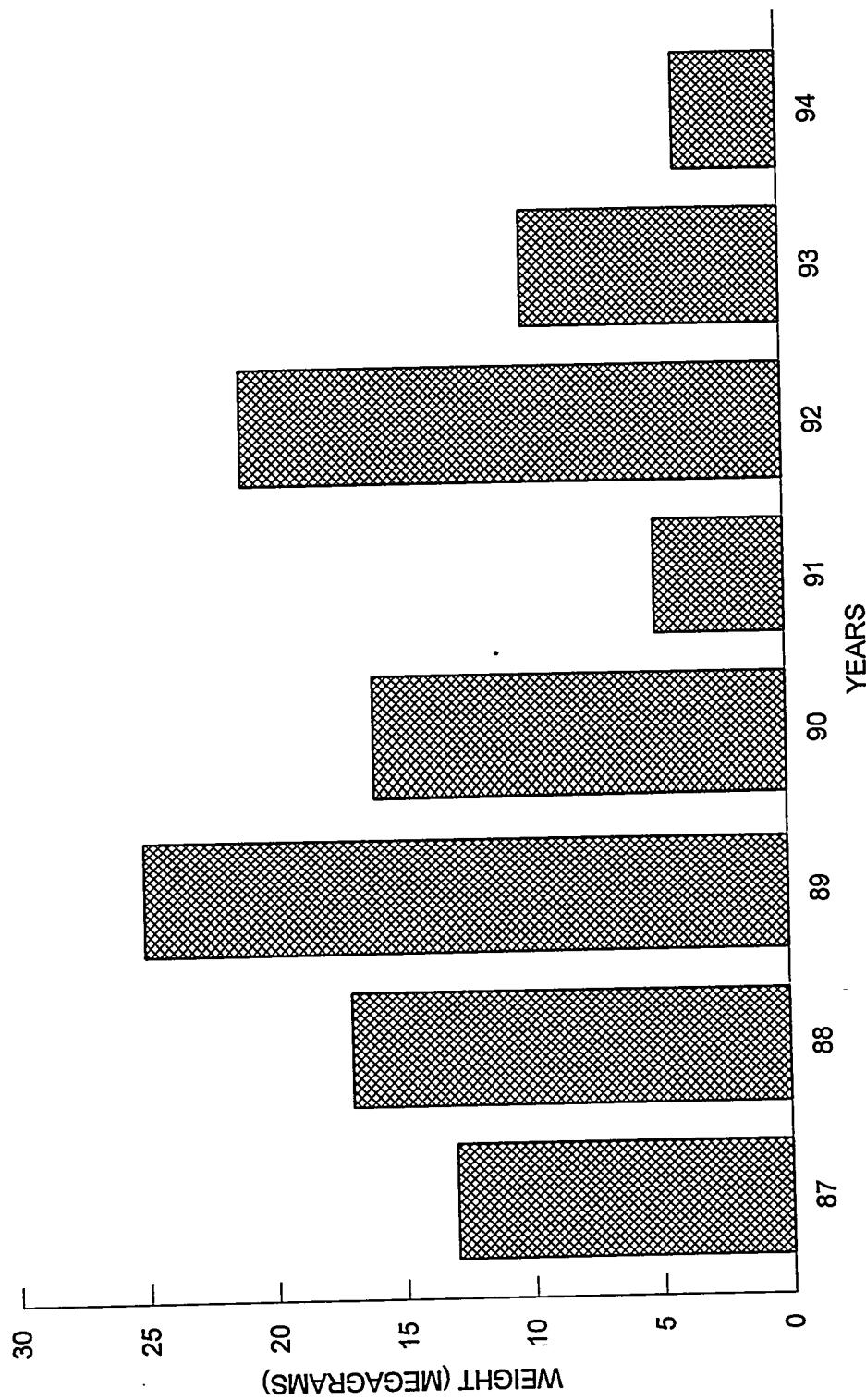
Area	Tons Burned	SO2 (mg)	NOX (mg)
CPP	88,164	112	720
	88,164	112	720

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

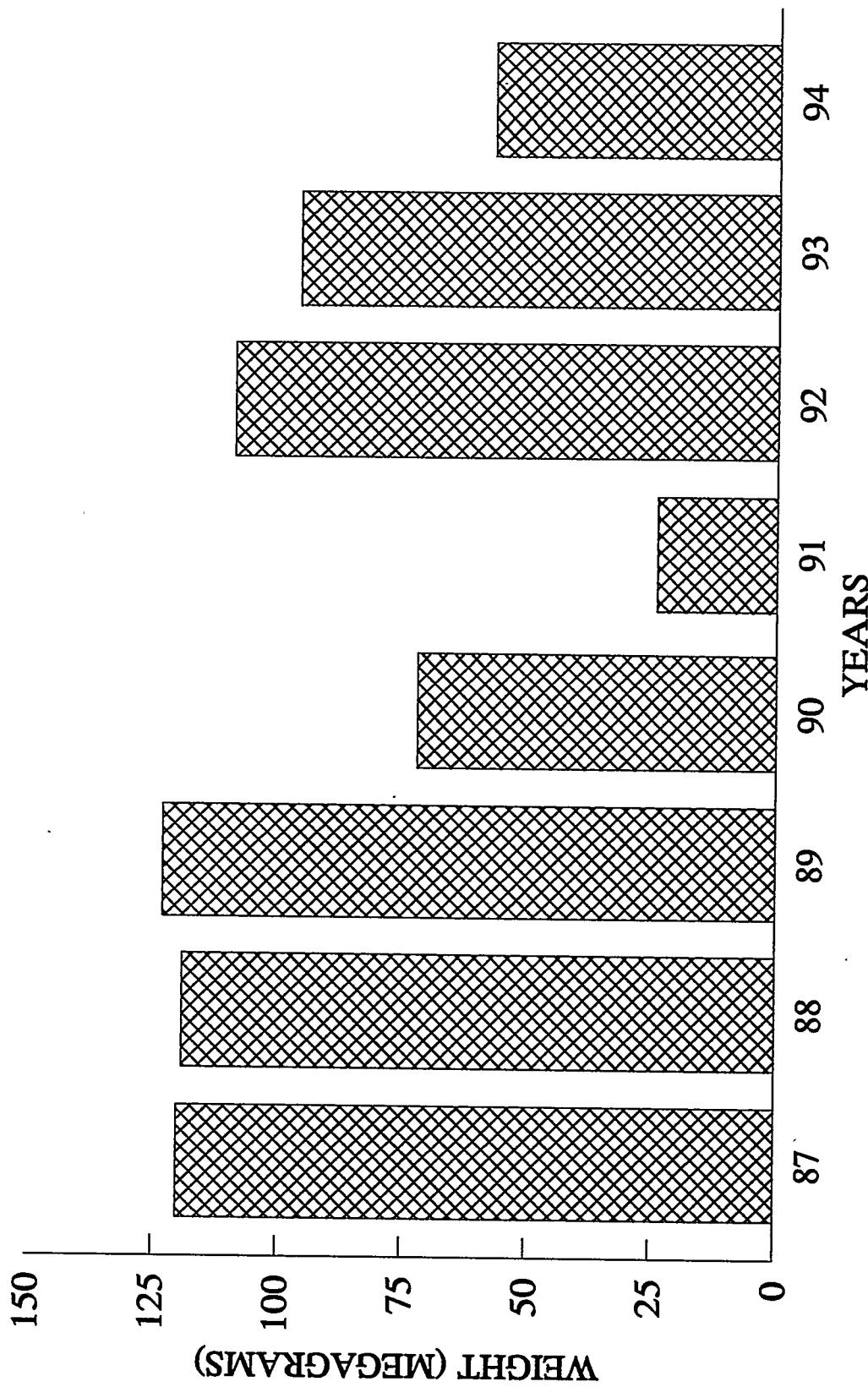
CY 1987 - 1994 INEL COAL USAGE



CY 1987 - 1994 SULFUR DIOXIDE EMITTED
FROM INEL COAL USAGE



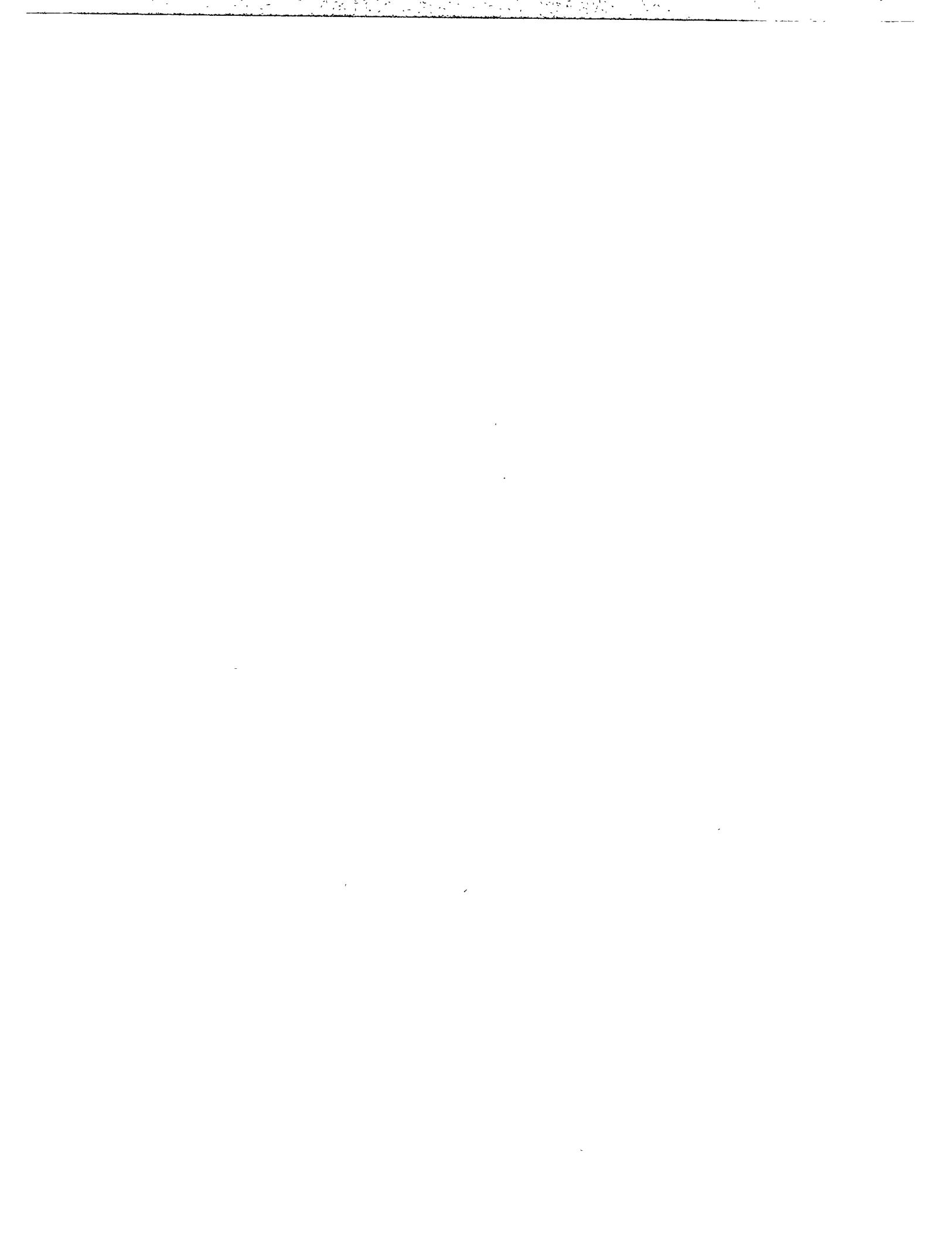
CY 1987 - 1994 NITRIC OXIDE EMITTED
FROM INEL COAL USAGE



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				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
PT1						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 1994 Year-to-Date Summaries

INEL Landfill Disposed Solid Waste Summary In Cubic Meters For January Through December, 1994	INEL-35
INEL Landfill Disposed Solid Waste Summary, Fourth Quarter and Year-To-Date 1994	INEL-36
Airborne And Liquid Industrial Waste Substances Summary In Kilograms For January Through December, 1994	INEL-37
INEL Year-To-Date Water Usage Summary For January Through December 1994	INEL-39
INEL Quarterly Fuel Oil And Diesel Summary For January Through December 1994	INEL-40
INEL Waste Oil Summary In Gallons For January Through December 1994	INEL-41
INEL Year-To-Date Coal Usage Summary For January Through December 1994	INEL-42
Summary INEL Hazardous Waste Generated For January-December 1994	INEL-43
Summary INEL Mixed Waste Generated For January-December 1994	INEL-44

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

RPT 3-1

Type of Waste	ANL	CFA	CRP	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		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
INEL LANDFILL DISPOSED SOLID WASTE SUMMARY
FOURTH QUARTER AND YEAR-TO-DATE 1994

10-JUL-95

PRT 3-1

AREA	JAN	FEB	MAR	APR	MAY	WASTE VOLUME (CM)			OCT	NOV	DEC	TOTAL	
						JUN	JUL	AUG					
AML	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	726.8	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
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

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-BROMO-3-CHLORO-5,5-DIMETHYLYHDANTIN	560					1,071			1,071
ACRYLIC POLYMER						304			560
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	0					1,132			304
ALKYL DIMETHYL BENZYLAMMORTUM CHLORIDE,	0					740			1,132
ALKYL METHYL BENZYL AMMONIUM CHLORIDE						0			740
ALUMINUM NITRATE	167	60							0
AROMATIC SOLVENTS		0							60
ARSENIC	33		169						167
B-BROMO-B-NITROSTYRENE									0
BARIUM		0							0
BARIUM SULFATE									0
BENZOTRIAZOLE	2,745								13
BETZ 20K	280								13
BETZ 22K			2						280
CADMIUM									2
CALCIUM CHLORIDE									131
CALCIUM FLUORIDE									50
CALCIUM ION									94
CALCIUM NITRATE									45
CALCIUM PERCHLORATE									4
CALCIUM PHOSPHATE, TRIBASIC									28
CALCIUM SULFATE, ANHYDROUS									1
CARBOALKYLATED POLYSACCHARIDE									1
CAREOXYLATED LIGNIN									0
CHLORIDE ION									0
CHROMIUM									598,793
CYCLOHEXYLAMINE									7
DIMETHYLFORMAMIDE(DMF)	12								7
DODECYLGUANIDINE HYDROCHLORIDE	3								3
DREN-GARD	3								3
EDTA TE SODIUM									447
ETHYL ALCOHOL									6
ETHYLENEDIAMINE TETRAACETIC ACID									27
FLUORIDE ION									27
HEDP									176
HPS 1 CARBOXAL ACID									101
HYDROXYCARBONS									335
HYPOCHLORITE ION									3
IMPERITY									12
ISOPROPYL ALCOHOL									2
JANITORIAL SUPPLIES									242
LEAD									16
									149
									7,510
									5
									39
									359
									3
									0
									0

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

SCHED. NO. INPR037

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

RPT 4-1

Substance	ANL	CFA	CPP	NRF	PBF	TRA	TSF	WRF	TOTAL
LIGNOUSULFONIC ACID, SODIUM SALT	15			1	148		27		27
METHYLENE BIS(THIOCYANATE)				0					164
MOLYBDATE SALT									0
MORPHOLINE					9		7	1	8
N-HYDROCARBON	47								9
N-METHYL PYRROLIDONE	0								47
N/A									0
NITRATE ION									12,198
NITRIC OXIDE			12,198	0					
NITRITE SALT				0					0
NITROGEN DIOXIDE									0
NONYLPHENOXY POLY(ETHYLENE OXY)ETHANO	1								1
NONYLPHENOXY POLY(ETHYLENE OXY)ETHANOL	13								13
ORTHO PHOSPHATE					9				9
PHOSPHATE									4
PHOSPHATE ION						4			819
POLYACRYLATE					809				
POLYACRYLATE ACID									3
POLYALKYLENE GLYCOL									0
POTASSIUM HYDROXIDE									1,937
POTASSIUM ION									1,174
PYRO PHOSPHATE									1
SALT OF EDTA									4
SILICONE EMULSION	0								0
SILVER									30
SODIUM HYDRATE SOLUTION									73,937
SODIUM HYDROXIDE									4
SODIUM HYPOCHLORITE	73		5,288	293,099	45,049	3	23,735	1,620	73,937
SODIUM ION	3,970		48			1		36	69
SODIUM LIGNOSULFONATE									73
SODIUM SULFATE	1						0		101
SODIUM SULFITE	5						0		1
SODIUM TOLYTRIAZOLE									5
SODIUM TRIPOLYPHOSPHATE	2								1,071
STOOGARD SOLVENT	83						0		2
SULFATE ION	36,526		48,704	87,442	59	181,832	13	75	83
SULFITE ION									354,576
TDS	243				3		285,661	12	332
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

PAGE: 1
SCHED. NO. INRPT002-A

IDaho Operations Office
United States Department of Energy
INEL Nonradiological Waste Management Information System

INEL Year-to-Date Water Usage Summary
For January Through December 1994

(All Volumes = Nearest Thousand Liters)

Area of Origin	Yearly Volume Pumped			Yearly Volume Disposed			Accountability (%)
	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

PAGE: 1 SCHED. NO. INRPT006

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	TYPE 2	TYPE 5	TYPE 6	KEROSENE	DIESEL	FUEL OIL IN LITERS			KILOGRAMS DISCHARGED		
						SO2	NOX	PARTICULATES	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

PAGE: 1
SCHED. NO. INRPT016

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

INEL WASTE OIL SUMMARY IN GALLONS
JANUARY THROUGH DECEMBER 1994

10-JUL-95

RPT 9-1

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

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

PAGE: 1 SCHED. NO. INRPT018

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

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

10-JUL-95

RPT 5-I

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

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

SUMMARY INEL
 HAZARDOUS WASTE GENERATED
 FOR January - December 1994

RPT 10-1

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+3
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		1.117E+05	1.732E+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							2.0000E+02					2.190E+02	
WMC											5.750E+02	1.666E+04	
TOTAL	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
WEIGHT													
INEL	43												

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

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

SUMMARY INEL
 MIXED WASTE GENERATED
 FOR January - December 1994

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
ANL													3.500E+01
ARA	1.600E+04												3.500E+01
CFA	3.510E+02												1.600E+04
CPP													6.110E+02
IRC													2.020E+02
NRF													2.020E+02
PBF													4.800E+01
TAN	4.630E+03	3.844E+04											4.327E+04
TRA	1.935E+03		8.077E+03	3.400E+01				1.560E+02	1.503E+03				3.450E+03
WER	2.802E+03												1.516E+04
WMC													2.802E+03
TOTAL	1.915E+04		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		2.550E+02
WEIGHT													

INEL-44

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

Argonne National Laboratory-West 1994 Detail Data

Report 114—ANL Airborne Disposed Substances Summary	ANL-3
Report 114—ANL Airborne Release Point And Disposed Substances Summary ..	ANL-5
Report 115—ANL Liquid Disposed Substances Summary	ANL-8
Report 115—ANL Release Point And Liquid Disposed Substances Summary	ANL-11
Report 116—ANL Landfill Solid Disposed Waste Summary	ANL-15
Report 117—ANL Water Usage And Disposal Summary	ANL-16
Report 118—ANL Fuel Oil Usage And Stack Effluents Summary	ANL-20



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SCHED. NO. INRPT007A

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

ANL AIRBORNE DISPOSED SUBSTANCES SUMMARY

RPT 114-1
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS	
													ANL	ANL
1-BROMO-3-CHLORO-5,5-DIMETHYLYHDANT WEIGHT (KGS)	3	2	2			1	2	2	2	3				15
ALKYL DIMETHYL BENZYLAMMORTIUM CHLORIDE, WEIGHT (KGS)				0	0	0	0	0	0	0	0	0	0	0
ALKYL METHYL BENZYL AMMONIUM CHLORIDE				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			1				1
N-METHYL PYRROLIDONE WEIGHT (KGS)	0	0	0			0	0			2				3
N/A WEIGHT (KGS)	0	0	0			0	0			0	0	0	0	0
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL WEIGHT (KGS)	0	0				0	0			1				1
SODIUM HYPOCHLORITE WEIGHT (KGS)	0	0	0			0	0			0	0	0	0	2

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

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SCHED. NO. INRPT007A

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

ANL AIRBORNE DISPOSED SUBSTANCES SUMMARY

11-JUL-95

RPT 114-I
ANL

SUBSTANCE STANDARD SOLVENT WEIGHT (KGS)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
STANDARD SOLVENT	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

PAGE: 1
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IDaho Operations Office
United States Department of Energy
INEL Nonradiological Waste Management Information System
FOR JANUARY THROUGH DECEMBER 1994

ANL AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 114-1
ANL

11-JUL-95

RELEASE POINT SUBSTANCE	DESCRIPTION	ANNUAL TOT VOL/WEIGHT										Avg Conc
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
COOLING TOWER 757 VOLUME (1000 CM)	0	0	0	0	0	10	0	0	0	0	0	11
1-BROMO-3-CHLORO-5,5-DIMETHYLYHYDANT 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 METHYL BENZYL AMMONIUM CHLORIDE CONC. (CC/CM)	0.02											0.00
WEIGHT (KGS)	0											0
AROMATIC SOLVENTS CONC. (CC/CM)	11.09		7.12			0.03	2.87		27.44			0.93
WEIGHT (KGS)	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

PAGE: 2
SCHED. NO. INRPT007

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

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	
													ANL	ANL
COOLING TOWER 757 METHYLENE BIS(THIOCYANATE)	0.00	1.01	0.65			0.00	0.26		2.49		0.09		0.09	1
CONC. (CC/CM) WEIGHT (KGS)	0	0	0			0	0							
N-METHYL PYRROLIDONE														
CONC. (CC/CM) WEIGHT (KGS)	0.00	3.53	2.27			0.01	0.91		8.73		0.31		0.31	3
N/A	0	0	0			0	0							
CONC. (CC/CM) WEIGHT (KGS)														
NONYLPHENOXY POLY(ETHYLENE OXY) ETHANOL														
CONC. (CC/CM) WEIGHT (KGS)	0.00	1.01	0.65			0.00	0.26		2.49		0.09		0.09	1
SODIUM HYPOCHLORITE														
CONC. (CC/CM) WEIGHT (KGS)	0	0	0			0	0							
STANDARD SOLVENT														
CONC. (CC/CM) WEIGHT (KGS)	0.00	6.30	4.05			0.02	1.63		15.59		0.56		0.56	6
HFEF COOLING TOWER VOLUME (1000 CM)														
ALKYL DIMETHYL BENZYLAMMONIUM CHLORIDE,														
CONC. (CC/CM) WEIGHT (KGS)	0	0.19	0.04			0.00	0.00		0.12		0.20		0.28	0.63
ALKYL METHYL BENZYL AMMONIUM CHLORIDE														
CONC. (CC/CM) WEIGHT (KGS)	0	0.19	0.04			0.00	0.00		0.12		0.20		0.28	0.63
ANL-6														

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

PAGE: 3 SCHED. NO. INRPT007

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 SUBSTANCE	DESCRIPTION	ANNUAL TOT VOL/WEIGHT AVG CONC											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
HFEF COOLING TOWER ISOPROPYL ALCOHOL CONC. (CC/CM) WEIGHT (KGS)		0.02 0	0.00 0	0.00 0	0.00 0	0.01 0	0.01 0	0.02 0	0.03 0	0.06 0	0.00 0	0.00 0	0.00 0
N/A CONC. (CC/CM) 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
SODIUM HYPOCHLORITE CONC. (CC/CM) WEIGHT (KGS)		33.22 0	6.86 0	0.32 0	0.27 0	15.04 0	20.59 0	34.37 0	50.16 0	109.82 1	2.27 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

PAGE: 1
SCHED. NO. INRPT008A

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

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	43	44	24	65	45	65	68	65	24	43	21	545	
ALKYL DIMETHYL BENZYLAMMORTIUM CHLORIDE, WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0
ALKYL METHYL BENZYL 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	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	0	0	1
CARBOXYLATED LIGNIN WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0
CYCLOHEXYLAMINE WEIGHT (KGS)	1	1	3	2	0	0	1	0	2	1	12	12	3
DIMETHYLFORMAMIDE(DMF) WEIGHT (KGS)													3
DIMETHYLISOPROPANOLAMINE WEIGHT (KGS)	0	0	0	1	0	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

PAGE: 2
SCHED. NO. INRPT008A

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

ANL LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS	
													291	3,494
JANITORIAL SUPPLIES WEIGHT (KGS)	291	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	1	14
N-METHYLPIRROLIDONE 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	0
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANO WEIGHT (KGS)														1
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL WEIGHT (KGS)	0	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	0		0
SALT OF EDTA WEIGHT (KGS)	0	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	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	0	0	0	1
SODIUM SULFITE WEIGHT (KGS)	0	0	0	0	0	0	0	1	1	1	0	0	0	5
SODIUM TRIPOLYPHOSPHATE WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	1	0	0	0	2

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

ANL LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-1
ANL

11-JUL-95

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS	
													ANL	115-1
STODDARD SOLVENT WEIGHT (KGS)	0	12	12	1	1	6	16	1	12	11	4	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
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INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-1
ANL

11-JUL-95

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	1,276	1,252	1,412	1,196	1,242	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	5,565	6,889	15,444	10,826	11,053	4,429	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 BENZYLAMMORTIUM 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 METHYL BENZYL 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	

ANL-11

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

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ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-1
ANL

11-JUL-95

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL VOL/WEIGHT AVG CONC		
													ANL	ANL	ANL
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	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	1	270	
CARBOXYALKYLATED POLYSACCHARIDE CONC. (MG/L)	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.01
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CARBOXYLATED LIGNIN CONC. (MG/L)	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	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	0	0
CYCLOHEXYLAMINE CONC. (MG/L)	0.25	0.37	0.20	0.46	0.31	0.05	0.05	0.02	0.05	0.09	0.43	0.16	0.14		
WEIGHT (KGS)	1	1	1	3	2	0	0	0	1	0	2	1	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	0.02	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	0	0	0	0
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	0.00	0.00
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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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

ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-1
ANL

RELEASE POINT SUBSTANCE	DESCRIPTION	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	0.1	0.17			
WEIGHT (KGS)	0	2	2	0	0	1	3	0	2	1	2	1	1	14			
N-METHYLPIRRROLIDONE																	
CONC. (MG/L)	0.00	1.92	1.26	0.09	0.09	0.51	0.58	0.05	0.63	7	1	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	0.00	0.00	0.00	0.00
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL																	
CONC. (MG/L)	0.00	0.55	0.36	0.03	0.03	0.15	0.17	0.01	0.18	1	0	1	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	0	0	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	0	0
SALT OF EDTA																	
CONC. (MG/L)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0	0	0.01	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	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	3	3	0.79	0.78	0.87			
WEIGHT (KGS)	3	3	4	3	3	3	4	36	3	3	3	3	3	71			

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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UNITED STATES DEPARTMENT OF ENERGY
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FOR JANUARY THROUGH DECEMBER 1994,

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	
													ANL	ANL
INDUSTRIAL POND 746 SURFACE SODIUM ION CONC. (MG/L) WEIGHT (KGS)	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	3,970
SODIUM SULFATE CONC. (MG/L) WEIGHT (KGS)	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.02	0.01	0.01
SODIUM SULFITE CONC. (MG/L) WEIGHT (KGS)	0.09	0.12	0.05	0.07	0.02	0.03	0.00	0.06	0.13	0.06	0.09	0.09	0.06	0.06
SODIUM TRIPOLYPHOSPHATE CONC. (MG/L) WEIGHT (KGS)	0.03	0.04	0.02	0.03	0.01	0.01	0.00	0.02	0.05	0.02	0.03	0.03	0.02	0.02
STANDARD SOLVENT CONC. (MG/L) WEIGHT (KGS)	0.00	3.43	2.24	0.17	0.17	0.91	1.04	0.09	1.13	2.87	0.98	0.94	0.94	77
SULFATE ION CONC. (MG/L) WEIGHT (KGS)	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	36,526

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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ANL LANDFILL SOLID DISPOSED WASTE SUMMARY

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS													30.6
ASPHALT	53.5	37.5	45.9	42.1	50.5	58.1	44.3	143.7	52.0	920.2	326.5	45.9	1,488.3
CAFETERIA GARBAGE				22.9				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	18.7	18.4	24.5	28.3	18.4	48.9	24.5	91.8	89.5	411.7	250.8	15.3	247.7
SCRAP METAL	586.4	533.7	526.0	477.9	455.7	469.5	498.5	537.5	545.9	573.5	446.5	344.1	1,040.6
TRASH, SWEEPINGS, ETC.													5,995.2
WEEDS, GRASS AND TREES	16.8	9.9	22.2	30.6	36.7	104.8	18.4	134.6	90.2	109.3	47.4	7.6	15.3
WOOD AND SCRAP LUMBER													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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INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

FOR JANUARY THROUGH DECEMBER 1994
ANL WATER USAGE AND DISPOSAL SUMMARY

(ALL VOLUMES = NEAREST THOUSAND LITERS)

11-JUL-95

RPT 117-1
ANL

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		
													(ALL VOLUMES = NEAREST THOUSAND LITERS)		
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	99		
SEWAGE DATA															
720 BUILD VOL (L)	36	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. (ML/L)															
FINAL CONC. (ML/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
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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

(ALL VOLUMES = NEAREST THOUSAND LITERS)

RPT 117-1
ANL

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.	CONC.
721 BUILD VOL (L)	39	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														

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

FOR JANUARY THROUGH DECEMBER '94
ANL WATER USAGE AND DISPOSAL SUMMARY

(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

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UNITED STATES DEPARTMENT OF ENERGY
INTEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

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FOR JANUARY THROUGH DECEMBER 1994
ANL WATER USAGE AND DISPOSAL SUMMARY

(ALL VOLUMES = NEAREST THOUSAND LITERS)

RPT 117-1
ANL

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT	
													VOL/WEIGHT CONC.	Avg CONC.
793 BUILD VOL (L)	8	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	

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FOR JANUARY THROUGH DECEMBER 1994

ANL FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS ANL
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)													
SO2 (KGS)													
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

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

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United States Department of Energy
INEL Nonradiological Waste Management Information System
FOR JANUARY THROUGH DECEMBER 1994

CFA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-1
CFA

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
ETHYLEDIAMINE TETRAACETIC ACID WEIGHT (KGS)	8	6	5	2	1	2	0	1	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

CFA LIQUID DISPOSED SUBSTANCES SUMMARY

13-JUL-95

RPT 135-1
CFA

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS	
													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

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

CFA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-1
CFA

RELEASE POINT SUBSTANCE	DESCRIPTION	ANNUAL TOT VOL/WEIGHT AVG CONC												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT			
SEWAGE PLANT VOLUME (1000 L)	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
PH														
ALUMINUM NITRATE CONC. (MG/L)	0.55	0.63	0.44	0.44	0.44	0.36	0.29	0.29	0.26	0.34	0.37	0.51	0.48	0.39
WEIGHT (KGS)	5	5	5	5	5	5	5	5	5	5	5	5	5	60
BARIUM SULFATE 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	0.00
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALCIUM CHLORIDE CONC. (MG/L)	1.20	1.37	0.96	0.96	0.78	0.64	0.62	0.57	0.74	0.80	1.11	1.11	1.05	0.84
WEIGHT (KGS)	11	11	11	11	11	11	11	11	11	11	11	11	11	131
CALCIUM FLUORIDE CONC. (MG/L)	0.46	0.52	0.36	0.36	0.30	0.24	0.24	0.22	0.28	0.30	0.42	0.40	0.40	0.32
WEIGHT (KGS)	4	4	4	4	4	4	4	4	4	4	4	4	4	50
CALCIUM NITRATE CONC. (MG/L)	0.42	0.47	0.33	0.33	0.27	0.22	0.22	0.20	0.25	0.28	0.39	0.36	0.29	0.29
WEIGHT (KGS)	4	4	4	4	4	4	4	4	4	4	4	4	4	45
CALCIUM PERCHLORATE CONC. (MG/L)	0.04	0.05	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.03	0.03
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0	4
CALCIUM PHOSPHATE, TRIBASIC CONC. (MG/L)	0.30	0.21	0.21	0.21	0.17	0.14	0.14	0.12	0.16	0.17	0.24	0.23	0.23	0.18
WEIGHT (KGS)	2	2	2	2	2	2	2	2	2	2	2	2	2	28
CALCIUM SULFATE, ANHYDROUS CONC. (MG/L)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0	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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INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994.

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		
													6	6	
DREWGARD CONC. (MG/L) WEIGHT (KGS)	0.14 1	0.10 1											0.17 2	0.12 1	
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	28	
ETHYLEDIAMINE 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	48	
JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)	42.50 385	18.63 148	13.01 135	11.88 312	22.33 233	13.70 437	25.08 510	26.79 289	19.50 510	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	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	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

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

CFA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

12-JUL-95

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		
													1	2	3
SEWAGE PLANT SULFITE ION CONC. (MG/L) WEIGHT (KGS)	3.88 35	3.82 30	3.23 37	1.10 13	0.33 5	0.55 9	0.37 6	0.42 6	2.04 28	3.28 32	4.01 42	1.56 243			

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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INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

CFA LANDFILL SOLID DISPOSED WASTE SUMMARY

11-JUL-95

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	3.8	163.6	144.5	9.9	5.7	0.8	68.0	12.2	6.9	124.6	39.8	6.9	146.8
ASPHALT	165.9	87.9	136.5	0.8	171.3	195.7	160.6	166.7	188.5	162.1	174.7	134.6	132.7
CAFETERIA GARBAGE	18.4	18.7	12.6	135.0	176.6	7.3	69.6	12.6	8.0	71.9	514.6	1,114.4	1,964.6
DIRT AND GRAVEL	78.0	64.2	24.8	566.6	29.4	460.7	45.9	682.0	691.6	57.3	13.8	2,733.1	2,733.1
MASONRY AND CONCRETE	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
SCRAP METAL	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
TRASH, SHEEPINGS, ETC.													53.1
WEEDS, GRASS AND TREES	28.3	18.4	21.8	3.1	1.1	0.4	0.8	19.1	14.1	11.5	3.1		53.1
WOOD AND SCRAP LUMBER													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

FOR JANUARY THROUGH DECEMBER 1994
CFA WATER USAGE AND DISPOSAL SUMMARY

(ALL VOLUMES = NEAREST THOUSAND LITERS)

RPT 137-1
CFA

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT CONC		
													WATER DATA	DISPOSAL	SEWAGE 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		
EEB WATER PUMPED (L)	144	163	178	299	159	172	172	163	163	394	114	117	432	2,506	
FS2 WATER PUMPED (L)	68	92	165	249	63	63	63	63	104	701	89	69	44	1,769	
MNG WATER PUMPED (L)	118	74	151	191	420	316	542	1,113	471	1,179	149	103	206	3,766	
PT1 WATER PUMPED (L)	70	14	21	45	163	113	470	471	470	227	273	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	48,887	126,770	614,290	
WATER DISPOSED AIR (L) SURFACE (L) SUBSURFACE (L)	525	920	1,069	1,085	0	13,624	28,440	22,341	39,671	11,222	2,044	0	1,928	5,768	128,636
0	0	0	0	0	0	0	0	0	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	10,376	155,765	
BIOCHEMICAL OXYGEN DEMAND (BOOD)															
RAW CONC. (MG/L)	49.0	64.0	69.6	56.0	40.0	81.2	58.0	41.0	56.4	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	8.2	9.5	
% REMOVED	78.6	83.6	86.5	80.7	80.7	86.0	85.7	77.3	77.3	86.8	89.1	92.0	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	1.8	1.9	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	4.4	5.4	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	1.4	1.8	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	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	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	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	7.6	7.7	7.6	7.6	7.6

CFA-9

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

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

FOR JANUARY THROUGH DECEMBER 1994
CFA WATER USAGE AND DISPOSAL SUMMARY

(ALL VOLUMES = NEAREST THOUSAND LITERS)

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

(ALL VALUES = NEAREST THOUSAND)

		ANNUAL TOTALS										
FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TYPE 2												
VOLUME (LITERS)	67	60	28	37	18	9	9	14	18	13	21	104
SO2 (KGS)	0	0	0	0	0	0	0	0	0	0	0	1
NOX (KGS)												2
PARTICULATES (KGS)												398
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)												0
PARTICULATES (KGS)												3
GRAND TOTALS:												
VOLUME (LITERS)	94	68	30	38	18	17	12	21	27	22	35	491
SO2 (KGS)	1	0	0	0	0	0	0	0	0	0	1	0
NOX (KGS)												3
PARTICULATES (KGS)												0

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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FOR JANUARY THROUGH DECEMBER '94

CPP AIRBORNE DISPOSED SUBSTANCES SUMMARY

RPT 144-1
CPP

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
NITRIC OXIDE	0	0	0	0	0	0	0	0	0	0	0	0	0
WEIGHT (KGS)													
NITROGEN DIOXIDE	0	0	0	0	0	0	0	0	0	0	0	0	0
WEIGHT (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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INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

CPP AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

13-JUL-95

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	
													1000 CM ³	PPM
STACK 708 VOLUME (1000 CM ³)	130,000	130,000	120,000	127,000	124,000	119,000	126,000	127,000	125,000	127,000	127,000	117,000	117,000	1,499,000
NITRIC OXIDE CONC. (PPM)	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	0.00
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NITROGEN DIOXIDE CONC. (PPM)	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	0.00
WEIGHT (KGS)	0	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

CPP LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 145-1
CPP

13-JUL-95

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

CPP-5

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

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

CPP RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 145-1
CRP

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC	
													0.00	0.00
ARSENIC	154,444	207,818	187,756	186,349	151,416	133,246	37,800	152,173	141,195	151,795	148,009	148,009	1,860,092	0.00
BARIUM	210,090	0.10	0.12	0.07	0.09	0.10	0.11	0.09	0.10	0.09	0.11	0.10	0.10	0.10
CADMIUM	0.21	0.15	0.18	0.18	0.16	0.12	0.12	0.14	0.14	0.15	0.15	0.15	0.15	0.181
CHLORIDE ION	271.00	265.00	273.00	284.00	250.00	321.00	271.00	388.09	291.00	276.00	267.00	345.00	283.98	0.00
CHROMIUM	56,934	40,928	56,734	53,323	46,087	48,605	36,110	14,670	44,282	38,970	40,529	51,063	528,235	0.00
FLUORIDE ION	0.23	0.22	0.22	0.24	0.21	0.22	0.23	0.29	0.23	0.23	0.21	0.22	0.21	0.20
LEAD	0.35	0.46	0.42	0.44	0.31	0.29	0.29	0.29	0.35	0.30	0.33	0.32	0.32	0.364
NITRATE ION	5.21	4.77	4.85	6.66	12.10	17.60	5.45	5.95	5.15	4.93	5.08	4.98	6.95	6.95
	1,095	737	1,008	1,250	2,231	2,665	726	225	784	696	771	737	12,924	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

CBP RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RELEASE POINT	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC		
														4	0.00	
S PERCOLATION POND	SURFACE															
SILVER	CONC. (MG/L)															
WEIGHT (KGS)																
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	4,350	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
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

CPP LANDFILL SOLID DISPOSED WASTE SUMMARY

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS	
ASBESTOS	3.4		45.9	144.5	107.0		96.3		644.9	393.8	1,288.4	118.5	0.4	203.4
ASPHALT	18.4			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		3,443.8
CAFETERIA GARBAGE	110.9	223.3	56.1	58.1	20.3	107.8	10.3	19.9	105.1	95.2	211.8			23,272.5
DIRT AND GRAVEL	3.1	1.5	76.1	9.9	34.0	26.8	21.0	113.2	45.5	37.1	49.3			709.2
MASONRY AND CONCRETE	3.1	6.5	27.9	516.5	521.8	1,148.0	682.8	576.5	458.4	516.1	453.4			380.4
SCRAP METAL	626.2	496.6	597.5											6,775.9
TRASH, SWEEPINGS, ETC.														
WEEDS, GRASS AND TREES	17.2	41.3	87.5	65.0	31.7	37.8	27.9	0.4	1.9	6.1				16.4
WOOD AND SCRAP LUMBER														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
INTEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

FOR JANUARY THROUGH DECEMBER 1994
CPP WATER USAGE AND DISPOSAL SUMMARY

(ALL VOLUMES = NEAREST THOUSAND LITERS)

RPT 147-1
CPP

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT CONC												
													WATER DATA	WATER PUMPED (L)	WATER PUMPED (L)	WATER PUMPED (L)	WATER DISPOSED AIR (L)	SURFACE (L)	SUBSURFACE (L)						
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)	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												
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	88.9	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	1.7	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)	221,882	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
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IDaho Operations Office
United States Department of Energy
INEL Nonradiological Waste Management Information System

FOR JANUARY THROUGH DECEMBER 1994
CPP WATER USAGE AND DISPOSAL SUMMARY

(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
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IDaho Operations Office
United States Department of Energy
INEL Nonradiological Waste Management Information System
FOR JANUARY THROUGH DECEMBER 1994

CPP FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

(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

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CPP													
TONS BURNED	1,260	827											
AVG BTUS	.01000	.01280											
NO2 (M TONS)	8	6											
SO2 (M TONS)	1												
GRAND TOTALS:	1,260	827											
TONS BURNED	8	6											
NO2 (M TONS)	1												
SO2 (M TONS)													

1,035	873	1,778	602									
.01254	8	.01000	.01000									
		6	12									
			1									
				4								

1,035	873	1,778	602									
.01254	8	.01000	.01000									
		6	12									
			1									
				4								

1,035	873	1,778	602									
.01254	8	.01000	.01000									
		6	12									
			1									
				4								

CPP-12

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

Decontamination and Decommissioning 1994 Detail Data

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



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24-MAR-95

DAD LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 6-I
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	14.1	0.4
MASONRY AND CONCRETE											52.8	52.8	
SCRAP METAL											2.3	2.3	
TRASH, SWEEPINGS, ETC.											19.1	19.1	
WOOD AND SCRAP LUMBER													
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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FOR JANUARY THROUGH DECEMBER 1994

NRF AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 184-I
NRF

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	ANNUAL TOT VOL/WEIGHT										
		FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
COOLING TOWERS VOLUME (1000 CM)	20	3	5	6	7	7	7	4	8	3	3	5

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
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NRF LIQUID DISPOSED SUBSTANCES SUMMARY

26-JUL-95

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	1	13
CALCIUM ION WEIGHT (KGS)	9	8	4	13	13	9	6	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	
HYPPOCHLORITE 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	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

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

26-JUL-95

NRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 185-1
NRF

RELEASE POINT DESCRIPTION		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 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)	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	463,616 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
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NRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 185-1
NRF

26-JUL-95

RELEASE POINT DESCRIPTION		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT NRF
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	9,663	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

NRF LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 186-1
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	6.1	108.6	24.5	24.5	12.2	71.9	45.9	0.8	12.2	58.1	305.1
ASPHALT	95.6	67.3	78.8	81.0	53.5	87.2	22.2	8.4	277.5	331.1	269.9	1.5	1,099.5
CAFETERIA GARBAGE						122.3	78.0	107.0	93.3	72.6	73.4	45.9	1,002.4
DIRT AND GRAVEL						34.4	7.6	7.6	9.9	7.3	22.9	0.8	99.8
MASONRY AND CONCRETE						3.1	11.1	26.0	3.1	26.8	45.1	42.8	3.1
SCRAP METAL						17.6	22.2	15.3	6.1	12.6	21.4	15.7	216.5
TRASH, SWEEPINGS, ETC.						11.5	21.4	618.9	532.2	952.7	645.3	539.8	186.7
WEEDS, GRASS AND TREES						671.3	570.4	708.0	635.4	7.6	406.0	352.5	7,219.7
WOOD AND SCRAP LUMBER						32.1	5.4	33.6	27.5	6.1	8.4	12.2	7.6
GRAND TOTALS:						838.8	695.0	850.2	926.7	831.1	757.0	728.7	186.2
													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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IDaho Operations Office
United States Department of Energy
INEL Nonradiological Waste Management Information System

FOR JANUARY THROUGH DECEMBER 1994
NRF WATER USAGE AND DISPOSAL SUMMARY

(ALL VOLUMES = NEAREST THOUSAND LITERS)

27-JUL-95

RPT 187-1
NRF

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT CONC	
													WATER DATA	SEWAGE 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	53	45	61	45	61	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	36,712	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	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
UNITED STATES DEPARTMENT OF ENERGY
INTEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

27-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
NRF WATER USAGE AND DISPOSAL SUMMARY

(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
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NRF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

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

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

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
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IDaho Operations Office
United States Department of Energy
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FOR JANUARY THROUGH DECEMBER 1994

PBF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-1
PBF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS	
													PBF	PBF
CHLORIDE ION WEIGHT (KGS)													0	0
DODECYLGUANIDINE HYDROCHLORIDE WEIGHT (KGS)													3	3
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)	0	0											1	1
HEDP WEIGHT (KGS)													3	3
HPS I CARBOXAL ACID WEIGHT (KGS)													6	6
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	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

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

PBF LIQUID DISPOSED SUBSTANCES SUMMARY

27-JUL-95

RPT 195-I
PBF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
PHOSPHATE WEIGHT (KGS)													4
POLYACRYLATE WEIGHT (KGS)													3
POLYACRYLATE ACID WEIGHT (KGS)													0
POLYALKYLENE GLYCOL WEIGHT (KGS)													13
POTASSIUM HYDROXIDE WEIGHT (KGS)	0	0											1
POTASSIUM ION WEIGHT (KGS)													1
PYRO PHOSPHATE WEIGHT (KGS)													4
SALT OF EDTA WEIGHT (KGS)													0
SODIUM HYDROXIDE WEIGHT (KGS)													0
SODIUM ION WEIGHT (KGS)	0	1	1										1
SODIUM LIGNOSULFONATE WEIGHT (KGS)	0	0											59
SULFATE ION WEIGHT (KGS)	0	2	2										59
SULFITE ION WEIGHT (KGS)	0	2	2										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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FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

RPT 195-1
PBF

PBF LIQUID DISPOSED SUBSTANCES SUMMARY

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

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
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

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	
													4	19
DRAINAGE BOILER VOLUME (1000 L)	PH	SURFACE VOLUME (1000 L)	4	4	4	4	4	4	4	4	4	4	4	19
ETHYLENEDIAMINE TETRAACETIC ACID														
CONC. (MG/L)	99.70	99.70												
WEIGHT (KGS)	0	0												
POTASSIUM HYDROXIDE														
CONC. (MG/L)	99.70	99.70												
WEIGHT (KGS)	0	0												
SODIUM ION														
CONC. (MG/L)	46.23	231.37												
WEIGHT (KGS)	0	1												
SODIUM LIGNOSULFONATE														
CONC. (MG/L)	99.70	99.70												
WEIGHT (KGS)	0	0												
SULFITE ION														
CONC. (MG/L)	80.43	402.51												
WEIGHT (KGS)	0	2												
EVAPORATION POND VOLUME (1000 L)	PH	SURFACE VOLUME (1000 L)												
CHLORIDE ION														
CONC. (MG/L)	0.86	0												
WEIGHT (KGS)	0	0												

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

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PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-1
PBF

27-JUL-95

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC	
													PBF	PBF
EVAPORATION POND	SURFACE												8.67	5.76
HEDP													3	1
CONC. (MG/L)														7.70
WEIGHT (KGS)														3
HPS I CARBOXYL ACID														
CONC. (MG/L)														
WEIGHT (KGS)														
HYDROXYCARBONS														
CONC. (MG/L)														
WEIGHT (KGS)														
MOLYBDATE SALT														
CONC. (MG/L)														
WEIGHT (KGS)														
N-HYDROCARBON														
CONC. (MG/L)														
WEIGHT (KGS)														
NITRATE SALT														
CONC. (MG/L)														
WEIGHT (KGS)														
ORTHO PHOSPHATE														
CONC. (MG/L)														
WEIGHT (KGS)														
PHOSPHATE														
CONC. (MG/L)														
WEIGHT (KGS)														

PBF-7

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

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	
POLYACRYLATE														
CONC. (MG/L)														
WEIGHT (KGS)														
POLYACRYLATE ACID														
CONC. (MG/L)														
WEIGHT (KGS)														
POTASSIUM HYDROXIDE														
CONC. (MG/L)														
WEIGHT (KGS)														
POTASSIUM ION														
CONC. (MG/L)														
WEIGHT (KGS)														
PYRO PHOSPHATE														
CONC. (MG/L)														
WEIGHT (KGS)														
SALT OF EDTA														
CONC. (MG/L)														
WEIGHT (KGS)														
SODIUM HYDROXIDE														
CONC. (MG/L)														
WEIGHT (KGS)														
SODIUM ION														
CONC. (MG/L)														
WEIGHT (KGS)														

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

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IDaho Operations Office
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INEL Nonradioological Waste Management Information System
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PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-1
PBF

27-JUL-95

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

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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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
FOR JANUARY THROUGH DECEMBER 1994

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)	119	188	214	352	307	732	201	438	288	252	161	229	3,481	
JANITORIAL SUPPLIES CONC. (MG/L)	24.10	21.19	12.89	14.75	6.19	22.62	10.36	15.77	17.98	42.38	29.73	7	16.94	
WEIGHT (KGS)	5	5	5	5	5	5	5	5	5	5	5	5	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
FOR JANUARY THROUGH DECEMBER 1994

PBF LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 196-1
PBF

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASPHALT													12.2
DIRT AND GRAVEL													10.7
MASONRY AND CONCRETE	1.9	0.4	0.4	0.4	5.4	5.4							6.5
SCRAP METAL	84.1	47.4	3.1	1.5	2.7								10.7
TRASH, SWEEPINGS, ETC.			63.5	52.8	35.9	37.1	73.0	40.1	5.4	0.4	2.3	26.8	
WEEDS, GRASS AND TREES	5.0	5.4	3.4	2.3	3.1	0.8	1.1	0.8	0.4	0.4	41.3	35.9	645.3
WOOD AND SCRAP LUMBER													2.7
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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IDaho Operations Office
United States Department of Energy
INEL Nonradioological Waste Management Information System

FOR JANUARY THROUGH DECEMBER 1994
PBF WATER USAGE AND DISPOSAL SUMMARY

(ALL VOLUMES = NEAREST THOUSAND LITERS)

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

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 DISPOSED

AIR (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
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
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0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

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

27-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
PBF WATER USAGE AND DISPOSAL SUMMARY

(ALL VOLUMES = NEAREST THOUSAND LITERS)

RPT 197-I
PBF

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	TOT
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
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UNITED STATES DEPARTMENT OF ENERGY
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PBF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

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

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

Radioactive Waste Management Complex 1994 Detail Data

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Report 257—WMC Water Usage And Disposal Summary	WMC-4



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IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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WMC LANDFILL SOLID DISPOSED WASTE SUMMARY

(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
MASONRY AND CONCRETE													1.9
SCRAP METAL													1.9
TRASH, SWEEPINGS, ETC.	61.6	61.2	4.2	3.1	0.4	3.1	3.1	0.8	6.1	48.6	55.4	71.9	20.6
WEEDS, GRASS AND TREES			73.8	68.8	57.0	58.9	79.9	80.3	92.9	2.3	2.3	810.1	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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United States Department of Energy
INEL Nonradiological Waste Management Information System

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

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FOR JANUARY THROUGH DECEMBER 1994
WMC WATER USAGE AND DISPOSAL SUMMARY

(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



Special Manufacturing Capability 1994 Detail Data

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



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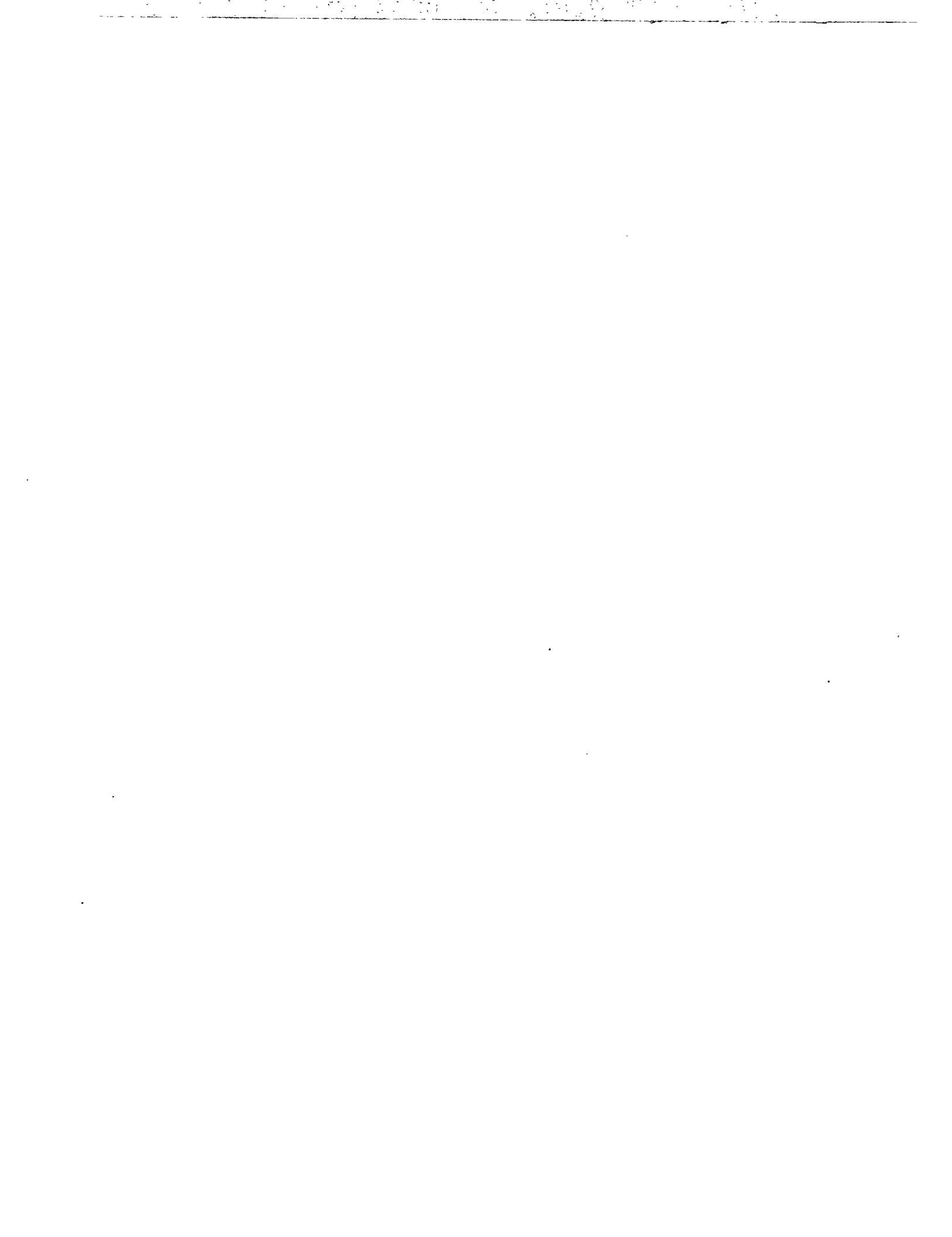
IDaho Operations Office
United States Department of Energy
INEL Nonradioological Waste Management Information System
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SMC FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

(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)													

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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27-JUL-95

TAN LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 216-I
TAN

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS													
ASPHALT	18.4												
CAFETERIA GARBAGE	3.1	24.5											
DIRT AND GRAVEL			6.5	21.8	2.3	9.2	0.8	42.8	315.8	13.8	7.6		
MASONRY AND CONCRETE		18.4		209.1	43.6	69.6	18.4	14.1	50.5	7.6			
SCRAP METAL	181.2	182.0	177.0	6.1	219.4	200.3	152.9	203.0	206.4	214.9	217.9	133.8	416.7
TRASH, SWEEPINGS, ETC.	13.0					7.6	6.1	29.1	6.1	6.1	13.8	0.4	235.8
WOOD AND SCRAP LUMBER													2,288.0
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	64.2

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



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
Report 236—TRA Landfill Solid Disposed Waste Summary	TRA-12
Report 237—TRA Water Usage And Disposal Summary	TRA-13
Report 238—TRA Fuel Oil Usage And Stack Effluents Summary	TRA-15



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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	40	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	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
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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	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	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	32	26	26	32	327	
SODIUM SULFATE WEIGHT (KGS)												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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United States Department of Energy
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TRA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-1
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
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INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
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TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-1
TRA

27-JUL-95

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)	1,904	2,264	2,199	1,760	1,616	1,753	1,756	1,904	2,347	1,688	1,987	22,868		
SODIUM HYDRATE SOLUTION CONC. (MG/L) WEIGHT (KGS)														
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									
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)	49,733	43,070	119,853	62,005	67,887	87,405	88,139	80,970	60,529	50,762	41,412	57,008	808,773	7.8
(1-HYDROXYETHYLIDENE)BISPHOSPONIC 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
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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

27-JUL-95

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC	
													TRA-7	
COLD WASTE POND SURFACE														
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE														
CONC. (MG/L)	1.54	2.37												
WEIGHT (KGS)	77	102												
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	0.62
WEIGHT (KGS)	40	40	50	40	40	40	40	40	50	40	40	50	50	505
DODECYLGUANIDINE HYDROCHLORIDE														
CONC. (MG/L)	0.92	1.42												
WEIGHT (KGS)	46	61												
ETHYL ALCOHOL														
CONC. (MG/L)	0.31	0.47	0.03	0.08	0.08	0.06	0.17	0.19	0.34	0.30	0.37	0.27	0.18	0.18
WEIGHT (KGS)	15	20	1	5	5	5	15	15	20	15	15	15	15	148
IMPURITY														
CONC. (MG/L)	0.03	0.03	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.02	0.04	0.05	0.02	0.02
WEIGHT (KGS)	1	1	1	1	1	1	1	1	2	2	2	2	1	16
ISOPROPYL ALCOHOL														
CONC. (MG/L)	0.31	0.47												
WEIGHT (KGS)	15	20												
METHYLENE BIS(THIOCYANATE)														
CONC. (MG/L)	0.31	0.47												
WEIGHT (KGS)	15	20												
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	1.00
WEIGHT (KGS)	50	43	120	62	68	87	88	81	61	51	41	57	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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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			
													TRA	TRA	TRA	
COLD WASTE POND SURFACE POLYALKYLENE GLYCOL	4.00 199	6.16 265		1.07 66	0.98 66	0.76 66	2.26 199	2.46 199	4.38 265	3.92 199	4.81 199	3.49 199	2.38 1,924			
POTASSIUM HYDROXIDE	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			
SILICONE EMULSION	0.06 3	0.09 4		0.02 1	0.02 1	0.01 1	0.03 3	0.04 3	0.07 4	0.06 3	0.07 3	0.05 3	0.04 30			
SODIUM HYDROXIDE	0.06 3	0.09 4		0.02 1	0.02 1	0.01 1	0.03 3	0.04 3	0.07 4	0.06 3	0.07 3	0.05 3	0.04 30			
SODIUM ION	0.52 26	0.60 26	0.27 32	0.41 26	0.38 26	0.29 26	0.29 26	0.32 26	0.53 32	0.51 26	0.62 26	0.56 32	0.41 327			
SODIUM TOLYTRIAZOLE	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			
SULFATE ION	155.11 7,714	433.31 18,663			0.00 0					353.62 21,404	237.24 12,043	330.38 13,682	308.93 17,612	112.66 91,117		
TDS	320.00 15,914	320.00 13,782	320.00 38,353	370.00 22,942	370.00 25,118	370.00 32,340	370.00 32,612	370.00 29,959	370.00 22,396	370.00 18,782	340.00 14,080	340.00 19,383	353.20 285,661			

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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FOR JANUARY THROUGH DECEMBER 1994

TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-1
TRA

RELEASE POINT SUBSTANCE	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC	
														TRA	TRA
COLD WASTE POND	SURFACE														
TETRAPOTASSIUM PYROPHOSPHATE		9.08	9.391			0.80	0.65	0.89	0.84	1.89	8.76	5.00	9.99	6.84	3.31
CONC. (MG/L)	6.04					50	44	78	74	153	530	254	414	390	2,677
WEIGHT (KGS)	301														
TOTAL HARDNESS															
CONC. (MG/L)	220.00			220.00		230.00	230.00	230.00	230.00	230.00	230.00	242.00	230.00	230.00	228.12
WEIGHT (KGS)	10,941			9,475		14,261	15,614	20,103	20,272	18,623	13,922	12,284	9,525	13,112	184,500
TRIBUTYLTIN OXIDE															
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	20	15	15	15	15	148
COOLING TOWERS EVAP	AIRBORNE														
VOLUME (1000 L)	83,794			105,473											
PH															
IRRIGATION	SURFACE														
VOLUME (1000 L)															
PH															
CHLORIDE ION															
CONC. (MG/L)	0.00														
WEIGHT (KGS)	0														
HYPOCHLORITE ION															
CONC. (MG/L)	0.00														
WEIGHT (KGS)	0														
RADIOACTIVE STREAM	SURFACE														
VOLUME (1000 L)	1,700			2,748		2,347	1,949	1,018	1,423	2,778	2,661	2,752	2,279	2,002	2,351
PH						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

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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 TOTAL VOL/WEIGHT AVG CONC	
													TRA	TRA
RADIOACTIVE STREAM CHLORIDE ION	SURFACE													
CONC. (MG/L)		0.00		0.00		0.00		0.00		0.00		0.00		0.00
WEIGHT (KGS)		0		0		0		0		0		0		0
HYPPOCHLORITE ION														
CONC. (MG/L)		0.00		0.00		0.00		0.00		0.00		0.00		0.00
WEIGHT (KGS)		0		0		0		0		0		0		0
SEWAGE PLANT PH	SURFACE VOLUME (1000 L)	5,148	4,766	4,732	5,633	5,004	4,997	6,193	6,617	7,366	7,393	62,762	5,758	126,398
CARBOXYALKYLATED POLYSACCHARIDE														
CONC. (MG/L)													0.00	0.00
WEIGHT (KGS)													0	0
CARBOXYLATED LIGNIN													0.00	0.00
CONC. (MG/L)													0	0
WEIGHT (KGS)													0	0
CHLORIDE ION														
CONC. (MG/L)		0.00		0.00		0.00		0.00		0.00		0.00		0.00
WEIGHT (KGS)		0		0		0		0		0		0		0
HYPPOCHLORITE ION														
CONC. (MG/L)		0.00		0.00		0.00		0.00		0.00		0.00		0.00
WEIGHT (KGS)		0		0		0		0		0		0		0
POLYALKYLENE GLYCOL														
CONC. (MG/L)		0.00		0.00		0.00		0.00		0.00		0.00		0.00
WEIGHT (KGS)		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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TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

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RPT 235-1
TRA

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

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

TRA LANDFILL SOLID DISPOSED WASTE SUMMARY

27-JUL-95

RPT 226-1
TRA

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS													29.1
ASPHALT													1.1
DIRT AND GRAVEL													1.5
MASONRY AND CONCRETE													20.3
SCRAP METAL	3.1	9.2	9.2	9.6	86.0	9.2	13.8	7.6	3.1	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
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

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

27-JUL-95

FOR JANUARY THROUGH DECEMBER 1994
TRA WATER USAGE AND DISPOSAL SUMMARYRPT 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	DEC	Avg Conc	ANNUAL Tot Vol/Weight
WATER DATA															
001 WATER PUMPED (L)															
004 WATER PUMPED (L)	142,255	158,305	4,709	124,422	96,717	104,212	137,031	146,419	151,037	205,926	141,953	160,690	175,264	1,744,233	20,460
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	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

FOR JANUARY THROUGH DECEMBER 1994
TRA WATER USAGE AND DISPOSAL SUMMARY

(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	

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

TRA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

(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	1	945
SO2 (KGS)	1	1	0	0	0	0	1	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	1	945
SO2 (KGS)	1	1	0	0	0	0	1	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



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



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IDaho Operations Office
UNITED STATES DEPARTMENT OF ENERGY
INTEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

27-JUL-95

TSF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 225-1
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
EDETAE 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								1,620
SODIUM LIGNOSULFONATE WEIGHT (KGS)	9	12	1	12	2					125	124	380	1,620
SULFATE ION WEIGHT (KGS)													13
SULFITE ION WEIGHT (KGS)	24	26											14
													75

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

TSF-3

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

TSF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 225-1
TSF

27-JUL-95

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC	
													TSF	TSF
DISPOSAL POND VOLUME (1000 L)	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	
PH														
CHLORIDE ION CONC. (MG/L)	183.61	57.09	36.67	47.90	28.67									
WEIGHT (KGS)	619	303	179	275	96									
CYCLOHEXYLAMINE CONC. (MG/L)	0.37	0.55	0.07	0.15	0.05									
WEIGHT (KGS)	1	3	0	1	0									
EDEATE SODIUM CONC. (MG/L)														
WEIGHT (KGS)														
ETHYLENEDIAMINE TETRAACETIC ACID CONC. (MG/L)	2.77	2.28	0.16	2.03	0.58									
WEIGHT (KGS)	9	12	1	12	2									
JANITORIAL SUPPLIES														
CONC. (MG/L)														
WEIGHT (KGS)														
LIGNOSULFONIC ACID, SODIUM SALT CONC. (MG/L)	82.04	15.48												
WEIGHT (KGS)	277	82												
MORPHOLINE CONC. (MG/L)	0.37	0.55	0.07	0.15	0.05									
WEIGHT (KGS)	1	3	0	1	0									
POTASSIUM HYDROXIDE CONC. (MG/L)	2.77	2.28	0.16	2.03	0.58									
WEIGHT (KGS)	9	12	1	12	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

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994
TSF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

27-JUL-95

RPT 225-1
TSF

RELEASE POINT SUBSTANCE	DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC		
														1	2	3
DISPOSAL POND	SURFACE															
SODIUM ION																
CONC. (MG/L)	123.15	39.77	25.27	31.04	18.58											
WEIGHT (KGS)	415	211	123	178	62											
SODIUM LIGNOSULFONATE																
CONC. (MG/L)	2.77	2.28	0.16	2.03	0.58											
WEIGHT (KGS)	9	12	1	12	2											
SULFATE ION																
CONC. (MG/L)																
WEIGHT (KGS)																
SULFITE ION																
CONC. (MG/L)	7.26	4.83														
WEIGHT (KGS)	24	26														

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

FOR JANUARY THROUGH DECEMBER 1994
TSF WATER USAGE AND DISPOSAL SUMMARY

(ALL VOLUMES = NEAREST THOUSAND LITERS)

27-JUL-95

RPT 227-1
TSF

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG CONC	ANNUAL TOT VOL/HEIGHT	
														WATER DATA	WATER DISPOSED
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		
AIR (L)															
SURFACE (L)															
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	0.00	0.07	0.03	0.01	0.03	0.02	0.00	0.00	0.02	0.02		
% REMOVED	99.8	100.0	99.7	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	7.4	7.4	7.6	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

FOR JANUARY THROUGH DECEMBER 1994
TSF WATER USAGE AND DISPOSAL SUMMARY

(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	
													000's	000's
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	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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IDaho Operations Office
United States Department of Energy
INEL Nonradiological Waste Management Information System
FOR JANUARY THROUGH DECEMBER 1994

TSF FUEL, OIL USAGE AND STACK EFFLUENTS SUMMARY

(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									
SO2 (KGS)	1	0	0	1									
NOX (KGS)													
PARTICULATES (KGS)													
TYPE 5													
VOLUME (LITERS)	42	290	153	9									
SO2 (KGS)	0	2	1	0									
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	197	297	157	117									
SO2 (KGS)	1	2	1	1									
NOX (KGS)													
PARTICULATES (KGS)													

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

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



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

WRF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 265-I
WRF

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

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

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											
													SURFACE 369	309	463	231	1,009	839	1,329	1,130	568	130	334	68
WRRTF EVAP POND VOLUME (1000 L)																								
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)	149.24 55	89.02 28																						
CYCLOHEXYLAMINE CONC. (MG/L) WEIGHT (KGS)	0.84 0	0.58 0																						
ETHYLEDIAMINE TETRAACETIC ACID CONC. (MG/L) WEIGHT (KGS)	6.34 2	5.04 2																						
JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)	66.41 24	46.94 15																						
MORPHOLINE CONC. (MG/L) WEIGHT (KGS)	0.84 0	0.58 0																						
POTASSIUM HYDROXIDE CONC. (MG/L) WEIGHT (KGS)	6.34 2	5.04 2																						
SODIUM ION CONC. (MG/L) WEIGHT (KGS)	103.44 38	63.57 20																						
SODIUM LIGNOSULFONATE CONC. (MG/L) WEIGHT (KGS)	6.34 2	5.04 2																						

WRF-4

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

PAGE: 2
SCHED. NO. INRPT008

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

WRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

27-JUL-95

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 SULFITE ION CONC. (MG/L) WEIGHT (KGS)	11.71	10.25											2.59	46.50	1.70
													1	3	12

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
WRF WATER USAGE AND DISPOSAL SUMMARY

(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 WRF	
													WRF	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) SUBSURFACE (L)	369	309	463	231	1,009	839	1,329	1,130	568	130	334	68	6,778	
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
FINAL CONC. (MG/L)														12.8
% REMOVED														74.1
DISSOLVED OXYGEN (DO)														
RAW CONC. (MG/L)														4.3
FINAL CONC. (MG/L)														5.9
INCREASED FACTOR														0.4
SETTLEABLE SOLIDS (SS)														
RAW CONC. (ML/L)														4.9
FINAL CONC. (ML/L)														0.01
% REMOVED														99.8
PH FINAL														
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
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FOR JANUARY THROUGH DECEMBER 1994
WRF WATER USAGE AND DISPOSAL SUMMARY

(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	125.0	100.0	100.0	100.0	100.0	100.0	100.0	103.5	

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1994

WRF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

(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
SO2 (KGS)	0	0	0	2									0
NOX (KGS)													0
PARTICULATES (KGS)													2
GRAND TOTALS:													
VOLUME (LITERS)	26	23	20	289									5
SO2 (KGS)	0	0	0	2									0
NOX (KGS)													0
PARTICULATES (KGS)													2

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