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Idaho National Engineering Laboratory Nonradiological Waste Management Information For 1993 And Record To Date



Idaho National Engineering Laboratory

U.S. Department of Energy Idaho Field Office



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**Idaho National Engineering Laboratory
Nonradiological Waste Management Information
For 1993 and Record To Date**

**A. M. Sims
K. A. Taylor**

Published August 1994

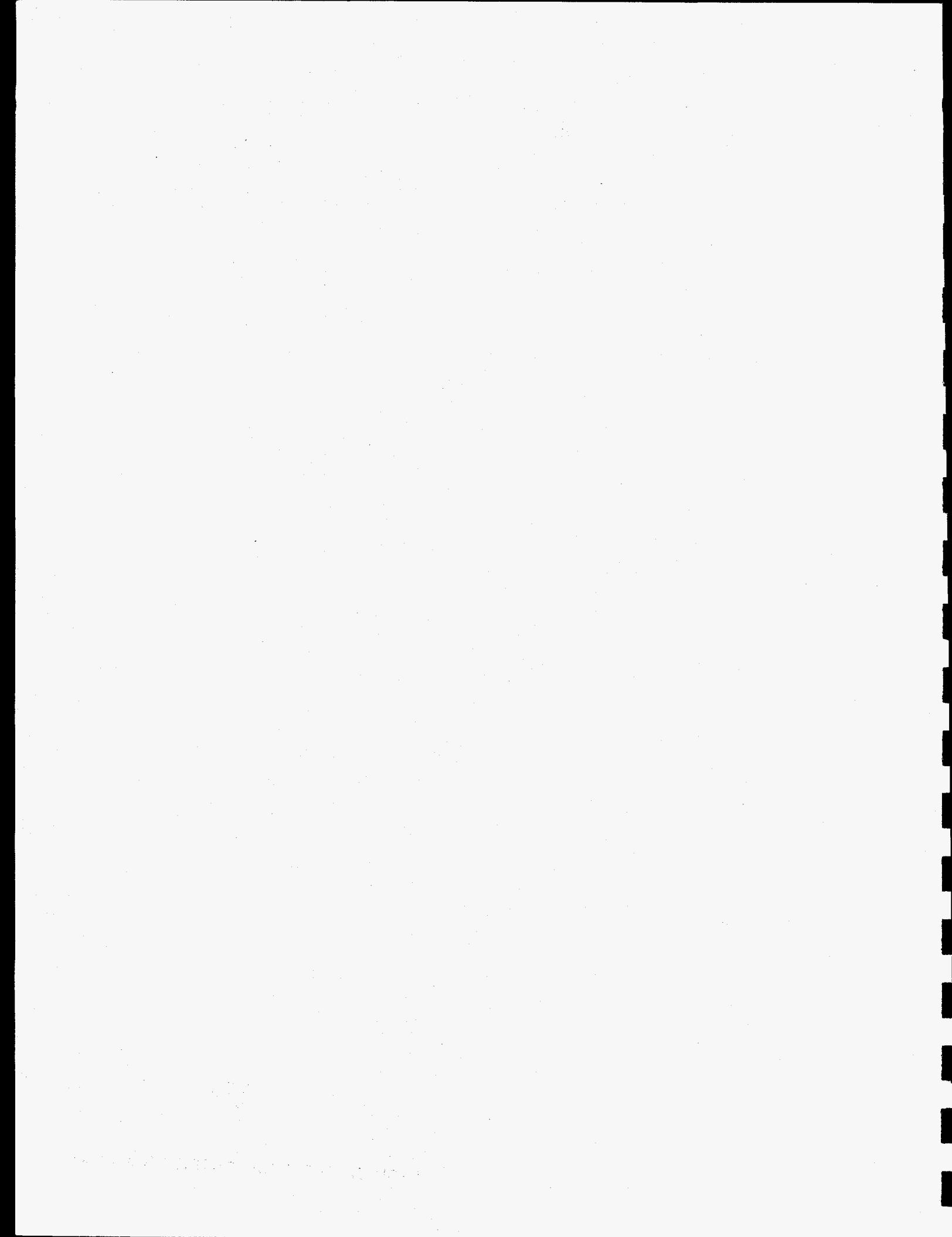
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EG&G Idaho, Inc.
Idaho Falls, Idaho 83415**

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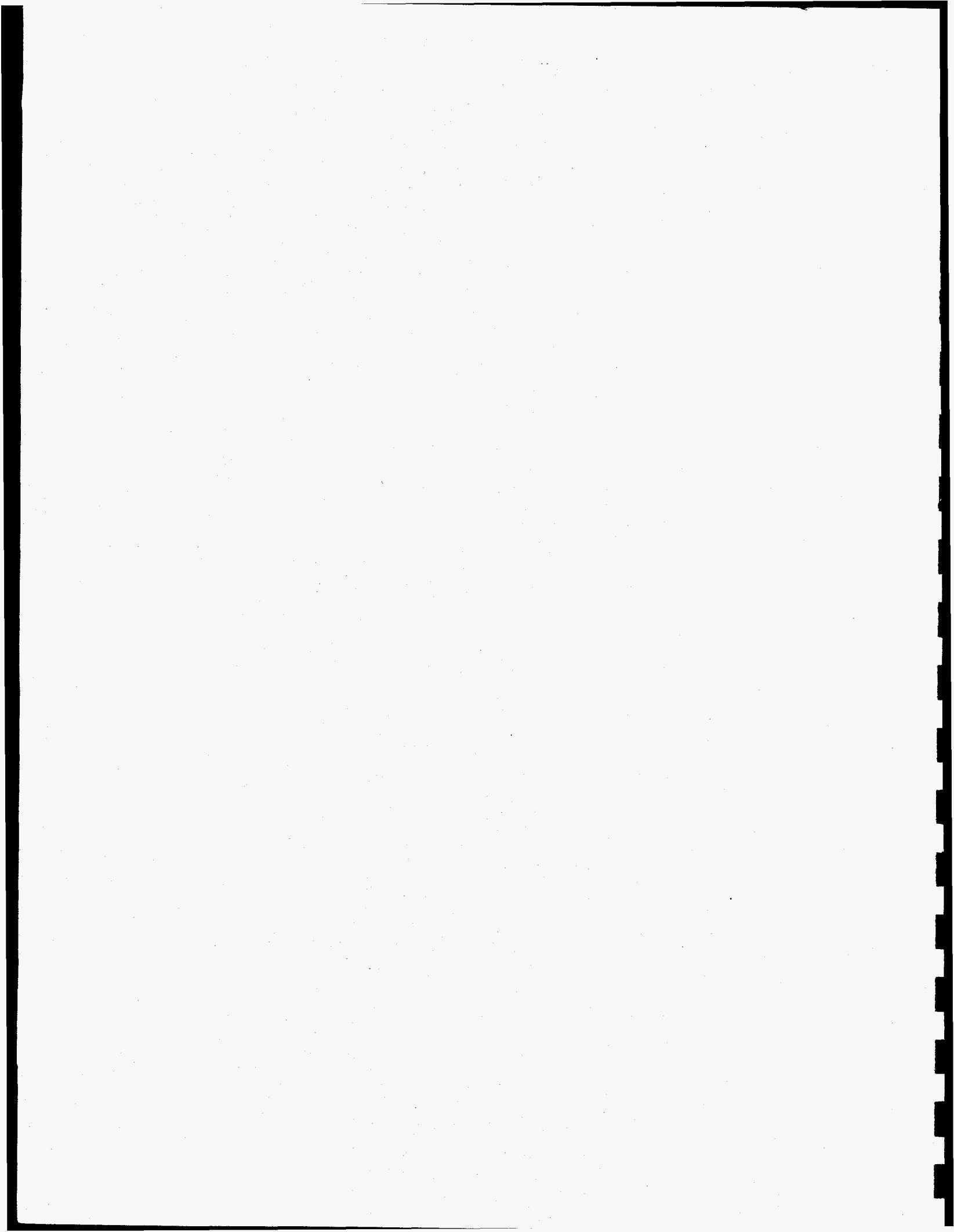
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ABSTRACT

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 1993. This report summarizes industrial waste data records compiled since 1971 for the Idaho National Engineering Laboratory (INEL). The data presented are from the INEL Nonradiological Waste Management Information System.



EXECUTIVE SUMMARY

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

U.S. Department of Energy contractors routinely report data to the INWMIS. The system provides routine and special reports for nonradiological airborne and liquid effluents, fuel oil consumption, water usage, storage/disposal of solid wastes, and hazardous wastes shipped off-Site.

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 the INWMIS.

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

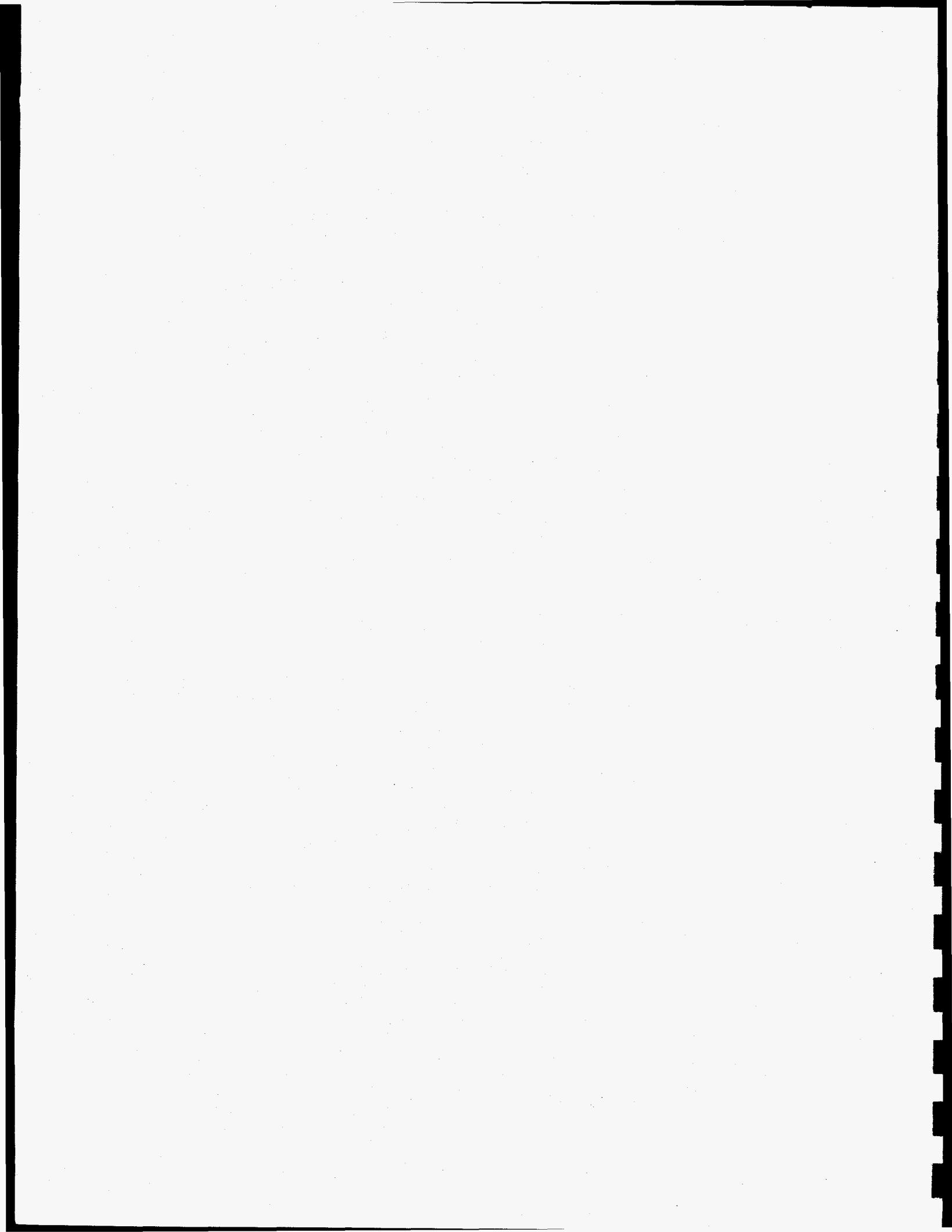
A total of 52,568 m³ of solid industrial waste was disposed of in sanitary landfills at the INEL during 1993. This represents an increase of 2.2% from the 51,433 m³ discarded in 1992.

A total of 2,872,675 kg of liquid and airborne industrial waste was discharged in 1993. The industrial waste included 2,374,916 kg of chemicals, 268,678 kg of total dissolved solids, and 229,081 kg of total hardness discharged as liquid wastes to the lithosphere at the INEL. This waste represents a 19% increase over the total quantity of 1,989,972 kg in 1992 and a decrease from the total quantity of 3,146,731 kg in 1991.

The INEL used a total of 13,214,309 liters of fuel oil during 1993, which produced 128,514 kg of sulfur dioxide (SO₂) and 3,075 kg of particulates. During 1992, 9,586,173 liters of fuel oil were used, producing 84,861 kg of SO₂ and 2,481 kg of particulates.

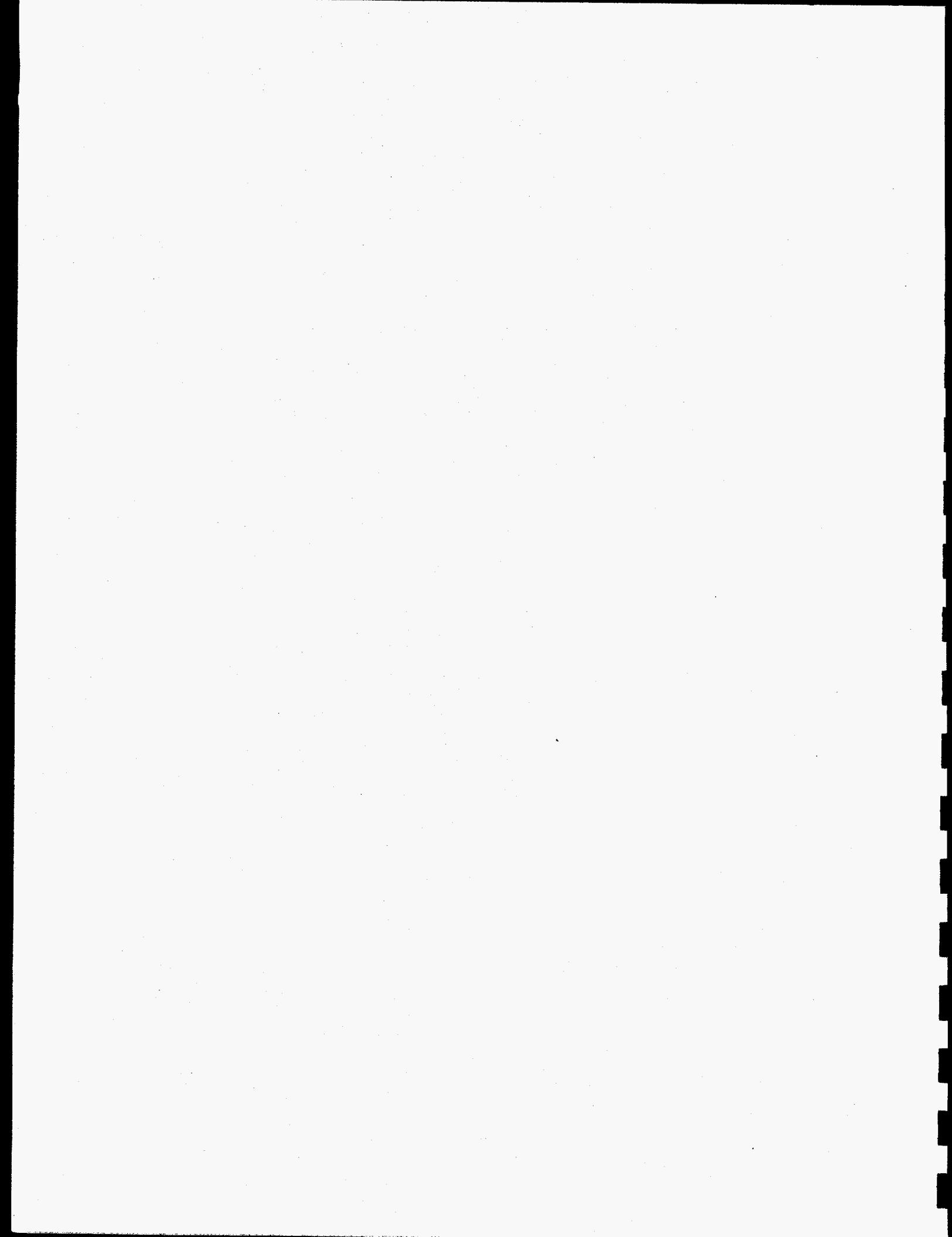
A total of 6,497,948,000 liters of water was pumped from the aquifer by the INEL during 1993, compared to 7,617,914,000 liters in 1992 and 8,805,204,000 liters in 1991. However, the majority of this water returned to the lithosphere through seepage ponds. Remaining water was lost to the atmosphere through cooling towers and other evaporatory processes.

Please note that Argonne National Laboratory-West did not operate its cooling towers in April and May because of routine reactor maintenance. An extensive review of Coal Fire Plant emissions data has been performed resulting in corrections to SO₂ emitted data.



CONTENTS

ABSTRACT	iii
EXECUTIVE SUMMARY	v
ACRONYMS AND ABBREVIATIONS	ix
CONVERSION FACTORS	x
DEFINITIONS	x
INTRODUCTION	1
TAB SECTIONS	
INEL Record To Date Summaries	
INEL Record To Date Detail Summaries	
INEL 1993 Year-To-Date Summaries	
Argonne National Laboratory-West, 1993 Detail Data	
Central Facilities Area, 1993 Detail Data	
Chemical Processing Plant, 1993 Detail Data	
INEL Research Center, 1993 Detail Data	
Naval Reactors Facility, 1993 Detail Data	
Power Burst Facility, 1993 Detail Data	
Protection Technology Idaho, 1993 Detail Data	
Radioactive Waste Management Complex, 1993 Detail Data	
Special Manufacturing Capability, 1993 Detail Data	
Test Area North, 1993 Detail Data	
Test Reactor Area, 1993 Detail Data	
Technical Support Facility—Test Area North, 1993 Detail Data	
Willow Creek Building, 1993 Detail Data	
Waste Engineering Development Facility, 1993 Detail Data	
Waste Experimental Reduction Facility, 1993 Detail Data	
Water Reactor Research Test Facility-TAN, 1993 Detail Data	



ACRONYMS AND ABBREVIATIONS

ANL	Argonne National Laboratory-West	PTI	Protection Technology Idaho
CFA	Central Facilities Area	RWMC	Radioactive Waste Management Complex (same as WMC)
CPP	Idaho Chemical Processing Plant	SMC	Special Manufacturing Capability
CTF	Containment Test Facility (formerly Loss-of-Fluid Test Facility)	SO ₂	sulfur dioxide
CY	Calendar Year	TAN	Test Area North
HWSF	Hazardous Waste Storage Facility (same as CFA 637)	TDS	total dissolved solids
INEL	Idaho National Engineering Laboratory	TRA	Test Reactor Area
IRC	Idaho Research Center	TSF	Technical Support Facility
INWMIS	INEL Nonradiological Waste Management Information System	WDF	Waste Engineering Development Facility (same as WEDF)
IWMIS	Industrial Waste Management Information System	WEDF	Waste Engineering Development Facility (same as WDF)
kg	kilogram	WER	Waste Experimental Reduction Facility (same as WERF)
L	liter	WERF	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)
NO _x	nitric oxides		
NRF	Naval Reactors Facility		
PBF	Power Burst Facility		

CONVERSION FACTORS

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

DEFINITIONS

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

INEL Nonradiological Waste Management Information For 1993 And Record To Date

INTRODUCTION

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

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

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

The INEL Industrial Waste Summary, a table that lists the waste data available for 1971 through 1993, is located within the tab section *INEL Record To Date Summaries*. Found in the tab section *INEL Record to Date Detail Summaries* are tables that summarize INEL record to date information, and bar graphs and pie charts that provide 1993 summaries and detailed data for solid and liquid industrial waste, sanitary landfill waste, airborne and liquid industrial waste, chemical usage, fuel oil usage, water usage, coal usage, and waste oil. The graphs only show data for 1984 through 1993.

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

December 1993 are located in the tab section *INEL 1993 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 1991 to 1993 and a cumulative total for 1971 to 1990.

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 1991 to 1993 and a cumulative total for 1971 to 1990.

INEL 1993 Year-To-Date Summaries—

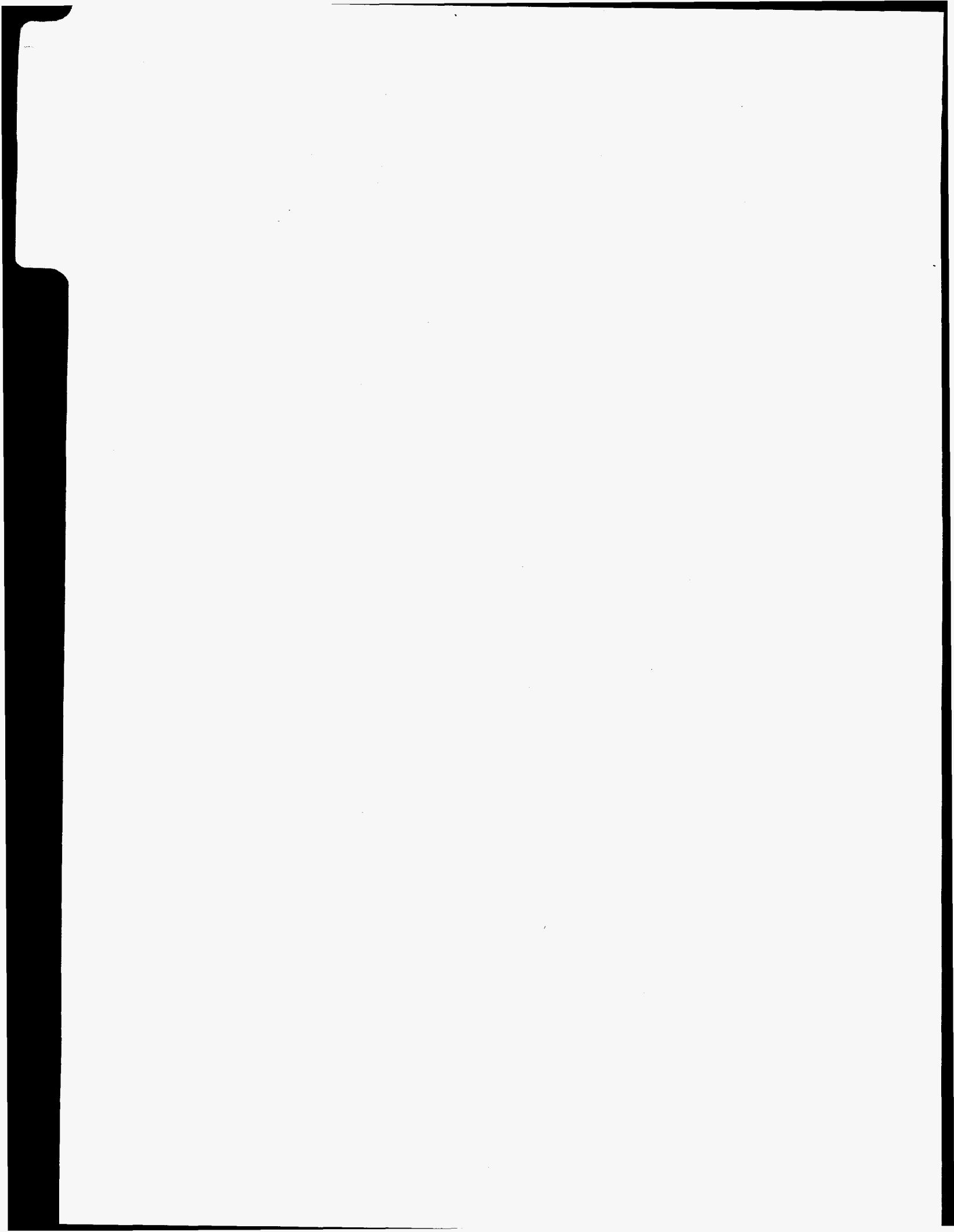
These reports summarize the year-to-date quantity of water pumped from the aquifer and discharged and the percent of waste accounted for at each facility; the quantity and type of industrial waste for each INEL facility; the types and quantities of fuel oil used at each INEL facility; and the gross volumes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

Area 1993 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



SCHED. NO. INRPT030

INEL INDUSTRIAL WASTE SUMMARY
RECORD TO DATE

WASTE TYPE		1971 - 1990	1991	1992	1993	TOTAL
LANDFILL WASTE*						
SOLID	(CUBIC METERS)	600,181	73,828	51,433	52,568	778,010
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)	70,085,966	3,370,127	2,405,973	2,457,195	78,319,261
AIRBORNE EFFLUENT						
CHEMICALS	(KILOGRAMS)	4,763,804	472,840	7,694	415,480	5,659,818
FUEL OIL AND DIESEL						
SO2	(KILOGRAMS)	6,745,747	150,721	84,861	128,514	7,109,844
PARTICULATE	(KILOGRAMS)	439,498	1,891	2,481	3,075	446,946
COAL						
* SO2	(KILOGRAMS)	72	5	21	10	108
NO2	(KILOGRAMS)	434	24	109	96	663
HAZARDOUS WASTE	(CUBIC METERS)	16	11	848	91	964
MIXED WASTE	(CUBIC METERS)	111	60	55	9	234
WASTE OIL	(LITERS)	1,161,857	121,504	53,367	51,531	1,388,258

* 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

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INEL INDUSTRIAL USAGE SUMMARY
RECORD TO DATE

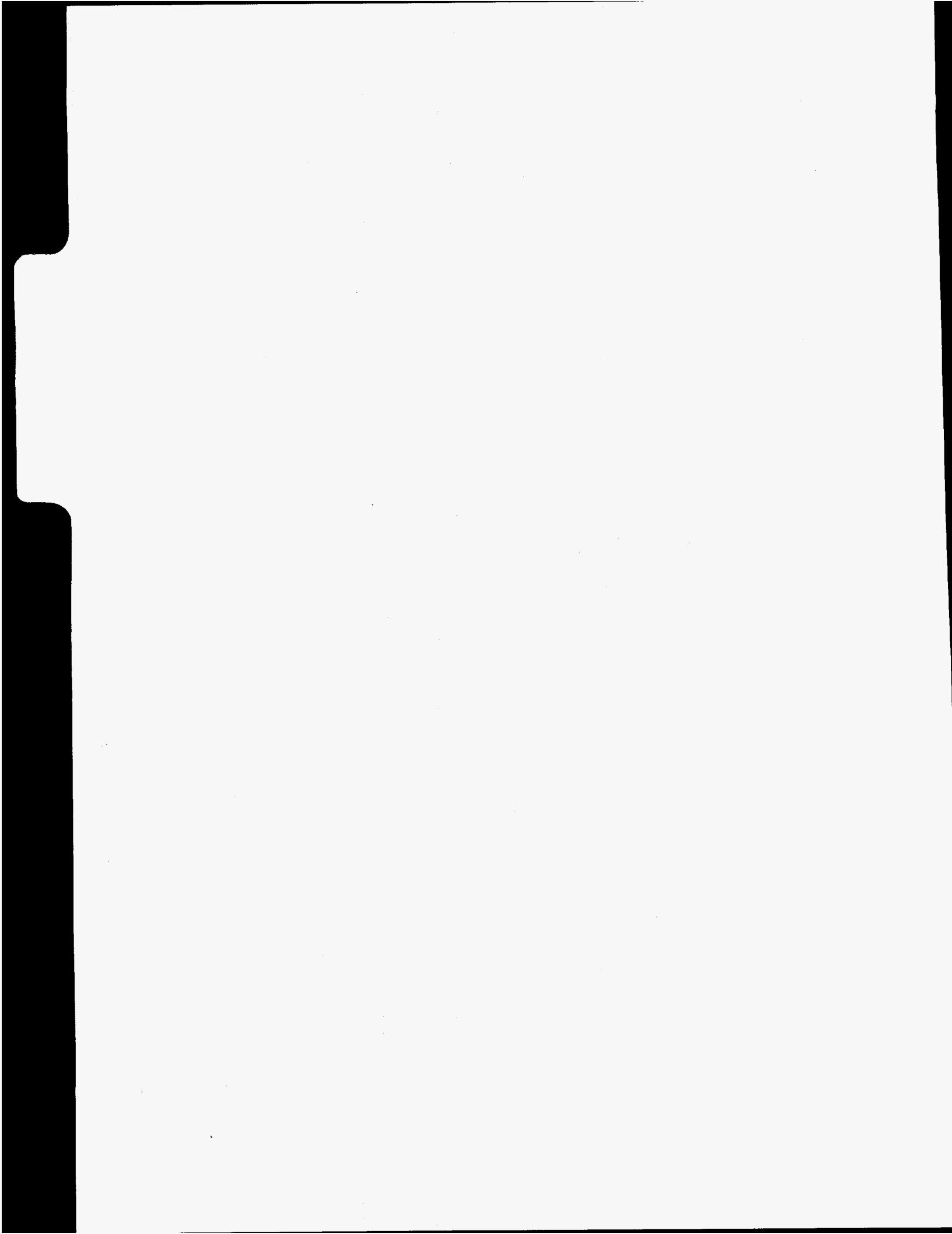
WASTE TYPE	1971 - 1990	1991	1992	1993	TOTAL
FUEL OIL & DIESEL (LITERS)	388,729,884	13,802,914	9,586,173	13,214,309	425,333,281
COAL (TONS)	52,051	3,291	12,464	11,635	79,441
WATER PUMPED (1000 LITERS)	169,245,530	8,005,204	7,617,914	6,803,963	191,672,610

INEL-A

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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INEL RECORD TO DATE DETAIL SUMMARIES

INEL Solid Landfill Waste In Cubic Meters, Record To Date	INEL-7
INEL Liquid Landfill Waste In Liters, Record To Date	INEL-8
CY 1984-1993 INEL Sanitary Landfill Waste, Bar Graph And Pie Charts	INEL-9
Airborne And Liquid Industrial Waste Substances Summary In Kilograms, Record To Date	INEL-10
CY 1984-1993 INEL Chemical Usage (Released As Airborne Effluents), Bar Graph And Pie Chart	INEL-15
CY 1984-1993 INEL Chemical Usage (Released As Liquid Effluents), Bar Graph And Pie Chart	INEL-16
INEL Fuel Oil & Diesel Summary, Record To Date	INEL-17
CY 1984-1993 INEL Fuel Oil & Diesel Usage, Bar Graph And Pie Chart	INEL-19
CY 1984-1993 Sulfur Dioxide Emitted From INEL Fuel Oil & Diesel Usage, Bar Graph And Pie Chart	INEL-20
CY 1984-1993 Particulate Emitted From INEL Fuel Oil & Diesel Usage, Bar Graph And Pie Chart	INEL-21
INEL Water Usage Summary In Thousand Liters, Record To Date	INEL-22
INEL Water Pumped Summary In Thousand Liters, Record To Date	INEL-23
CY 1984-1993 INEL Water Usage, Bar Graph And Pie Chart	INEL-24
CY 1993 INEL Water Usage, Pie Charts	INEL-25
INEL Coal Summary, Record To Date	INEL-26
CY 1987-1993 INEL Coal Usage, Bar Graph	INEL-28
CY 1987-1993 Sulfur Dioxide Emitted From INEL Coal Usage, Bar Graph	INEL-29
CY 1987-1993 Nitric Oxide Emitted From INEL Coal Usage, Bar Graph	INEL-30
INEL Waste Oil Summary In Liters, Record To Date	INEL-31



SCHED. NO. INRPT035

INEL SOLID LANDFILL WASTE IN CUBIC METERS
RECORD TO DATE

AREA	1971 - 1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
ANL	39,493	4,173	1,922	2,040	1,986	1,609	1,920	8,261	9,675	7,495	8,061	86,634
ARA	2,241	177	20	1	438	5						2,882
CFA	61,261	4,001	3,842	4,508	9,715	5,049	6,131	22,123	11,549	9,681	9,023	146,885
CPP	60,709	6,260	4,490	7,423	5,994	4,243	5,947	14,712	23,476	12,663	12,950	158,867
CTF					89							89
LOF	635	6	221	193								1,055
MHD	2,704	881	807	881	881	881	815	881	881	147		9,757
NRF	88,395	7,188	12,979	9,712	9,954	7,792	7,268	23,927	17,067	13,150	14,742	212,174
PBF	7,083	604	327	180	455	262	294	580	581	734	950	12,050
SMC									1,782			1,782
TAN	34,811	2,191	3,262	4,674					1,433	3,611	2,831	52,813
TRA	39,741	1,864	1,726	3,292	2,274	1,949	4,151	3,604	3,715	3,199	3,090	68,603
TSF					4,331	3,191	2,101	5,214	2,682			17,519
WER	93	11	76	15								196
WMC	1,256	142	885	525	378	410	328	1,001	982	754	921	7,581
WRF	8	12		3		5						28
	338,428	27,511	30,558	33,446	36,495	25,396	28,955	80,302	73,823	51,433	52,568	778,916

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-7

SCHED. NO. INRPT035A

INEL LIQUID LANDFILL WASTE IN LITERS
RECORD TO DATE

AREA	1971 - 1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
ANL	2,855											2,855
ARA	502											502
CFA	109,721	129										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	145	379										524
	275,708	507	28,250	30,276	27,074	63,564						425,379

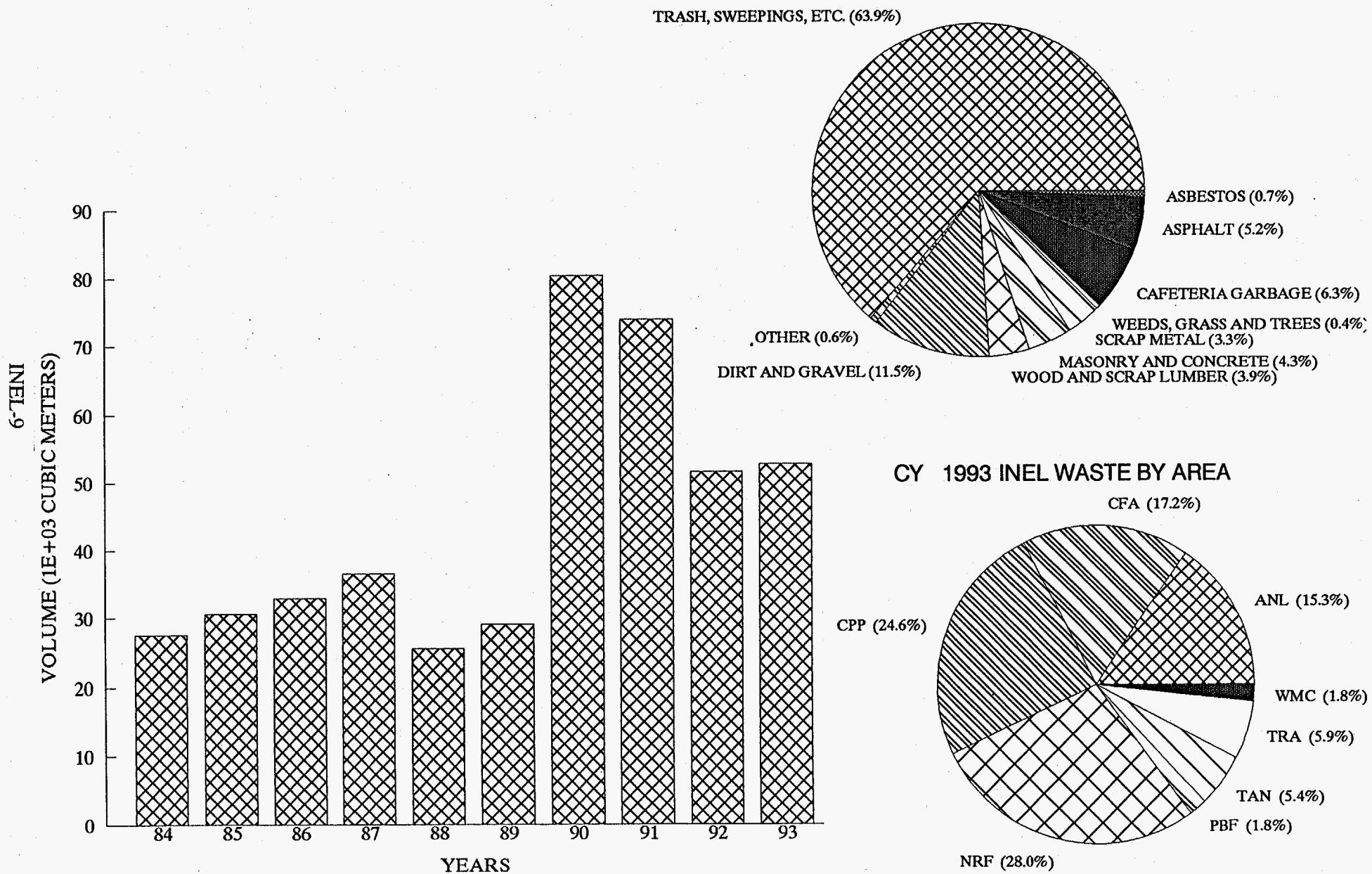
NOTE: INCLUDES ALL LANDFILL WASTE DENOTED BY LITERS ON THE INEL INDUSTRIAL WASTE SUMMARY REPORT

INEL-8

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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CY 1984 – 1993 INEL SANITARY LANDFILL WASTE

CY 1993 INEL WASTE BY TYPE



SCHED. NO. INRPT036

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

SUBSTANCE IDENTIFICATION	1971 - 1990	1991	1992	1993	TOTAL
(1-HYDROXYETHYLIDENE)BISPHOSPONIC		4,183	1,479	2,856	8,517
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT	516	686	953	712	2,868
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN		427	362	317	1,105
2-(2-BUTOXYETHOXO)-ETHANOL	2				2
ACETIC ACID	12				12
ACRYLIC POLYMER		1,991	1,434	1,017	4,442
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE		825	785	663	2,274
ALKYL DIMETHYL BENZYLAMMORTIUM CHLORIDE,				0	0
ALKYL METHYL BENZYL AMMONIUM CHLORIDE				0	0
ALUMINUM NITRATE	40	60	60	25	185
AMERPLEX 6255	182				182
AMIDES	1,596	13			1,609
AMINEMETHYLPROPANOL	36	20	15	7	78
AMMONIA	36				36
AROMATIC SOLVENTS	135	260	168	178	741
ARSENIC	1		1	0	2
AUTO CLEANERS	27,057				27,057
B-BROMO-B-NITROSTYRENE	17	38	30	35	119
BARIUM	775	0	175	215	1,166
BARIUM SULFATE	0	0	0	0	0
BENZOTRIAZOLE	738	157	224	212	1,330
BERYLLIUM	0				0
BETZ 109	35				35
BETZ 194	301				301
BETZ 20K	27,967	5,809	4,936	4,607	43,320
BETZ 22K				96	96
BETZ 406	130				130
BETZ 429	5,172				5,172
BETZ 45	149				149
BETZ 65	544				544
BETZ 736	9				9
BETZ A-9	68				68
BETZ DE 419	2,675				2,675
BETZ DE 453	113				113
BETZ DE 481	7,879				7,879
BETZ DIANODIC 194	828				828
BETZ FERROSPERSEHP	425				425
BETZ J-12	18				18
BETZ NEUTRMEEN	1,669				1,669
BIOCIDE D-2	9,641				9,641
BIS(TRICHLOROMETHYL)SULFONE	18	40	28		86
BLEACH	898				898
BORON	11,986				11,986
BROMINE	500				500
CADMUM	2		1	3	7

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 - 1990	1991	1992	1993	TOTAL
CALCIUM CHLORIDE	87	131	131	54	403
CALCIUM FLUORIDE	25	87	50	21	182
CALCIUM ION	25,073	955	691	253	26,972
CALCIUM NITRATE	132	34	26	19	211
CALCIUM PERCHLORATE	3	4	4	2	13
CALCIUM PHOSPHATE, TRIBASIC	19	28	28	12	87
CALCIUM SULFATE, ANHYDROUS	1	1	1	0	3
CARBOHYDRAZIDE				8	8
CARBON THIOCYANATES	280	3			283
CARBOXYALKYLATED POLYSACCHARIDE			1	1	2
CARBOXYLATED LIGNIN			0	0	1
CHLORIDE ION	9,213,379	1,112,969	722,131	827,334	11,875,813
CHLORINE	21				21
CHLOROCARBONS	2				2
CHLOROHYDROCARBONS	472				472
CHLOROSULFONES	1,252	11			1,263
CHROMATE ION	327				327
CHROMIUM	120		9	6	135
CITRIC ACID	91				91
CLOROHYDROCARBONS	0				0
CR+6	1,815				1,815
CYCLOHEXYLAMINE	508	963	10	21	1,502
DIANODIC 194	15,531				15,531
DIETHYLAMINOETHANOL	51	96			147
DIMETHYLAMINE	2,131				2,131
DIMETHYLFORMAMIDE(DMF)	17	4			21
DIMETHYLISOPROPANOLAMINE	36	20	16	10	82
DIPHOSPHONATE	13,249				13,249
DISPERSANT 403	13,026				13,026
DODECYLGUANIDINE HYDROCHLORIDE		510	471	398	1,379
DREWGARD	116		47	3	166
ETHYL ALCOHOL	19	193	203	145	560
ETHYLAMINE	19	2	2	1	24
ETHYLENEDIAMINE TETRAACETIC ACID	448	132	104	136	820
FLUORIDE ION	14,677	330	482	561	16,051
FORMIC ACID	5				5
HEAVY AROMATIC NAPHTHA	13	29	21		62
HEDP	11,189	4		4	11,197
HEXAVALENT CR	2,631				2,631
HPA	4,415				4,415
HYDRAZINE	24				24
HYDROCARBON-AMINES	768				768
HYDROCARBONS	2,804	26			2,830
HYDROGEN CHLORIDE	57	57	52		167
HYDROXYCARBONS	18,902	8		9	18,919

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 - 1990	1991	1992	1993	TOTAL
HYPHOCHLORITE	16,053				16,053
HYPHOCHLORITE ION	146,177	2,452	1,776	650	151,055
IMPURITY		22	19	17	58
ISOPROPANOL	29	29	26		83
ISOPROPYL ALCOHOL		170	157	133	460
JANITORIAL SUPPLIES	938				938
JANITORIAL SUPPLIES		7,446	8,762	9,875	26,083
KP40 COOLANT CNTRL	73				73
KWIK KLEEN	2,098				2,098
LAUNDRY PRODUCTS	90,782	5,701	3,516	1,153	101,153
LEAD	243				243
M-60 ALGAECIDE	4				4
M-80T ALGAECIDE	4				4
MERCURY	64				64
METHBISTHIOCYANATE	68				68
METHYLENE BIS(THIOCYANATE)	12	196	176	148	533
MOGUL PC 1222	8,612				8,612
MOLYBDATE SALT	0	0		0	1
MORPHOLINE	1,831	4	8	10	1,853
N-HYDROCARBON	9,989	35		44	10,068
N-METHYLPYRROLIDONE	18	91	75	54	238
N/A				0	0
NALCO 7312	178				178
NALCO 7323	185				185
NALCOOL 7351	840				840
NAPTHA	39				39
NITRATE ION	1,541,183	21,523	39,847	13,963	1,616,516
NITRIC OXIDE	435,966	110,358	765	73,306	620,396
NITRILOTRIACETIC ACID	119				119
NITRITE ION	3				3
NITRITE SALT	0	1		0	1
NITROGEN DIOXIDE	4,322,603	362,418	6,881	341,935	5,033,837
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANO	14	13		3	29
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL		16	21	13	51
OROCOL 194	68				68
OROCOL 734	70,312				70,312
OXYCARBONS	0				0
PHOSPHATE	29,644	9		8	29,662
PHOSPHATE ION	202,851	4,383	1,953	2,111	211,298
PHOSPHONATE	15,245	30			15,275
PHOTO LAB CHEMICAL	38,228		792	3,295	42,315
POLYACRYLATE	61,325	291	282	374	62,272
POLYACRYLATE ACID	0	0		0	0
POLYALKYLENE GLYCOL		2,211	2,042	1,725	5,978
POLYHYDROXYCARBON					48

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 - 1990	1991	1992	1993	TOTAL
POLYMETHACRYLATE	10,058	20			10,078
POLYNODIC 606	62,209				62,209
POLYNODIC 633	2,268				2,268
POLYPHOSPHATE	35,472	70			35,542
POTASSIUM HYDROXIDE	257	4,274	1,582	2,992	9,106
POTASSIUM ION	29,768	1		1	29,771
PYRIDINE	3				3
SALT OF EDTA	0	0	0	0	0
SELENIUM	0		2	1	2
SILICACARBONS	20				20
SILICATE ION	59				59
SILICONE EMULSION		33	31	27	91
SILVER	72			8	80
SKASOL	617				617
SKAZOL	3,164				3,164
SLIMICIDE 403	2,254				2,254
SLIMICIDE A-9	9,936				9,936
SLIMICIDE C-35	3,434				3,434
SLIMICIDE D-2	2,034				2,034
SLIMICIDE J-12	7,522				7,522
SLIMICIDE J-9	15,921				15,921
SOAP	54,172				54,172
SODIUM BISULFITE	545	90			635
SODIUM CARBONATE					23
SODIUM FLUORIDE					12
SODIUM HYDRATE SOLUTION			8	4	12
SODIUM HYDROXIDE	2,235	513	703	662	4,112
SODIUM HYPOCHLORITE					20
SODIUM ION	5,295,573	584,285	546,011	577,595	7,003,464
SODIUM LIGNOSULFONATE	257	92	104	136	589
SODIUM PERCHLORATE					1
SODIUM PHOSPHATE	84				85
SODIUM PHOSPHATE, TRIBASIC	596	207			803
SODIUM POLYACRYLATE	11	6			16
SODIUM SULFATE			1	1	2
SODIUM SULFITE			4	6	10
SODIUM TOLYTRIAZOLE		4,183	1,479	2,856	8,517
SODIUM TRIPOLYPHOSPHATE			1	2	3
SPRA-SAF	862				862
STODDARD SOLVENT		99	83	98	279
SULFATE ION	17,962,798	774,753	641,343	493,979	19,872,874
SULFITE ION	123,456	118,957	232	458	243,102
SULFONATE	11,547	20			11,567
SULFUR DIOXIDE	8,259				8,259
SULFURIC ACID		1			1

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

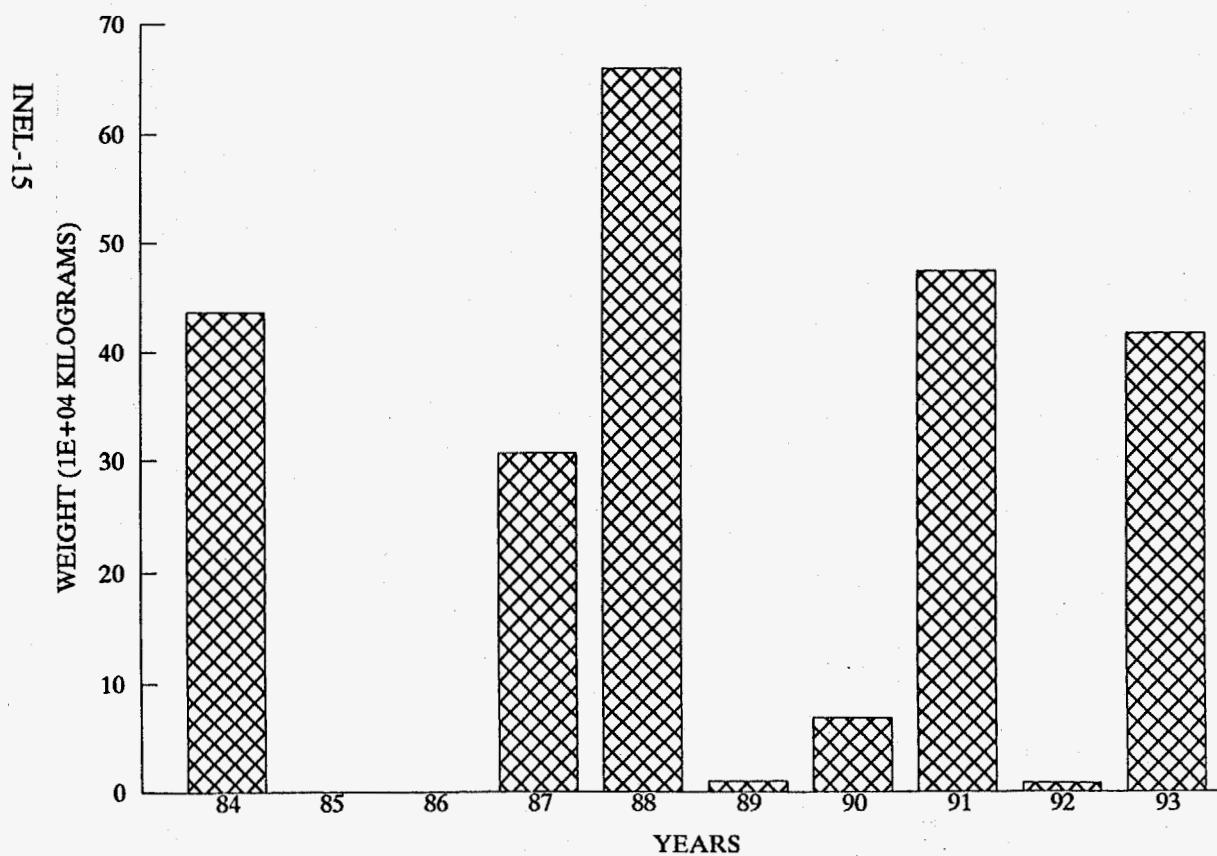
SUBSTANCE IDENTIFICATION	1971 - 1990	1991	1992	1993	TOTAL
TDS	27,090,417	489,676	267,095	268,678	28,115,866
TETRAPOTASSIUM PYROPHOSPHATE		10,456	3,696	7,140	21,293
THIOCARBONS	17				17
THIOHYDROCARBONS	48				48
THIOUREA	1				1
TOLYTRIAZOLE	2,767	1		1	2,769
TOTAL HARDNESS	7,664,950	206,560	148,906	229,081	8,249,496
TRIBUTYLtin OXIDE		165	157	133	455
TRIVALENT CR	1,955				1,955
ZINC ION	2,386				2,386
	74,849,752	3,842,967	2,413,668	2,872,675	83,979,061

INTEL-14

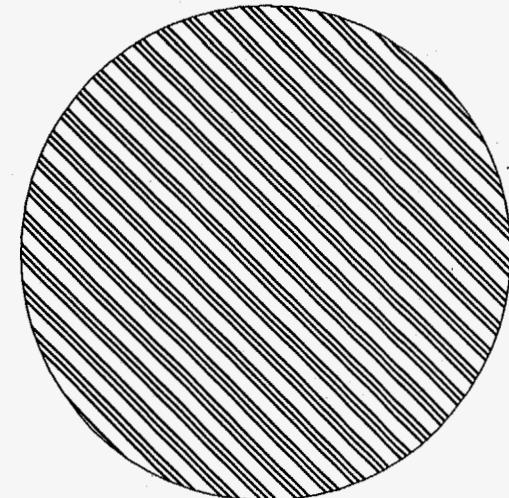
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

CY 1984 – 1993 INEL CHEMICAL USAGE (RELEASED AS AIRBORNE EFFLUENTS)

CY 1993 INEL CHEMICAL USAGE BY AREA

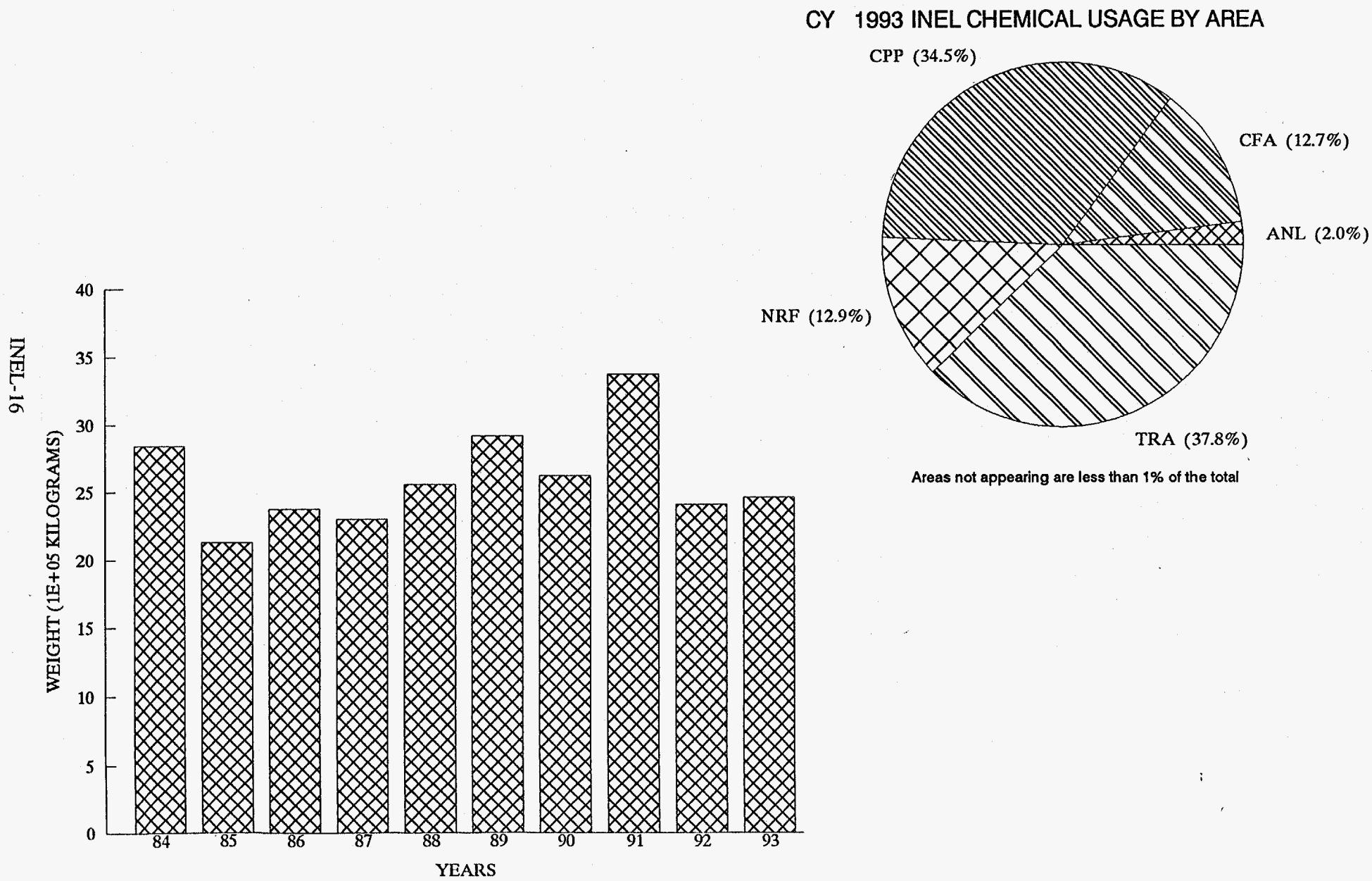


CPP (100.0%)



Areas not appearing are less than 1% of the total

CY 1984 – 1993 INEL CHEMICAL USAGE (RELEASED AS LIQUID EFFLUENTS)



SCHED. NO. INRPT031

INEL FUEL OIL & DIESEL SUMMARY

RECORD TO DATE

AREA	1971 - 1991				1992				1993			
	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)	DIESEL (LITERS)	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)	DIESEL (LITERS)	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)	DIESEL (LITERS)
ANL	36,146,527	271,384	39,244		1,882,426	9,995	2,481		2,333,143	12,817	3,075	
ARA	1,878,406	13,212	523	56,119								
CFA	26,928,189	262,957	22,262	1,882,392	402,229	3,221		137,084	587,945	4,934		232,461
CPP	98,758,747	1,356,381	5,504		713,476	11,871			2,657,427	44,210		
CTF	620,105	4,116	0	87,587								
LOF	1,508,115	10,490	3	270,690								
MHD	2,618,354	17,838	0		10,826	65						
NRF	92,591,175	2,435,653	155,127		2,360,965	35,275			2,561,152	39,257		
PBF	2,701,002	17,482	231	545,359	64,113	364		182	55,691	315		
SMC					1,113,536	6,146			2,085,377	10,703		
TAN	39,629,913	861,640	36,306	155,709								
TRA	47,513,788	1,446,788	182,189	33,810,776*		9,627		1,394,681*		7,165		1,038,097*
TSF	8,892,877	170,642	0	1,052,640	1,372,438	7,773			1,492,825	8,455		
WMC	443,055	2,820	0	28,493								
WRF	4,357,306	25,064	0	55,475	134,215	525			170,192	657		
Total	364,587,559	6,896,468	441,389	37,945,239	8,054,226	84,861	2,481	1,531,948	11,943,751	128,514	3,075	1,270,558

* TRA EMERGENCY GENERATOR

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

SCHED. NO. INRPT031

INEL FUEL OIL & DIESEL SUMMARY

RECORD TO DATE (CONTINUED)

AREA	TOTALS			
	FUEL OIL (LITERS)	SO2 (KG)	PART. (KG)	DIESEL (LITERS)
ANL	40,362,096	294,196	44,800	
ARA	1,878,406	13,212	523	56,119
CFA	27,918,362	271,113	22,262	2,251,938
CPP	102,129,649	1,412,462	5,504	
CTF	620,105	4,116	0	87,587
LOF	1,508,115	10,490	3	270,690
MHD	2,629,180	17,903	0	
NRF	97,513,293	2,510,186	155,127	
PBF	2,820,806	18,161	231	545,540
SMC	3,198,913	16,849		
TAN	39,629,913	861,640	36,306	155,709
TRA	47,513,788	1,463,580	182,189	36,243,555
TSF	11,758,141	186,869	0	1,052,640
WMC	443,055	2,820	0	28,493
WRF	4,661,713	26,246	0	55,475
	384,585,536	7,109,844	446,946	40,747,745

INEL-18

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

CY 1984 – 1993 INEL FUEL OIL & DIESEL USAGE

CY 1993 INEL FUEL OIL & DIESEL USAGE BY AREA
CFA (6.2%)

CPP (20.2%)

ANL (17.7%)

WRF (1.3%)

NRF (19.5%)

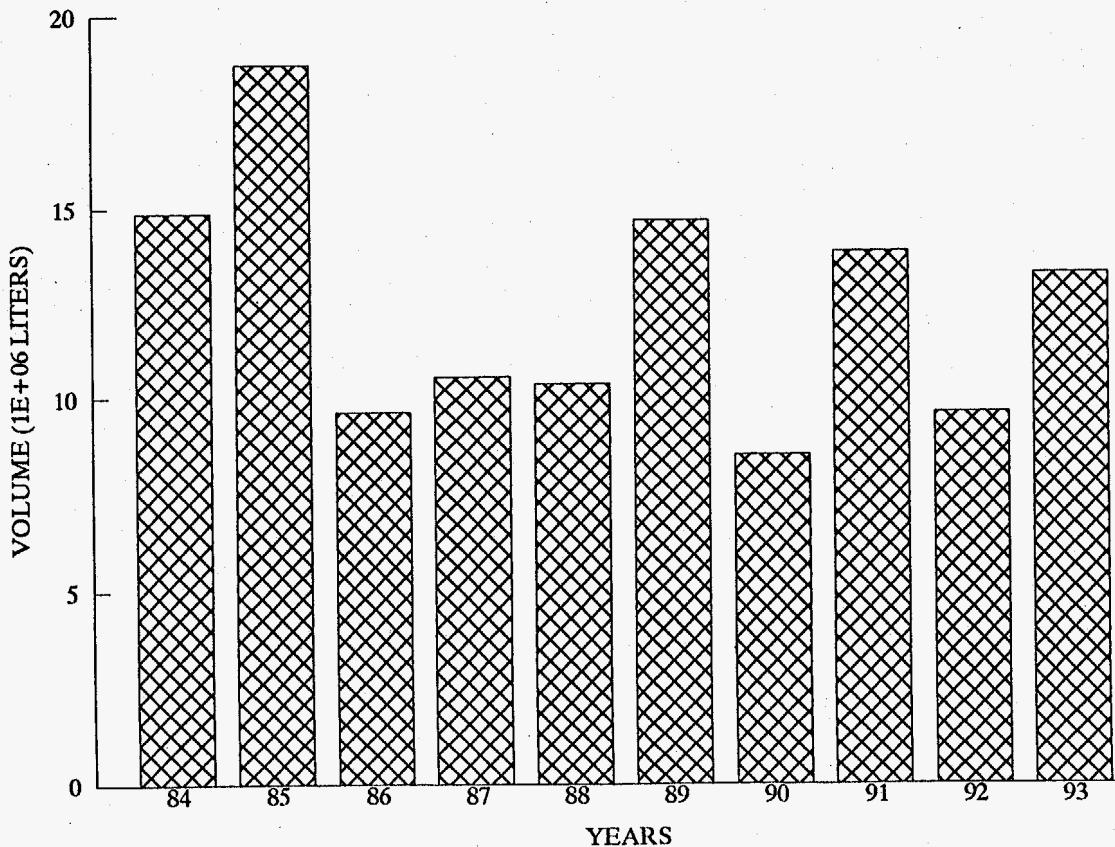
TSF (11.3%)

TRA (7.9%)

SMC (15.8%)

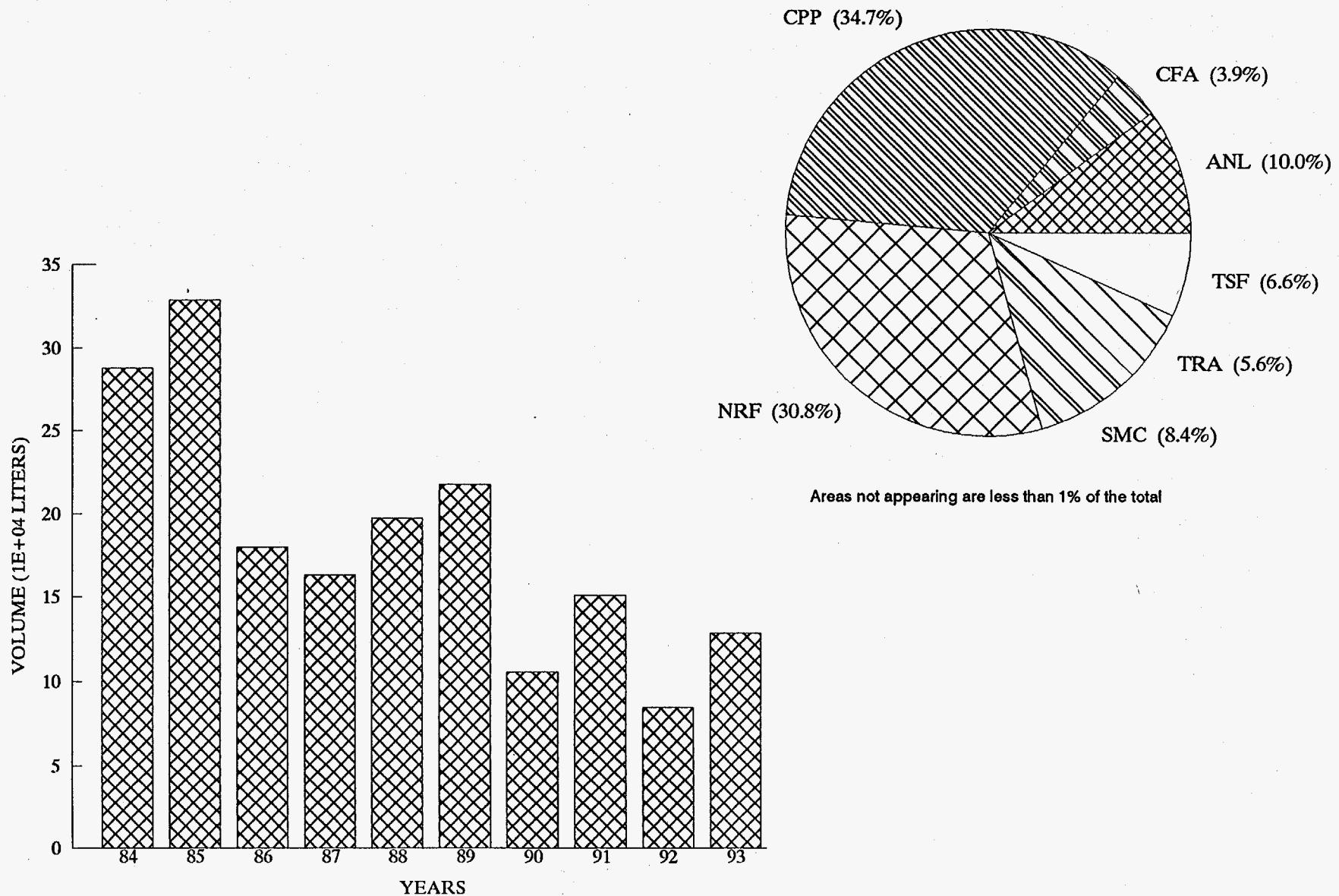
Areas not appearing are less than 1% of the total

INEL-19



CY 1984 – 1993 SULFUR DIOXIDE EMITTED FROM INEL FUEL OIL & DIESEL USAGE

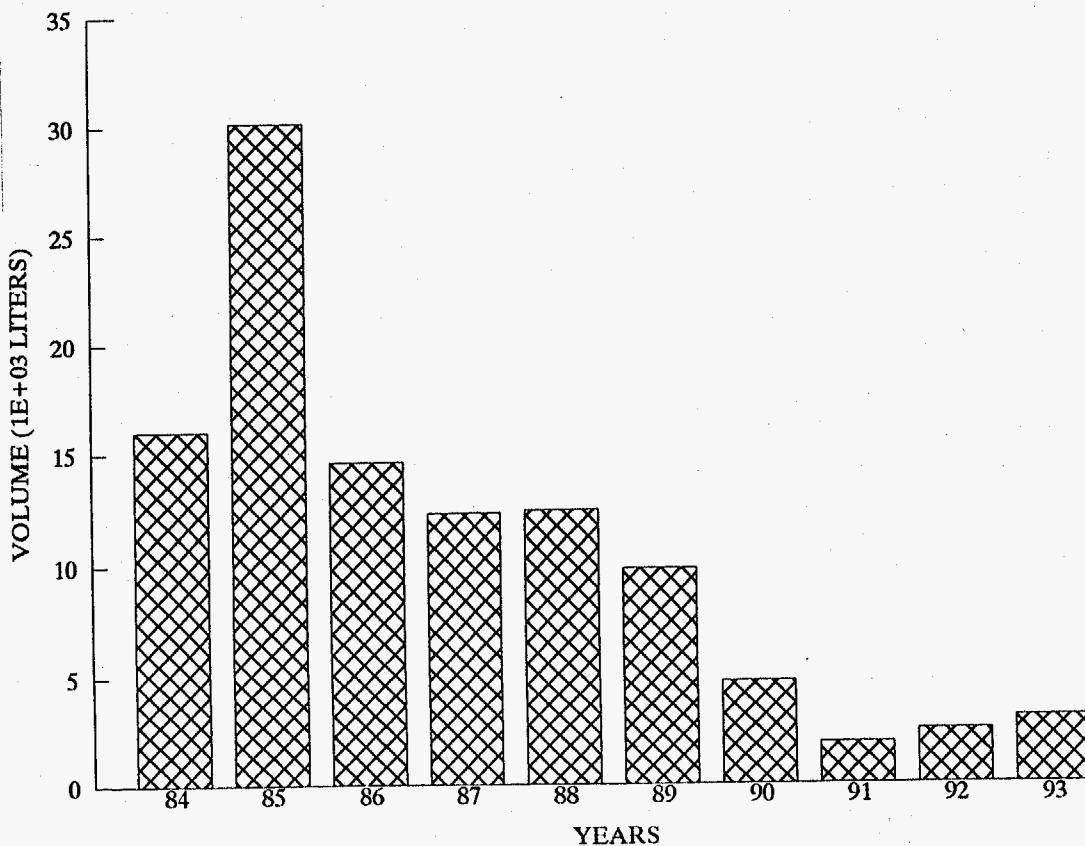
CY 1993 SULFUR DIOXIDE EMITTED BY AREA
FROM INEL FUEL OIL & DIESEL USAGE



CY 1984 – 1993 PARTICULATE EMITTED FROM INEL FUEL OIL & DIESEL USAGE

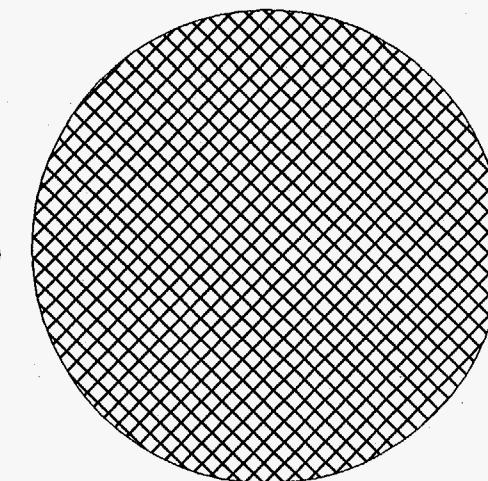
CY 1993 PARTICULATE EMITTED BY AREA
FROM INEL FUEL OIL & DIESEL USAGE

IN-21



ANL (100.0%)

Areas not appearing are less than 1% of the total



SCHED. NO INRPT032A

INEL WATER USAGE SUMMARY IN THOUSAND LITERS
RECORD TO DATE

AREA	1971 - 1990	1991	1992	1993	TOTAL
ANL	8,839,538	388,564	388,768	387,283	10,004,154
ARA	1,451,289				1,451,289
CFA	4,849,328	331,431	377,274	313,328	5,871,361
CPP	34,700,671	2,146,863	2,502,782	2,827,841	42,178,157
CTF	334,717	456,490	2,953		794,160
LOF	2,655,483				2,655,483
MHD	334,409	25,394	700		360,502
NRF	27,564,531	880,799	1,112,774	884,395	30,442,499
PBF	643,012	30,624	15,227	11,452	700,315
TAN	3,581,392				3,581,392
TRA	58,598,843	2,374,097	2,255,909	1,971,516	65,200,365
TSF	475,738	98,540	148,431	88,024	810,733
WMC	387,916	1,567	1,814	3,511	394,809
WRF	607,918	10,180	10,455	10,596	639,149
TOTAL	145,024,785	6,744,550	6,817,087	6,497,948	165,084,369

INEL-22

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL WATER PUMPED SUMMARY IN THOUSAND LITERS
RECORD TO DATE

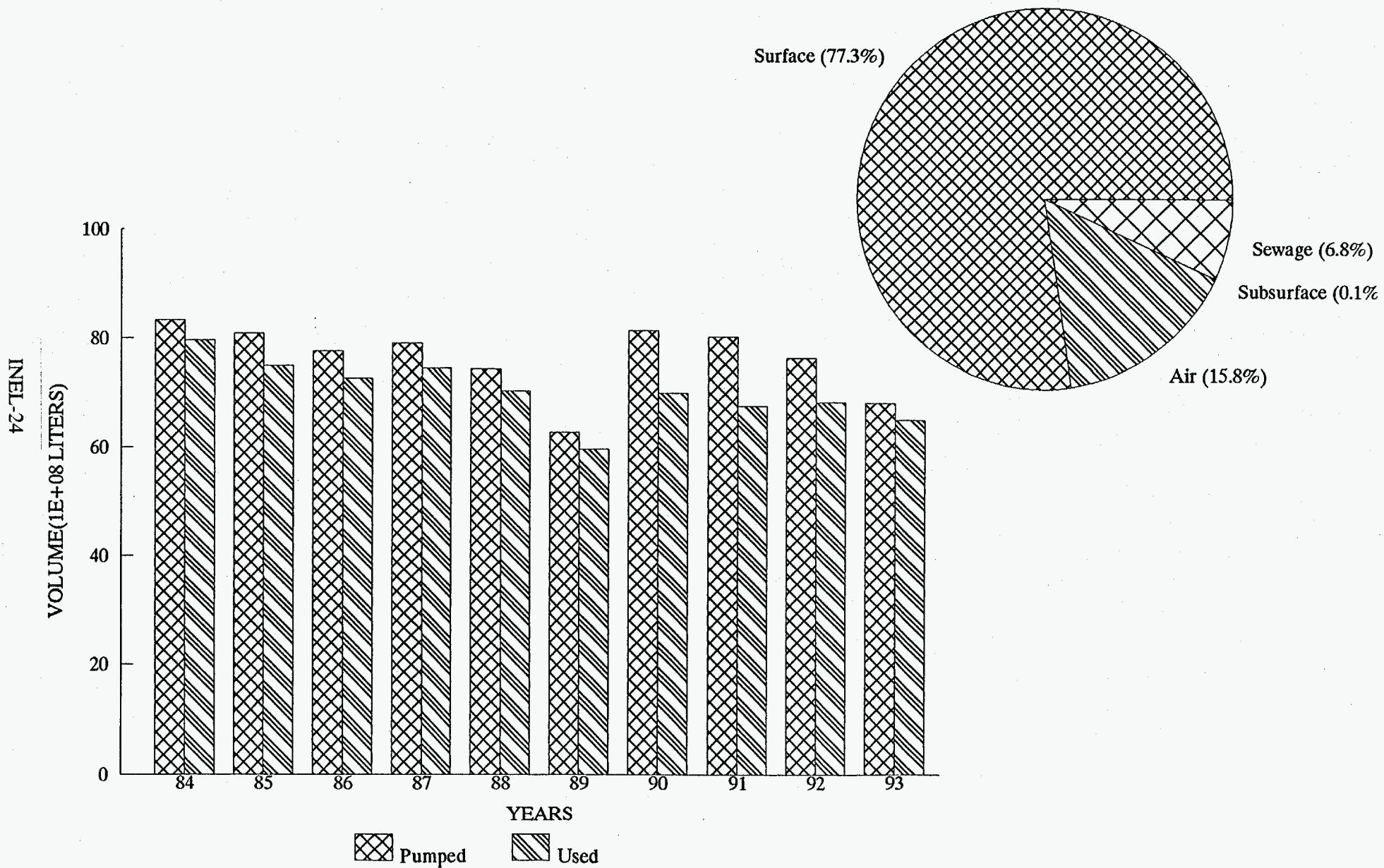
AREA	1971 - 1990	1991	1992	1993	TOTAL
ANL	10,327,421	415,705	405,378	475,408	11,623,913
ARA	1,961,500				1,961,500
CFA	8,428,174	528,018	521,041	633,451	10,110,684
CPP	37,691,304	3,023,399	3,069,581	2,708,351	46,492,635
CTF	548,863	455,736	2,965		1,007,564
LOF	3,326,689				3,326,689
MHD	344,434	25,395	700		370,530
NRF	33,340,442	1,008,714	1,110,924	883,217	36,343,298
PBF	974,102	39,194	18,129	13,801	1,045,226
TAN	4,434,485				4,434,485
TRA	66,308,239	2,379,449	2,224,786	1,962,878	72,875,351
TSF	486,866	108,634	94,453	98,575	788,529
WMC	455,555	11,001	157,161	19,411	643,128
WRF	617,456	9,958	12,795	8,870	649,079
TOTAL	169,245,530	8,005,204	7,617,914	6,803,963	191,672,610

INEL-23

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

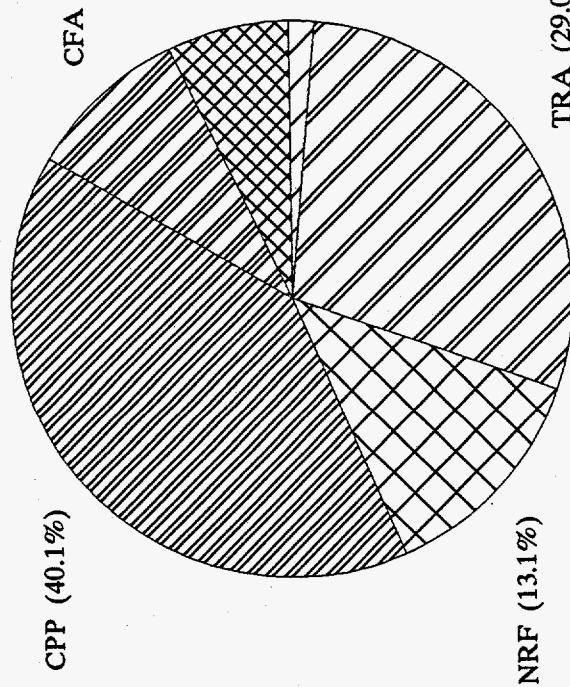
CY 1984 – 1993 INEL WATER USAGE

CY 1993 INEL WATER DISPOSED BY TYPE

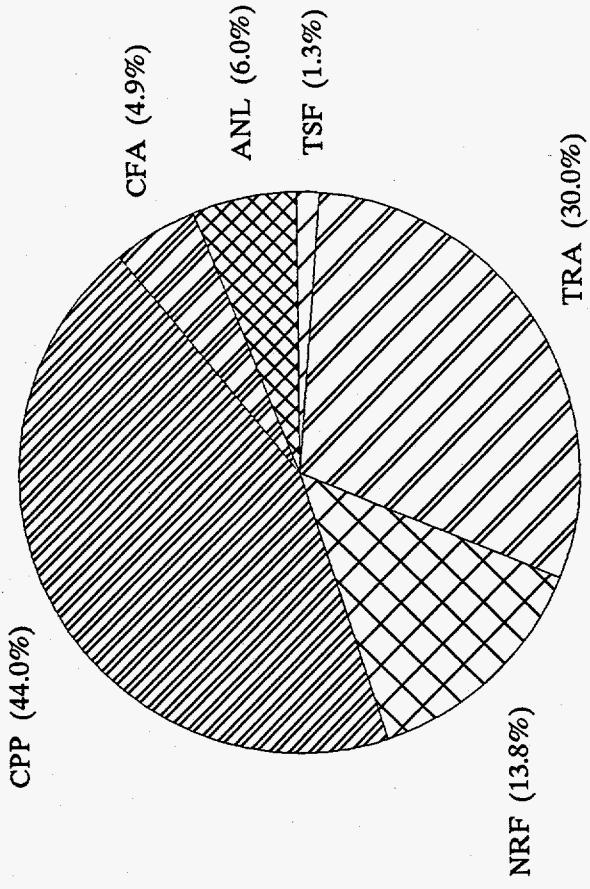


CY 1993 INEL WATER USAGE

CY 1993 INEL WATER PUMPED BY AREA



CY 1993 INEL WATER DISPOSED BY AREA



SCHED. NO. INRPT033

INEL COAL SUMMARY

RECORD TO DATE

1971 - 1990				1991				1992				1993			
Area	Tons Burned	SO2 (mg)	NOX (mg)												
CPP	52,051	72	434	3,291	5	24	12,464	21	109	11,635	10	96			
TOTAL	52,051	72	434	3,291	5	24	12,464	21	109	11,635	10	96			

INEL-26

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

INEL COAL SUMMARY

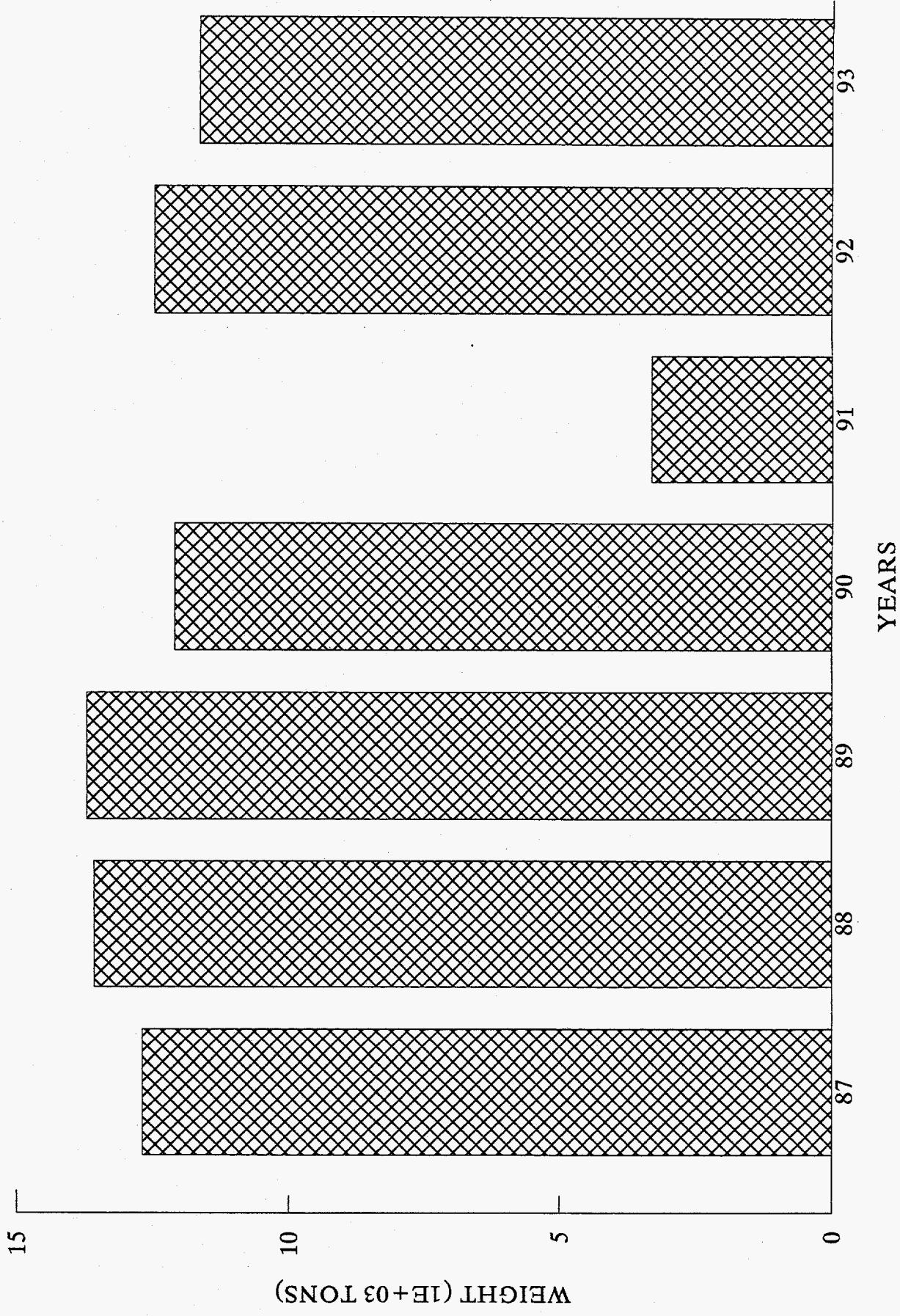
RECORD TO DATE (CONTINUED)

TOTALS

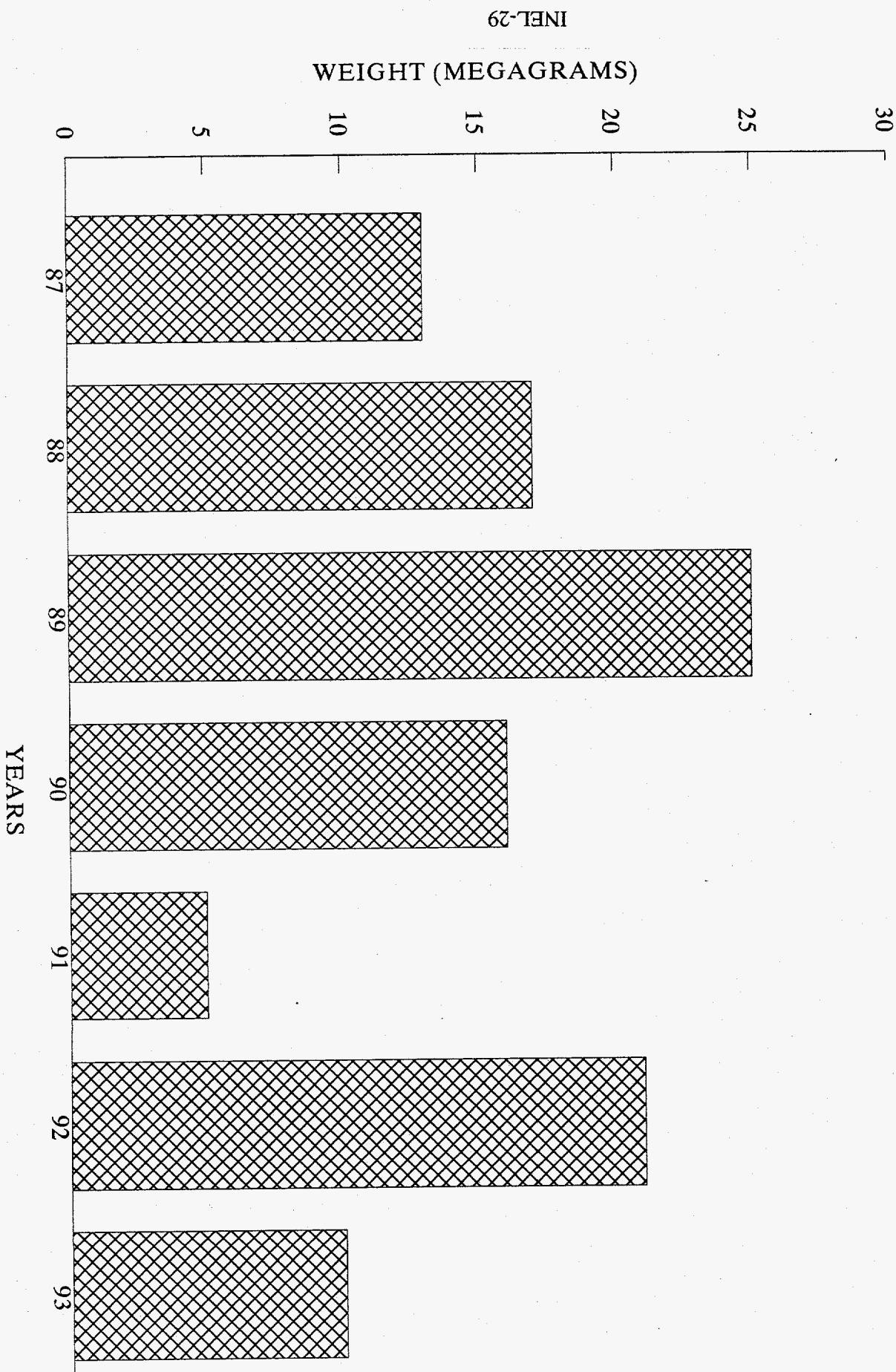
Area	Tons Burned	SO2 (mg)	NOX (mg)
CPP	79,441	108	663
	79,441	108	663

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

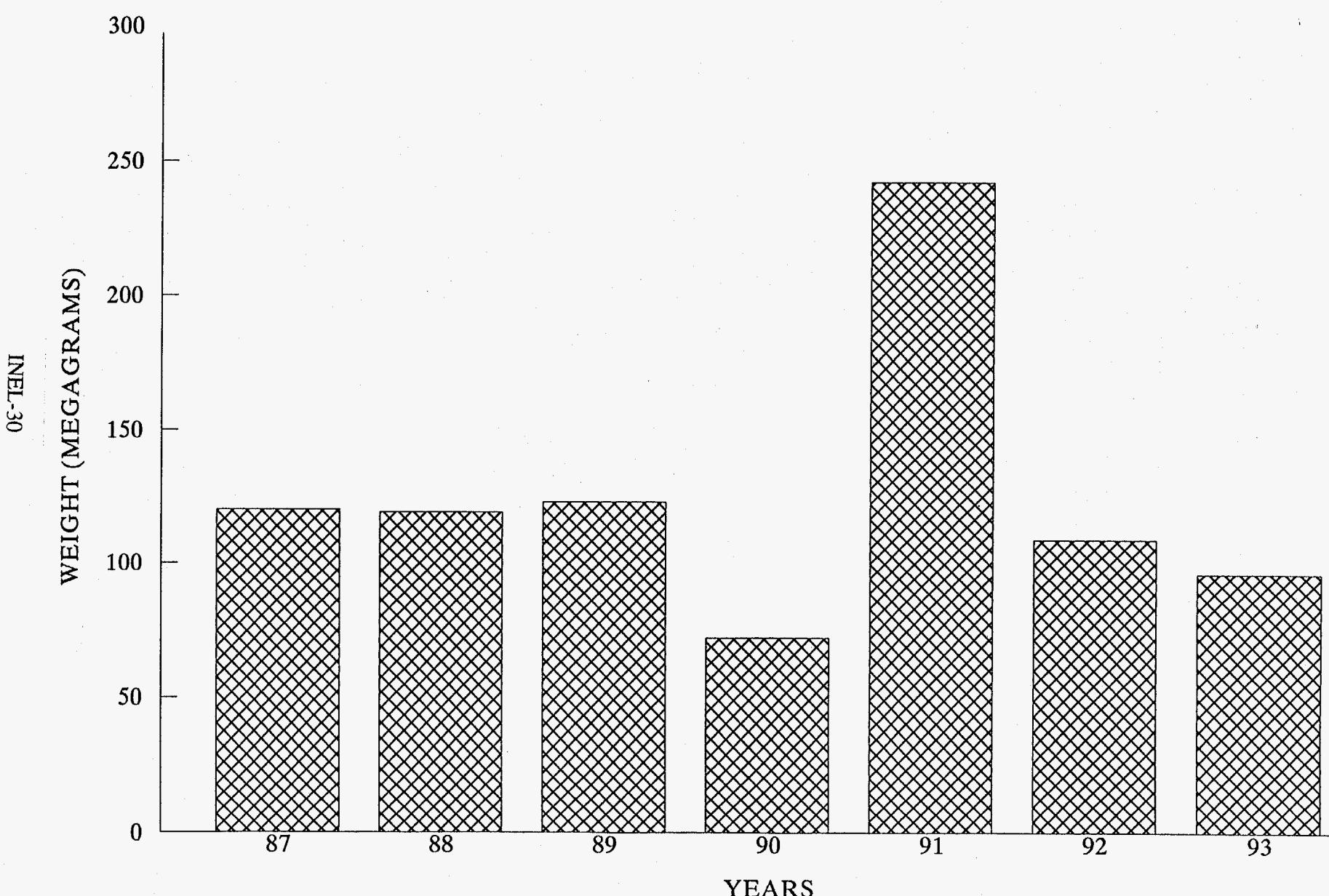
CY 1987 – 1993 INEL COAL USAGE



CY 1987 – 1993 SULFUR DIOXIDE EMITTED
FROM COAL USAGE



CY 1987 – 1993 NITRIC OXIDE EMITTED FROM INEL COAL USAGE



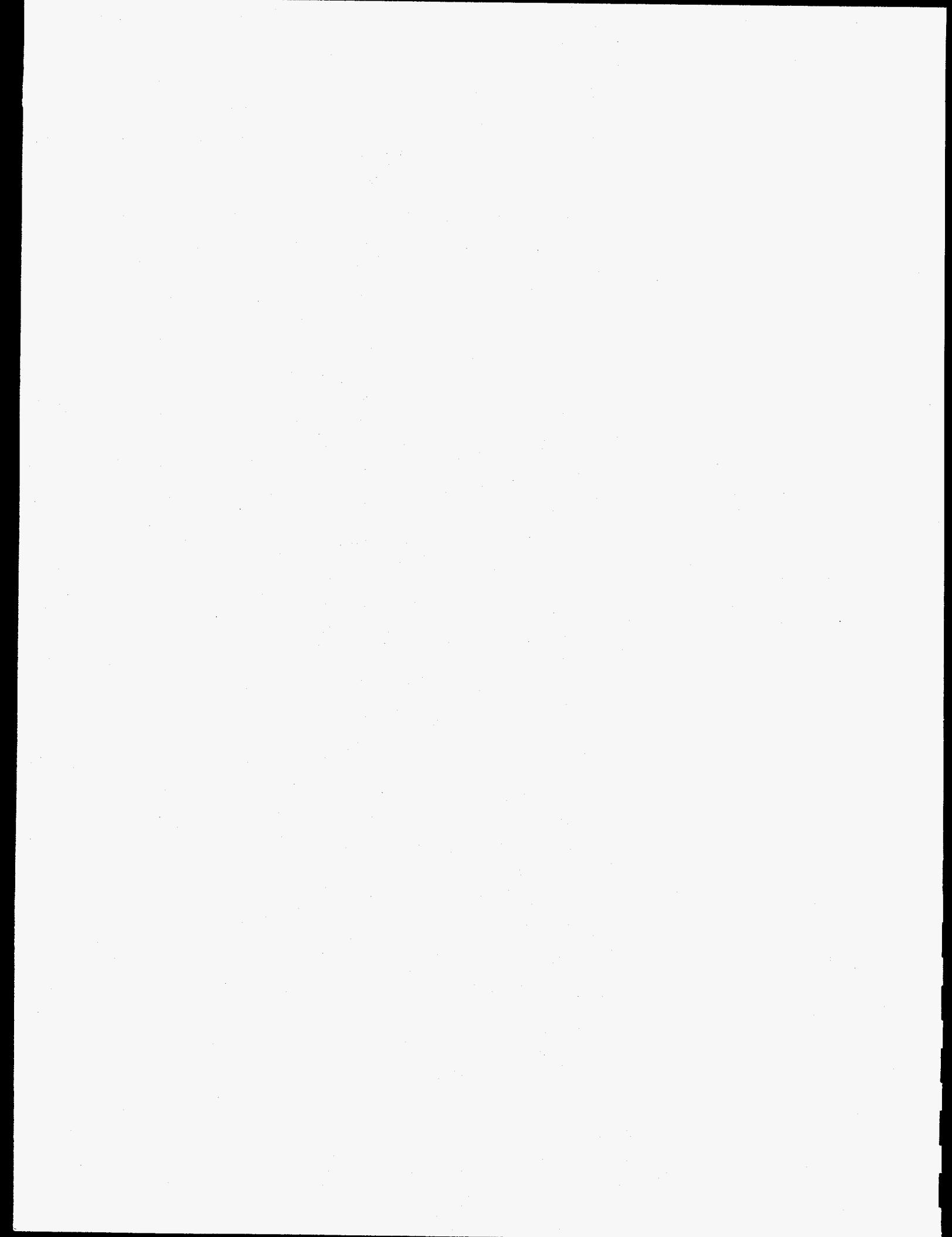
SCHED. NO. INRPT034

INEL WASTE OIL SUMMARY IN LITERS
RECORD TO DATE

AREA	1971 - 1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
ANL	25,451	2,290	2,425	1,230	1,052	3,218	2,173			2,271	568	40,679
ARA					208	341			1,344			1,893
BRX									454			454
CFA				27,028	40,598	74,818	35,412	30,586	50,660	25,165	21,444	305,713
CPP				3,785	3,785			6,871		3,028		17,470
IRC					416				927	189	189	1,722
NRF	369,005	49,256	10,115	50,403	70,976	77,650	129,499	38,157	25,268	11,545	22,042	853,914
PBF	4,997				492	416	208		17,091	189		23,394
PTI						208			1,136			1,344
TAN				3,123	5,072	13,325	1,420	17,413	14,195	757	757	56,062
TRA	5,678			4,921	7,238	3,312	12,870	16,448	6,057	10,221	5,678	72,422
WER					757	1,666	833	1,136	625	208		852
WMC						208	1,079	341	1,325	4,164		5,224
WRF												7,117
	405,131	51,546	12,540	91,247	131,713	174,991	183,266	111,423	121,504	53,367	51,531	1,388,258

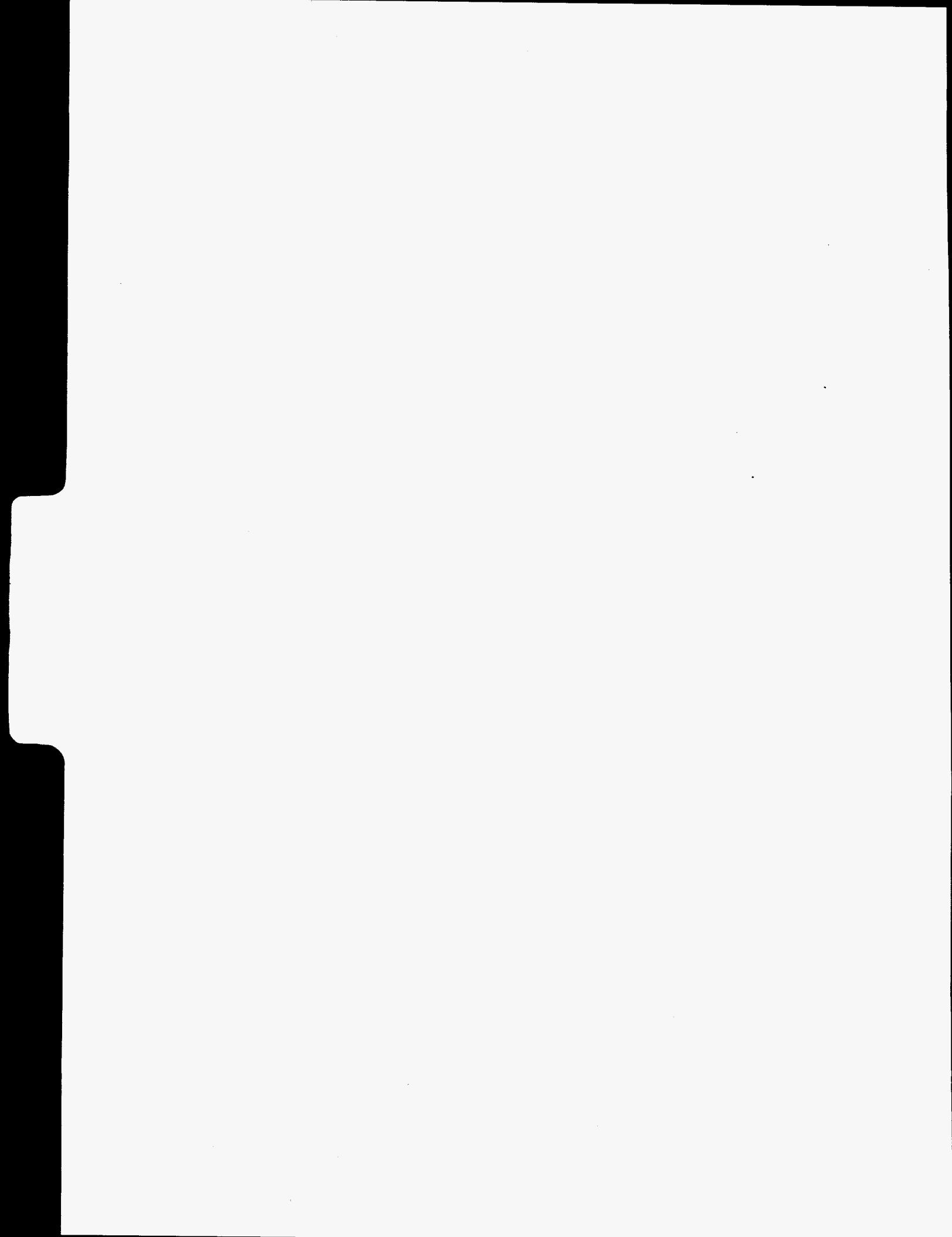
DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5

INEL-31



INEL 1993 YEAR-TO-DATE SUMMARIES

INEL Landfill Disposed Solid Waste Summary In Cubic Meters For January Through December, 1993	INEL-35
INEL Landfill Disposed Solid Waste Summary, Fourth Quarter and Year-To-Date 1993	INEL-36
Airborne And Liquid Industrial Waste Substances Summary In Kilograms For January Through December, 1993	INEL-37
INEL Year-To-Date Water Usage Summary For January Through December 1993	INEL-40
INEL Quarterly Fuel Oil and Diesel Summary For January Through December 1993	INEL-41
INEL Waste Oil Summary In Gallons January Through December 1993	INEL-42
INEL Year-To-Date Coal Usage Summary for January Through December 1993	INEL-43
Summary INEL Hazardous Waste Generated For January–December 1993	INEL-44
Summary INEL Mixed Waste Generated For January–December 1993	INEL-46



SCHED. NO. INRPT038

INEL LANDFILL DISPOSED SOLID WASTE SUMMARY IN CUBIC METERS
FOR JANUARY THROUGH DECEMBER, 1993

RPT 3-I

Type of Waste	ANL	CFA	CPP	NRF	PBF	TAN	TRA	WMC	TOTALS
ASBESTOS	38	98		178		35			349
ASPHALT	207	41	2,006	297		8	68	93	2,720
CAFETERIA GARBAGE	490	1,711		1,103		9			3,313
DIRT AND GRAVEL	326	408	3,759	1,437	0	80	27	1	6,038
MASONRY AND CONCRETE	6	210	625	1,218	6	166	27	8	2,266
SCRAP METAL	408	332	260	369	44	166	102	54	1,736
TRASH, SWEEPINGS, ETC.	5,894	5,761	5,947	9,544	874	2,112	2,706	734	33,571
WEEDS, GRASS AND TREES	8	111	31	20	2		39		211
WOOD AND SCRAP LUMBER	680	319	313	403	20	154	114	24	2,028
OTHER	4	34	8	174	3	100	8	6	337
TOTALS	8,061	9,023	12,950	14,742	950	2,831	3,090	921	52,568

INEL 35

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

24-JUN-94

INEL LANDFILL DISPOSED SOLID WASTE SUMMARY
FOURTH QUARTER AND YEAR-TO-DATE 1993

PRT 3-I

AREA	WASTE VOLUME (CM)												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ANL	473.3	467.2	770.7	646.5	543.2	467.2	701.9	849.5	813.5	1,011.9	750.8	565.0	8,060.8
CFA	639.6	603.3	727.9	673.2	578.0	755.4	1,084.6	829.2	748.5	847.6	848.3	687.8	9,023.4
CPP	523.0	393.8	526.0	953.1	687.4	541.7	781.8	1,208.5	2,181.8	1,112.9	2,033.8	2,006.7	12,950.4
NRF	975.6	987.9	1,219.5	2,527.8	1,438.6	1,063.6	1,258.5	1,161.8	1,132.0	1,222.6	1,047.9	706.1	14,741.9
PBF	78.8	64.2	161.3	81.4	65.8	77.6	55.1	48.9	98.3	97.1	47.4	73.8	949.6
TAN	211.0	161.3	315.8	255.0	232.1	332.6	246.2	221.0	197.6	238.2	236.6	183.5	2,830.9
TRA	195.7	220.2	261.1	351.7	201.1	260.3	358.6	247.7	315.0	228.6	253.1	196.5	3,089.7
WMC	37.1	47.4	131.5	71.1	46.6	89.1	72.6	102.1	86.4	109.3	68.8	58.9	921.0
TOTAL	3,134.1	2,945.2	4,113.9	5,559.8	3,792.8	3,587.5	4,559.3	4,668.6	5,573.2	4,868.2	5,286.8	4,478.3	52,567.8

INEL-36

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

SCHED. NO. INPR037

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
FOR JANUARY THROUGH DECEMBER, 1993

RPT 4-I

Substance	ANL	CFA	CPP	NRF	PBF	TRA	TSF	WRF	TOTAL
(1-HYDROXYETHYLIDENE)BISPHOSPONIC						2,856			2,856
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT	712								712
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN						317			317
ACRYLIC POLYMER						1,017			1,017
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE						663			663
ALKYL DIMETHYL BENZYLAMMORTIUM CHLORIDE,	0								0
ALKYL METHYL BENZYL AMMONIUM CHLORIDE	0								0
ALUMINUM NITRATE		25							25
AMINEMETHYLPROPANOL	7								7
AROMATIC SOLVENTS	178								178
ARSENIC			0						0
B-BROMO-B-NITROSTYRENE	35								35
BARIUM			215						215
BARIUM SULFATE		0							0
BENZOTRIAZOLE				212					212
BETZ 20K	4,607								4,607
BETZ 22K	96								96
CADMIUM			3						3
CALCIUM CHLORIDE		54							54
CALCIUM FLUORIDE		21							21
CALCIUM ION				253					253
CALCIUM NITRATE		19							19
CALCIUM PERCHLORATE		2							2
CALCIUM PHOSPHATE,TRIBASIC		12							12
CALCIUM SULFATE, ANHYDROUS		0							0
CARBOHYDRAZIDE	8								8
CARBOXYALKYLATED POLYSACCHARIDE	1								1
CARBOXYLATED LIGNIN	0								0
CHLORIDE ION		14,724	710,333	98,910	1	476	2,725	165	827,334
CHROMIUM			6						6
CYCLOHEXYLAMINE	11						9	1	21
DIMETHYLISOPROPANOLAMINE	10								10
DODECYLGUANIDINE HYDROCHLORIDE						398			398
DREWGARD		3							3
ETHYL ALCOHOL		12				133			145
ETHYLAMINE	1								1
ETHYLENEDIAMINE TETRAACETIC ACID		56			1		68	11	136
FLUORIDE ION			561						561
HEDP						4			4
HYDROXYCARBONS						9			9
HYPOCHLORITE ION				650					650
IMPURITY							17		17
ISOPROPYL ALCOHOL	0						133		133
JANITORIAL SUPPLIES	3,495	4,233			138		1,791	218	9,875
LAUNDRY PRODUCTS		1,153							1,153

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

INTEL-37

SCHED. NO. INPRT037

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
FOR JANUARY THROUGH DECEMBER, 1993

RPT 4-I

Substance	ANL	CFA	CPP	NRF	PBF	TRA	TSF	WRF	TOTAL
METHYLENE BIS(THIOCYANATE)	16				0	133			148
MOLYBDATE SALT									0
MORPHOLINE							9	1	10
N-HYDROCARBON					44				44
N-METHYL PYRROLIDONE	54								54
N/A	0								0
NITRATE ION		3	13,960						13,963
NITRIC OXIDE			73,306						73,306
NITRITE SALT					0				0
NITROGEN DIOXIDE			341,935						341,935
NONYLPHENOXY POLY(ETHYLENE OXY)ETHANO	3								3
NONYLPHENOXY POLY(ETHYLENE OXY)ETHANOL	13								13
PHOSPHATE					8				8
PHOSPHATE ION				873		1,238			2,111
PHOTO LAB CHEMICAL	3,295								3,295
POLYACRYLATE	367				8				374
POLYACRYLATE ACID					0				0
POLYALKYLENE GLYCOL	0					1,725			1,725
POTASSIUM HYDROXIDE		56			1	2,856	68	11	2,992
POTASSIUM ION					1				1
SALT OF EDTA	0				0				0
SELENIUM			1				27		27
SILICONE EMULSION			8						8
SILVER		23							23
SODIUM CARBONATE									12
SODIUM FLUORIDE			12						4
SODIUM HYDRATE SOLUTION	4								662
SODIUM HYDROXIDE				636	0	27			20
SODIUM HYPOCHLORITE	20								577,595
SODIUM ION	11,993	9,708	423,537	65,715	37	64,447	1,942	217	136
SODIUM LIGNOSULFONATE		56			1		68	11	1
SODIUM PERCHLORATE			1						1
SODIUM PHOSPHATE			1						1
SODIUM SULFATE	1								1
SODIUM SULFITE	6								6
SODIUM TOLYTRIAZOLE						2,856			2,856
SODIUM TRIPOLYPHOSPHATE	2								2
STODDARD SOLVENT	98								98
SULFATE ION	38,218	0	69,362	159,229	7	226,920	121	122	493,979
SULFITE ION	3	239			2		193	21	458
TDS						268,678			268,678
TETRAPOTASSIUM PYROPHOSPHATE							7,140		7,140
TOLYTRIAZOLE					1				1
TOTAL HARDNESS						229,081			229,081
TRIBUTYLTIN OXIDE						133			133

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

INEL-38

SCHED. NO. INPR037

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
FOR JANUARY THROUGH DECEMBER, 1993

RPT 4-1

Substance	ANL	CFA	CPP	NRF	PBF	TRA	TSF	WRF	TOTAL
	63,275	30,390	1,633,228	326,478		264	811,268	6,993	779 2,872,675
Total									

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

24-JUN-94

INEL YEAR-TO-DATE WATER USAGE SUMMARY
FOR JANUARY THROUGH DECEMBER 1993

RPT 2-I

(ALL VOLUMES = NEAREST THOUSAND LITERS)

AREA OF ORIGIN	YEARLY VOLUME PUMPED	YEARLY VOLUME DISPOSED				ACCOUNTABILITY (%)	
		AIR	SURFACE	SUBSURFACE	SEWAGE		
ANL	475,408	227,889	117,635	345	41,414	387,283	81.5
CFA	633,451		126,352	3,036	183,940	313,328	49.5
CPP	2,708,351		2,778,105		49,736	2,827,841	104.4
NRF	883,217	191,209	647,871		45,315	884,395	100.1
PBF	13,801		3,126		8,326	11,452	83.0
TRA	1,962,878	607,962	1,312,198	0	51,357	1,971,516	100.4
TSF	98,575		31,395		56,630	88,024	89.3
WMC	19,411				3,511	3,511	18.1
WRF	8,870		6,627		3,969	10,596	119.5
GRAND TOTAL	6,803,963	1,027,060	5,023,309	3,381	444,198	6,497,948	95.5

INEL 40

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

24-JUN-94

INEL QUARTERLY FUEL OIL AND DIESEL SUMMARY
FOR JANUARY THROUGH DECEMBER 1993

RPT 5-I

AREA OF ORIGIN	FUEL OIL IN LITERS					KILOGRAMS DISCHARGED		
	TYPE 2	TYPE 5	TYPE 6	KEROSENE	DIESEL	SO2	NOX	PARTICULATES
ANL	2,333,143					12,817		3,075
CFA		587,945			232,461	4,934		
CPP		2,657,427				44,210		
NRF			2,561,152			39,257		
PBF		55,691				315		
SMC		2,085,377				10,703		
TRA					1,038,097	7,165		
TSF		1,492,825				8,455		
WRF		170,192				657		
GRAND TOTAL:	9,382,598	2,561,152			1,270,558	128,514		3,075

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

25-JUN-94

INEL WASTE OIL SUMMARY IN GALLONS
JANUARY THROUGH DECEMBER 1993

RPT 9-I

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ANL			150.0										150.0
CFA	1,300.0		1,985.0			1,600.0				780.0			5,665.0
IRC										50.0			50.0
NRF					2,123.0				3,700.0				5,823.0
TAN	200.0												200.0
TRA	600.0		600.0			300.0							1,500.0
WER			225.0										225.0
TOTAL	2,100.0		2,960.0			4,023.0				4,530.0			13,613.0

INEL-42

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 NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM

17-AUG-94

INEL YEAR-TO-DATE COAL USAGE SUMMARY
FOR JANUARY THROUGH DECEMBER 1993

RPT 5-I

AREA	COAL BURNED (TONS)	MG. DISCHARGED	
		SO2	NO2
CPP	11,635	10	96
GRAND TOTALS:	11,635	10	96

INEL-43

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

25-JUN-94

SUMMARY INEL
HAZARDOUS WASTE GENERATED
FOR January - December 1993

RPT 10-1

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
ANL													
Gross Volumes:	2.70E+00	3.01E+00	2.08E-01	3.14E-01	2.08E-01	2.08E-01	1.20E+00	3.52E+00	2.11E+00	2.08E-01	5.83E-01		1.43E+01
Gross Weights:	2.35E+06	1.32E+06	1.93E+05	2.88E+05	2.47E+05	2.45E+05	1.03E+06	4.17E+06	2.10E+06	2.54E+05	5.30E+05		1.27E+07
CFA													
Gross Volumes:	9.46E-02	8.90E-01	2.27E-01	1.32E-01	1.14E-01	7.76E-01	7.19E-01	7.57E-02	1.02E+00		5.68E-01	1.74E-01	4.79E+00
Gross Weights:	7.89E+04	9.28E+05	2.26E+05	2.51E+04	4.81E+04	6.10E+05	4.93E+05	1.81E+04	1.28E+06		3.43E+05	6.51E+05	4.70E+06
CPP													
Gross Volumes:		1.58E+01						1.60E+01		5.62E+00			3.74E+01
Gross Weights:		9.63E+06						1.31E+07		6.13E+06			2.89E+07
IRC													
Gross Volumes:		3.16E+00							3.33E-01		2.97E+00		6.47E+00
Gross Weights:		1.66E+06							2.15E+05		1.60E+06		3.47E+06
NRF													
Gross Volumes:		2.08E+00	1.75E+00		1.06E+00	1.99E+00		3.66E+00		3.41E-01	3.07E+00	1.31E+00	1.53E+01
Gross Weights:		1.36E+06	1.08E+06		6.84E+05	1.15E+06		2.39E+06		2.13E+05	2.62E+06	7.57E+05	1.03E+07
PBF													
Gross Volumes:													7.57E-02
Gross Weights:													1.61E+05
PTI													
Gross Volumes:						2.02E+00				4.24E+00			6.26E+00
Gross Weights:						3.06E+05				6.80E+05			9.87E+05
SMC													
Gross Volumes:		1.67E+00						1.06E+00					2.73E+00
Gross Weights:		5.76E+05						3.44E+05					9.19E+05
TAN													
Gross Volumes:		3.03E-02	3.03E-02								2.08E-01		2.69E-01
Gross Weights:		9.07E+03	1.22E+04								1.14E+05		1.36E+05
TRA													
Gross Volumes:		7.57E-02		2.08E-01	4.16E-01		2.08E-01						9.08E-01
Gross Weights:		2.36E+04		1.16E+05	2.88E+05		1.76E+05						6.03E+05
WCB													
Gross Volumes:		5.68E-02				1.88E+00					5.68E-02		1.99E+00
Gross Weights:		4.76E+04				7.04E+05					4.63E+04		7.98E+05
WDF													
Gross Volumes:	8.71E-02												8.71E-02
Gross Weights:	2.77E+04												2.77E+04
WER													
Gross Volumes:		3.03E-02						3.03E-02					6.06E-02
Gross Weights:		5.44E+03						9.53E+03					1.50E+04

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

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

25-JUN-94

SUMMARY INEL
HAZARDOUS WASTE GENERATED
FOR January - December 1993

RPT 10-I

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
TOTAL VOLUMES:	2.88E+00	2.67E+01	2.21E+00	4.77E-01	1.62E+00	5.41E+00	3.80E+00	2.45E+01	3.47E+00	1.04E+01	7.46E+00	1.56E+00	9.06E+01
TOTAL WEIGHTS:	2.46E+06	1.55E+07	1.51E+06	3.25E+05	1.10E+06	2.60E+06	2.23E+06	2.02E+07	3.59E+06	7.29E+06	5.26E+06	1.57E+06	6.37E+07

INEL-45

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

Page: 1
Sched. No. INRPT014A

25-JUN-94

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

SUMMARY INEL
MIXED WASTE GENERATED
FOR January - December 1993

RPT 11-I

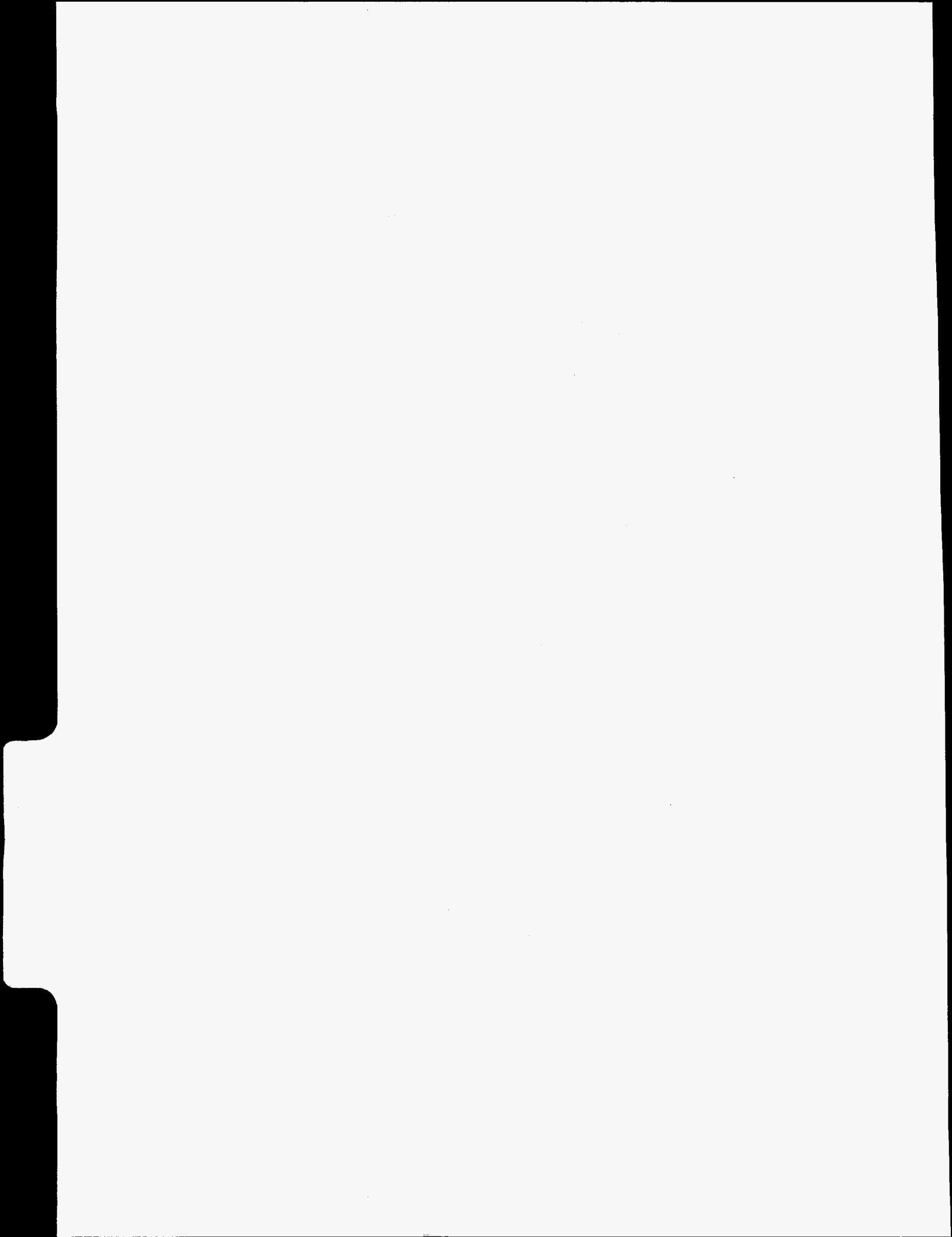
AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
ANL													
Gross Volumes:					3.03E-02								3.03E-02
Gross Weights:					6.80E+03								6.80E+03
CFA													
Gross Volumes:				6.25E-01	2.46E-01			1.14E-01					9.84E-01
Gross Weights:				3.51E+05	1.56E+05			4.85E+04					5.55E+05
IRC													
Gross Volumes:										1.14E-01			1.14E-01
Gross Weights:										7.76E+04			7.76E+04
NRF													
Gross Volumes:					2.08E-01								2.08E-01
Gross Weights:					4.04E+04								4.04E+04
PBF													
Gross Volumes:	4.16E-01	4.16E-01											8.33E-01
Gross Weights:	1.54E+05	1.13E+05											2.67E+05
TAN													
Gross Volumes:					1.53E+00				3.79E-02				1.57E+00
Gross Weights:					3.86E+06				9.07E+03				3.86E+06
TRA													
Gross Volumes:								8.55E-01					8.86E-01
Gross Weights:								3.70E+06					3.71E+06
WER													
Gross Volumes:								2.69E-01					4.00E+00
Gross Weights:								7.94E+04					1.46E+06
TOTAL VOLUMES:	4.16E-01	4.16E-01	8.33E-01	1.81E+00				1.24E+00		3.88E+00	3.03E-02		8.62E+00
TOTAL WEIGHTS:	1.54E+05	1.13E+05	3.91E+05	4.02E+06				3.83E+06		1.47E+06	7.26E+03		9.98E+06

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

INEL-46

ARGONNE NATIONAL LABORATORY-WEST, 1993 DETAIL DATA

Report 114—ANL Airborne Disposed Substances Summary	ANL-3
Report 114—ANL Airborne Release Point And Disposed Substances Summary	ANL-4
Report 115—ANL Liquid Disposed Substances Summary	ANL-6
Report 115—ANL Release Point And Liquid Disposed Substances Summary	ANL-9
Report 116—ANL Landfill Solid Disposed Waste Summary	ANL-14
Report 117—ANL Water Usage And Disposal Summary	ANL-15
Report 118—ANL Fuel Oil Usage And Stack Effluents Summary	ANL-19
Report 1110—Hazardous Waste Generated By ANL For January–December 1993	ANL-20
Report 1111—Mixed Waste Generated By ANL For January–December 1993	ANL-21



PAGE: 1
SCHED. NO. INRPT007A

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

ANL AIRBORNE DISPOSED SUBSTANCES SUMMARY

RPT 114-I
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT WEIGHT (KGS)							1	5	14	1	3	2	25
AROMATIC SOLVENTS WEIGHT (KGS)							0	1	4	0	1	0	6
B-BROMO-B-NITROSTYRENE WEIGHT (KGS)							0	0	1	0	0	0	1
BETZ 20K WEIGHT (KGS)	4	0	5			5	2	29	105	4	28	2	186
BETZ 22K WEIGHT (KGS)						0				0	1	0	2
METHYLENE BIS(THIOLYANATE) WEIGHT (KGS)							0	0	0	0	0	0	1
N-METHYLPYRROLIDONE WEIGHT (KGS)							0	0	1	0	0	0	2
NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL WEIGHT (KGS)							0	0	0	0	0	0	1
POLYACRYLATE WEIGHT (KGS)	0	0	1				0	2	8				11
STODDARD SOLVENT WEIGHT (KGS)							0	0	2	0	0	0	3

ANL-3

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

PAGE: 1
SCHED. NO. INRPT007

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

ANL AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 114-I
ANL

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
COOLING TOWER 757 VOLUME (1000 CM)	0	0	0			0	0	0	0	0	26	0	28
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT CONC. (CC/CM) WEIGHT (KGS)						9.93 1	12.60 5	40.50 14	22.38 1	0.13 3	59.76 2	0.91 25	
AROMATIC SOLVENTS CONC. (CC/CM) WEIGHT (KGS)						1.05 0	1.55 1	12.47 4	5.19 0	0.02 1	9.26 0	0.21 6	
B-BROMO-B-NITROSTYRENE CONC. (CC/CM) WEIGHT (KGS)						0.21 0	0.32 0	2.55 1	1.06 0	0.00 0	1.89 0	0.04 1	
BETZ 20K CONC. (CC/CM) WEIGHT (KGS)	13.65 4	9.37 0	13.32 5			15.97 5	17.89 2	80.46 29	311.62 105	89.43 4	1.09 28	79.18 2	6.65 186
BETZ 22K CONC. (CC/CM) WEIGHT (KGS)						1.20 0				10.48 0	0.03 1	11.99 0	0.07 2
METHYLENE BIS(THIOCYANATE) CONC. (CC/CM) WEIGHT (KGS)						0.10 0	0.14 0	1.13 0	0.47 0	0.00 0	0.84 0	0.02 1	
N-METHYL PYRROLIDONE CONC. (CC/CM) WEIGHT (KGS)						0.33 0	0.49 0	3.97 1	1.65 0	0.01 0	2.95 0	0.07 2	
NONYLPHENOXY POLY(ETHYLENE OXY)ETHANOL CONC. (CC/CM) WEIGHT (KGS)						0.10 0	0.14 0	1.13 0	0.47 0	0.00 0	0.84 0	0.02 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

ANL-4

PAGE: 2
SCHED. NO. INRPT007

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

ANL AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 114-1
ANL

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
COOLING TOWER 757													
POLYACRYLATE													
CONC. (CC/CM)	1.09	0.79	2.55				1.40	6.28	22.36				0.41
WEIGHT (KGS)	0	0	1				0	2	8				11
STODDARD SOLVENT													
CONC. (CC/CM)							0.60	0.88	7.09	2.95	0.01	5.26	0.12
WEIGHT (KGS)							0	0	2	0	0	0	3

ANL-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

PAGE: 1
SCHED. NO. INRPT008A

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

ANL LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT													
WEIGHT (KGS)	42	42	63	13	25	84	107	100	49	41	60	61	687
ALKYL DIMETHYL BENZYLAMMORTIUM CHLORIDE,							0	0	0	0	0	0	0
WEIGHT (KGS)													
ALKYL METHYL BENZYL AMMONIUM CHLORIDE							0	0	0	0	0	0	0
WEIGHT (KGS)													
AMINEMETHYLPROPANOL	1	0	2		3	1							7
WEIGHT (KGS)													
AROMATIC SOLVENTS													
WEIGHT (KGS)	22	22	11	3	13	33	11	12	15	9	9	9	172
B-BROMO-B-NITROSTYRENE	5	5	2	1	3	5	2	3	3	2	2	2	33
WEIGHT (KGS)													
BETZ 20K													
WEIGHT (KGS)	435	253	716	220	220	623	193	644	379	162	494	81	4,421
BETZ 22K							47			19	16	12	93
WEIGHT (KGS)													
CARBOHYDRAZIDE							5	3					8
WEIGHT (KGS)													
CARBOXYALKYLATED POLYSACCHARIDE	0	0	0	0	0	0	0	0	0	0	0	0	1
WEIGHT (KGS)													
CARBOXYLATED LIGNIN	0	0	0	0	0	0	0	0	0	0	0	0	0
WEIGHT (KGS)													
CYCLOHEXYLAMINE	0	2	0	1	2	0	1			2	0	3	11
WEIGHT (KGS)													
DIMETHYLISOPROPANOLAMINE	1	1	2	0	4	1	0			0	0	1	10
WEIGHT (KGS)													

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

ANL-6

PAGE: 2
SCHED. NO. INRPT008A

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

ANL LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
ETHYLAMINE WEIGHT (KGS)	0	0	0		0	0							1
ISOPROPYL ALCOHOL WEIGHT (KGS)							0	0	0	0	0	0	0
JANITORIAL SUPPLIES WEIGHT (KGS)	291	291	291	291	291	291	291	291	291	291	291	291	3,495
METHYLENE BIS(THIOCYANATE) WEIGHT (KGS)	2	2	1	0	1	3	1	1	1	1	1	1	15
N-METHYL PYRROLIDONE WEIGHT (KGS)	7	7	4	1	4	8	4	4	5	3	3	3	52
N/A WEIGHT (KGS)						0	0	0	0	0	0	0	0
NONYLPHENOXY POLY(ETHYLENEOXY)ETHANO WEIGHT (KGS)						3							3
NONYLPHENOXY POLY(ETHYLENEOXY)ETHANOL WEIGHT (KGS)	2	2	1	0	1		1	1	1	1	1	1	13
PHOTO LAB CHEMICAL WEIGHT (KGS)		330		26	189	567	390	1,002	620	170			3,295
POLYACRYLATE WEIGHT (KGS)	35	21	137	15	54		15	50	27				355
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
SODIUM CARBONATE WEIGHT (KGS)					11		11						23

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

ANL-7

PAGE: 3
SCHED. NO. INRPTOBA

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

ANL LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
SODIUM HYDRATE SOLUTION WEIGHT (KGS)	0	1		1	1	1							4
SODIUM HYPOCHLORITE WEIGHT (KGS)							4	3	3	3	3	3	20
SODIUM ION WEIGHT (KGS)	374	249	332	250	456	291	1,112	3,443	836	662	414	3,575	11,993
SODIUM SULFATE WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	1
SODIUM SULFITE WEIGHT (KGS)	0	1	0	1	0	1	0	1	2	1	0	0	6
SODIUM TRIPOLYPHOSPHATE WEIGHT (KGS)	0	0	0	0	0	0	0	0	1	0	0	0	2
STODDARD SOLVENT WEIGHT (KGS)	13	13	6	2	7	15	6	7	9	5	5	5	94
SULFATE ION WEIGHT (KGS)	4,015	1,800	5,021	1	2,250	7,026	1,039	1,733	6,987	2,767	5,081	497	38,218
SULFITE ION WEIGHT (KGS)	0	1		1	0	1							3

ANL-8

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

PAGE: 1
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
FACILITY 779 VOLUME (1000 L) PH	SURFACE 1,386	2,076	4,420	1,719	2,138	2,119	2,381	2,631	3,297	7,874	4,618	4,618	39,278
JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)	210.15 291	140.35 291	65.90 291	169.41 291	136.24 291	137.44 291	122.30 291	110.69 291	88.32 291	36.98 291	63.06 291	63.06 291	88.98 3,495
INDUSTRIAL POND 746 VOLUME (1000 L) PH	SURFACE 14,559	8,479	14,385	9,028	11,333	15,289	3,899	9,728	8,971	3,596	7,836	7,836	114,940
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANT CONC. (MG/L) WEIGHT (KGS)	2.88 42	4.95 42	4.38 63	1.39 13	2.22 25	5.49 84	27.44 107	10.31 100	5.47 49	11.40 41	7.60 60	7.82 61	5.97 687
ALKYL DIMETHYL BENZYLAMMORTIUM CHLORIDE, CONC. (MG/L) WEIGHT (KGS)							0.01 0	0.00 0	0.00 0	0.01 0	0.00 0	0.00 0	0.00 0
ALKYL METHYL BENZYL AMMONIUM CHLORIDE CONC. (MG/L) WEIGHT (KGS)							0.01 0	0.00 0	0.00 0	0.01 0	0.00 0	0.00 0	0.00 0
AMINEMETHYLPROPANOL CONC. (MG/L) WEIGHT (KGS)	0.05 1	0.02 0	0.11 2		0.28 3	0.08 1							0.06 7
AROMATIC SOLVENTS CONC. (MG/L) WEIGHT (KGS)	1.54 22	2.64 22	0.78 11	0.35 3	1.13 13	2.16 33	2.90 11	1.27 12	1.69 15	2.64 9	1.18 9	1.21 9	1.50 172

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 1993

28-JUN-94

ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
INDUSTRIAL POND 746 SURFACE													
B-BROMO-B-NITROSTYRENE													
CONC. (MG/L)	0.31	0.54	0.16	0.07	0.23	0.33	0.59	0.26	0.35	0.54	0.24	0.25	0.29
WEIGHT (KGS)	5	5	2	1	3	5	2	3	3	2	2	2	33
BETZ 20K													
CONC. (MG/L)	29.88	29.87	49.76	24.40	19.43	40.73	49.44	66.21	42.27	45.16	63.10	10.30	38.46
WEIGHT (KGS)	435	253	716	220	220	623	193	644	379	162	494	81	4,421
BETZ 22K													
CONC. (MG/L)						3.06							
WEIGHT (KGS)						47							
CARBOHYDRAZIDE													
CONC. (MG/L)					0.45	0.20							
WEIGHT (KGS)					5	3							
CARBOXYALKYLATED POLYSACCHARIDE													
CONC. (MG/L)	0.00	0.01	0.00	0.02	0.00	0.01	0.02	0.01	0.03	0.03		0.01	0.01
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0		0	1
CARBOXYLATED LIGNIN													
CONC. (MG/L)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01		0.00	0.00
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0		0	0
CYCLOHEXYLAMINE													
CONC. (MG/L)	0.03	0.19	0.01	0.07	0.15	0.01	0.29						
WEIGHT (KGS)	0	2	0	1	2	0	1						
DIMETHYLISOPROPANOLAMINE													
CONC. (MG/L)	0.06	0.07	0.11	0.02	0.32	0.08	0.08						
WEIGHT (KGS)	1	1	2	0	4	1	0						
ANL-10													

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

PAGE: 3
SCHED. NO. INRPT00B

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
INDUSTRIAL POND 746 SURFACE													
ETHYLAMINE													
CONC. (MG/L)	0.01	0.02	0.01		0.03	0.02							0.01
WEIGHT (KGS)	0	0	0		0	0							1
ISOPROPYL ALCOHOL													
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
METHYLENE BIS(THIOCYANATE)													
CONC. (MG/L)	0.14	0.24	0.07	0.03	0.10	0.17	0.26	0.12	0.15	0.24	0.11	0.11	0.13
WEIGHT (KGS)	2	2	1	0	1	3	1	1	1	1	1	1	15
N-METHYL PYRROLIDONE													
CONC. (MG/L)	0.49	0.84	0.25	0.11	0.36	0.50	0.92	0.40	0.54	0.84	0.37	0.38	0.45
WEIGHT (KGS)	7	7	4	1	4	8	4	4	5	3	3	3	52
N/A													
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
NONYLPHENOXY POLY(ETHYLENE OXY)ETHANO						0.17							
CONC. (MG/L)						3							0.02
WEIGHT (KGS)													3
NONYLPHENOXY POLY(ETHYLENE OXY)ETHANOL													
CONC. (MG/L)	0.14	0.24	0.07	0.03	0.10		0.26	0.12	0.15	0.24	0.11	0.11	0.11
WEIGHT (KGS)	2	2	1	0	1		1	1	1	1	1	1	13
PHOTO LAB CHEMICAL													
CONC. (MG/L)	38.96			2.93	16.68	37.10	99.90	103.01	69.13	47.32			28.67
WEIGHT (KGS)	330			26	189	567	390	1,002	620	170			3,295

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: 4
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-1
ANL

RELEASE POINT DESCRIPTION													ANNUAL TOT
SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	VOL/WEIGHT
INDUSTRIAL POND 746 SURFACE													
POLYACRYLATE													
CONC. (MG/L)	2.39	2.53	9.53	1.68	4.79		3.89	5.15	3.03				3.09
WEIGHT (KGS)	35	21	137	15	54		15	50	27				355
POLYALKYLENE GLYCOL													
CONC. (MG/L)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WEIGHT (KGS)	0	0	0	0	0	0	0	0	0	0	0	0	0
SALT OF EDTA													
CONC. (MG/L)	0.00	0.01	0.00	0.00	0.00	0.00	0.01			0.01	0.00	0.01	0.00
WEIGHT (KGS)	0	0	0	0	0	0	0			0	0	0	0
SODIUM CARBONATE					1.00		2.91						0.20
CONC. (MG/L)					11		11						23
WEIGHT (KGS)													
SODIUM HYDRATE SOLUTION													
CONC. (MG/L)	0.03	0.13		0.15	0.06	0.06							0.04
WEIGHT (KGS)	0	1		1	1	1							4
SODIUM HYPOCHLORITE													
CONC. (MG/L)							0.94	0.34	0.36	0.91	0.42	0.42	0.17
WEIGHT (KGS)							4	3	3	3	3	3	20
SODIUM ION													
CONC. (MG/L)	25.66	29.41	23.08	27.66	40.27	19.02	285.12	353.88	93.14	184.16	52.87	456.20	104.34
WEIGHT (KGS)	374	249	332	250	456	291	1,112	3,443	836	662	414	3,575	11,993
SODIUM SULFATE													
CONC. (MG/L)	0.00	0.01	0.00	0.02	0.00	0.01	0.02	0.01	0.03	0.03	0.01	0.01	0.01
WEIGHT (KGS)	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

ANL-12

PAGE: 5
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

ANL RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 115-I
ANL

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
INDUSTRIAL POND 746 SURFACE													
SODIUM SULFITE													
CONC. (MG/L)	0.02	0.07	0.01	0.09	0.02	0.05	0.11	0.05	0.17	0.14			0.03
WEIGHT (KGS)	0	1	0	1	0	1	0	1	2	1			0
SODIUM TRIPOLYPHOSPHATE													
CONC. (MG/L)	0.01	0.02	0.00	0.03	0.01	0.02	0.04	0.02	0.06	0.05			0.01
WEIGHT (KGS)	0	0	0	0	0	0	0	0	1	0			0
STODDARD SOLVENT													
CONC. (MG/L)	0.87	1.50	0.44	0.20	0.64	1.00	1.65	0.72	0.96	1.50	0.67	0.69	0.82
WEIGHT (KGS)	13	13	6	2	7	15	6	7	9	5	5	5	94
SULFATE ION													
CONC. (MG/L)	275.79	212.26	349.07	0.13	198.55	459.55	266.58	178.12	778.81	769.42	648.37	63.47	332.50
WEIGHT (KGS)	4,015	1,800	5,021	1	2,250	7,026	1,039	1,733	6,987	2,767	5,081	497	38,218
SULFITE ION													
CONC. (MG/L)	0.00	0.07		0.13	0.02	0.04							0.02
WEIGHT (KGS)	0	1		1	0	1							3

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

ANL-13

PAGE: 1
SCHED. NO. INRPT009

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

ANL LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 116-I
ANL

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS								30.6	7.3				37.8
ASPHALT										207.2			207.2
CAFETERIA GARBAGE	29.1	24.5	41.3	44.3	42.8	47.4	42.8	33.6	42.8	36.7	48.9	55.8	490.1
DIRT AND GRAVEL								15.3	55.1	25.2	168.2	62.7	326.5
MASONRY AND CONCRETE					1.1				5.0				6.1
SCRAP METAL	6.1	9.2	15.3	9.2	29.1	9.2	13.8	52.8	105.9	109.3	27.5	24.5	411.7
TRASH, SWEEPINGS, ETC.	438.1	431.2	669.8	470.6	439.6	380.0	627.0	613.2	422.4	533.3	472.5	396.1	5,893.9
WEEDS, GRASS AND TREES											7.6		7.6
WOOD AND SCRAP LUMBER 890/3365 & 891/5544			42.8	122.3	30.6	30.6	18.4	104.0	175.1	104.0	26.0	26.0	679.7
CONDITIONAL ITEM'S 870/		0.8											0.8
CONDITIONAL ITEMS 887/0		1.5											1.5
GRAND TOTALS:	473.3	467.2	770.7	646.5	543.2	467.2	701.9	849.5	813.5	1,015.8	750.8	565.0	8,064.6

ANL-14

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. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
ANL WATER USAGE AND DISPOSAL SUMMARY

RPT 117-I
ANL

(ALL VOLUMES = NEAREST THOUSAND LITERS)

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

WATER DATA

001 WATER PUMPED (L)	23,292	19,094	35,265	6,371	8,820	26,449	12,075	35,204	28,239	17,470	16,788	8,638	237,704
002 WATER PUMPED (L)	23,292	19,094	35,265	6,371	8,820	26,449	12,075	35,204	28,239	17,470	16,788	8,638	237,704
WATER PUMPED (L)	46,583	38,187	70,530	12,742	17,640	52,897	24,151	70,408	56,478	34,939	33,576	17,277	475,408

WATER DISPOSED

AIR (L)	28,262	25,676	48,112	1,308	3,238	32,808	11,470	9,199	35,848	1,878	26,611	3,479	227,889
SURFACE (L)	14,559	8,479	14,385	9,028	11,333	15,289	6,284	12,378	12,272	3,596	7,836	2,196	117,635
SUBSURFACE (L)						45	45	83		5	83	83	345

ANL-15

SEWAGE DATA

720 BUILD VOL (L)	45	45	45	45	45	45	45	45	36	36	36	36	508
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BIOCHEMICAL OXYGEN DEMAND (BOD)

RAW CONC. (MG/L)
FINAL CONC. (MG/L)
% REMOVED

DISSOLVED OXYGEN (DO)

RAW CONC. (MG/L)
FINAL CONC. (MG/L)
INCREASED FACTOR

SETTLEABLE SOLIDS (SS)

RAW CONC. (ML/L)
FINAL CONC. (ML/L)
% REMOVED

PH FINAL

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

PAGE: 2
SCHED. NO. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
ANL WATER USAGE AND DISPOSAL SUMMARY

RPT 117-1
ANL

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT ANL	Avg Conc
721 BUILD VOL (L)										39	39	39	39	156
BIOCHEMICAL OXYGEN DEMAND (BOD)														
RAW CONC. (MG/L)														
FINAL CONC. (MG/L)														
% REMOVED														
DISSOLVED OXYGEN (DO)														
RAW CONC. (MG/L)														
FINAL CONC. (MG/L)														
INCREASED FACTOR														
SETTLEABLE SOLIDS (SS)														
RAW CONC. (ML/L)														
FINAL CONC. (ML/L)														
% REMOVED														
PH FINAL														

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

ANL-16

PAGE: 3
SCHED. NO. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
ANL WATER USAGE AND DISPOSAL SUMMARY

RPT 117-1
ANL

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT	
													VOL/WEIGHT	Avg Conc
779 BUILD VOL (L)	1,386	2,076	4,420	1,719	2,138	2,119	2,381	2,631	3,297	7,874	4,618	6,057	40,717	
BIOCHEMICAL OXYGEN DEMAND (BOD)														
RAW CONC. (MG/L)				380.0	380.0	430.0	400.0		12.0	500.0				350.3
FINAL CONC. (MG/L)				34.0	30.0	20.0	34.0		480.0	6.0				100.7
% REMOVED				91.1	92.1	95.3	91.5		3,900.0	98.8				71.3
DISSOLVED OXYGEN (DO)														
RAW CONC. (MG/L)				0.1	3.6	6.6		2.3	2.0	4.6				3.2
FINAL CONC. (MG/L)				0.4	3.2			9.4	9.7	3.8				5.3
INCREASED FACTOR				3.0	-0.1			3.1	3.9	-0.2				0.7
SETTLEABLE SOLIDS (SS)														
RAW CONC. (ML/L)														
FINAL CONC. (ML/L)														
% REMOVED														
PH FINAL				8.6	8.3	8.4	8.9	9.2	9.5	8.8				8.8

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

ANL-17

PAGE: 4
SCHED. NO. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
ANL WATER USAGE AND DISPOSAL SUMMARY

RPT 117-I
ANL

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
793 BUILD VOL (L)										8	8	8	8
BIOCHEMICAL OXYGEN DEMAND (BOD)													33
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)	1,432	2,121	4,466	1,765	2,184	2,165	2,426	2,676	3,381	7,957	4,702	6,140	41,414
TOTAL WATER DISPOSED(L)	44,252	36,277	66,963	12,101	16,755	50,262	20,225	24,298	51,584	13,436	39,232	11,898	387,283
ACCOUNTABILITY (%)	95.0	95.0	94.9	95.0	95.0	95.0	83.7	34.5	91.3	38.5	116.8	68.9	81.5

ANL-18

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

PAGE: 1
SCHED. NO. INRPT011

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

ANL FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 118-I
ANL

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	208	359	19	275	217	42	126	318	7	258	111	393	2,333
SO2 (KGS)	1	2	0	1	1	0	1	2	0	1	1	2	13
NOX (KGS)													
PARTICULATES (KGS)	0	0	0	0	0	0	0	0	0	0	0	1	3
GRAND TOTALS:													
VOLUME (LITERS)	208	359	19	275	217	42	126	318	7	258	111	393	2,333
SO2 (KGS)	1	2	0	1	1	0	1	2	0	1	1	2	13
NOX (KGS)													
PARTICULATES (KGS)	0	0	0	0	0	0	0	0	0	0	0	1	3

ANL-19

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

Page: 1
Sched. No. INRPT013

25-JUN-94

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

HAZARDOUS WASTE GENERATED BY ANL
FOR January - December 1993

RPT 1110-I
ANL

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 752													
Gross Volumes:	6.81E-01	7.95E-01	2.08E-01	3.14E-01		2.08E-01	6.40E-01	7.57E-02	2.27E-01		2.08E-01		3.36E+00
Gross Weights:	4.62E+05	3.17E+05	1.93E+05	2.88E+05		2.45E+05	4.33E+05	4.35E+04	2.44E+05		2.49E+05		2.47E+06
BLDG 753								2.38E-01				3.44E-01	7.91E-01
Gross Volumes:	2.08E-01						1.90E+05					2.51E+05	4.96E+05
BLDG 757									2.50E+00				2.50E+00
Gross Volumes:								3.62E+06					3.62E+06
BLDG 765													
Gross Volumes:		7.57E-02							1.46E+00				1.53E+00
Gross Weights:		3.81E+04							1.66E+06				1.70E+06
BLDG 769								2.08E-01					
Gross Volumes:							3.63E+05						2.08E-01
Gross Weights:													3.63E+05
BLDG 772									1.14E-01				1.44E-01
Gross Volumes:								4.72E+04					2.90E+04
Gross Weights:													7.62E+04
BLDG 774													
Gross Volumes:									9.43E-01				1.26E+00
Gross Weights:									5.01E+05				6.28E+05
BLDG 781													
Gross Volumes:		9.84E-01											9.84E-01
Gross Weights:		3.09E+05											3.09E+05
BLDG 785								2.08E-01					
Gross Volumes:		2.84E-01					2.47E+05						8.14E-01
Gross Weights:		2.78E+05											8.52E+05
BLDG 789													
Gross Volumes:		1.89E-02											1.89E-02
Gross Weights:		7.71E+03											7.71E+03
BLDG ANL													
Gross Volumes:	1.81E+00	8.52E-01											2.66E+00
Gross Weights:	1.84E+06	3.70E+05											2.21E+06
TOTAL VOLUMES:	2.70E+00	3.01E+00	2.08E-01	3.14E-01	2.08E-01	2.08E-01	1.20E+00	3.52E+00	2.11E+00	2.08E-01	5.83E-01		1.43E+01
TOTAL WEIGHTS:	2.35E+06	1.32E+06	1.93E+05	2.88E+05	2.47E+05	2.45E+05	1.03E+06	4.17E+06	2.10E+06	2.54E+05	5.30E+05		1.27E+07

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

Page: 1
Sched. No. INRPT013A

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

25-JUN-94

MIXED WASTE GENERATED BY ANL
FOR January - December 1993

RPT 1111-I
ANL

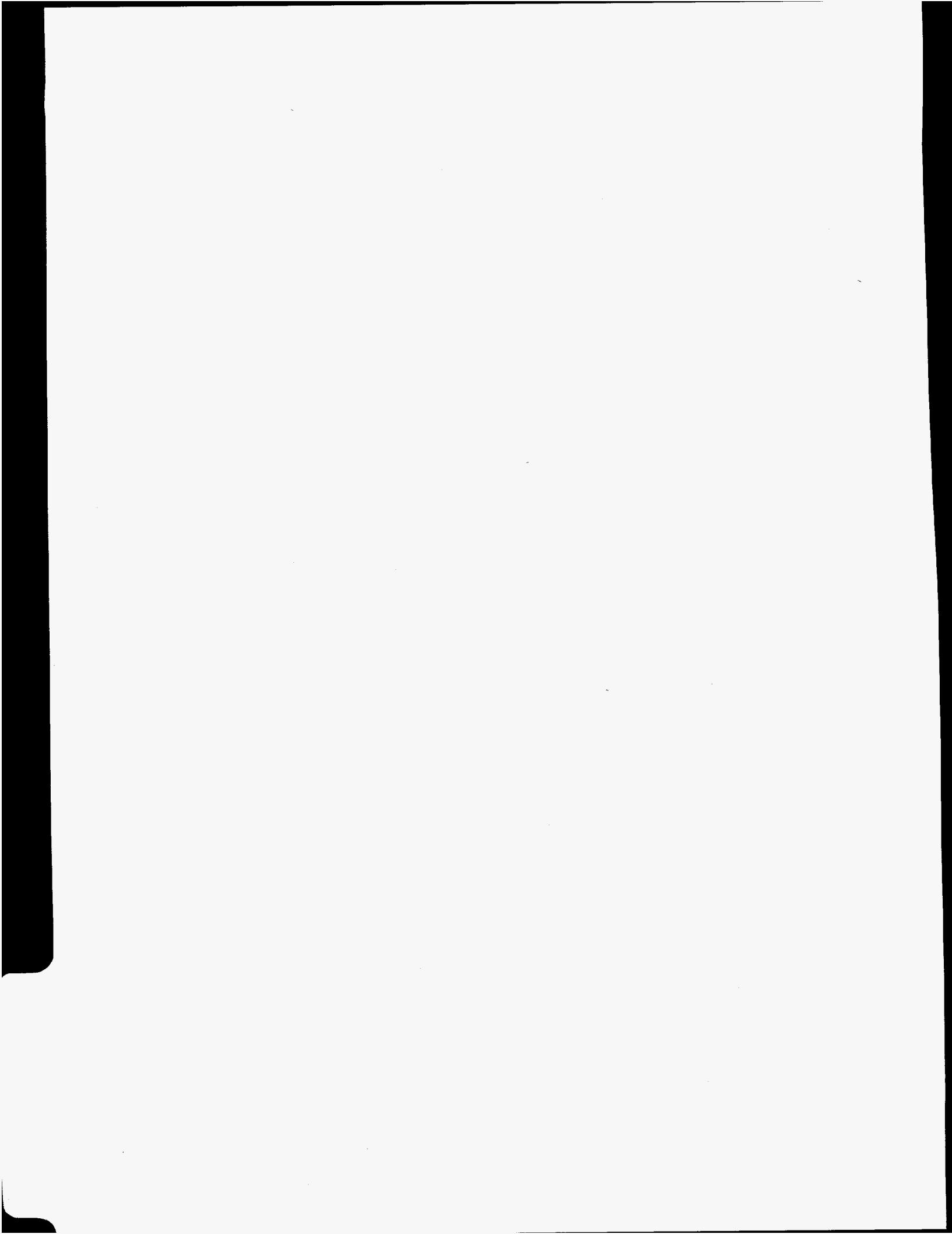
BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 765													
Gross Volumes:					3.03E-02								3.03E-02
Gross Weights:					6.80E+03								6.80E+03
TOTAL VOLUMES:					3.03E-02								3.03E-02
TOTAL WEIGHTS:					6.80E+03								6.80E+03

ANL-21

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

CENTRAL FACILITIES AREA, 1993 DETAIL DATA

Report 135—CFA Liquid Disposed Substances Summary	CFA-3
Report 135—CFA Release Point And Liquid Disposed Substances Summary ...	CFA-5
Report 136—CFA Landfill Solid Disposed Waste Summary	CFA-8
Report 137—CFA Water Usage And Disposal Summary For January Through December 1993	CFA-9
Report 138—CFA Fuel Oil Usage And Stack Effluents Summary	CFA-11
Report 1310—Hazardous Waste Generated By CFA For January–December 1993	CFA-12
Report 1311—Mixed Waste Generated By CFA For January–December 1993 ...	CFA-13



PAGE: 1
SCHED. NO. INRPT008A

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CFA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-I
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								25
BARIUM SULFATE WEIGHT (KGS)	0	0	0	0	0	0	0		0	0	0	0	0
CALCIUM CHLORIDE WEIGHT (KGS)	11	11	11	11	11								54
CALCIUM FLUORIDE WEIGHT (KGS)	4	4	4	4	4								21
CALCIUM NITRATE WEIGHT (KGS)	4	4	4	4	4								19
CALCIUM PERCHLORATE WEIGHT (KGS)	0	0	0	0	0								2
CALCIUM PHOSPHATE, TRIBASIC WEIGHT (KGS)	2	2	2	2	2								12
CALCIUM SULFATE, ANHYDROUS WEIGHT (KGS)	0	0	0	0	0								0
CHLORIDE ION WEIGHT (KGS)	2,257	1,830	1,335	1,514	1,252	788	774		1,435	1,469	1,063	1,008	14,724
DREWGARD WEIGHT (KGS)				2					1				3
ETHYL ALCOHOL WEIGHT (KGS)	2	2	2	2	2	0	0		0	0	0	0	12
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)	9	7	7	6	4	0	1		6	5	4	7	56
JANITORIAL SUPPLIES WEIGHT (KGS)	465	351	500	407	472	360	360		287	323	236	472	4,233

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

CFA-3

PAGE: 2
SCHED. NO. INRPT008A

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CFA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-I
CFA

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
LAUNDRY PRODUCTS WEIGHT (KGS)	240	179	260	237	237								1,153
NITRATE ION WEIGHT (KGS)						1	1		1	1	1	1	3
POTASSIUM HYDROXIDE WEIGHT (KGS)	9	7	7	6	4	0	1		6	5	4	7	56
SODIUM FLUORIDE WEIGHT (KGS)						2	2		2	2	2	2	12
SODIUM ION WEIGHT (KGS)	1,483	1,205	883	997	822	513	505		941	971	707	681	9,708
SODIUM LIGNOSULFONATE WEIGHT (KGS)	9	7	7	6	4	0	1		6	5	4	7	56
SODIUM PERCHLORATE WEIGHT (KGS)						0	0		0	0	0	0	1
SODIUM PHOSPHATE WEIGHT (KGS)						0	0		0	0	0	0	1
SULFATE ION WEIGHT (KGS)						0	0		0	0	0	0	0
SULFITE ION WEIGHT (KGS)	32	29	27	27	16	1	3		12	27	26	38	239

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

CEA-4

PAGE: 1
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CFA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-I
CFA

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEWAGE PLANT VOLUME (1000 L) PH	SUBSURFACE 13,347	10,096	13,245	13,359	18,776	17,655	20,986		18,594	20,400	15,096	10,096	171,649
ALUMINUM NITRATE CONC. (MG/L) WEIGHT (KGS)	0.37 5	0.49 5	0.38 5	0.37 5	0.27 5								0.15 25
BARIUM SULFATE CONC. (MG/L) WEIGHT (KGS)	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0		0.00 0	0.00 0	0.00 0	0.00 0	0.00 0
CALCIUM CHLORIDE CONC. (MG/L) WEIGHT (KGS)	0.82 11	1.08 11	0.82 11	0.81 11	0.58 11								0.32 54
CALCIUM FLUORIDE CONC. (MG/L) WEIGHT (KGS)	0.31 4	0.41 4	0.31 4	0.31 4	0.22 4								0.12 21
CALCIUM NITRATE CONC. (MG/L) WEIGHT (KGS)	0.28 4	0.37 4	0.28 4	0.28 4	0.20 4								0.11 19
CALCIUM PERCHLORATE CONC. (MG/L) WEIGHT (KGS)	0.03 0	0.04 0	0.03 0	0.03 0	0.02 0								0.01 2
CALCIUM PHOSPHATE,TRIBASIC CONC. (MG/L) WEIGHT (KGS)	0.18 2	0.23 2	0.18 2	0.18 2	0.13 2								0.07 12
CALCIUM SULFATE, ANHYDROUS CONC. (MG/L) WEIGHT (KGS)	0.01 0	0.01 0	0.01 0	0.01 0	0.00 0								0.00 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. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CFA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-I
CFA

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT	Avg Conc
SEWAGE PLANT	SUBSURFACE													
CHLORIDE ION														
CONC. (MG/L)	169.09	181.30	100.78	113.32	66.70	44.62	36.88		77.15	72.01	70.41	99.84	85.78	
WEIGHT (KGS)	2,257	1,830	1,335	1,514	1,252	788	774		1,435	1,469	1,063	1,008	14,724	
DREWGARD					0.17				0.06				0.02	
CONC. (MG/L)					2				1					3
WEIGHT (KGS)														
ETHYL ALCOHOL														
CONC. (MG/L)	0.18	0.23	0.18	0.18	0.13	0.00	0.00		0.00	0.00	0.00	0.00	0.07	
WEIGHT (KGS)	2	2	2	2	2	0	0		0	0	0	0	0	12
ETHYLEDIAMIINE TETRAACETIC ACID														
CONC. (MG/L)	0.65	0.68	0.54	0.46	0.20	0.02	0.03		0.30	0.26	0.28	0.70	0.32	
WEIGHT (KGS)	9	7	7	6	4	0	1		6	5	4	7	56	
JANITORIAL SUPPLIES														
CONC. (MG/L)	34.83	34.79	37.77	30.48	25.15	20.37	17.14		15.43	15.84	15.63	46.77	24.66	
WEIGHT (KGS)	465	351	500	407	472	360	360		287	323	236	472	4,233	
LAUNDRY PRODUCTS													6.72	
CONC. (MG/L)	18.01	17.75	19.66	17.72	12.61									1,153
WEIGHT (KGS)	240	179	260	237	237									
NITRATE ION														
CONC. (MG/L)						0.03	0.02		0.03	0.02	0.03	0.05	0.02	
WEIGHT (KGS)						1	1		1	1	1	1	3	
POTASSIUM HYDROXIDE														
CONC. (MG/L)	0.65	0.68	0.54	0.46	0.20	0.02	0.03		0.30	0.26	0.28	0.70	0.32	
WEIGHT (KGS)	9	7	7	6	4	0	1		6	5	4	7	56	

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

CFA-6

PAGE: 3
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CFA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 135-I
CFA

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
SEWAGE PLANT SUBSURFACE													
SODIUM FLUORIDE													
CONC. (MG/L)													
WEIGHT (KGS)													
SODIUM ION													
CONC. (MG/L)	111.11	119.36	66.68	74.64	43.77	29.05	24.04		50.62	47.59	46.86	67.40	56.55
WEIGHT (KGS)	1,483	1,205	883	997	822	513	505		941	971	707	681	9,708
SODIUM LIGNOSULFONATE													
CONC. (MG/L)	0.65	0.68	0.54	0.46	0.20	0.02	0.03		0.30	0.26	0.28	0.70	0.32
WEIGHT (KGS)	9	7	7	6	4	0	1		6	5	4	7	56
SODIUM PERCHLORATE													
CONC. (MG/L)													
WEIGHT (KGS)													
SODIUM PHOSPHATE													
CONC. (MG/L)													
WEIGHT (KGS)													
SULFATE ION													
CONC. (MG/L)													
WEIGHT (KGS)													
SULFITE ION													
CONC. (MG/L)	2.42	2.82	2.06	2.00	0.85	0.08	0.12		0.64	1.33	1.74	3.81	1.39
WEIGHT (KGS)	32	29	27	27	16	1	3		12	27	26	38	239

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

CFA-7

PAGE: 1
SCHED. NO. INRPT009

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CFA LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 136-I
CFA

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS				12.2		26.4		15.3	6.9	6.1		31.0	97.9
ASPHALT					1.9		22.6	2.3	0.8	11.5	1.5		40.5
CAFETERIA GARBAGE	137.6	121.6	136.1	154.4	133.0	125.4	139.2	136.1	171.3	148.3	139.9	168.2	1,711.2
DIRT AND GRAVEL			0.8	5.4	6.1	0.4	320.0	22.9	9.6	7.3	19.5	15.7	407.5
MASONRY AND CONCRETE	3.1		3.4	5.0		7.6	18.7	55.1	27.5	5.4	81.0	2.7	209.5
SCRAP METAL	11.1	13.0	25.2	22.9	39.0	28.3	45.9	16.8	31.0	49.7	21.4	27.9	332.2
TRASH, SWEEPINGS, ETC.	475.2	450.3	526.4	446.1	363.6	517.6	482.1	521.5	459.9	588.7	497.0	432.4	5,760.9
WEEDS, GRASS AND TREES			3.1	14.5	13.4	18.4	16.4	25.2	14.6	3.4	2.3		111.3
WOOD AND SCRAP LUMBER	8.0	14.5	31.3	11.9	21.0	29.1	24.8	28.3	27.1	27.1	85.6	9.9	318.8
BALLAST				0.8									0.8
COAL								4.6					4.6
COLOR CODED								0.4					0.4
CRUSHED FLUORESCENT TUBE								2.3					2.3
CRUSHED LIGHT TUBES		0.4											0.4
EMPTY FUEL TANKS								1.5					1.5
FIBER GLASS TUBES								0.8					0.8
FLUORESCENT LIGHTS (CRU)			0.8				2.3						0.8
INSULATION							2.3						2.3
LIGHT BALL. NON PCB'S		0.4						3.4					0.4
OIL FILTERS								3.4					3.4
OLD RIGGING	4.6												4.6
PLASTIC TARPS								3.1					3.1
PPE'S		0.4							0.8				0.4
ROUND UP CANS, PLASTIC								0.8					0.8
SLUDGE							2.7						2.7
TISSUE				0.8			0.4						1.1
UNCONTAMINATED CONTROLL		0.4											0.4
VEHICLE GLASS		2.3											2.3
YELLOW CLOTHES,						0.8							0.8
GRAND TOTALS:	639.6	603.3	727.9	673.2	578.0	755.4	1,084.6	829.2	748.6	847.6	848.3	687.8	9,023.5

CFA-8

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. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
CFA WATER USAGE AND DISPOSAL SUMMARY

RPT 137-1
CFA

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	ANNUAL TOT VOL/WEIGHT	
												DEC	Avg Conc
WATER DATA													
001 WATER PUMPED (L)	64	67	76	48	1,061	5,856	2,983	1,622	374	497	3,205	15,852	
002 WATER PUMPED (L)	22,224	25,321	28,107	26,721	40,693	59,052	46,825	73,285	42,132	26,388	19,998	18,919	429,666
EBR WATER PUMPED (L)	121	106	61	6	11	14	8	16	11	25	33	23	435
FS2 WATER PUMPED (L)	186	126	111	58	145	190	293	289	140	150	118	91	1,896
MNG WATER PUMPED (L)	68	63	76	728	3,438	5,943	1,127	6,507	4,872	137,751	24,469	310	185,352
PTI WATER PUMPED (L)	15	9	19	19	20	24	64	21	11	11	17	21	251
WATER PUMPED (L)	22,678	25,692	28,448	27,581	45,368	71,080	51,299	81,741	47,165	164,698	45,131	22,570	633,451
WATER DISPOSED													
AIR (L)													
SURFACE (L)	447	765	747	1,341	11,262	28,345	19,892	53,185	9,180	318	270	602	126,352
SUBSURFACE (L)	513	452	662	630	657	66	56				0	0	3,036
SEWAGE DATA													
691 BUILD VOL (L)	12,833	9,645	12,583	12,730	18,117	17,591	20,929	15,327	18,594	20,400	15,096	10,096	183,940
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	100.0	83.8	123.8	125.0	88.8	73.8	48.0	70.7	40.4	47.5	48.8	68.4	76.6
FINAL CONC. (MG/L)	16.5	12.0	12.0	15.8	16.0	11.3	9.4	11.1	11.2	10.5	9.8	8.4	12.0
% REMOVED	83.5	85.7	90.3	87.4	82.0	84.7	80.4	84.3	72.3	77.9	79.9	87.7	84.3
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	3.1	3.0	3.1	1.6	2.3	1.5	1.4	2.2	1.6	1.4	2.3	2.8	2.2
FINAL CONC. (MG/L)	6.1	8.7	6.2	6.6	6.2	6.6	5.2	6.5	5.5	6.7	6.4	7.8	6.5
INCREASED FACTOR	1.0	1.9	1.0	3.1	1.7	3.4	2.7	2.0	2.4	3.8	1.8	1.8	2.0
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	9.6	9.6	6.5	10.4	7.6	9.7	4.6	8.1	6.2	10.2	7.2	7.4	8.1
FINAL CONC. (ML/L)	0.01	0.02	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.01
% REMOVED	99.9	99.8	99.8	99.9	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	99.9
PH FINAL	7.8	7.8	7.8	7.8	8.0	8.1	7.9	7.2	7.7	7.8	7.7	7.6	7.8

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

CFA-9

PAGE: 2
SCHED. NO. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
CFA WATER USAGE AND DISPOSAL SUMMARY

RPT 137-I
CFA

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	ANNUAL TOT VOL/WEIGHT	
												DEC	Avg Conc
TOTAL SEWAGE(L)	12,833	9,645	12,583	12,730	18,117	17,591	20,929	15,327	18,594	20,400	15,096	10,096	183,940
TOTAL WATER DISPOSED(L)	13,792	10,861	13,991	14,702	30,036	46,002	40,878	68,512	27,773	20,718	15,366	10,697	313,328
ACCOUNTABILITY (%)	60.8	42.3	49.2	53.3	66.2	64.7	79.7	83.8	58.9	12.6	34.0	47.4	49.5

CFA-10

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

PAGE: 1
SCHED. NO. INRPT011

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CFA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 138-I
CFA

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
<hr/>													
TYPE 2													
VOLUME (LITERS)	54	106	57	36	8	40	8	16	55	90	54	65	588
SO2 (KGS)	0	1	0	0	0	0	0	0	0	1	0	0	3
NOX (KGS)													
PARTICULATES (KGS)													
DIESEL													
VOLUME (LITERS)	16	23	1	8	19	26	21	7	98	2	4	7	232
SO2 (KGS)	0	0	0	0	0	0	0	0	1	0	0	0	2
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	70	129	58	44	27	66	29	22	153	92	58	71	820
SO2 (KGS)	0	1	0	0	0	0	0	0	1	1	0	0	5
NOX (KGS)													
PARTICULATES (KGS)													

CFA-11

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

Page: 1
Sched. No. INRPT013

25-JUN-94

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

HAZARDous WASTE GENERATED BY CFA
FOR January - December 1993

RPT 1310-I
CFA

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 605						6.25E-01							6.25E-01
	Gross Volumes:												5.42E+05
	Gross Weights:					5.42E+05							
BLDG 606													1.89E-02
	Gross Volumes:	1.89E-02											2.72E+03
	Gross Weights:	2.72E+03											
BLDG 621													8.14E-01
	Gross Volumes:	7.00E-01											8.47E+05
	Gross Weights:	7.87E+05											
BLDG 623													1.89E-01
	Gross Volumes:	1.14E-01											1.47E+05
	Gross Weights:	1.22E+05											
BLDG 625													3.03E-01
	Gross Volumes:	7.57E-02	2.27E-01										2.44E+05
	Gross Weights:	1.86E+04	2.26E+05										
BLDG 633													4.54E-01
	Gross Volumes:	7.57E-02				1.51E-01	2.27E-01						2.39E+05
	Gross Weights:	7.62E+04				6.76E+04	9.50E+04						
BLDG 656													6.25E-01
	Gross Volumes:												9.80E+05
	Gross Weights:												
BLDG 667							4.16E-01						4.16E-01
	Gross Volumes:						3.70E+05						3.70E+05
BLDG 669													1.51E-01
	Gross Volumes:												1.69E+05
	Gross Weights:												
BLDG 690						1.32E-01	1.14E-01	7.57E-02					4.16E-01
	Gross Volumes:					2.51E+04	4.81E+04	2.77E+04					6.51E+05
	Gross Weights:												
BLDG 698								7.57E-02					7.57E-02
	Gross Volumes:							1.81E+04					1.81E+04
	Gross Weights:												
BLDG 699									2.08E-01				2.08E-01
	Gross Volumes:								2.10E+05				2.10E+05
	Gross Weights:												
TOTAL VOLUMES:	9.46E-02	8.90E-01	2.27E-01	1.32E-01	1.14E-01	7.76E-01	7.19E-01	7.57E-02	1.02E+00				4.79E+00
TOTAL WEIGHTS:	7.89E+04	9.28E+05	2.26E+05	2.51E+04	4.81E+04	6.10E+05	4.93E+05	1.81E+04	1.28E+06				4.70E+06

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

CFA-12

Page: 1
Sched. No. INRPT013A

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

25-JUN-94

MIXED WASTE GENERATED BY CFA
FOR January - December 1993

RPT 1311-I
CFA

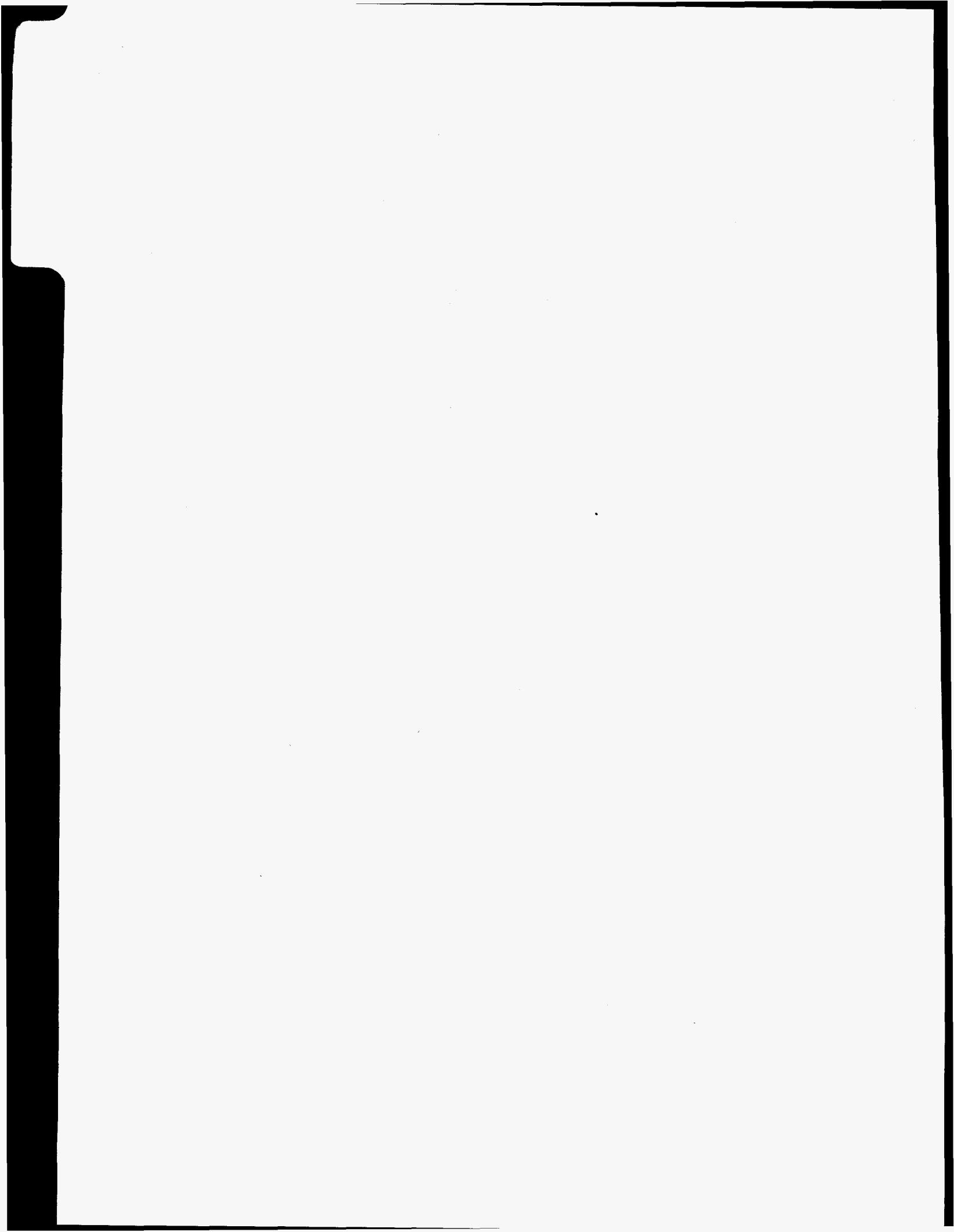
BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 633													
Gross Volumes:				6.25E-01	2.46E-01								8.71E-01
Gross Weights:				3.51E+05	1.56E+05								5.07E+05
BLDG 690								1.14E-01					
Gross Volumes:								4.85E+04					1.14E-01
Gross Weights:													4.85E+04
TOTAL VOLUMES:				6.25E-01	2.46E-01			1.14E-01					9.84E-01
TOTAL WEIGHTS:				3.51E+05	1.56E+05			4.85E+04					5.55E+05

CFA-13

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

CHEMICAL PROCESSING PLANT, 1993 DETAIL DATA

Report 144—CPP Airborne Disposed Substances Summary	CPP-3
Report 144—CPP Airborne Release Point And Disposed Substances Summary	CPP-4
Report 145—CPP Liquid Disposed Substances Summary	CPP-5
Report 145—CPP Release Point And Liquid Disposed Substances Summary	CPP-6
Report 146—CPP Landfill Solid Disposed Waste Summary	CPP-8
Report 147—CPP Water Usage And Disposal Summary For January Through December 1993	CPP-9
Report 148—CPP Fuel Oil Usage And Stack Effluents Summary	CPP-10
Report 8—INEL Coal Summary For January Through December 1993	CPP-11
Report 1410—Hazardous Waste Generated by CPP For January— December 1993	CPP-12



PAGE: 1
SCHED. NO. INRPT007A

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CPP AIRBORNE DISPOSED SUBSTANCES SUMMARY

RPT 144-I
CPP

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
NITRIC OXIDE WEIGHT (KGS)	220	812	1,973	8,074	5,851	4,069	5,216	4,944	35,698	4,427	2,000	22	73,306
NITROGEN DIOXIDE WEIGHT (KGS)	1,982	7,303	17,781	72,574	52,616	36,650	46,720	44,316	3,964	39,825	18,008	196	341,935

CPP-3

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

PAGE: 1
SCHED. NO. INRPT007

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CPP AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 144-I
CPP

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
STACK 708 VOLUME (1000 CM)	128,000	134,000	121,000	134,000	128,000	130,000	118,000	123,000	125,000	119,000	121,000	118,000	1,499,000
NITRIC OXIDE CONC. (CC/CM)	1.55	5.44	14.64	54.09	41.04	28.10	39.69	36.09	256.38	33.40	14.84	0.17	43.90
WEIGHT (KGS)	220	812	1,973	8,074	5,851	4,069	5,216	4,944	35,698	4,427	2,000	22	73,306
NITROGEN DIOXIDE CONC. (CC/CM)	9.07	31.91	86.05	317.14	240.71	165.09	231.84	210.97	18.57	195.97	87.15	0.97	133.57
WEIGHT (KGS)	1,982	7,303	17,781	72,574	52,616	36,650	46,720	44,316	3,964	39,825	18,008	196	341,935

CPP-4

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

PAGE: 1
SCHED. NO. INRPT008A

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CPP LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 145-I
CPP

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
ARSENIC WEIGHT (KGS)					0								0
BARIUM WEIGHT (KGS)	22	19	23	16	17	20	19	18	20	1	17	21	215
CADMIUM WEIGHT (KGS)	3												3
CHLORIDE ION WEIGHT (KGS)	62,788	56,630	64,049	66,199	60,098	64,315	54,472	56,517	58,188	52,248	54,669	60,158	710,333
CHROMIUM WEIGHT (KGS)					2								4 6
FLUORIDE ION WEIGHT (KGS)	53	46	59	49	45	51	46	44	41	38	44	45	561
NITRATE ION WEIGHT (KGS)	1,178	1,130	1,221	1,067	990	1,040	915	1,002	917	1,602	935	1,962	13,960
SELENIUM WEIGHT (KGS)			1										1
SILVER WEIGHT (KGS)					1								7 8
SODIUM ION WEIGHT (KGS)	37,453	32,422	42,858	41,019	38,225	33,614	36,181	32,645	34,682	31,275	32,047	31,116	423,537
SULFATE ION WEIGHT (KGS)	5,880	6,115	6,500	6,157	5,855	6,118	5,749	5,835	5,266	4,949	5,373	5,566	69,362

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

PAGE: 1
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CPP RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 145-1
CPP

RELEASE POINT DESCRIPTION														ANNUAL TOT VOL/WEIGHT
SUBSTANCE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg Conc
S PERCOLATION POND VOLUME (1000 L) PH	SURFACE	220,310	216,146	238,102	227,881	212,361	224,096	201,005	204,033	192,677	183,970	188,513	207,440	2,516,534
ARSENIC CONC. (MG/L) WEIGHT (KGS)						0.00 0								0.00 0
BARIUM CONC. (MG/L) WEIGHT (KGS)	0.10 22	0.09 19	0.10 23	0.07 16	0.08 17	0.09 20	0.09 19	0.09 18	0.10 20	0.01 1	0.09 17	0.10 21	0.08 215	
CADMIUM CONC. (MG/L) WEIGHT (KGS)	0.02 3													0.00 3
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)	285.00 62,788	262.00 56,630	269.00 64,049	290.50 66,199	283.00 60,098	287.00 64,315	271.00 54,472	277.00 56,517	302.00 58,188	284.00 52,248	290.00 54,669	290.00 60,158	282.27 710,333	
CHROMIUM CONC. (MG/L) WEIGHT (KGS)					0.01 2									0.02 4
FLUORIDE ION CONC. (MG/L) WEIGHT (KGS)	0.24 53	0.22 46	0.25 59	0.21 49	0.21 45	0.23 51	0.23 46	0.22 44	0.21 41	0.21 38	0.23 44	0.22 45	0.22 561	
NITRATE ION CONC. (MG/L) WEIGHT (KGS)	5.35 1,178	5.23 1,130	5.13 1,221	4.68 1,067	4.66 990	4.64 1,040	4.55 915	4.91 1,002	4.76 917	8.71 1,602	4.96 935	9.46 1,962	5.55 13,960	
SELENIUM CONC. (MG/L) WEIGHT (KGS)				0.00 1										0.00 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

CPP-6

PAGE: 2
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CPP RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 145-I
CPP

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
S PERCOLATION POND SURFACE													
SILVER													
CONC. (MG/L)					0.00								0.03
WEIGHT (KGS)					1								0.00
SODIUM ION													
CONC. (MG/L)	170.00	150.00	180.00	180.00	180.00	150.00	180.00	160.00	180.00	170.00	170.00	150.00	168.30
WEIGHT (KGS)	37,453	32,422	42,858	41,019	38,225	33,614	36,181	32,645	34,682	31,275	32,047	31,116	423,537
SULFATE ION													
CONC. (MG/L)	26.69	28.29	27.30	27.02	27.57	27.30	28.60	28.60	27.33	26.90	28.50	26.83	27.56
WEIGHT (KGS)	5,880	6,115	6,500	6,157	5,855	6,118	5,749	5,835	5,266	4,949	5,373	5,566	69,362

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

PAGE: 1
SCHED. NO. INRPT009

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CPP LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 146-I
CPP

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASPHALT				364.7	102.5	14.5	86.0	441.2	727.9	123.1	134.6	11.5	2,005.9
DIRT AND GRAVEL			3.8		12.6	9.2	266.1	76.5	530.3	261.1	1,218.0	1,381.6	3,759.2
MASONRY AND CONCRETE	4.6	0.8	0.8	3.1	36.3	18.4	27.9	93.7	275.6	73.0	84.5	6.5	625.1
SCRAP METAL	11.9	13.8	6.1	24.8	22.2	6.9	8.4	33.3	68.8	34.0	17.6	12.6	260.3
TRASH, SWEEPINGS, ETC.	506.2	359.4	485.9	493.5	454.2	484.0	344.1	533.3	547.5	597.2	560.1	582.2	5,947.4
WEEDS, GRASS AND TREES							30.6						30.6
WOOD AND SCRAP LUMBER	0.4	19.9	29.4	66.9	59.6	8.8	18.0	22.9	31.7	24.5	19.1	12.2	313.5
FIBERGLASS								3.8					3.8
PPE'S, FIBERDRUMS								3.8					3.8
SILACOH R.T.V.								0.8					0.8
GRAND TOTALS:	523.0	393.8	526.0	953.1	687.4	541.7	781.8	1,208.5	2,181.8	1,112.9	2,033.8	2,006.7	12,950.4

CPP-8

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. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
CPP WATER USAGE AND DISPOSAL SUMMARY

RPT 147-I
CPP

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.													ANNUAL TOT VOL/WEIGHT	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG	CONC
WATER DATA														
616 WATER PUMPED (L)	263,085	259,300	267,249	251,351	234,316	233,559	244,537	282,769	2,926	204,790	215,768	248,701	2,708,351	
WATER PUMPED (L)	263,085	259,300	267,249	251,351	234,316	233,559	244,537	282,769	2,926	204,790	215,768	248,701	2,708,351	
WATER DISPOSED														
AIR (L)														
SURFACE (L)	220,310	216,146	238,102	227,881	212,361	224,096	201,005	465,604	192,677	183,970	188,513	207,440	2,778,105	
SUBSURFACE (L)														
SEWAGE DATA														
615 BUILD VOL (L)	4,202	4,580	4,202	4,467	4,126	4,580	5,337	2,332	2,926	4,467	4,353	4,164	49,736	
BIOCHEMICAL OXYGEN DEMAND (BOD)														
RAW CONC. (MG/L)	120.0	142.0	115.0	148.0	216.0	206.0	120.0	138.0	165.0	183.0	152.0	149.0	154.5	
FINAL CONC. (MG/L)	15.0	21.0	15.0	29.0	38.0	21.0	27.0	28.0	25.0	23.0	23.0	12.0	23.1	
% REMOVED	87.5	85.2	87.0	80.4	82.4	89.8	77.5	79.7	84.8	87.4	84.9	91.9	85.1	
DISSOLVED OXYGEN (DO)														
RAW CONC. (MG/L)	2.9	2.5	3.3	2.6	0.6	0.4	0.5	0.4	0.8	0.5	0.7	0.7	1.3	
FINAL CONC. (MG/L)	8.7	9.1	8.4	9.1	7.1	4.2	4.1	4.3	5.0	6.3	7.6	8.0	6.8	
INCREASED FACTOR	2.0	2.6	1.5	2.5	10.8	9.5	7.2	9.8	5.3	11.6	9.9	10.4	4.2	
SETTLEABLE SOLIDS (SS)														
RAW CONC. (ML/L)														
FINAL CONC. (ML/L)														
% REMOVED														
PH FINAL	7.9	7.9	8.1	8.4	9.1	8.1	8.0	7.8	8.2	8.1	8.2	7.8	8.1	
TOTAL SEWAGE(L)	4,202	4,580	4,202	4,467	4,126	4,580	5,337	2,332	2,926	4,467	4,353	4,164	49,736	
TOTAL WATER DISPOSED(L)	224,512	220,727	242,303	232,348	216,487	228,676	206,342	467,936	195,603	188,437	192,866	211,604	2,827,841	
ACCOUNTABILITY (%)	85.3	85.1	90.7	92.4	92.4	97.9	84.4	165.5	6684.7	92.0	89.4	85.1	104.4	

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

0 IN A COLUMN INDICATES A TOTAL OF < 0.5

0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05

0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

CBP 9

PAGE: 1
SCHED. NO. INRPT011

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

CPP FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 148-I
CPP

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
<hr/>													
TYPE 2													
VOLUME (LITERS)	180	237	91	224	101	61	223	62	362	325	321	469	2,657
SO2 (KGS)	3	4	2	4	2	1	4	1	6	5	5	8	44
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	180	237	91	224	101	61	223	62	362	325	321	469	2,657
SO2 (KGS)	3	4	2	4	2	1	4	1	6	5	5	8	44
NOX (KGS)													
PARTICULATES (KGS)													

CPP-10

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

PAGE: 1
SCHED. NO. INRPT020

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

17-AUG-94

INEL COAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1993

RPT 8-I

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CPP													
TONS BURNED	1,695	1,398	1,453	857	804	1,148	532	620	103	642	1,180	1,203	11,635
AVG BTUs	.01309	.01309	.01300	.01300	.01300	.01309	.01280	.01280	.01280	.01280	.01280	.01280	.01292
NO2 (M TONS)	14	14	12	8	6	10	3	3	1	5	10	9	96
SO2 (M TONS)	2	2	1		1	1		1		1	1	1	10
GRAND TOTALS:													
TONS BURNED	1,695	1,398	1,453	857	804	1,148	532	620	103	642	1,180	1,203	11,635
NO2 (M TONS)	14	14	12	8	6	10	3	3	1	5	10	9	96
SO2 (M TONS)	2	2	1		1	1		1		1	1	1	10

CPP-11

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

Page: 1
Sched. No. INRPT013

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

25-JUN-94

HAZARDOUS WASTE GENERATED BY CPP
FOR January - December 1993

RPT 1410-I
CPP

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 165													
Gross Volumes:	1.87E+00												1.87E+00
Gross Weights:	1.79E+06												1.79E+06
BLDG 602								6.44E-01					6.44E-01
Gross Volumes:							5.39E+05						5.39E+05
BLDG 605								2.08E-01					2.08E-01
Gross Volumes:							2.38E+05						2.38E+05
BLDG 620								4.16E-01					4.16E-01
Gross Volumes:							4.01E+05						4.01E+05
BLDG 621								8.74E+00					1.06E+01
Gross Volumes:	1.87E+00							8.57E+06					9.83E+06
BLDG 637								1.02E+00					4.98E+00
Gross Volumes:	3.96E+00							1.12E+06					2.46E+06
BLDG 659													
Gross Volumes:	8.33E-01												8.33E-01
Gross Weights:	3.43E+05												3.43E+05
BLDG 660													
Gross Volumes:	6.25E-01												6.25E-01
Gross Weights:	7.34E+05												7.34E+05
BLDG 663													
Gross Volumes:	7.95E-01							4.16E-01					6.83E+00
Gross Weights:	8.37E+05							2.63E+05					7.23E+06
BLDG 666													
Gross Volumes:	6.25E-01							2.08E-01					8.33E-01
Gross Weights:	5.12E+05							1.70E+05					6.82E+05
BLDG 672													
Gross Volumes:	2.08E-01							4.23E+00					4.44E+00
Gross Weights:	1.61E+05							1.70E+06					1.86E+06
BLDG 695													
Gross Volumes:	4.16E-01							1.14E-01					5.30E-01
Gross Weights:	4.82E+05							1.35E+05					6.17E+05
BLDG ALL													
Gross Volumes:	1.25E+00												1.25E+00
Gross Weights:	4.20E+05												4.20E+05

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

CPP-12

Page: 2
Sched. No. INRPT013

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

25-JUN-94

HAZARDOUS WASTE GENERATED BY CPP
FOR January - December 1993

RPT 1410-I
CPP

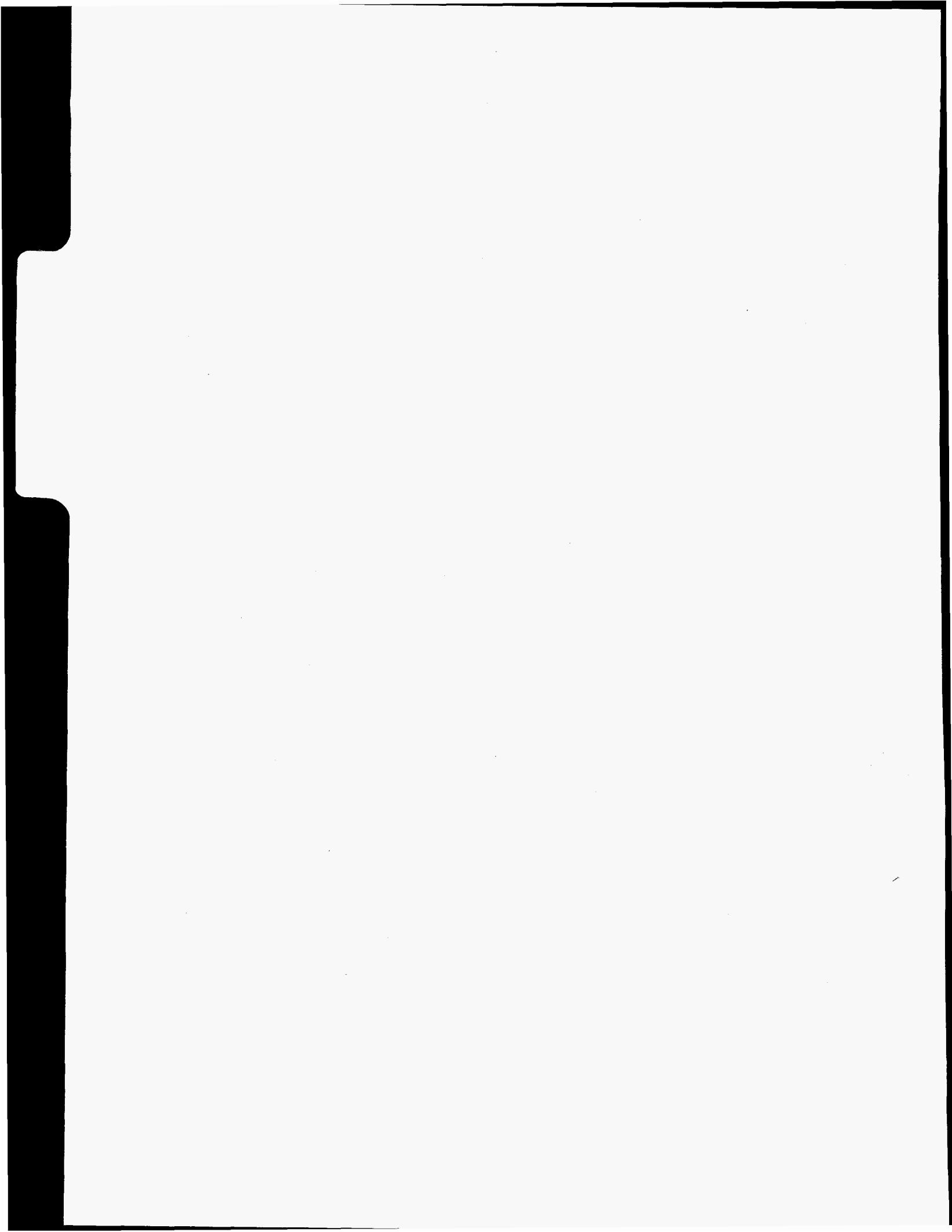
BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG FPR													
Gross Volumes:		3.33E+00											3.33E+00
Gross Weights:		1.75E+06											1.75E+06
TOTAL VOLUMES:		1.58E+01						1.60E+01		5.62E+00			3.74E+01
TOTAL WEIGHTS:		9.63E+06						1.31E+07		6.13E+06			2.89E+07

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

CPP-13

INEL RESEARCH CENTER, 1993 DETAIL DATA

Report 10—Hazardous Waste Generated By IRC For January–December 1993	IRC-3
Report 11—Mixed Waste Generated By IRC For January–December 1993	IRC-4



Page: 1
Sched. No. INRPT013

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

25-JUN-94

HAZARDOUS WASTE GENERATED BY IRC
FOR January - December 1993

RPT 10-1
IRC

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG IFC													
Gross Volumes:	3.16E+00								3.33E-01	2.97E+00			6.47E+00
Gross Weights:	1.66E+06								2.15E+05	1.60E+06			3.47E+06
TOTAL VOLUMES:	3.16E+00								3.33E-01	2.97E+00			6.47E+00
TOTAL WEIGHTS:	1.66E+06								2.15E+05	1.60E+06			3.47E+06

IRC-3

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

Page: 1
Sched. No. INRPT013A

25-JUN-94

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

MIXED WASTE GENERATED BY IRC
FOR January - December 1993

RPT 11-I
IRC

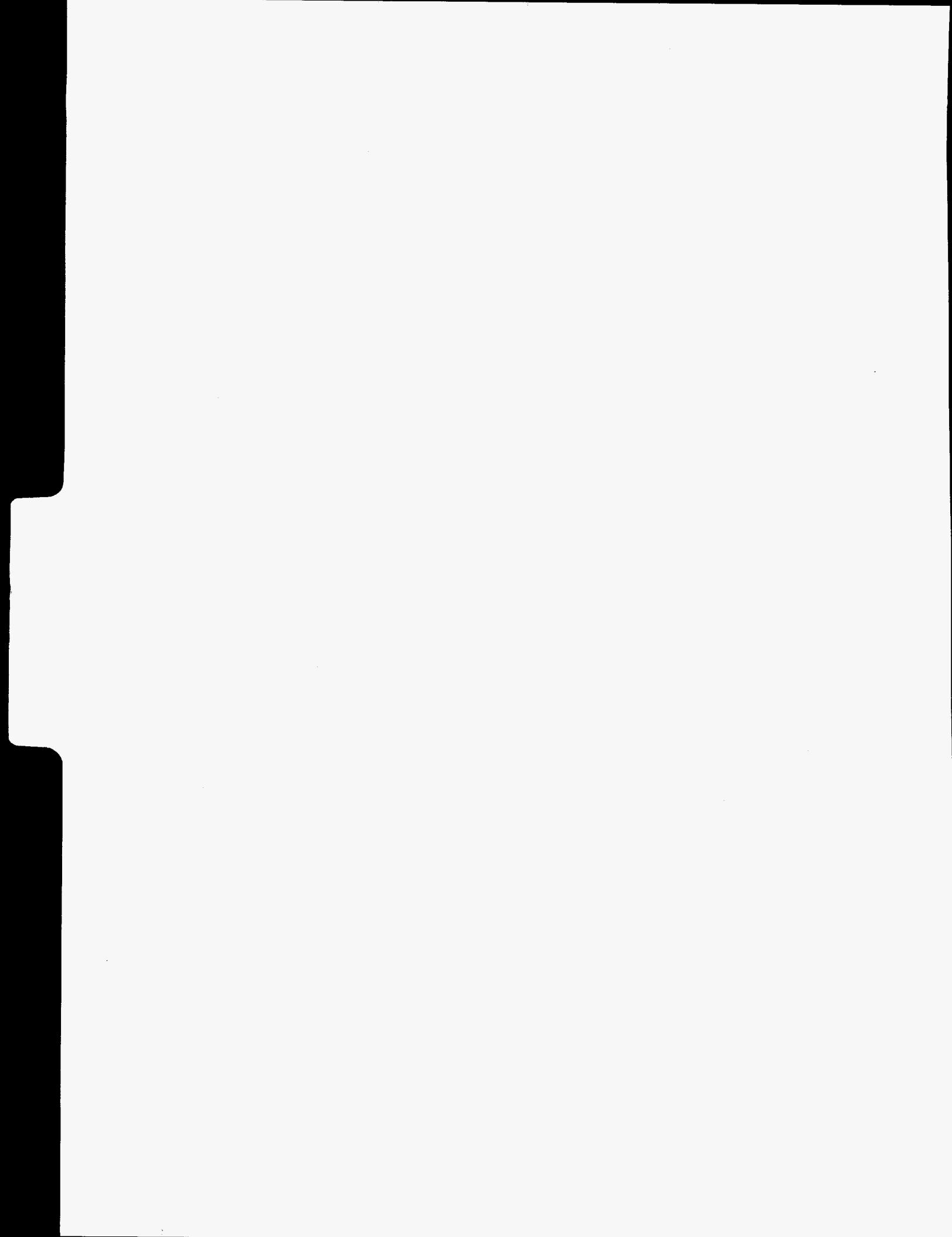
BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG IFC													
Gross Volumes:										1.14E-01			1.14E-01
Gross Weights:										7.76E+04			7.76E+04
TOTAL VOLUMES:										1.14E-01			1.14E-01
TOTAL WEIGHTS:										7.76E+04			7.76E+04

IRC-4

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

NAVAL REACTORS FACILITY, 1993 DETAIL DATA

Report 184—NRF Airborne Release Point And Disposed Substances Summary	NRF-3
Report 185—NRF Liquid Disposed Substances Summary	NRF-4
Report 185—NRF Release Point And Liquid Disposed Substances Summary ...	NRF-5
Report 186—NRF Landfill Solid Disposed Waste Summary	NRF-7
Report 187—NRF Water Usage And Disposal Summary For January Through December 1993	NRF-8
Report 188—NRF Fuel Oil Usage And Stack Effluents Summary	NRF-10
Report 1810—Hazardous Waste Generated By NRF For January–December 1993	NRF-11
Report 1811—Mixed Waste Generated By NRF For January–December 1993	NRF-12



PAGE: 1
SCHED. NO. INRPT007

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

NRF AIRBORNE RELEASE POINT AND DISPOSED SUBSTANCES SUMMARY

RPT 184-I
NRF

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
COOLING TOWERS VOLUME (1000 CM)	13	7	3	11	37	21	25	18	30	17	6	3	191

NRF-3

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

PAGE: 1
SCHED. NO. INRPT008A

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UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

NRF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 185-1
NRF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
BENZOTRIAZOLE WEIGHT (KGS)	14	19	24	14	16	26	19	20	20	11	14	14	212
CALCIUM ION WEIGHT (KGS)	13	15	19	24	25	26	33	29	25	18	16	11	253
CHLORIDE ION WEIGHT (KGS)	8,732	9,220	6,341	7,144	5,397	14,982	14,335	7,812	8,391	5,070	5,207	6,280	98,910
HYPOCHLORITE ION WEIGHT (KGS)	33	38	50	60	64	68	84	75	64	45	40	29	650
PHOSPHATE ION WEIGHT (KGS)	78	43	86	69	60	107	96	53	101	69	62	51	873
SODIUM HYDROXIDE WEIGHT (KGS)	43	58	72	43	49	78	57	60	60	33	41	41	636
SODIUM ION WEIGHT (KGS)	3,752	6,354	5,128	3,834	2,553	11,490	8,674	4,355	4,993	5,671	5,364	3,545	65,715
SULFATE ION WEIGHT (KGS)	10,531	7,978	12,932	10,807	10,795	16,061	22,054	9,607	21,775	12,202	14,003	10,484	159,229

NRF-4

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

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

NRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 185-I
NRF

RELEASE POINT DESCRIPTION SUBSTANCE	NRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY												ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEWAGE POND VOLUME (1000 L) PH	SURFACE 3,258 9.7	2,985 9.7	4,031 8.5	3,454 8.6	4,327 10.5	4,035 9.4	4,539 10.5	4,542 9.7	4,247 9.8	3,835 10.9	3,080 9.5	2,981 8.7	45,315 9.6
WASTE DITCH VOLUME (1000 L) PH	SURFACE 52,920 7.6	47,772 8.2	49,929 7.4	61,059 7.6	51,898 7.4	63,481 7.8	73,512 7.9	44,895 7.7	69,349 7.7	42,964 7.5	39,444 7.5	50,649 7.5	647,871 7.7
BENZOTRIAZOLE CONC. (MG/L) WEIGHT (KGS)	0.27 14	0.41 19	0.48 24	0.24 14	0.31 16	0.41 26	0.26 19	0.44 20	0.29 20	0.25 11	0.35 14	0.27 14	0.33 212
ALCIUM ION CONC. (MG/L) WEIGHT (KGS)	0.24 13	0.31 15	0.39 19	0.39 24	0.48 25	0.41 26	0.45 33	0.65 29	0.36 25	0.41 18	0.40 16	0.22 11	0.39 253
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)	165.00 8,732	193.00 9,220	127.00 6,341	117.00 7,144	104.00 5,397	236.00 14,982	195.00 14,335	174.00 7,812	121.00 8,391	118.00 5,070	132.00 5,207	124.00 6,280	152.67 98,910
HYPOCHLORITE ION CONC. (MG/L) WEIGHT (KGS)	0.63 33	0.79 38	1.00 50	0.99 60	1.24 64	1.06 68	1.14 84	1.67 75	0.92 64	1.06 45	1.02 40	0.57 29	1.00 650
PHOSPHATE ION CONC. (MG/L) WEIGHT (KGS)	1.47 78	0.89 43	1.72 86	1.13 69	1.15 60	1.69 107	1.31 96	1.17 53	1.45 101	1.60 69	1.56 62	1.01 51	1.35 873
SODIUM HYDROXIDE CONC. (MG/L) WEIGHT (KGS)	0.82 43	1.22 58	1.44 72	0.71 43	0.94 49	1.22 78	0.78 57	1.33 60	0.86 60	0.76 33	1.05 41	0.82 41	0.98 636

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

25-JUN-94

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

NRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 185-I
NRF

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
WASTE DITCH	SURFACE												
SODIUM ION													
CONC. (MG/L)	70.90	133.00	102.70	62.80	49.20	181.00	118.00	97.00	72.00	132.00	136.00	70.00	101.43
WEIGHT (KGS)	3,752	6,354	5,128	3,834	2,553	11,490	8,674	4,355	4,993	5,671	5,364	3,545	65,715
SULFATE ION													
CONC. (MG/L)	199.00	167.00	259.00	177.00	208.00	253.00	300.00	214.00	314.00	284.00	355.00	207.00	245.77
WEIGHT (KGS)	10,531	7,978	12,932	10,807	10,795	16,061	22,054	9,607	21,775	12,202	14,003	10,484	159,229

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. INRPT009

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

NRF LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 186-I
NRF

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS			18.4	48.9		0.4		67.3			42.8		177.8
ASPHALT			2.3	87.9	1.5	8.4	18.0	48.2	119.3	11.5			297.0
CAFETERIA GARBAGE	94.8	97.9	122.3	119.3	114.7	79.5	74.9	85.6	79.5	78.0	64.2	91.8	1,102.6
DIRT AND GRAVEL				344.1	438.1	92.5	108.6	104.0	93.3	248.5	7.6		1,436.7
MASONRY AND CONCRETE	0.8		9.9	916.0	57.7	9.9	38.6	83.3	68.0	26.0	7.6		1,218.0
SCRAP METAL	9.2	11.5	29.8	79.1	68.0	23.7	24.5	15.3	26.8	15.3	63.1	3.1	369.3
TRASH, SWEEPINGS, ETC.	857.9	838.0	861.7	880.1	723.3	820.8	916.0	733.6	725.2	823.5	770.0	593.7	9,543.7
WEEDS, GRASS AND TREES					9.6	10.7							20.3
WOOD AND SCRAP LUMBER 1001 THRU 1007	13.0	34.4	43.6	42.8	35.2	17.6	46.6	19.9	19.9	19.9	92.5	17.6	402.9
COLOR CODED							6.9						6.9
COLOR CODED ITEMS							12.2	4.6					16.8
COLORCODED			87.2				6.1						6.1
FIBERGLASS			44.3										44.3
OILY WASTE, OIL BOOMS							6.1						6.1
PLASTIC DRUM & PLASTIC			6.1										6.1
GRAND TOTALS:	975.6	987.9	1,219.5	2,527.8	1,438.6	1,063.6	1,258.5	1,161.8	1,132.0	1,222.6	1,047.9	706.1	14,741.9

NR-7

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. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
NRF WATER USAGE AND DISPOSAL SUMMARY

RPT 187-I
NRF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.													ANNUAL TOT VOL/WEIGHT	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg Conc	
WATER DATA														
001 WATER PUMPED (L)	4	197	11	38	14,899	8,453	8,987	6,147	859	1,446	382	5,110	46,534	
002 WATER PUMPED (L)	34,784	38,043	34,141	48,150	51,216	46,750	61,134	24,707	63,481	40,239	20,661	25,563	488,869	
003 WATER PUMPED (L)	11	15	11	1,215	174	49	1,454	19	64	11	64	19	3,108	
004 WATER PUMPED (L)	34,595	19,499	22,519	25,919	26,468	33,667	31,854	36,109	38,043	22,523	27,452	26,059	344,706	
WATER PUMPED (L)	69,394	57,754	56,683	75,322	92,757	88,919	103,428	66,983	102,448	64,219	48,559	56,751	883,217	
WATER DISPOSED														
AIR (L)	13,226	6,992	2,708	10,811	36,529	21,418	25,377	17,542	30,090	17,390	6,019	3,107	191,209	
SURFACE (L)	52,920	47,772	49,929	61,059	51,898	63,481	73,512	44,895	69,349	42,964	39,444	50,649	647,871	
SUBSURFACE (L)														
SEWAGE DATA														
722 BUILD VOL (L)	3,258	2,985	4,031	3,454	4,327	4,035	4,539	4,542	4,247	3,835	3,080	2,981	45,315	
BIOCHEMICAL OXYGEN DEMAND (BOD)														
RAW CONC. (MG/L)														
FINAL CONC. (MG/L)	43.0	67.0	22.0	22.0	25.0	23.0	24.0	20.0	20.0	18.0	18.0	36.0	28.2	
% REMOVED														
DISSOLVED OXYGEN (DO)														
RAW CONC. (MG/L)														
FINAL CONC. (MG/L)	5.7	3.8	2.9	19.6	13.7	5.4	8.7	9.0	21.4	15.7	4.2	0.6	9.2	
INCREASED FACTOR														
SETTLEABLE SOLIDS (SS)														
RAW CONC. (ML/L)														
FINAL CONC. (ML/L)														
% REMOVED														
PH FINAL	9.7	9.7	8.5	8.6	10.5	9.4	10.5	9.7	9.8	10.9	9.5	8.7	9.6	
TOTAL SEWAGE(L)	3,258	2,985	4,031	3,454	4,327	4,035	4,539	4,542	4,247	3,835	3,080	2,981	45,315	

NRF-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

PAGE: 2
SCHED. NO. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
NRF WATER USAGE AND DISPOSAL SUMMARY

RPT 187-I
NRF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.													ANNUAL TOT VOL/WEIGHT	DEC AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
TOTAL WATER DISPOSED(L)	69,404	57,749	56,669	75,324	92,754	88,934	103,428	66,979	103,686	64,189	48,543	56,736	884,395	
ACCOUNTABILITY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	101.2	100.0	100.0	100.0	100.1	

NRF-9

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

PAGE: 1
SCHED. NO. INRPT011

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

NRF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 188-I
NRF

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 5													
VOLUME (LITERS)	488	424	351	231	60				14	216	383	394	2,561
SO2 (KGS)	9	10	6	4	0				0	1	1	7	39
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	488	424	351	231	60				14	216	383	394	2,561
SO2 (KGS)	9	10	6	4	0				0	1	1	7	39
NOX (KGS)													
PARTICULATES (KGS)													

NRF 10

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

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

25-JUN-94

HAZARDOUS WASTE GENERATED BY NRF
FOR January - December 1993

RPT 1810-1
NRF

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG A1W													
Gross Volumes:	1.71E+00	8.67E-01			4.92E-01	8.52E-01		4.16E-01		1.14E-01	1.27E+00	9.73E-01	6.69E+00
Gross Weights:	1.17E+06	5.77E+05			3.59E+05	5.66E+05		2.59E+05		8.12E+04	1.34E+06	6.35E+05	4.99E+06
BLDG ADM													
Gross Volumes:											1.14E-01	1.19E-02	1.25E-01
Gross Weights:											5.81E+04	3.18E+03	6.12E+04
BLDG ECF													
Gross Volumes:						2.08E-01		1.14E-01		1.14E-01	3.22E-01		7.57E-01
Gross Weights:						3.36E+04		4.54E+04		4.85E+04	2.02E+05		3.29E+05
BLDG PRD													
Gross Volumes:	1.44E-01	2.27E-01			1.14E-01	3.52E-01		1.61E+00			7.68E-01		3.21E+00
Gross Weights:	7.26E+04	9.16E+04			5.90E+04	1.89E+05		1.15E+06			6.88E+05		2.25E+06
BLDG QAR													
Gross Volumes:		3.14E-01				3.14E-01		6.28E-01					1.26E+00
Gross Weights:		2.29E+05				2.02E+05		4.29E+05					8.60E+05
BLDG S1W													
Gross Volumes:						1.21E-01							1.21E-01
Gross Weights:						7.80E+04							7.80E+04
BLDG S5G													
Gross Volumes:	2.27E-01	3.41E-01			4.54E-01	1.44E-01		6.85E-01		1.14E-01	5.98E-01	3.22E-01	2.88E+00
Gross Weights:	1.21E+05	1.81E+05			2.66E+05	8.53E+04		4.21E+05		8.35E+04	3.35E+05	1.18E+05	1.61E+06
BLDG TRN								2.08E-01					
Gross Volumes:								9.03E+04					2.08E-01
Gross Weights:													9.03E+04
TOTAL VOLUMES:	2.08E+00	1.75E+00			1.06E+00	1.99E+00		3.66E+00		3.41E-01	3.07E+00	1.31E+00	1.53E+01
TOTAL WEIGHTS:	1.36E+06	1.08E+06			6.84E+05	1.15E+06		2.39E+06		2.13E+05	2.62E+06	7.57E+05	1.03E+07

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

Page: 1
Sched. No. INRPT013A

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

25-JUN-94

MIXED WASTE GENERATED BY NRF
FOR January - December 1993

RPT 1811-I
NRF

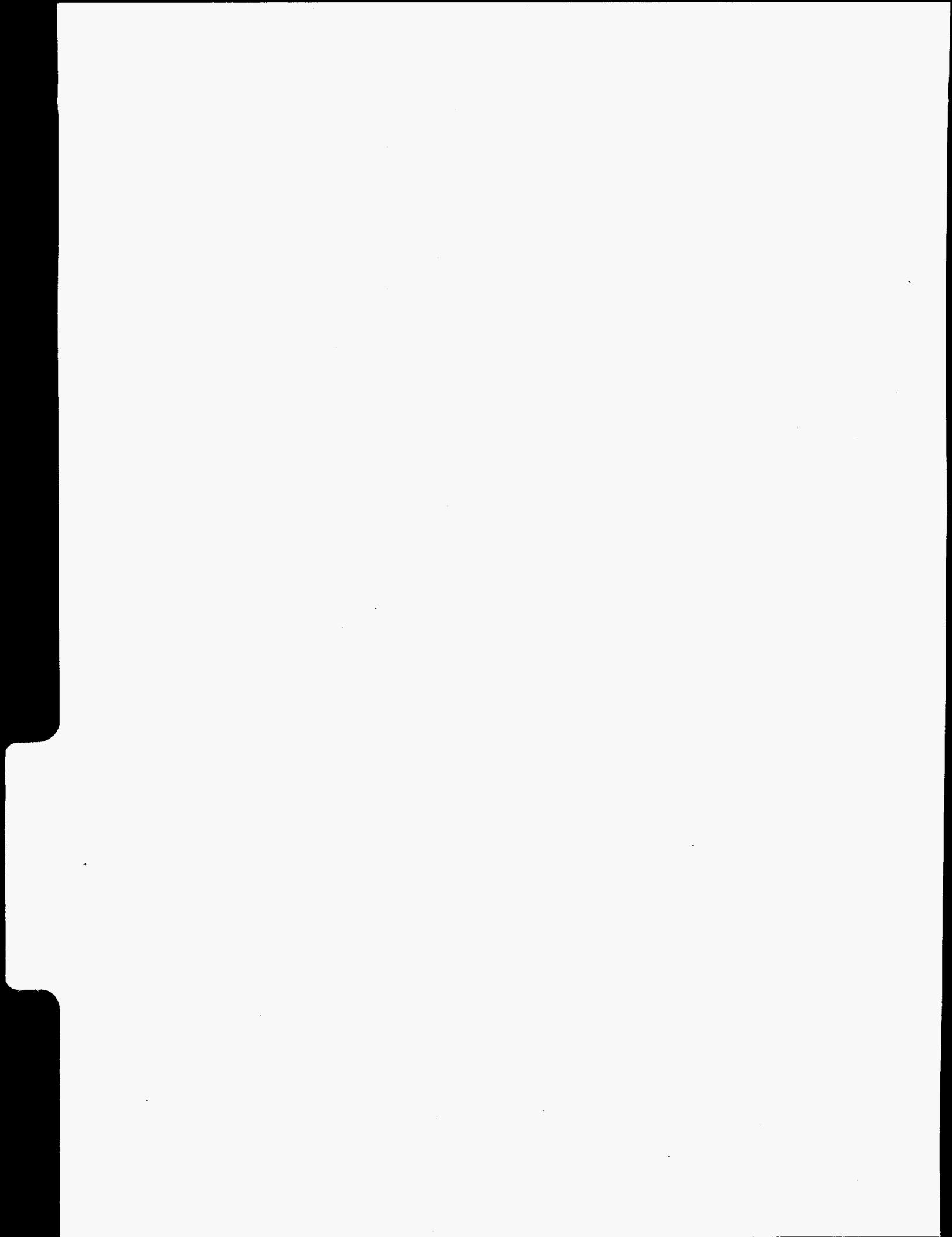
BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG ECF													
Gross Volumes:				2.08E-01									2.08E-01
Gross Weights:				4.04E+04									4.04E+04
TOTAL VOLUMES:				2.08E-01									2.08E-01
TOTAL WEIGHTS:				4.04E+04									4.04E+04

NRF-12

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

POWER BURST FACILITY, 1993 DETAIL DATA

Report 195—PBF Liquid Disposed Substances Summary	PBF-3
Report 195—PBF Release Point And Liquid Disposed Substances Summary	PBF-5
Report 196—PBF Landfill Solid Disposed Waste Summary	PBF-9
Report 197—PBF Water Usage And Disposal Summary For January Through December 1993	PBF-10
Report 198—PBF Fuel Oil Usage And Stack Effluents Summary	PBF-12
Report 1910—Hazardous Waste Generated By PBF For January–December 1993	PBF-13
Report 1911—Mixed Waste Generated By PBF For January–December 1993	PBF-14



PAGE: 1
SCHED. NO. INRPT008A

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

PBF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-I
PBF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION WEIGHT (KGS)		1			0								1
ETHYLEDIAMIINE TETRAACETIC ACID WEIGHT (KGS)		0			0						1		1
HEDP WEIGHT (KGS)		3			0								4
HYDROXYCARBONS WEIGHT (KGS)		8			1								9
JANITORIAL SUPPLIES WEIGHT (KGS)	12	6	14	14	12	9	8	12	18	12	12	9	64
MOLYBDATE SALT WEIGHT (KGS)		0											0
N-HYDROCARBON WEIGHT (KGS)		39			5								44
NITRITE SALT WEIGHT (KGS)		0											0
PHOSPHATE WEIGHT (KGS)		8			1								8
POLYACRYLATE WEIGHT (KGS)		7			1								8
POLYACRYLATE ACID WEIGHT (KGS)		0											0
POTASSIUM HYDROXIDE WEIGHT (KGS)	0				0					1			1
POTASSIUM ION WEIGHT (KGS)		1			0								1

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 1993

25-JUN-94

PBF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-I
PBF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
SALT OF EDTA WEIGHT (KGS)				0									0
SODIUM HYDROXIDE WEIGHT (KGS)				0									0
SODIUM ION WEIGHT (KGS)	33	2			0						1	0	35
SODIUM LIGNOSULFONATE WEIGHT (KGS)	0				0						1		1
SULFATE ION WEIGHT (KGS)		7											7
SULFITE ION WEIGHT (KGS)	0				0						1	0	2
TOLYTRIAZOLE WEIGHT (KGS)		1			0								1

PBF-4

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

PAGE: 1
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-I
PBF

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DRAINAGE BOILER VOLUME (1000 L) PH	SURFACE 4			4							4	4	15
ETHYLENEDIAMINE TETRAACETIC ACID													
CONC. (MG/L)	49.85				24.92						149.54		56.08
WEIGHT (KGS)	0				0						1		1
POTASSIUM HYDROXIDE													
CONC. (MG/L)	49.85			24.92							149.54		56.08
WEIGHT (KGS)	0			0							1		1
SODIUM ION													
CONC. (MG/L)	117.64			66.09							264.43	46.23	123.60
WEIGHT (KGS)	0			0							1	0	2
SODIUM LIGNOSULFONATE													
CONC. (MG/L)	49.85			24.92							149.54		56.08
WEIGHT (KGS)	0			0							1		1
SULFITE ION													
CONC. (MG/L)	128.67			64.33							257.34	80.43	132.69
WEIGHT (KGS)	0			0							1	0	2
EVAPORATION POND VOLUME (1000 L) PH	SURFACE 45	19		23									87
CHLORIDE ION													
CONC. (MG/L)	61.90			6.64									15.19
WEIGHT (KGS)	1			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

PBF-5

PAGE: 2
SCHED. NO. INRPT008

28-JUN-94

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-I
PBF

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
EVAPORATION POND SURFACE													
HEDP													
CONC. (MG/L)	176.00				17.48								42.82
WEIGHT (KGS)		3			0								4
HYDROXYCARBONS													
CONC. (MG/L)	442.16				47.43								108.49
WEIGHT (KGS)		8			1								9
MOLYBDATE SALT													
CONC. (MG/L)	15.19												3.30
WEIGHT (KGS)		0											0
N-HYDROCARBON													
CONC. (MG/L)	2060.46				221.03								505.59
WEIGHT (KGS)		39			5								44
NITRITE SALT													
CONC. (MG/L)	22.79												4.95
WEIGHT (KGS)		0											0
PHOSPHATE													
CONC. (MG/L)	400.40				39.76								97.42
WEIGHT (KGS)		8			1								8
POLYACRYLATE													
CONC. (MG/L)	368.47				31.84								88.41
WEIGHT (KGS)		7			1								8
POLYACRYLATE ACID													
CONC. (MG/L)	1.52												0.33
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

PBF-6

PAGE: 3
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-I
PBF

RELEASE POINT DESCRIPTION SUBSTANCE	PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY												ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
EVAPORATION POND SURFACE													
POTASSIUM ION													
CONC. (MG/L)	63.36				6.29								15.41
WEIGHT (KGS)	1				0								1
SALT OF EDTA													
CONC. (MG/L)	1.52												0.33
WEIGHT (KGS)	0												0
SODIUM HYDROXIDE													
CONC. (MG/L)	1.52												0.33
WEIGHT (KGS)	0												0
SODIUM ION													
CONC. (MG/L)	717.71	99.00			9.83								398.54
WEIGHT (KGS)	33	2			0								35
SULFATE ION													
CONC. (MG/L)	158.37												82.63
WEIGHT (KGS)	7												7
TOLYTRIAZOLE													
CONC. (MG/L)	45.52			4.37									11.04
WEIGHT (KGS)	1			0									1
SEPTIC TANK (PBF) SUBSURFACE													
VOLUME (1000 L)	669	282	184	246	256	657	473	685	135	137	591	377	4,692
PH													
JANITORIAL SUPPLIES													
CONC. (MG/L)	8.13	11.25	37.00	27.63	30.15	6.90	7.67	10.60	67.07	56.27	13.06	12.03	15.85
WEIGHT (KGS)	5	3	7	7	8	5	4	7	9	8	8	5	74

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: 4
SCHED. NO. INRPT008

28-JUN-94

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

PBF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 195-I
PBF

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SEPTIC TANK (WERF) VOLUME (1000 L) PH	SUBSURFACE 335	141	368	123	128	329	237	251	68	274	303	188	2,744
JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)	18.98 6	22.50 3	18.50 7	55.25 7	35.46 5	13.80 5	19.18 5	18.04 5	134.18 9	16.55 5	14.98 5	24.07 5	23.31 64

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. INRPT009

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

PBF LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 196-I
PBF

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DIRT AND GRAVEL										0.4			0.4
MASONRY AND CONCRETE			3.8			1.5			0.8		0.4		6.5
SCRAP METAL	0.4	5.0	19.1	3.8		0.8	3.8	3.4	3.1	1.1	1.9	1.5	44.0
TRASH, SWEEPINGS, ETC.	77.2	55.8	134.6	74.9	62.7	73.0	48.9	43.6	94.0	93.3	44.3	71.1	873.6
WEEDS, GRASS AND TREES				0.4		0.8		0.8					1.9
WOOD AND SCRAP LUMBER	0.4	1.9	3.4	2.3	3.1	2.3	1.5	0.8	0.4	2.3	0.8	1.1	20.3
CHEMICALS			0.4										0.4
COLOR CODED		0.8						0.4					1.1
HEPA FILTERS			1.5										1.5
GRAND TOTALS:	78.8	64.2	161.3	81.4	65.8	77.6	55.1	48.9	98.3	97.1	47.4	73.8	949.6

PBF-9

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. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
PBF WATER USAGE AND DISPOSAL SUMMARY

RPT 197-1
PBF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

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

WATER DATA

001 WATER PUMPED (L)	50	124	529	387	564	1,825	1,314	1,854	1,854	758	1,664	1,046	11,969
002 WATER PUMPED (L)	136	660	492	297	146	28			48	3	19	2	1,832
WATER PUMPED (L)	186	784	1,022	684	711	1,854	1,314	1,854	1,903	761	1,682	1,047	13,801

WATER DISPOSED

AIR (L)	56	235	307	205	213	556	394		113	228	505	314	3,126
SURFACE (L)													
SUBSURFACE (L)													

SEWAGE DATA

619 BUILD VOL (L)	335	141	184	123	128	329	237	251	425	137	303	188	2,780
-------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

BIOCHEMICAL OXYGEN DEMAND (BOD)

RAW CONC. (MG/L)

FINAL CONC. (MG/L)

% REMOVED

DISSOLVED OXYGEN (DO)

RAW CONC. (MG/L)

FINAL CONC. (MG/L)

INCREASED FACTOR

SETTLEABLE SOLIDS (SS)

RAW CONC. (ML/L)

FINAL CONC. (ML/L)

% REMOVED

PH FINAL

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

PBF-10

PAGE: 2
SCHED. NO. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
PBF WATER USAGE AND DISPOSAL SUMMARY

RPT 197-I
PBF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
620 BUILD VOL (L)	669	282	368	246	256	657	473	685	668	274	591	377	5,546
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)	1,004	423	552	369	384	986	710	936	1,092	411	893	565	8,326
TOTAL WATER DISPOSED(L)	1,060	659	858	575	597	1,542	1,104	936	1,205	639	1,398	880	11,452
ACCOUNTABILITY (%)	570.1	84.0	84.0	84.0	84.0	83.2	84.0	50.5	63.3	84.0	83.1	84.0	83.0

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

PBF-11

PAGE: 1
SCHED. NO. INRPT011

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

PBF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 198-I
PBF

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	17	25	0								3	10	56
SO2 (KGS)	0	0	0								0	0	0
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	17	25	0								3	10	56
SO2 (KGS)	0	0	0								0	0	0
NOX (KGS)													
PARTICULATES (KGS)													

PBF-12

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

Page: 1
Sched. No. INRPT013

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

25-JUN-94

HAZARDOUS WASTE GENERATED BY PBF
FOR January - December 1993

RPT 1910-I
PBF

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 601													
Gross Volumes:													7.57E-02
Gross Weights:													1.61E+05
TOTAL VOLUMES:													7.57E-02
TOTAL WEIGHTS:													1.61E+05
													7.57E-02
													1.61E+05

PBF-13

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

Page: 1
Sched. No. INRPT013A

25-JUN-94

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

MIXED WASTE GENERATED BY PBF
FOR January - December 1993

RPT 1911-1
PBF

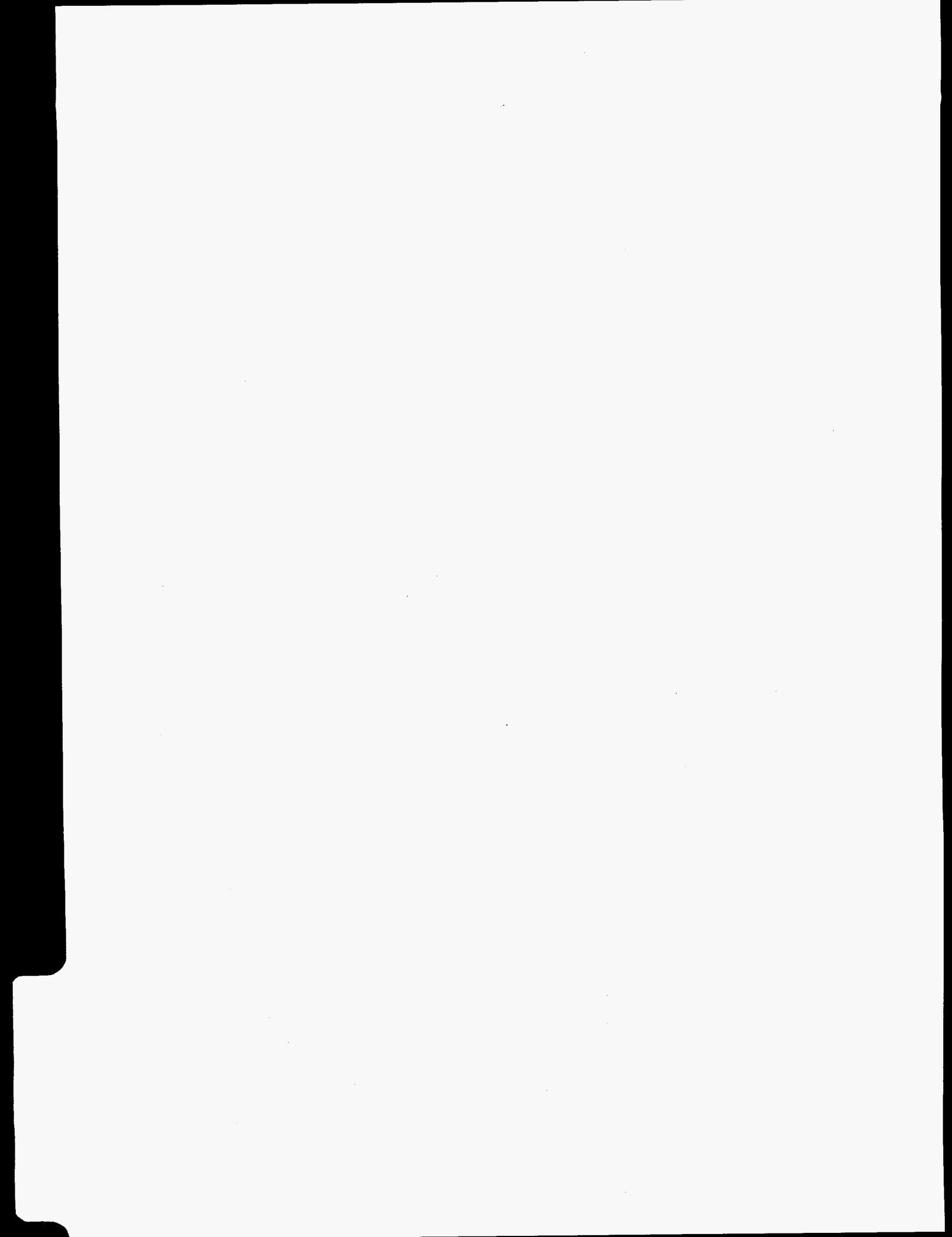
BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 632													
Gross Volumes:	4.16E-01	4.16E-01											8.33E-01
Gross Weights:	1.54E+05	1.13E+05											2.67E+05
TOTAL VOLUMES:	4.16E-01	4.16E-01											8.33E-01
TOTAL WEIGHTS:	1.54E+05	1.13E+05											2.67E+05

PBF-14

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

PROTECTION TECHNOLOGY IDAHO, 1993 DETAIL DATA

Report 10—Hazardous Waste Generated By PTI For
January–December 1993 PTI-3



Page: 1
Sched. No. INRPT013

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

25-JUN-94

HAZARDOUS WASTE GENERATED BY PTI
FOR January - December 1993

RPT 10-1
PTI

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 608													
Gross Volumes:						2.02E+00				4.24E+00			6.26E+00
Gross Weights:						3.06E+05				6.80E+05			9.87E+05
TOTAL VOLUMES:						2.02E+00				4.24E+00			6.26E+00
TOTAL WEIGHTS:						3.06E+05				6.80E+05			9.87E+05

PTI-3

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

RADIOACTIVE WASTE MANAGEMENT COMPLEX, 1993 DETAIL DATA

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

Report 257—WMC Water Usage And Disposal Summary For January
Through December 1993 WMC-4



PAGE: 1
SCHED. NO. INRPT009

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

WMC LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 256-I
WMC

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASPHALT			91.8					0.8					92.5
DIRT AND GRAVEL								1.1					1.1
MASONRY AND CONCRETE				0.4	0.8			6.5					8.0
SCRAP METAL	3.4			4.6	2.3	5.0		13.8	14.9	6.1		3.8	53.9
TRASH, SWEEPINGS, ETC.	33.6	47.4	39.8	65.0	43.6	74.2	71.5	72.3	69.2	94.4	68.4	55.1	734.4
WOOD AND SCRAP LUMBER				1.1		9.9	0.8	1.5	2.3	8.4	0.4		24.5
COLOR CODED HERULITE							0.4						0.4
FIBER DRUMS								6.1					6.1
GRAND TOTALS:	37.1	47.4	131.5	71.1	46.6	89.1	72.6	102.1	86.4	109.3	68.8	58.9	921.0

WMC-3

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. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
WMC WATER USAGE AND DISPOSAL SUMMARY

RPT 257-1
WMC

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT	AVG CONC
WMC WATER PUMPED (L)	472	438	884	1,181	932	1,491	2,297	2,354	5,095	1,090	1,100	2,075	19,411	
WATER PUMPED (L)	472	438	884	1,181	932	1,491	2,297	2,354	5,095	1,090	1,100	2,075	19,411	
WATER DISPOSED														
AIR (L)														
SURFACE (L)														
SUBSURFACE (L)														
SEWAGE DATA														
WMC BUILD VOL (L)	80	74	150	248	158	253	391	376	968	229	209	374	3,511	
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)	80	74	150	248	158	253	391	376	968	229	209	374	3,511	
TOTAL WATER DISPOSED(L)	80	74	150	248	158	253	391	376	968	229	209	374	3,511	
ACCOUNTABILITY (%)	17.0	17.0	17.0	21.0	17.0	17.0	17.0	16.0	19.0	21.0	19.0	18.0	18.1	

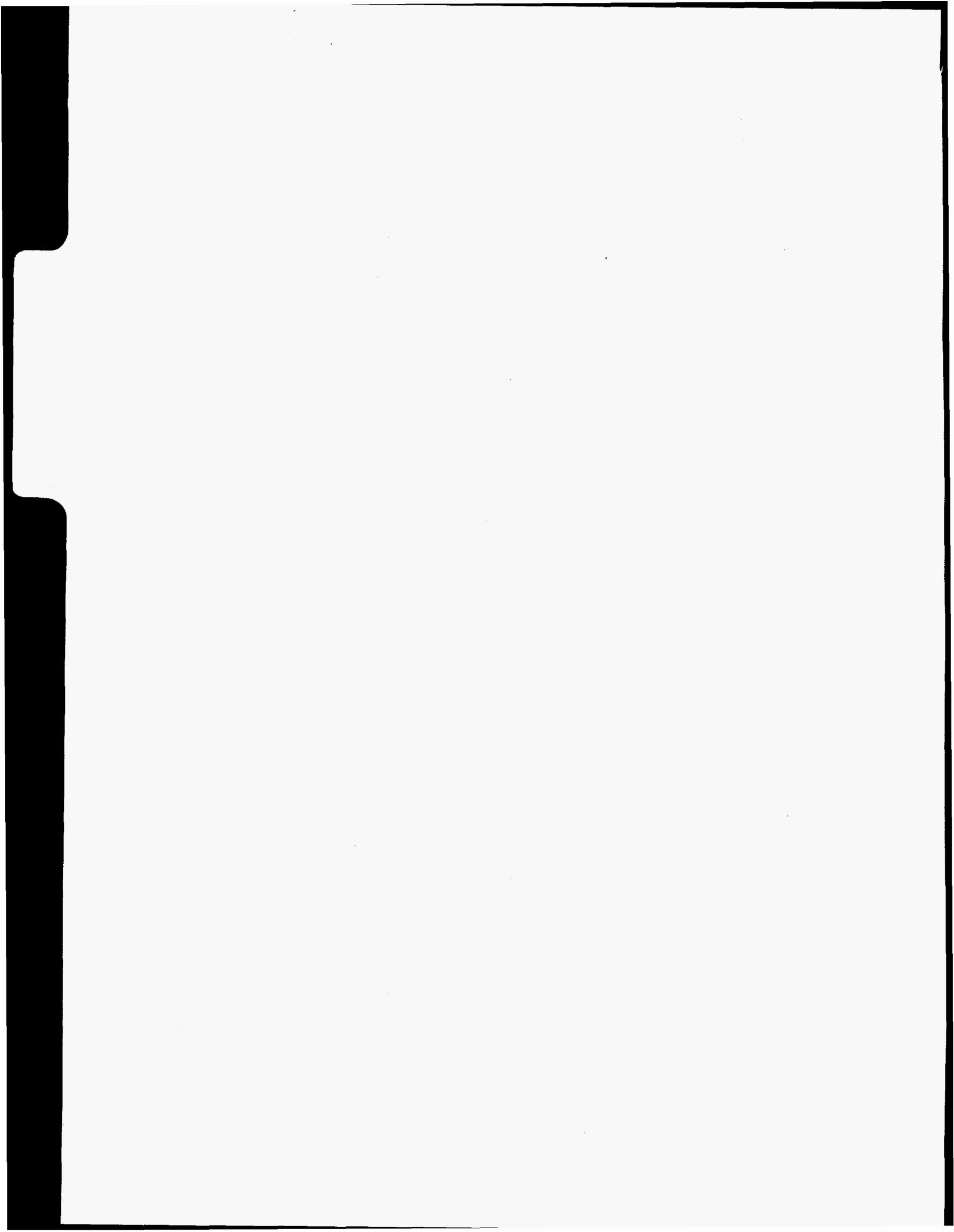
DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
0.0 IN A COLUMN INDICATES A TOTAL OF < 0.05
0.00 IN A COLUMN INDICATES A TOTAL OF < 0.005

WMC-1

SPECIAL MANUFACTURING CAPABILITY, 1993 DETAIL DATA

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

Report 2710—Hazardous Waste Generated By SMC For January–December
1993 SMC-4



PAGE: 1
SCHED. NO. INRPT011

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

SMC FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 278-I
SMC

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	315	277	236	180	81	83	65	66	85	148	255	295	2,085
SO2 (KGS)	2	1	1	1	0	0	0	0	0	1	1	2	11
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	315	277	236	180	81	83	65	66	85	148	255	295	2,085
SO2 (KGS)	2	1	1	1	0	0	0	0	0	1	1	2	11
NOX (KGS)													
PARTICULATES (KGS)													

SMC-3

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

Page: 1
Sched. No. INRPT013

25-JUN-94

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

HAZARDOUS WASTE GENERATED BY SMC
FOR January - December 1993

RPT 2710-I
SMC

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG B+W													
Gross Volumes:		1.67E+00						1.06E+00					2.73E+00
Gross Weights:		5.76E+05						3.44E+05					9.19E+05
TOTAL VOLUMES:		1.67E+00						1.06E+00					2.73E+00
TOTAL WEIGHTS:		5.76E+05						3.44E+05					9.19E+05

SMC-4

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

TEST AREA NORTH, 1993 DETAIL DATA

Report 216—TAN Landfill Solid Disposed Waste Summary	TAN-3
Report 2110—Hazardous Waste Generated By TAN For January–December 1993	TAN-4
Report 2111—Mixed Waste Generated By TAN For January–December 1993	TAN-5



PAGE: 1
SCHED. NO. INRPT009

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

TAN LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 216-1
TAN

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASBESTOS	30.6								4.6				35.2
ASPHALT				2.3				4.6			1.5		8.4
CAFETERIA GARBAGE						9.2							9.2
DIRT AND GRAVEL	6.1			42.8	24.5						6.1		79.5
MASONRY AND CONCRETE				0.8	26.0	120.8	4.6	9.9		2.3	1.5		165.9
SCRAP METAL	8.4	3.1	10.3	37.5	6.9	26.8	7.6	16.1	12.2	9.9		27.5	166.3
TRASH, SWEEPINGS, ETC.	136.1	143.7	245.1	162.5	161.7	173.6	180.4	149.1	180.8	225.9	210.6	142.2	2,111.8
WOOD AND SCRAP LUMBER			29.1	9.2	13.0	1.5	31.3	39.8			16.8	13.8	154.4
CAFETERIA GREASE						0.8							0.8
FIBER GLAS (GRP)							7.6						7.6
FIBER GLASS		13.0											13.0
FIBER GLASS (GRP)							7.6						7.6
FIBERGLASS	29.8		30.6					6.1					66.5
PLASTIC RAD SIGNS			0.4										0.4
PPE'S		1.5											1.5
RAD SIGNS			0.4										0.4
SALINE SOLUTION							1.5						1.5
SAMPLE BOTTLES							0.8						0.8
GRAND TOTALS:	211.0	161.3	315.8	255.0	232.1	332.6	246.2	221.0	197.6	238.2	236.6	183.5	2,830.9

TAN-3

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. INRPT013

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

25-JUN-94

HAZARDOUS WASTE GENERATED BY TAN
FOR January - December 1993

RPT 2110-1
TAN

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 603													
Gross Volumes:				3.03E-02	3.03E-02								6.06E-02
Gross Weights:				9.07E+03	1.22E+04								2.13E+04
BLDG 607													
Gross Volumes:													2.08E-01
Gross Weights:													1.14E+05
TOTAL VOLUMES:				3.03E-02	3.03E-02								2.08E-01
TOTAL WEIGHTS:				9.07E+03	1.22E+04								1.14E+05
													2.69E-01
													1.36E+05

TAN4

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

Page: 1
Sched. No. INRPT013A

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

25-JUN-94

MIXED WASTE GENERATED BY TAN
FOR January - December 1993

RPT 2111-1
TAN

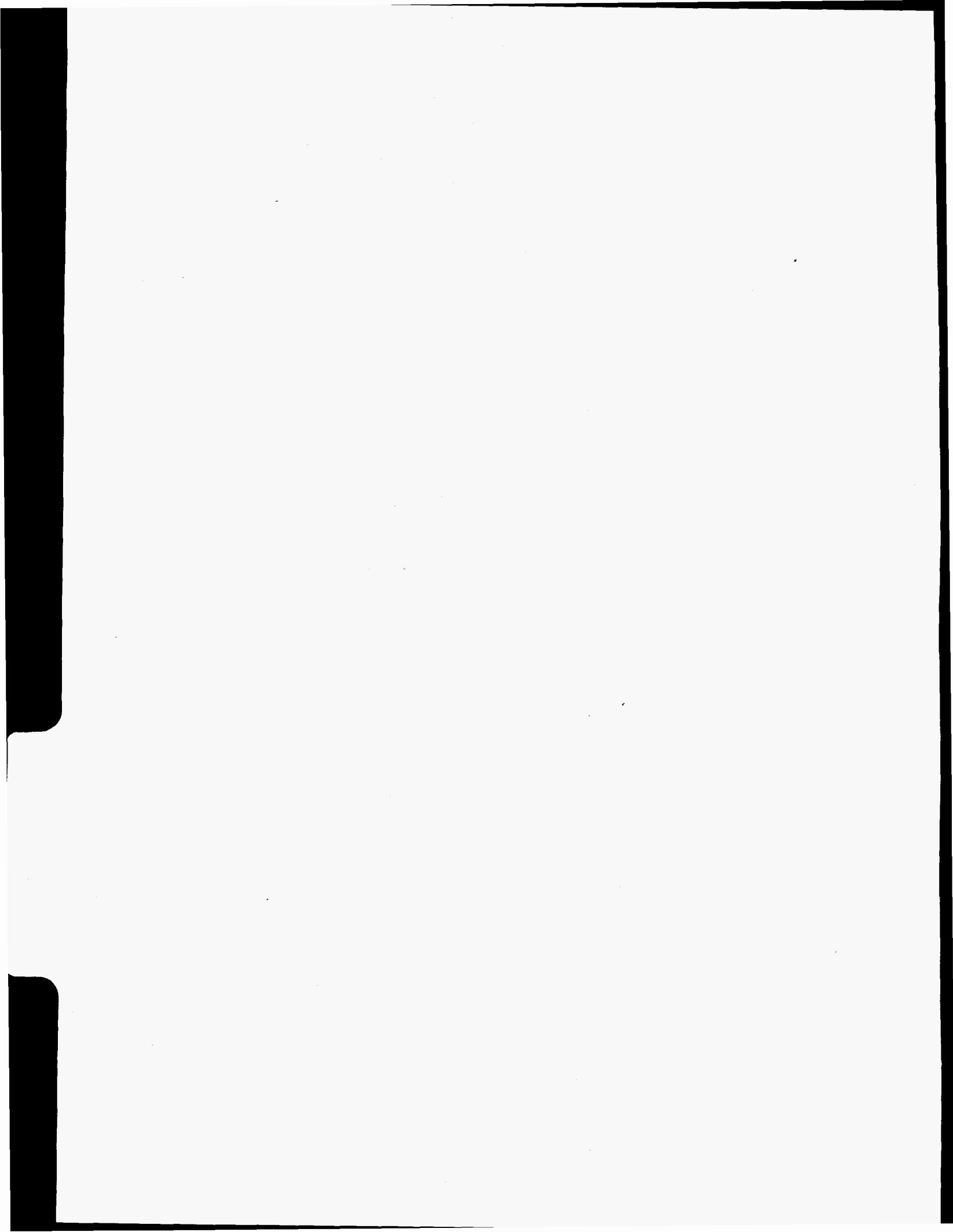
BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
<hr/>													
BLDG 607													
Gross Volumes:					1.53E+00					3.79E-02			1.57E+00
Gross Weights:					3.86E+06					9.07E+03			3.86E+06
TOTAL VOLUMES:					1.53E+00					3.79E-02			1.57E+00
TOTAL WEIGHTS:					3.86E+06					9.07E+03			3.86E+06

TANS

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

TEST REACTOR AREA, 1993 DETAIL DATA

Report 235—TRA Liquid Disposed Substances Summary	TRA-3
Report 235—TRA Release Point And Liquid Disposed Substances Summary ...	TRA-5
Report 236—TRA Landfill Solid Disposed Waste Summary	TRA-9
Report 237—TRA Water Usage And Disposal Summary For January Through December 1993	TRA-10
Report 238—TRA Fuel Oil Usage And Stack Effluents Summary	TRA-12
Report 2310—Hazardous Waste Generated By TRA For January–December 1993	TRA-13
Report 2311—Mixed Waste Generated By TRA For January–December 1993	TRA-14



PAGE: 1
SCHED. NO. INRPT008A

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

TRA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-I
TRA

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
(1-HYDROXYETHYLIDENE)BISPHOSPONIC WEIGHT (KGS)	134	113	100	89	27		1,970		34	36	149	203	2,856
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN WEIGHT (KGS)	32	39	39	39	13			32	13	32	39	39	317
ACRYLIC POLYMER WEIGHT (KGS)	102	118	83	125	54		25		71	106	150	182	1,017
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE WEIGHT (KGS)	77	77	77	77	26			77	26	51	77	102	663
CHLORIDE ION WEIGHT (KGS)	40	40	40	50	40		50	40	50	40	40	50	476
DODECYLGUANIDINE HYDROCHLORIDE WEIGHT (KGS)	46	46	46	46	15			46	15	31	46	61	398
ETHYL ALCOHOL WEIGHT (KGS)	15	15	15	15	5			15	5	10	15	20	133
IMPURITY WEIGHT (KGS)	2	2	2	2	1			2	1	2	2	2	17
ISOPROPYL ALCOHOL WEIGHT (KGS)	15	15	15	15	5			15	5	10	15	20	133
METHYLENE BIS(THIOCYANATE) WEIGHT (KGS)	15	15	15	15	5			15	5	10	15	20	133
PHOSPHATE ION WEIGHT (KGS)	251	175	61	80	80		116	88	177	93	46	71	1,238
POLYALKYLENE GLYCOL WEIGHT (KGS)	199	199	199	199	66			199	66	133	199	265	1,725
POTASSIUM HYDROXIDE WEIGHT (KGS)	134	113	100	89	27		1,970		34	36	149	203	2,856

TRA-3

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

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UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

TRA LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-I
TRA

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
SILICONE EMULSION WEIGHT (KGS)	3	3	3	3	1			3	1	2	3	4	27
SODIUM HYDROXIDE WEIGHT (KGS)	3	3	3	3	1			3	1	2	3	4	27
SODIUM ION WEIGHT (KGS)	6,491	3,313	6,054	5,030	5,551	5,770	12,990	3,961	9,088	2,912	3,255	32	308
SODIUM TOLYTRIAZOLE WEIGHT (KGS)	134	113	100	89	27		1,970		34	36	149	203	2,856
SULFATE ION WEIGHT (KGS)	20,127	25,925	24,124	20,774	21,143	5,423	22,725	5,929	18,846	12,905	20,728	28,272	96,129
TDS WEIGHT (KGS)	19,986	14,309	21,623	23,345	23,215		33,708	25,508	39,556	29,782	14,776	22,871	268,678
TETRAPOTASSIUM PYROPHOSPHATE WEIGHT (KGS)	336	283	251	222	68		4,924		85	91	371	507	7,140
TOTAL HARDNESS WEIGHT (KGS)	36,476	22,788	14,146	16,779	16,686		24,227	18,334	33,009	20,754	10,158	15,724	229,081
TRIBUTYLtin OXIDE WEIGHT (KGS)	15	15	15	15	5			15	5	10	15	20	133

TRA-4

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

PAGE: 1
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-I
TRA

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CHEMICAL WASTE POND VOLUME (1000 L) PH	SURFACE 2,093	2,040	2,040	2,143	2,093	1,775	2,725	1,510	2,355	1,404	1,760	2,275	24,215
SODIUM ION CONC. (MG/L) WEIGHT (KGS)	3088.54 6,465	1611.16 3,287	2954.52 6,028	2332.74 4,998	2639.51 5,525	3250.06 5,770	4754.39 12,958	2605.25 3,935	3846.11 9,056	2055.49 2,887	1834.67 3,229		2,648.71 64,139
SULFATE ION CONC. (MG/L) WEIGHT (KGS)	4440.17 9,295	5366.00 10,948	8522.26 17,388	2657.92 5,695	8041.98 16,834	3054.56 5,423	8337.80 22,725	3169.42 4,787	8004.23 18,846	3112.03 4,370	2972.35 5,232	4064.66 9,247	5,401.19 130,791
COLD WASTE POND VOLUME (1000 L) PH	SURFACE 75,992 8.0	52,996 7.8	67,361 7.8	72,952 7.8	72,547 7.8	72,191 7.8	105,336 7.8	79,713 7.8	136,399 7.9	93,068 7.8	46,174 7.9	71,472 7.8	946,202 7.8
(1-HYDROXYETHYLIDENE)BISPHOSPONIC CONC. (MG/L) WEIGHT (KGS)	1.77 134	2.14 113	1.49 100	1.22 89	0.38 27		18.70 1,970		0.25 34	0.39 36	3.22 149	2.84 203	3.02 2,856
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN CONC. (MG/L) WEIGHT (KGS)	0.43 32	0.73 39	0.58 39	0.53 39	0.18 13			0.41 32	0.09 13	0.35 32	0.84 39	0.54 39	0.34 317
ACRYLIC POLYMER CONC. (MG/L) WEIGHT (KGS)	1.35 102	2.23 118	1.23 83	1.71 125	0.75 54		0.24 25		0.52 71	1.14 106	3.24 150	2.55 182	1.07 1,017
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE CONC. (MG/L) WEIGHT (KGS)	1.01 77	1.44 77	1.14 77	1.05 77	0.35 26			0.96 77	0.19 26	0.55 51	1.66 77	1.43 102	0.70 663

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 NONRADIOLICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-I
TRA

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
COLD WASTE POND SURFACE													
CHLORIDE ION													
CONC. (MG/L)	0.52	0.75	0.59	0.68	0.55		0.47	0.50	0.36	0.43	0.86	0.69	0.50
WEIGHT (KGS)	40	40	40	50	40		50	40	50	40	40	50	476
DODECYLGUANIDINE HYDROCHLORIDE													
CONC. (MG/L)	0.60	0.87	0.68	0.63	0.21			0.58	0.11	0.33	0.99	0.86	0.42
WEIGHT (KGS)	46	46	46	46	15			46	15	31	46	61	398
ETHYL ALCOHOL													
CONC. (MG/L)	0.20	0.29	0.23	0.21	0.07			0.19	0.04	0.11	0.33	0.29	0.14
WEIGHT (KGS)	15	15	15	15	5			15	5	10	15	20	133
TRA-6 IMPURITY													
CONC. (MG/L)	0.02	0.04	0.03	0.03	0.01			0.02	0.00	0.02	0.04	0.03	0.02
WEIGHT (KGS)	2	2	2	2	1			2	1	2	2	2	17
ISOPROPYL ALCOHOL													
CONC. (MG/L)	0.20	0.29	0.23	0.21	0.07			0.19	0.04	0.11	0.33	0.29	0.14
WEIGHT (KGS)	15	15	15	15	5			15	5	10	15	20	133
METHYLENE BIS(THIOCYANATE)													
CONC. (MG/L)	0.20	0.29	0.23	0.21	0.07			0.19	0.04	0.11	0.33	0.29	0.14
WEIGHT (KGS)	15	15	15	15	5			15	5	10	15	20	133
PHOSPHATE ION													
CONC. (MG/L)	3.30	3.30	0.90	1.10	1.10		1.10	1.10	1.30	1.00	1.00	1.00	1.31
WEIGHT (KGS)	251	175	61	80	80		116	88	177	93	46	71	1,238
POLYALKYLENE GLYCOL													
CONC. (MG/L)	2.62	3.76	2.95	2.73	0.91			2.50	0.49	1.43	4.31	3.71	1.82
WEIGHT (KGS)	199	199	199	199	66			199	66	133	199	265	1,725

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 1993

28-JUN-94

TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-I
TRA

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
COLD WASTE POND SURFACE POTASSIUM HYDROXIDE													
CONC. (MG/L)	1.77	2.14	1.49	1.22	0.38								3.02
WEIGHT (KGS)	134	113	100	89	27								2,856
SILICONE EMULSION													
CONC. (MG/L)	0.04	0.06	0.05	0.04	0.01								0.03
WEIGHT (KGS)	3	3	3	3	1								27
SODIUM HYDROXIDE													
CONC. (MG/L)	0.04	0.06	0.05	0.04	0.01								0.03
WEIGHT (KGS)	3	3	3	3	1								27
SODIUM ION													
CONC. (MG/L)	0.34	0.48	0.38	0.44	0.35								0.33
WEIGHT (KGS)	26	26	26	32	26								308
SODIUM TOLYTRIAZOLE													
CONC. (MG/L)	1.77	2.14	1.49	1.22	0.38								3.02
WEIGHT (KGS)	134	113	100	89	27								2,856
SULFATE ION													
CONC. (MG/L)	142.54	282.60	100.00	206.70	59.39								101.59
WEIGHT (KGS)	10,832	14,977	6,736	15,079	4,308								96,129
TDS													
CONC. (MG/L)	263.00	270.00	321.00	320.00	320.00								283.95
WEIGHT (KGS)	19,986	14,309	21,623	23,345	23,215								268,678
TETRAPOTASSIUM PYROPHOSPHATE													
CONC. (MG/L)	4.42	5.35	3.73	3.05	0.94								7.55
WEIGHT (KGS)	336	283	251	222	68								7,140

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 0.5
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PAGE: 4
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

28-JUN-94

TRA RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 235-I
TRA

RELEASE POINT DESCRIPTION SUBSTANCE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
COLD WASTE POND	SURFACE													
TOTAL HARDNESS														
CONC. (MG/L)	480.00	430.00	210.00	230.00	230.00		230.00	230.00	242.00	223.00	220.00	220.00	242.11	
WEIGHT (KGS)	36,476	22,788	14,146	16,779	16,686		24,227	18,334	33,009	20,754	10,158	15,724	229,081	
TRIBUTYLTIN OXIDE														
CONC. (MG/L)	0.20	0.29	0.23	0.21	0.07			0.19	0.04	0.11	0.33	0.29	0.14	
WEIGHT (KGS)	15	15	15	15	5			15	5	10	15	20	133	
COOLING TOWERS EVAP	AIRBORNE													
VOLUME (1000 L)	71,639	100,745	64,223	89,824	15,774	0	0	0	0	53,817	99,594	107,975	603,590	
PH														
IRRIGATION	SURFACE													
VOLUME (1000 L)	12,745	14,706	26,369	37,248	31,275	33,383	40,462	33,228	42,427					271,845
PH														
RADIOACTIVE STREAM	SURFACE													
VOLUME (1000 L)	6,117	7,416	7,306	8,313	6,378	5,837	10,910	1,090	5,712	1,995	2,199	2,173	65,446	
PH														
SEWAGE PLANT	SURFACE													
VOLUME (1000 L)	4,346	3,702	4,278	4,149	4,486	4,190	4,259	3,509	4,584	4,690	4,270	4,895	51,357	
PH	7.5	7.5	7.2		7.3	7.4	7.2	7.2	7.5	7.5	7.5	7.5	7.4	

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: 1
SCHED. NO. INRPT009

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

TRA LANDFILL SOLID DISPOSED WASTE SUMMARY

RPT 236-1
TRA

(ALL VOLUMES = CUBIC METERS)

Type of Waste	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
ASPHALT						40.5	17.6	9.9					68.0
DIRT AND GRAVEL						18.4	2.3			6.1			26.8
MASONRY AND CONCRETE			0.8		0.8		13.0	9.6	1.9		0.8		26.8
SCRAP METAL	6.1	3.1	6.1	3.4	6.9	14.5	15.3	12.2	11.9	7.6	3.1	12.2	102.5
TRASH, SWEEPINGS, ETC.	189.6	217.1	247.0	348.3	193.4	165.5	287.5	169.0	265.7	191.9	247.7	182.7	2,705.5
WEEDS, GRASS AND TREES						20.6	0.4		1.1	15.3	1.5		39.0
WOOD AND SCRAP LUMBER			6.9			0.8	16.1	47.0	34.4	7.6		1.5	114.3
CRUSHED FLOURESCENT LIG			0.4										0.4
EMPTY DRUMS							2.3						2.3
PLASTIC SLATES								3.8					3.8
RAD SIGNS								1.1					1.1
GRAND TOTALS:	195.7	220.2	261.1	351.7	201.1	260.3	359.4	247.7	315.0	228.6	253.1	196.5	3,090.5

TRA-9

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. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
TRA WATER USAGE AND DISPOSAL SUMMARY

RPT 237-I
TRA

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC	
WATER DATA														
001 WATER PUMPED (L)	172,932	132,198			23,390	36,079								364,598
003 WATER PUMPED (L)		31,199	7,211											38,410
004 WATER PUMPED (L)	18,302	164,479	214,628	109,163	81,310	163,726	119,051	191,466	154,974	153,990	188,778	188,778	1,559,869	
WATER PUMPED (L)	172,932	181,699	171,691	214,628	132,553	117,389	163,726	119,051	191,466	154,974	153,990	188,778	1,962,878	
WATER DISPOSED														
AIR (L)	71,639	100,745	64,223	89,824	15,774	0								607,962
SURFACE (L)	101,294	77,252	107,468	120,656	112,294	113,183	159,468	115,542	186,893	96,467	47,935	73,747	1,312,198	
SUBSURFACE (L)		0												0
SEWAGE DATA														
BUILD VOL (L)	4,346	3,702	4,278	4,149	4,486	4,190	4,259	3,509	4,584	4,690	4,270	4,895	51,357	
BIOCHEMICAL OXYGEN DEMAND (BOD)														
RAW CONC. (MG/L)	236.0	133.8	140.0	134.0	165.0	107.5	134.0	134.0	152.0	161.3	161.0	110.0	147.4	
FINAL CONC. (MG/L)	22.8	21.0	27.0	23.0	28.0	20.0	19.6	19.6	33.8	30.5	30.0	21.5	24.7	
% REMOVED	90.3	84.3	80.7	82.8	83.0	81.4	85.4	85.4	77.8	81.1	81.4	80.5	83.2	
DISSOLVED OXYGEN (DO)														
RAW CONC. (MG/L)	3.6	4.2	3.8	3.3	3.0	3.0	2.8	2.8	3.6	3.5	3.5	4.3	3.5	
FINAL CONC. (MG/L)	5.6	6.1	5.9	5.1	4.8	4.1	4.4	4.4	5.1	4.7	4.7	6.0	5.1	
INCREASED FACTOR	0.6	0.5	0.6	0.5	0.6	0.4	0.6	0.6	0.4	0.3	0.3	0.4	0.5	
SETTLEABLE SOLIDS (SS)														
RAW CONC. (ML/L)	8.2	4.0	6.2	4.0	4.9	5.6	6.7	6.7	6.6	6.2	6.2	5.6	5.9	
FINAL CONC. (ML/L)	0.04	0.04	0.13	0.10	0.16	0.12	0.16	0.16	0.10	0.13	0.13	0.13	0.12	
% REMOVED	99.5	99.0	97.9	97.5	96.7	97.9	97.6	97.6	98.5	97.9	97.9	97.7	98.0	
PH FINAL	7.7	7.5	7.2	7.4	7.3	7.4	7.2	7.2	7.5	7.5	7.5	7.5	7.4	
TOTAL SEWAGE(L)	4,346	3,702	4,278	4,149	4,486	4,190	4,259	3,509	4,584	4,690	4,270	4,895	51,357	

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-10

PAGE: 2
SCHED. NO. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
TRA WATER USAGE AND DISPOSAL SUMMARY

RPT 237-I
TRA

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
TOTAL WATER DISPOSED(L)	177,278	181,699	175,968	214,628	132,553	117,374	163,726	119,051	191,477	154,974	153,998	188,789	1,971,516
ACCOUNTABILITY (%)	102.5	100.0	102.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.4

TRA-11

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

PAGE: 1
SCHED. NO. INRPT011

25-JUN-94

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

TRA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 238-I
TRA

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
DIESEL													
VOLUME (LITERS)	98	128	88	132	52	2	50	68	70	87	124	139	1,038
SO2 (KGS)	1	1	1	1	0	0	0	0	0	1	1	1	7
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	98	128	88	132	52	2	50	68	70	87	124	139	1,038
SO2 (KGS)	1	1	1	1	0	0	0	0	0	1	1	1	7
NOX (KGS)													
PARTICULATES (KGS)													

TRA-12

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

Page: 1
Sched. No. INRPT013

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

25-JUN-94

HAZARDOUS WASTE GENERATED BY TRA
FOR January - December 1993

RPT 2310-I
TRA

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 603													
Gross Volumes:					2.08E-01								4.16E-01
Gross Weights:					1.16E+05								2.92E+05
BLDG 653													
Gross Volumes:						4.16E-01							4.16E-01
Gross Weights:						2.88E+05							2.88E+05
BLDG 661													
Gross Volumes:		7.57E-02											7.57E-02
Gross Weights:		2.36E+04											2.36E+04
TOTAL VOLUMES:		7.57E-02			2.08E-01	4.16E-01		2.08E-01					9.08E-01
TOTAL WEIGHTS:		2.36E+04			1.16E+05	2.88E+05		1.76E+05					6.03E+05

TRA-13

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

Page: 1
Sched. No. INRPT013A

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

25-JUN-94

MIXED WASTE GENERATED BY TRA
FOR January - December 1993

RPT 2311-I
TRA

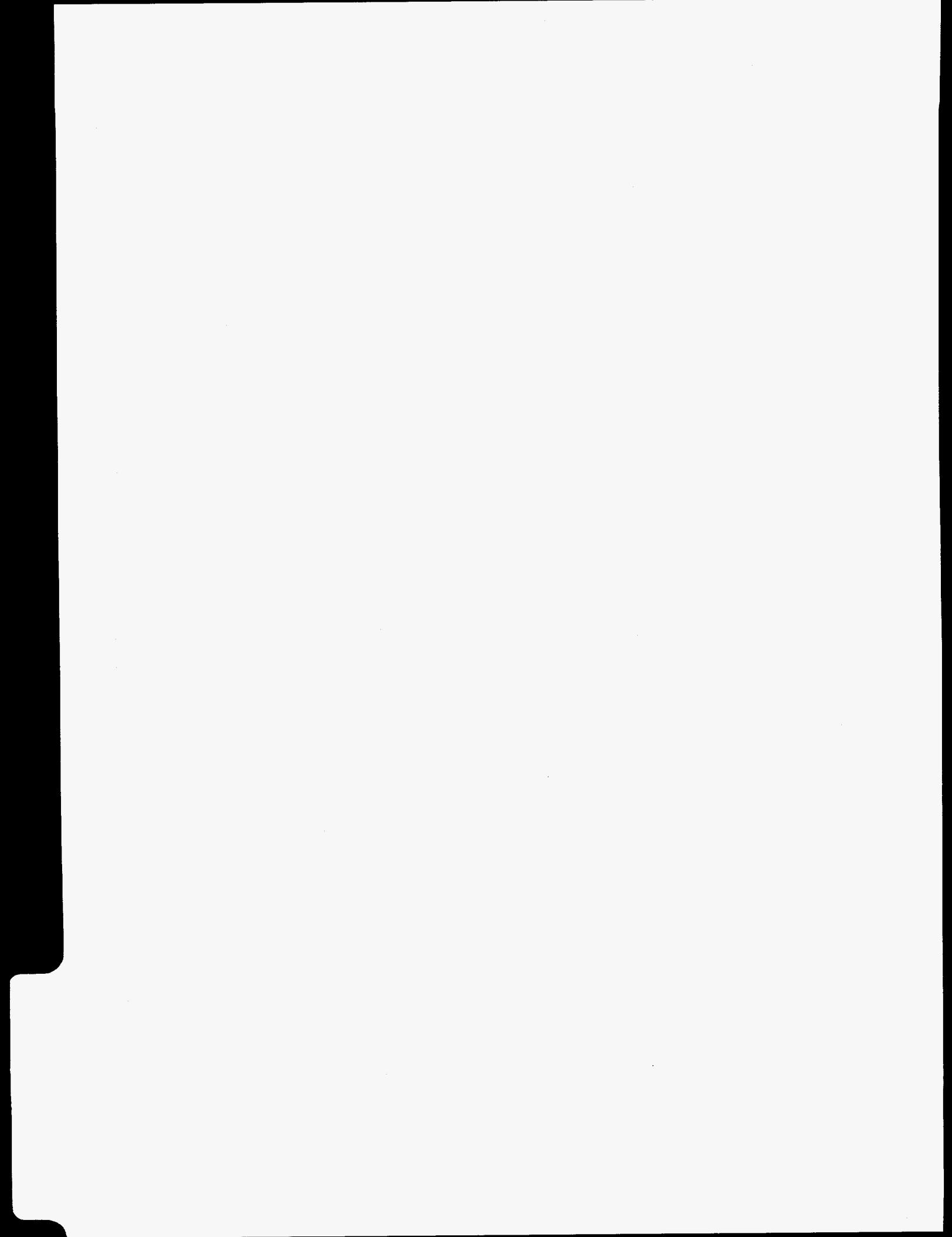
BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 603													
Gross Volumes:													3.03E-02
Gross Weights:													7.26E+03
BLDG 657													
Gross Volumes:								7.65E-01					7.65E-01
Gross Weights:								3.67E+06					3.67E+06
BLDG 660													
Gross Volumes:								9.08E-02					9.08E-02
Gross Weights:								2.72E+04					2.72E+04
TOTAL VOLUMES:								8.55E-01					8.86E-01
TOTAL WEIGHTS:								3.70E+06					3.71E+06

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

TRA-14

**TECHNICAL SUPPORT FACILITY—TEST AREA NORTH,
1993 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 For January Through December 1993	TSF-6
Report 228—TSF Fuel Oil Usage And Stack Effluents Summary	TSF-7



PAGE: 1
SCHED. NO. INRPT008A

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

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)		41	537	440	69		83		28	509	826	193	2,725
CYCLOHEXYLAMINE WEIGHT (KGS)	0	0	2	0	0				1	1	2	2	9
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)	0	3	12	4	6				4	8	10	21	68
JANITORIAL SUPPLIES WEIGHT (KGS)	77	114	538	186	131	117	255	119	113	57	84		1,791
MORPHOLINE WEIGHT (KGS)	0	0	2	0	0				1	1	2	2	9
POTASSIUM HYDROXIDE WEIGHT (KGS)	0	3	12	4	6				4	8	10	21	68
SODIUM ION WEIGHT (KGS)	38	29	369	314	59		54		21	338	546	175	1,942
SODIUM LIGNOSULFONATE WEIGHT (KGS)	0	3	12	4	6				4	8	10	21	68
SULFATE ION WEIGHT (KGS)			4	44	24	24	25						121
SULFITE ION WEIGHT (KGS)	43	3	14	4	3				6	14	19	86	193

TSF-3

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
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PAGE: 1
SCHED. NO. INRPT008

IDAHO OPERATIONS OFFICE
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INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

TSF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 225-1
TSF

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
DISPOSAL POND VOLUME (1000 L) PH	SURFACE 344	159	2,700	164	673	1,071 8.0	672	723	5,693	9,535	7,060	2,600	31,395 8.0
CHLORIDE ION CONC. (MG/L)	259.56	198.77	2678.10	102.18					4.83	53.40	116.96	74.10	86.79
WEIGHT (KGS)	41	537	440	69		83			28	509	826	193	2,725
CYCLOHEXYLAMINE CONC. (MG/L)	0.26	2.24	0.58	2.70	0.66				0.12	0.14	0.22	0.94	0.28
WEIGHT (KGS)	0	0	2	0	0				1	1	2	2	9
ETHYLENEDIAMINE TETRAACETIC ACID CONC. (MG/L)	1.13	19.59	4.33	23.69	8.68				0.68	0.82	1.38	8.24	2.16
WEIGHT (KGS)	0	3	12	4	6				4	8	10	21	68
JANITORIAL SUPPLIES CONC. (MG/L)	223.78	713.77	199.40	1129.08	194.05	109.28	379.94	164.45	19.92	5.93	11.95		57.03
WEIGHT (KGS)	77	114	538	186	131	117	255	119	113	57	84		1,791
MORPHOLINE CONC. (MG/L)	0.26	2.24	0.58	2.70	0.66				0.12	0.14	0.22	0.94	0.28
WEIGHT (KGS)	0	0	2	0	0				1	1	2	2	9
POTASSIUM HYDROXIDE CONC. (MG/L)	1.13	19.59	4.33	23.69	8.68				0.68	0.82	1.38	8.24	2.16
WEIGHT (KGS)	0	3	12	4	6				4	8	10	21	68
SODIUM ION CONC. (MG/L)	110.24	179.64	136.70	1909.09	88.03		79.68		3.71	35.47	77.31	67.11	61.85
WEIGHT (KGS)	38	29	369	314	59		54		21	338	546	175	1,942
SODIUM LIGNOSULFONATE CONC. (MG/L)	1.13	19.59	4.33	23.69	8.68				0.68	0.82	1.38	8.24	2.16
WEIGHT (KGS)	0	3	12	4	6				4	8	10	21	68

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 NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

TSF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 225-I
TSF

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DISPOSAL POND SURFACE													
SULFATE ION CONC. (MG/L)			1.48	270.05	35.61	22.80	36.50						3.86
WEIGHT (KGS)			4	44	24	24	25						121
SULFITE ION CONC. (MG/L)	125.75	19.92	5.33	26.27	4.28				1.01	1.51	2.65	33.23	6.15
WEIGHT (KGS)	43	3	14	4	3			6	14	19	86	86	193

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

PAGE: 1
SCHED. NO. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
TSF WATER USAGE AND DISPOSAL SUMMARY

RPT 227-I
TSF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.													ANNUAL TOT VOL/WEIGHT	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg Conc	
WATER DATA														
612 WATER PUMPED (L)	3,846	3,793	7,480	3,014	2,403	3,571	4,013	6,541	4,440	5,288	4,826	3,171	52,387	
613 WATER PUMPED (L)	2,381	2,295	1,525	2,948	2,429	3,335	5,686	6,197	4,172	6,465	5,459	3,297	46,189	
WATER PUMPED (L)	6,227	6,088	9,005	5,962	4,832	6,906	9,698	12,738	8,612	11,754	10,285	6,468	98,575	
WATER DISPOSED														
AIR (L)														
SURFACE (L)	344	159	2,700	164	673	1,071	672	723	5,693	9,535	7,060	2,600	31,395	
SUBSURFACE (L)														
SEWAGE DATA														
623 BUILD VOL (L)	5,883	5,928	6,306	6,126	6,405	5,833	2,983	4,932	2,919	2,218	3,223	3,872	56,630	
BIOCHEMICAL OXYGEN DEMAND (BOD)														
RAW CONC. (MG/L)	127.5	101.3	115.0	81.0	86.3	70.0	76.0		68.8	60.5	64.0	71.6	83.8	
FINAL CONC. (MG/L)	17.3	10.8	16.8	15.6	20.8	11.0	12.8		15.6	13.3	12.8	7.8	14.1	
% REMOVED	86.4	89.3	85.4	80.7	75.9	84.3	83.2		77.3	78.0	80.0	89.1	83.2	
DISSOLVED OXYGEN (DO)														
RAW CONC. (MG/L)	5.5	6.7	6.1	4.8	4.8	4.0	3.7		4.4	4.6	6.4	6.8	5.3	
FINAL CONC. (MG/L)	6.4	6.8	6.9	6.1	5.9	4.9	5.3		6.0	5.4	7.6	7.0	6.2	
INCREASED FACTOR	0.2	0.0	0.1	0.3	0.2	0.2	0.4		0.4	0.2	0.2	0.0	0.2	
SETTLEABLE SOLIDS (SS)														
RAW CONC. (ML/L)	8.2	8.1	8.9	4.4	6.3	7.1	5.0		5.1	5.1	5.9	6.6	6.4	
FINAL CONC. (ML/L)	0.02	0.01	0.01	0.02	0.09	0.11	0.09		0.02	0.06	0.00	0.02	0.04	
% REMOVED	99.8	99.9	99.9	99.5	98.6	98.5	98.2		99.6	98.8	100.0	99.7	99.4	
PH FINAL														
PH FINAL	7.8	7.8	7.7	8.0	7.7	8.0	7.9		7.9	7.9	8.1	7.7	7.9	
TOTAL SEWAGE(L)	5,883	5,928	6,306	6,126	6,405	5,833	2,983	4,932	2,919	2,218	3,223	3,872	56,630	
TOTAL WATER DISPOSED(L)	6,226	6,087	9,007	6,291	7,078	6,905	3,655	5,655	8,613	11,754	10,282	6,473	88,024	
ACCOUNTABILITY (%)	100.0	100.0	100.0	105.5	146.5	100.0	37.7	44.4	100.0	100.0	100.0	100.1	89.3	

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

TSF-6

PAGE: 1
SCHED. NO. INRPT011

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

TSF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 228-1
TSF

(ALL VALUES = NEAREST THOUSAND)

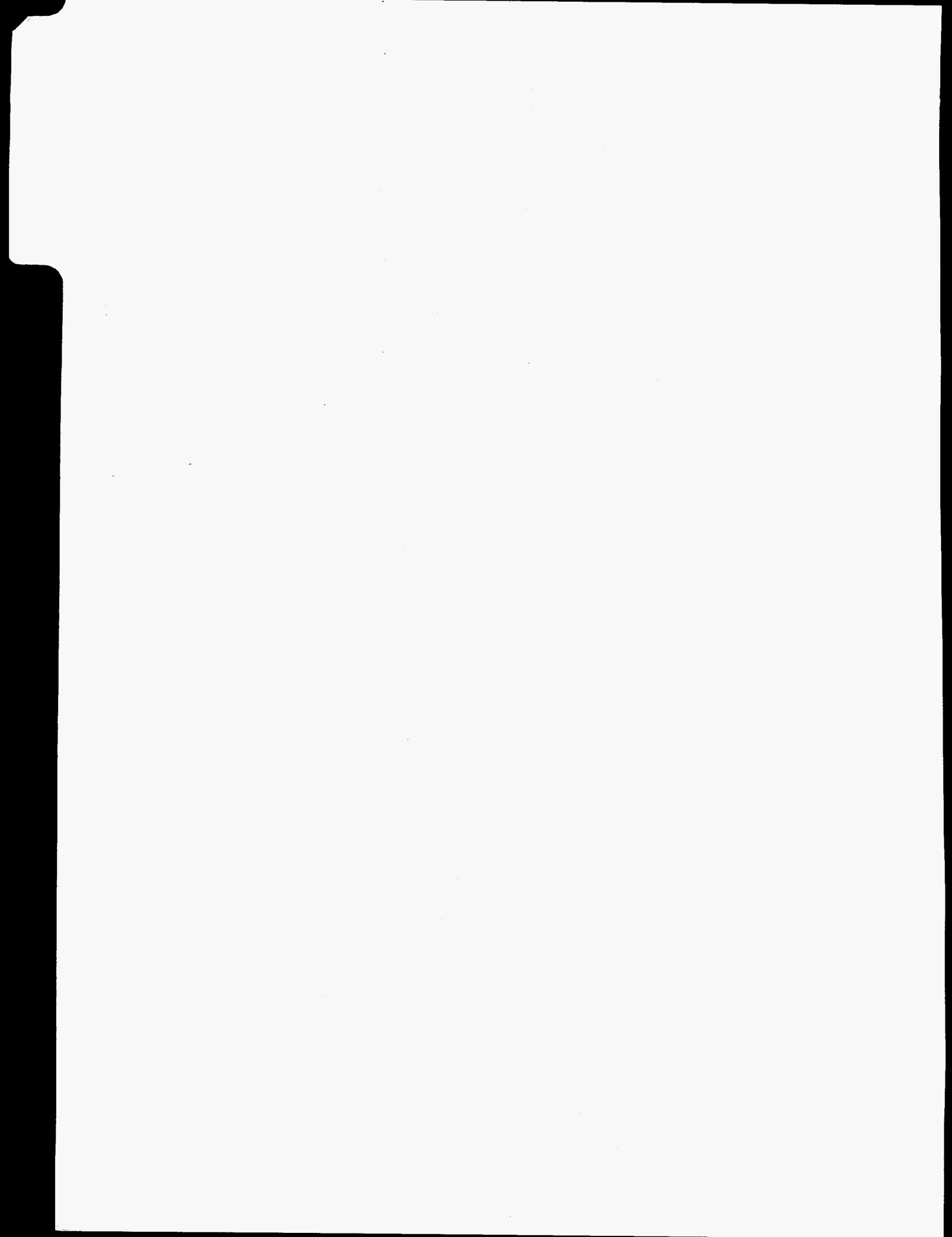
FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	486	118	244	96	40				6	128	151	224	1,493
SO2 (KGS)	3	1	1	1	0				0	1	1	1	8
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	486	118	244	96	40				6	128	151	224	1,493
SO2 (KGS)	3	1	1	1	0				0	1	1	1	8
NOX (KGS)													
PARTICULATES (KGS)													

TSF-7

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

WILLOW CREEK BUILDING, 1993 DETAIL DATA

Report 10—Hazardous Waste Generated By WCB For January–December
1993 WCB-3



Page: 1
Sched. No. INRPT013

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

25-JUN-94

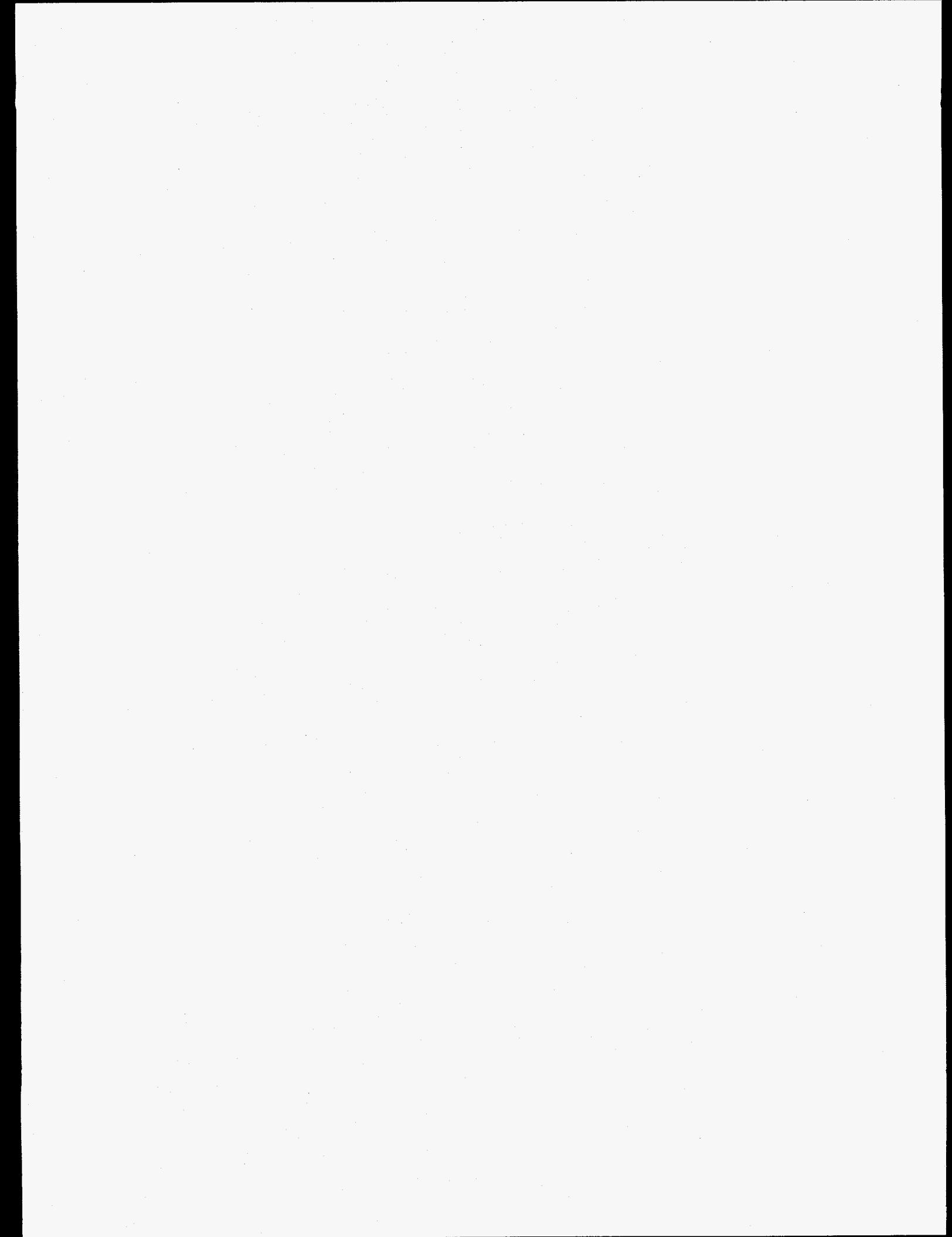
HAZARDOUS WASTE GENERATED BY WCB
FOR January - December 1993

RPT 10-I
WCB

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG IFC													
Gross Volumes:	5.68E-02						1.88E+00			5.68E-02		1.99E+00	
Gross Weights:	4.76E+04						7.04E+05			4.63E+04		7.98E+05	
TOTAL VOLUMES:	5.68E-02						1.88E+00			5.68E-02		1.99E+00	
TOTAL WEIGHTS:	4.76E+04						7.04E+05			4.63E+04		7.98E+05	

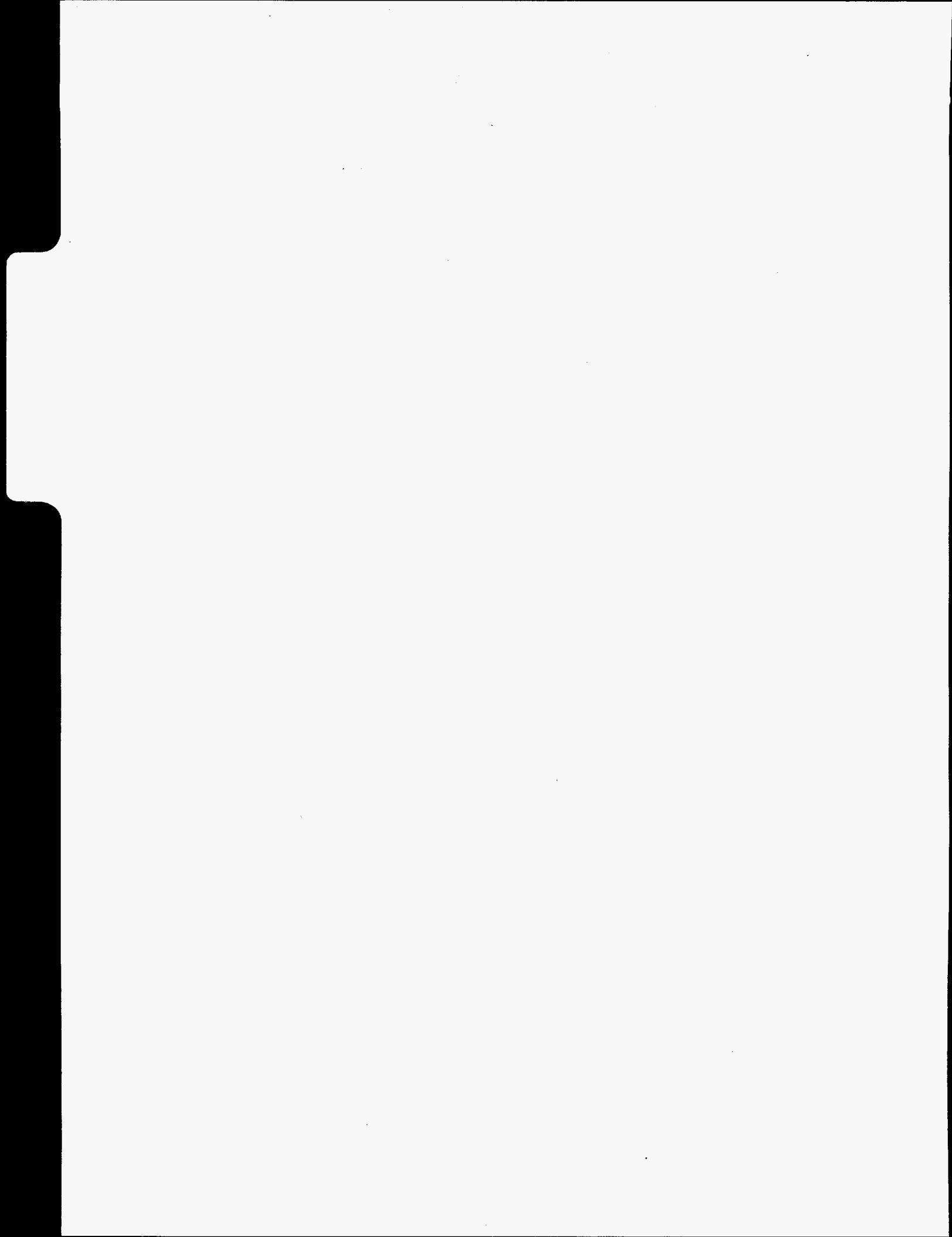
WCB-3

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



WASTE ENGINEERING DEVELOPMENT FACILITY, 1993 DETAIL DATA

Report 10—Hazardous Waste Generated By WDF For January–December
1993 WDF-3



Page: 1
Sched. No. INRPT013

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

25-JUN-94

HAZARDOUS WASTE GENERATED BY WDF
FOR January - December 1993

RPT 10-I
WDF

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 612													
Gross Volumes:	8.71E-02												8.71E-02
Gross Weights:	2.77E+04												2.77E+04
TOTAL VOLUMES:	8.71E-02												8.71E-02
TOTAL WEIGHTS:	2.77E+04												2.77E+04

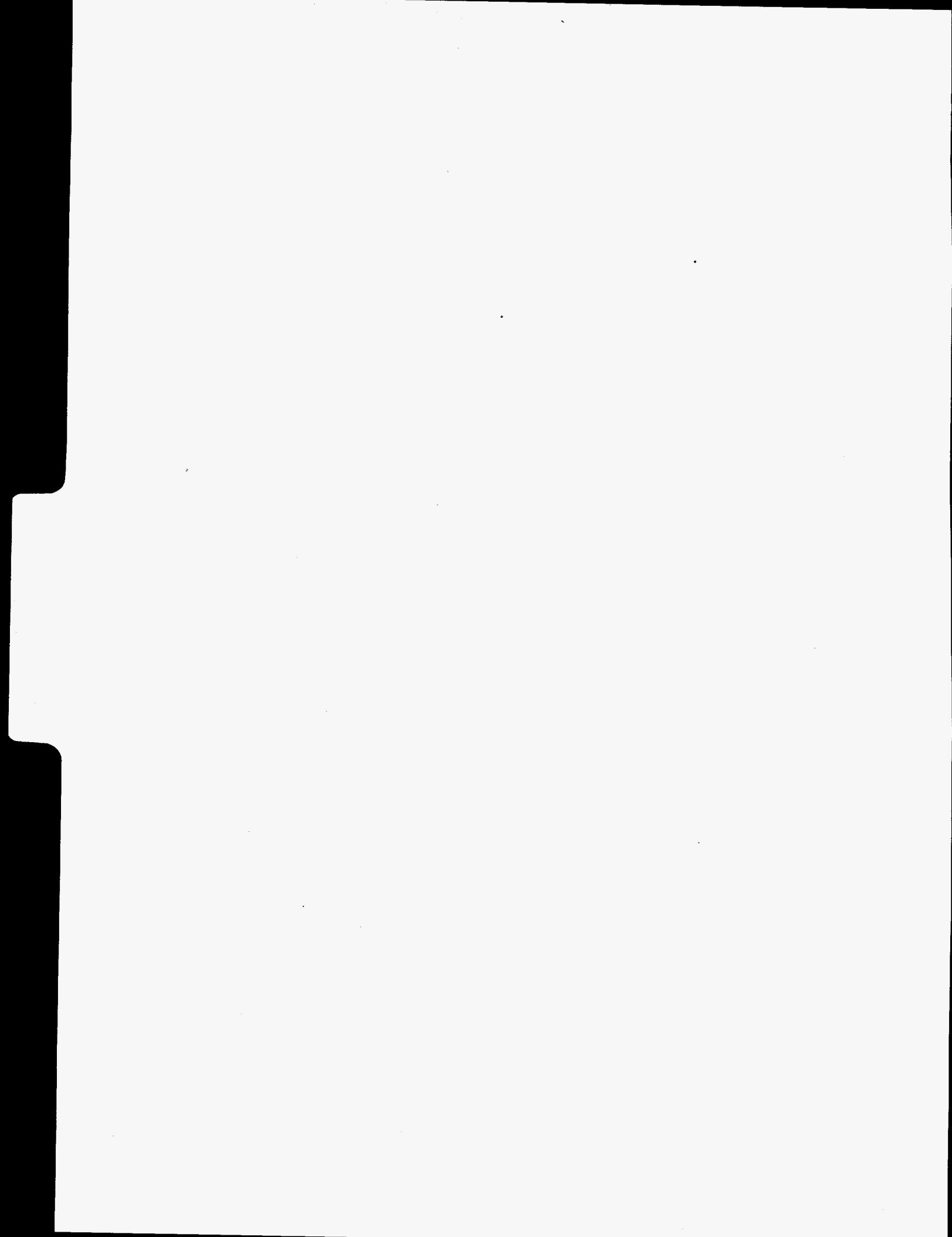
WDF-3

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

WASTE EXPERIMENTAL REDUCTION FACILITY, 1993 DETAIL DATA

Report 2410—Hazardous Waste Generated By WER For January–December
1993 WER-3

Report 2411—Mixed Waste Generated By WER For January–December
1993 WER-4



Page: 1
Sched. No. INRPT013

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

25-JUN-94

HAZARDOUS WASTE GENERATED BY WER
FOR January - December 1993

RPT 2410-I
WER

BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 609													
Gross Volumes:					3.03E-02					3.03E-02			6.06E-02
Gross Weights:					5.44E+03					9.53E+03			1.50E+04
TOTAL VOLUMES:					3.03E-02					3.03E-02			6.06E-02
TOTAL WEIGHTS:					5.44E+03					9.53E+03			1.50E+04

WER-3

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

Page: 1
Sched. No. INRPT013A

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

25-JUN-94

MIXED WASTE GENERATED BY WER
FOR January - December 1993

RPT 2411-I
WER

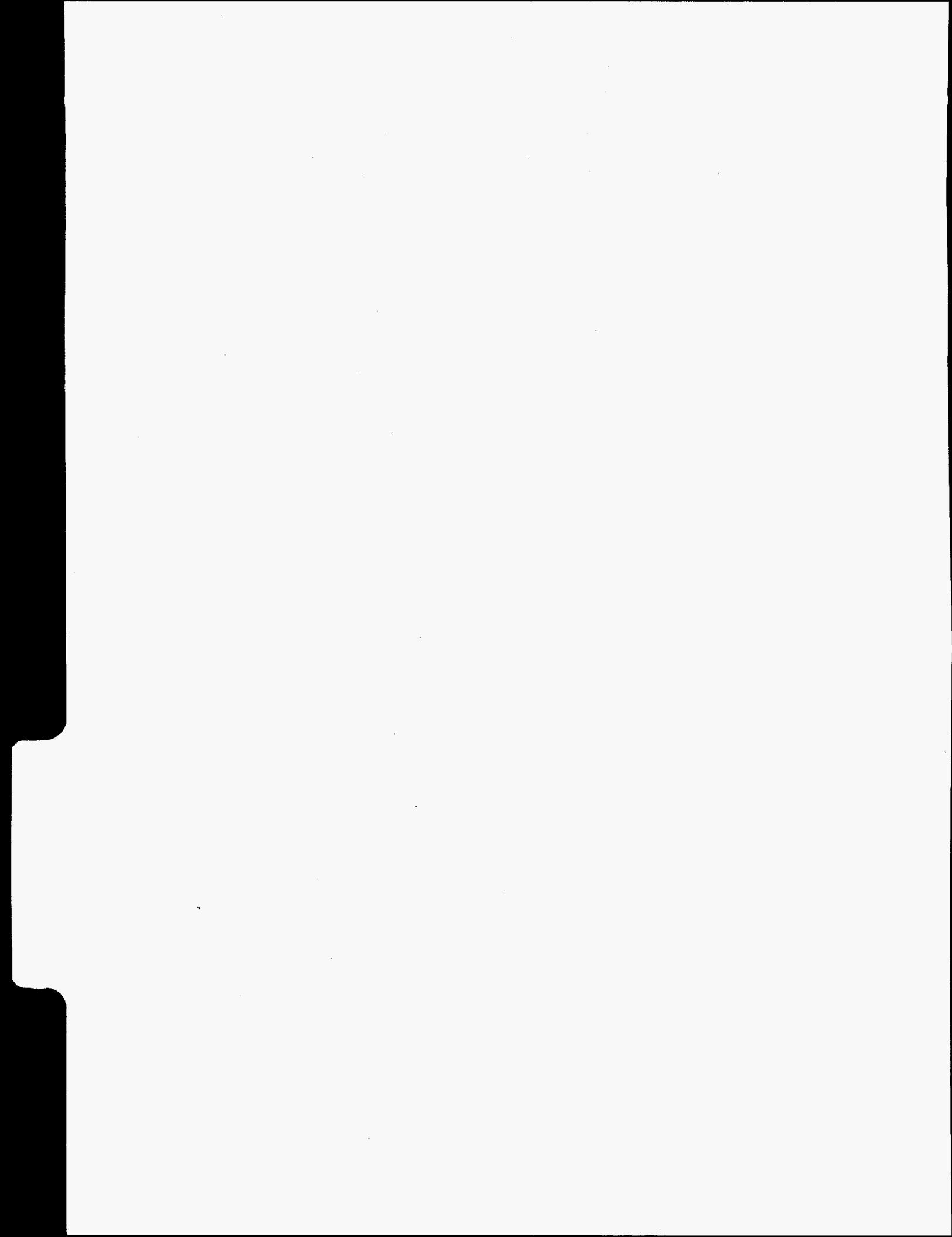
BUILDING	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
BLDG 609													
Gross Volumes:								2.69E-01	3.73E+00			4.00E+00	
Gross Weights:								7.94E+04	1.38E+06			1.46E+06	
TOTAL VOLUMES:								2.69E-01	3.73E+00			4.00E+00	
TOTAL WEIGHTS:								7.94E+04	1.38E+06			1.46E+06	

WER4

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

**WATER REACTOR RESEARCH TEST FACILITY—TEST AREA NORTH,
1993 DETAIL DATA**

Report 265—WRF Liquid Disposed Substances Summary	WRF-3
Report 265—WRF Release Point And Liquid Disposed Substances Summary	WRF-4
Report 267—WRF Water Usage And Disposal Summary For January Through December 1993	WRF-6
Report 268—WRF Fuel Oil Usage And Stack Effluents Summary	WRF-7



PAGE: 1
SCHED. NO. INRPT008A

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

WRF LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 265-I
WRF

SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION WEIGHT (KGS)		41	41				83						165
CYCLOHEXYLAMINE WEIGHT (KGS)	0	0	0	0	0					0	0	0	1
ETHYLENEDIAMINE TETRAACETIC ACID WEIGHT (KGS)	0	3	1	1	1					1	2	2	11
JANITORIAL SUPPLIES WEIGHT (KGS)	10	5	13	12	10	43	24	6	19	18	28	30	218
MORPHOLINE WEIGHT (KGS)	0	0	0	0	0					0	0	0	1
POTASSIUM HYDROXIDE WEIGHT (KGS)	0	3	1	1	1					1	2	2	11
SODIUM ION WEIGHT (KGS)	14	29	42	33	14	13	54	13		0	2	3	217
SODIUM LIGNOSULFONATE WEIGHT (KGS)	0	3	1	1	1					1	2	2	11
SULFATE ION WEIGHT (KGS)	16		16	40		8	25	16					122
SULFITE ION WEIGHT (KGS)	2	3	4		2					1	4	6	21

WRF-3

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

PAGE: 1
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADILOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

WRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 265-I
WRF

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
WRRTF EVAP POND VOLUME (1000 L) PH	SURFACE 605	682	542	847	694	689	689	693	461	83	264	380	6,627
CHLORIDE ION CONC. (MG/L) WEIGHT (KGS)	60.52 41	76.22 41					119.92 83						24.92 165
CYCLOHEXYLAMINE CONC. (MG/L) WEIGHT (KGS)	0.15 0	0.52 0	0.25 0	0.16 0	0.13 0					1.07 0	0.67 0	0.47 0	0.19 1
WRF-4 ETHYLENEDIAMINE TETRAACETIC ACID CONC. (MG/L) WEIGHT (KGS)	0.64 0	4.57 3	2.16 1	0.92 1	1.68 1					9.35 1	7.37 2	5.13 2	1.70 11
JANITORIAL SUPPLIES CONC. (MG/L) WEIGHT (KGS)	16.51 10	7.31 5	23.45 13	14.46 12	14.38 10	62.58 43	34.25 24	9.16 6	41.32 19	212.42 18	104.78 28	79.61 30	32.83 218
MORPHOLINE CONC. (MG/L) WEIGHT (KGS)	0.15 0	0.52 0	0.25 0	0.16 0	0.13 0					1.07 0	0.67 0	0.47 0	0.19 1
POTASSIUM HYDROXIDE CONC. (MG/L) WEIGHT (KGS)	0.64 0	4.57 3	2.16 1	0.92 1	1.68 1					9.35 1	7.37 2	5.13 2	1.70 11
SODIUM ION CONC. (MG/L) WEIGHT (KGS)	23.76 14	41.89 29	77.43 42	38.50 33	20.22 14	18.94 13	77.71 54	18.81 13		3.98 0	8.15 2	8.72 3	32.73 217
SODIUM LIGNOSULFONATE CONC. (MG/L) WEIGHT (KGS)	0.64 0	4.57 3	2.16 1	0.92 1	1.68 1					9.35 1	7.37 2	5.13 2	1.70 11

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

PAGE: 2
SCHED. NO. INRPT008

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLOGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

WRF RELEASE POINT AND LIQUID DISPOSED SUBSTANCES SUMMARY

RPT 265-1
WRF

RELEASE POINT DESCRIPTION SUBSTANCE													ANNUAL TOT VOL/WEIGHT AVG CONC
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
WRRTF EVAP POND SURFACE													
SULFATE ION													
CONC. (MG/L)	27.03		30.33		47.20		11.87	35.60	23.58				18.37
WEIGHT (KGS)	16		16		40		8	25	16				122
SULFITE ION													
CONC. (MG/L)	3.81	4.64	6.91		2.49					6.92	14.18	15.17	3.17
WEIGHT (KGS)	2	3	4		2					1	4	6	21

WRF-5

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

PAGE: 1
SCHED. NO. INRPT010

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

25-JUN-94

FOR JANUARY THROUGH DECEMBER 1993
WRF WATER USAGE AND DISPOSAL SUMMARY

RPT 267-1
WRF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BLDG. NO./ SEWAGE BLDG. NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT VOL/WEIGHT AVG CONC
WATER DATA													
WRF WATER PUMPED (L)	756	852	677	1,059	868	1,446	861	866	576	104	330	475	8,870
WATER PUMPED (L)	756	852	677	1,059	868	1,446	861	866	576	104	330	475	8,870
WATER DISPOSED													
AIR (L)													
SURFACE (L)	605	682	542	847	694	689	689	693	461	83	264	380	6,627
SUBSURFACE (L)													
SEWAGE DATA													
643 BUILD VOL (L)	1,511	170	135	847	694	289	86	87	58	10	33	47	3,969
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)	1,511	170	135	847	694	289	86	87	58	10	33	47	3,969
TOTAL WATER DISPOSED(L)	2,116	853	677	1,694	1,388	978	775	780	519	94	297	427	10,596
ACCOUNTABILITY (%)	280.0	100.0	100.0	160.0	160.0	67.6	90.0	90.0	90.0	90.0	90.0	90.0	119.5

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

WRF-6

PAGE: 1
SCHED. NO. INRPT011

IDaho OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL NONRADIOLoGICAL WASTE MANAGEMENT INFORMATION SYSTEM
FOR JANUARY THROUGH DECEMBER 1993

25-JUN-94

WRF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

RPT 268-I
WRF

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TYPE 2													
VOLUME (LITERS)	35	35	35	8	1				0	8	22	26	170
SO2 (KGS)	0	0	0	0	0				0	0	0	0	1
NOx (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS:													
VOLUME (LITERS)	35	35	35	8	1				0	8	22	26	170
SO2 (KGS)	0	0	0	0	0				0	0	0	0	1
NOx (KGS)													
PARTICULATES (KGS)													

WRF-7

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