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INDUSTRIAL-WASTE-MANAGEMENT INFORMATION FOR 1982 AND RECORD-TO-DATE

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ACRONYMS & ABBREVIATIONS

A1W	Large Ship Reactor at NRF
ANL	Argonne National Laboratory-West
ATR	Advanced Test Reactor
ARA	Auxiliary Reactor Area
CFA	Central Facilities Area
CPP	Chemical Processing Plant
EBR	Experimental Breeder Reactor I
ENICO	Exxon Nuclear Idaho Company
ETR	Engineering Test Reactor
INEL	Idaho National Engineering Laboratory
IWMIS	Industrial Waste Management Information System
kg	Kilograms
L	Litres
LOF	Loss-of-Fluid Test Facility
LOFT	Loss-of-Fluid Test Facility
LPT	Low Power Test Facility
M^3	Cubic Metres
MHD	Magnetohydrodynamics Component Development and Integration Facility (Butte, Montana)
NRF	Naval Reactors Facility
PBF	Power Burst Facility
S1W	Submarine Prototype at NRF
S5G	Submarine Prototype at NRF
TAN	Test Area North
TRA	Test Reactor Area
TREAT	Transient Reactor Test Facility
WER	Waste Experimental Reduction Facility
WMC	Waste Management Complex
WRF (WRRTF)	Water Reactor Research Test Facility

CONVERSION FACTORS

To Convert	Into	Multiply By
cubic metres	cubic feet	35.31
litres	gallons (U.S. liquid)	0.2642
kilograms	pounds	2.2046

ABSTRACT

The industrial waste data associated with activities at the Idaho National Engineering Laboratory (INEL) for 1982 and record-to-date are summarized. Summaries of the quantities of liquid industrial waste, the volumes of solid waste, the fuel oil and water used, and the quantities of SO_2 and particulates released are included. The waste data are from the INEL Industrial Waste Management Information System (IWMIS).

SUMMARY

A computerized Industrial Waste Management Information System (IWMIS) has been used at the Idaho National Engineering Laboratory (INEL) since 1971. The system provides for timely reports on the amount of all types of industrial waste that has been stored and disposed at the INEL, fuel oil usage, and water usage and disposal. The system serves as the official record for all types of industrial waste stored or disposed at the INEL. The quantities of industrial waste are reported for the following categories: disposal of airborne and liquid effluents, fuel oil consumption, and water usage.

A total of 29 691 m^3 of solid industrial waste was disposed in sanitary landfills at the INEL during 1982.

During 1982, waste oils and solvents totalled 52 307 litres. This compares with 31 183 litres in 1981 and 11 466 litres in 1980. These liquids are periodically recycled.

A total of 3 122 752 kg of liquid and airborne industrial waste was discharged in 1982. This includes 1 704 013 kg of chemicals, 774 754 kg of total dissolved solids, and 382 529 kg of total hardness which were discharged as liquid wastes to the lithosphere at the INEL. This waste represents a decrease from the total quantity of 4 337 545 kg in 1981 and 3 787 561 kg in 1980.

During 1982, a total of 17 976 112 litres of fuel oil was used at the INEL, which produced 352 286 kg of SO_2 and 17 009 kg of particulates. During 1981, 15 528 053 litres of fuel oil were used, producing 290 868 kg of SO_2 and 13 128 kg of particulates.

A total of 8 231 903 000 litres of water was used at the INEL during 1982, compared to 7 828 795 000 litres in 1981, and 7 311 782 000 litres in 1980. However, the majority of this water is returned to the lithosphere through injection wells and seepage ponds. The remaining water is lost to the atmosphere through cooling towers and other evaporatory processes.

The following reports are included in this document:

Report 1 - INEL Monthly Water Usage Summary

This report summarizes the quantity of water pumped at each facility and the quantity of water disposed to the atmosphere, ground surfaces, and subsurfaces. The percent accountability is also shown.

Report 2 - INEL Year-to-Date Water Usage Summary

This report provides the quantity of water pumped and disposed and the percent accountability at each facility for the year-to-date.

Report 3 - INEL Industrial Waste Summary

This report summarizes the quantity and type of industrial waste for each area at the INEL. The waste is shown in Types 1 through 9, which correspond generally with the standard classifications for sanitary waste.

Report 4 - INEL Airborne & Liquid Disposed Substances Summary

This report provides the monthly total weight of all substances disposed to the environment. It also provides the total amount of waste disposed for the year-to-date.

Report 5 - INEL Monthly Fuel Oil Summary

This report summarizes information on the types and quantities of fuel oil used during the month for each facility at the INEL. It also provides the quantities of SO_2, NO_x, and particulates released to the atmosphere.

Report 6 - INEL Year-to-Date Fuel Oil Summary

This report provides similar information to Report 5 for the year-to-date.

Series XX4, (Facility) Airborne Disposed Substances Summary

Series XX5, (Facility) Liquid Disposed Substances Summary

Series XX6, (Facility) Industrial Waste Summary

Series XX7, (Facility) Water Usage & Disposal Summary

Series XX8, (Facility) Fuel Oil Usage & Stack Effluents Summary

INEL INDUSTRIAL WASTE SUMMARY

RECORD-TO-DATE

WASTE TYPE		1971-1979	1980	1981	1982
SANITARY WASTE	(CU.METERS)	206,153	38,945	30,781	29,691
OIL-SOLVENTS	(LITERS)	399,309	11,466	31,183	52,307
LIQUID WASTE	(KILOGRAMS)	39,398,407	3,546,530	4,072,143	2,861,281
AIRBORNE WASTE	(KILOGRAMS)*	6,162,572	575,023	569,398	630,766
FUEL OIL:					
QUANTITY	(LITERS)	233,532,016	16,621,781	15,528,053	17,976,112
SO2	(KILOGRAMS)	3,937,993	317,072	290,868	352,286
PARTICULATES	(KILOGRAMS)	277,669	16,920	13,128	17,009
WATER-USED	(1,000 LITERS)	84,788,773	7,311,782	7,828,795	8,231,903

* NOTE: INCLUDES SO2 AND PARTICULATES FROM FUEL OIL TOTALS

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL SOLID AND LIQUID INDUSTRIAL WASTE SUMMARY
RECORD-TO-DATE

YEAR	ANL	AWA	CFA	CPP	LOF	MHD	NPF	PRF	TAN	TRA	WER	WHC	WRF	TOTAL
RECORD-TO-DATE (71-80)														
SANITARY WASTE (CU. METERS)	29153	1216	47448	38468	264	122	67032	5315	25579	29811		695		245098
OILS & SOLVENTS (LITERS)	17276		102203				285050		568	5678				410775
CHEMICALS														
LIQUIDS (LITERS)	1404	106		45			43887	416	17052	6281		145		69337
SOLIDS (KILOGRAMS)	855		1355				9957		0	17585				29753
OTHERS														
LIQUIDS (LITERS)	1262	396	5985	1099			1321	4997		1334				16893
SOLIDS (KILOGRAMS)	28								408			—		436
1981														
SANITARY WASTE (CU. METERS)	3659	377	5126	6295	353	820	6925	591	3893	2511		230		30781
OILS & SOLVENTS (LITERS)	1295						29889							31183
CHEMICALS														
LIQUIDS (LITERS)							11891							11891
OTHERS														
LIQUIDS (LITERS)	466						833							1298
SOLIDS (KILOGRAMS)						9072								9072
1982														
SANITARY WASTE (CU. METERS)	3429	446	3535	7897	18	881	6710	775	2664	3068	48	212	8	29691
OILS & SOLVENTS (LITERS)	4275		1529				46502							52307
CHEMICALS														
LIQUIDS (LITERS)							16092			3687				19780
SOLIDS (KILOGRAMS)			73							2927				2999
							1978							1978
OTHERS														
LIQUIDS (LITERS)							9047							9047

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 1

INEL INDUSTRIAL WASTE SUMMARY IN CUBIC METERS *
FOR JANUARY THROUGH DECEMBER, 1982

TYPES	ANL	ARA	CFA	CPP	LOF	NRD	NRF	PBF	TAN	TRA	WER	WMC	WRF	TOTAL
1. TRASH	2,452	395	1,971	3,603	12	881	3,676	595	2,148	1,814	8	150		17,706
2. CAFETERIA GARBAGE	502	2	553	538			1,083		417	125		14		3,234
3. WOOD & SCRAP LUMBER	3	2	314	1,515	5		537	45	33	936	13	1	1	3,404
4. MASONRY & CONCRETE	433		125	1,926			133	65	10	22	9	36		2,758
5. SCRAP METAL	28	2	72	79			476		31	6		2		696
6. OIL (LITERS)	4,275		1,529				46,502							52,307
8. CHEMICALS														
LIQUID (LITERS)							16,092			3,687				19,780
SOLID (KILOGRAMS)			73				1,978			2,927				4,978
9. OTHERS														
LIQUID (LITERS)							9,047							9,047
TOTALS														
SANITARY TYPES 1, 2, 3, 4, 5, & 9 (CUBIC METERS)	3,429	446	3,535	7,897	18	881	6,710	775	2,664	3,068	48	212	8	29,691
OILS &SOLVENTS TYPES 6 & 7 (LITERS)	4,275		1,529				46,502							52,307
CHEMICALS														
LIQUID (LITERS)							16,092			3,687				19,780
SOLID (KILOGRAMS)			73				1,978			2,927				4,978
OTHERS														
LIQUID (LITERS)							9,047							9,047

* EXCEPT AS NOTED

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 1

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

SUBSTANCE IDENTIFICATION	1971-1979	1980	1981	1982	TOTAL
ACETIC ACID		12			12
AMIDES	816	79	102	70	1,067
AMMONIA		36	0		36
ARSENIC			0		0
AUTO CLEANERS	19,152	1,742	1,742	1,815	24,451
BETZ A-9	68				68
BETZ DE 419	2,675				2,675
BETZ DE 453	113				113
BETZ DE 481	7,878				7,878
BETZ DIANODIC 194	828				828
BETZ J-12	18				18
BETZ NEUTRMEEN	1,669				1,669
BETZ 109	35				35
BETZ 194	301				301
BETZ 406	129				129
BETZ 429	5,171				5,171
BETZ 45			9	37	46
BETZ 65	544				544
BIOCIDE D-2	9,640				9,640
BLEACH	898				898
BORON		1,851	5,280	1,163	8,293
CALCIUM ION	5,322	2,379	2,496	1,658	11,856
CARBONTHIOCYANATES	124	16	20	14	175
CHLORIDE ION	3,550,773	419,978	699,943	438,458	5,109,150
CHLOROCARBONS	2				2
CHLOROHYDROCARBONS	472		0		472
CHLOROSULFONES	628	64	82	56	829
CHROMATE ION	199	17	6	20	242
CITRIC ACID		91			91
CLOROHYDROCARBONS	0				0
CR+6		794	1,021		1,814
DIANODIC 194	15,531				15,531
DIMETHYLAMINE	764	249	218	186	1,417
DIPHOSPHONATE	9,857	2,113	1,279		13,249
DISPERSANT 403	13,026				13,026
FLOURIDE ION		2			2
FLUORIDE ION			4		4
FORMIC ACID		5			5
HEDP		123	726	983	1,832
HEXAVALENT CR	2,600	31			2,631
HPA	4,151	247	12	3	4,414
HYDRAZINE	12				12
HYDROCARBON-AMINES	36	10	8	11	65
HYDROCARBONS	1,243	159	204	139	1,745
HYDROXYCARBON	66				66
HYDROXYCARBONS	13,432	2,710	1,668	94	17,904

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 1

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

SUBSTANCE IDENTIFICATION	1971-1979	1980	1981	1982	TOTAL
HYPOCHLORITE	15,053				16,053
HYPOCHLORITE ION	14,417	6,986	7,242	5,750	34,396
KP40 COOLANT CNTRL	73				73
KWIK KLEEN	2,098				2,098
LAUNDRY PRODUCTS	16,199	4,773	5,942	5,682	32,596
M-60 ALGAECIDE	4				4
M-80T ALGAECIDE	4				4
MERCURY			0		0
METHBISTHIOCYANATE	68				68
MORPHOLINE	730	109	149	89	1,078
N-HYDROCARBON	3,717	745	744	436	5,642
NALCO 7312	178				178
NALCO 7323	185				185
NALCOOL 7351	840				840
NAPTHA	39				39
NITRATE ION	470,100	137,209	146,969	123,210	877,488
NITRIC OXIDE	107,304	68,265	74,605	18,411	268,584
NITRITE ION		3			3
NITROGEN DIOXIDE	1,839,483	172,718	190,747	243,045	2,445,991
OROCOL 194	68				68
OROCOL 734	70,313				70,313
OXYCARBONS	0				0
PHOSPHATE	1,724	907	2,632	2,335	7,597
PHOSPHATE ION	105,439	8,130	20,471	4,470	138,510
PHOSPHONATE	1,535	655	704	477	3,372
PHOSPHONATES	23				23
PHOTO LAB CHEMICAL	17,323	1,960	1,960	1,960	23,201
POLYACRYLATE		2,106	10,881	1,811	14,798
POLYHYDROXYCARBON	45	0	0	2	47
POLYMETHACRYLATE	1,023	436	469	259	2,187
POLYNODIC 606	62,210				62,210
POLYNODIC 633	2,268				2,268
POLYPHOSPHATE	3,582	1,528	1,641	1,112	7,863
POTASSIUM ION	10,568	1,726	13,752	354	26,400
PYRIDINE		3			3
SILICACARBONS	20				20
SILICATE ION	59				59
SKASOL	617				617
SKAZOL	3,164				3,164
SLIMICIDE A-9	9,935				9,935
SLIMICIDE C-35	3,434				3,434
SLIMICIDE D-2	2,034				2,034
SLIMICIDE J-12	7,523				7,523
SLIMICIDE J-9	15,920				15,920
SLIMICIDE 403	2,253				2,253
SOAP	40,407	2,182	1,556	957	45,102

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 1

AIRBORN. LIQUID
INDUSTRIAL WASTE SUBST. .S SUMMARY IN KILOGRAMS
RECORD-TO-DATE

SUBSTANCE IDENTIFICATION	1971-1979	1980	1981	1982	TOTAL
SODIUM ION	2,909,003	297,076	324,405	285,207	3,815,690
SODIUM PHOSPHATE	10				10
SPRA-SAF	862				862
SULFATE ION	10,379,218	807,654	755,124	824,440	12,766,436
SULFITE ION	7,676	238	208	185	8,308
SULFONATE	1,023	436	469	318	2,246
SULFONATES	1,416				1,416
SULFUR DIOXIDE	8,259				8,259
SULFURIC ACID		1			1
TDS	18,037,216	1,360,303	1,719,820	774,754	21,892,064
THIOCARBONS	17				17
THIOHYDROCARBONS	48		0		48
THIOUREA		1			1
TOLYTRIAZOLE			182	246	427
TOTAL HARDNESS	3,494,722	478,472	342,050	382,529	4,697,772
TRIVALENT CR	1,786	169			1,955
ZINC ION	2,330	55			2,386
	41,344,624	3,787,549	4,337,531	3,122,741	52,592,432

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 1

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN KILOGRAMS
FOR JANUARY THROUGH DECEMBER, 1982

SUBSTANCE IDENTIFICATION	ANL	CFA	CPP	LOF	NRF	PBF	TAN	TRA	WRF	TOTAL
AMIDES	70									70
AUTO CLEANERS		1,815								1,815
BETZ 45						37				37
BORON				1,163						1,163
CALCIUM ION	303	184			1,171					1,658
CARBONTHIOCYANATES	14									14
CHLORIDE ION	278	1,359	368,060	2,191	57,907	1	6,152	915	1,596	438,458
CHLOROSULFONES	56									56
CHROMATE ION						20				20
DIMETHYLAMINE	186									186
HEDP	219							764		983
HPA						3				3
HYDROCARBON-AMINES	11									11
HYDROCARBONS	139									139
HYDROXYCARBONS	8					4		82		94
HYPOCHLORITE ION	195	534	1,164		3,006			851		5,750
LAUNDRY PRODUCTS		5,682								5,682
MORPHOLINE	89									89
N-HYDROCARBON	36					20		380		436
NITRATE ION			123,210							123,210
NITRIC OXIDE			18,411							18,411
NITROGEN DIOXIDE			243,045							243,045
PHOSPHATE	499	98						1,738		2,335
PHOSPHATE ION				13	1,208		85	3,147	22	4,470
PHOSPHONATE					477					477
PHOTO LAB CHEMICAL	1,960									1,960
POLYACRYLATE	338							1,473		1,811
POLYHYDROXYCARBON						2				2
POLYMETHACRYLATE					259					259
POLYPHOSPHATE					1,112					1,112
POTASSIUM ION	79							275		354
SOAP		957								957
SODIUM ION	2,904	642	198,329	2,929	48,016	172	4,449	26,419	1,349	285,208
SULFATE ION	48,975		86,017	1,601	155,929	234	743	530,242	700	824,441
SULFITE ION				42			106		38	185
SULFONATE					318					318
TDS			109,049					665,705		774,754
TOLYTRIAZOLE	55							191		246
TOTAL HARDNESS								382,529		382,529
TOTAL	56,413	11,271	1,147,283	7,939	269,400	493	11,533	1,614,709	3,705	3,122,743

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING
0 IN A COLUMN INDICATES A TOTAL OF < 1

INFI . OIL SUMMARY

RECORD-TO-DATE

AREA	1971-1980 FUEL OIL (LITERS)	1971-1980 SO2 (KG)	1971-1980 PART. (KG)	1971-1980 DIESEL (LITERS)	1981 FUEL OIL (LITERS)	1981 SO2 (KG)	1981 PART. (KG)	1981 DIESEL (LITERS)	1982 FUEL OIL (LITERS)	1982 SO2 (KG)	1982 PART. (KG)	1982 DIESEL (LITERS)
ANL	20,688,118	202,775	18,871		930,265	3,622	1,226		1,732,383	6,745	2,283	
ARA	1,383,043	10,090	523	10,429	67,549	383			91,926	551		4,417
CFA	21,559,127	220,144	22,262	90,472	579,041	3,340		8,596	733,046	4,279		16,194
CPP	66,458,136	619,750	5,504		5,474,074	140,110			6,202,971	158,767		
LOF	171,448	1,090		17,039	163,904	1,000		10,220	158,642	1,040		20,441
MMD	58,267	1,835			431,952	3,196			705,220	4,284		
NRF	53,294,166	1,470,112	78,939		2,730,314	61,635	5,856		3,193,359	95,393	6,849	
PBF	1,257,444	7,612	231	250,973	96,677	642		16,587	144,580	1,121		53,305
TAN	30,317,747	660,013	36,306	109,660	1,572,361	30,600		46,044	1,495,621	25,605		
TRA	37,365,109	1,058,549	131,953	16,607,539*	1,215,736	44,903	6,046	1,828,754*	1,584,035	53,508	7,877	1,657,280*
WNC	259,111	1,722		18,877	36,789	208						
WRF	241,389	1,367			307,461	1,823		11,753	182,633	1,034		
	233,053,103	4,255,055	294,589	17,104,984	13,606,122	290,868	13,128	1,921,956	16,224,515	352,286	17,009	1,751,636

* TRA EMERGENCY GENERATOR

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL WATER USAGE SUMMARY IN THOUSAND LITERS

RECORD-TO-DATE

AREA	1971-1979	1980	1981	1982	TOTAL
ANL	4,273,929	537,087	546,005	449,117	5,806,138
ARA	1,099,087	128,356	137,448	115,452	1,480,343
CFA	3,779,535	422,818	383,512	374,145	4,960,010
CPP	14,452,048	1,578,053	2,073,624	2,098,493	20,202,218
LOF		696,021	520,835	1,230,649	2,447,505
MHD		4,849	18,711	89,586	113,146
NRF	17,586,053	1,204,479	1,603,398	1,233,440	21,627,370
PBF	378,452	71,020	31,486	82,563	563,521
TAN	3,903,079	71,082	69,062	61,841	4,105,064
TRA	39,063,187	2,458,791	2,296,455	2,196,030	46,214,463
WMC	253,476	14,444	33,457	34,262	335,639
WRF		124,797	114,812	66,341	305,950
	84,788,846	7,311,797	7,828,805	8,231,919	108,161,367

DETAIL MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

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

INEL MONTHLY WATER USAGE SUMMARY
DECEMBER 1982

(ALL VOLUMES = NEAREST THOUSAND LITERS)

AREA OF ORIGIN	MONTHLY VOLUME PUMPED	MONTHLY VOLUME DISPOSED: AIR	SURFACE	SUBSURFACE	SEWAGE	TOTAL	ACCOUNTABILITY (%)
ANL	11,167	4,999	2,364		1,853 *	7,217	64.6
ARA	11,091	*	10,534 *	*	556 *	11,091	100.0
CFA	22,122	*	1,019 *	382	0	1,401	6.3
CPP	205,163		*	201,378	3,747	205,125	100.0
LOF	15,073		14,819		170	14,990	99.4
NHO	613	15			598	613	99.9
NRF	78,431	49,322 *	18,889 *		4,739	72,950	93.0
PBF	5,711		3,376 *	2,036 *	228 *	5,641	98.8
TAN	4,815	*	3,130 *	*	1,685 *	4,815	100.0
TRA	220,974	1[illegible]6,398	101,143 *	1,708	1,725	220,974	100.0
WPC	6,977	*	689 *	6,204 *	83	6,977	100.0
WRF	5,163			5,019	143	5,162	100.0
GRAND TOTALS:	587,301	1[illegible]6,735	155,966	216,728	15,528	556,957	94.5

NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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

04/28/83

INEL YEAR-TO-DATE WATER USAGE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 2-I

(ALL VOLUMES = NEAREST THOUSAND LITERS)

AREA OF ORIGIN	YEARLY VOLUME PUMPED	YEARLY VOLUME DISPOSED: AIR	SURFACE	SUBSURFACE	SEWAGE	TOTAL	ACCOUNTABILITY (%)
ANL	449,117	297,755	147,527		22,130 *	377,412	84.0
ARA	115,452	*	108,774 *	*	6,677 *	115,452	100.0
CFA	374,145	*	99,002 *	10,382	132,410	231,795	64.6
CPP	2,098,493		*	2,044,060	54,054	2,098,114	100.0
LOF	1,230,649		1,042,142		2,044	1,044,186	84.8
MHD	89,586	3,986			85,561	89,547	100.0
NRF	1,233,440	634,830 *	500,473 *		60,589	1,165,891	94.5
PBF	82,563	5,815	41,099 *	30,392 *	2,738 *	80,044	96.9
TAN	61,841	*	39,447 *	*	22,308 *	61,755	99.9
TRA	2,396,030	1,143,449	1,051,870 *	151,829	19,376	2,386,523	99.6
WMC	34,262	*	2,588 *	30,670 *	999	34,257	100.0
WRF	66,341			61,665	1,839	63,503	95.7
GRAND TOTALS:	8,231,903	1,945,834	3,032,921	2,328,998	410,723	7,758,476	94.2

NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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UNITED STA DEPARTMENT OF ENERGY
INEL INDUSTRIAL WAS. MANAGEMENT INFORMATION SYSTEM

04/28/83

INEL INDUSTRIAL WASTE SUMMARY
DECEMBER AND YEAR-TO-DATE 1982

RPT 3-I

AREA OF ORIGIN / TYPE OF WASTE		MONTHLY VOLUME OR WEIGHT	UNITS	YEAR TO DATE VOLUME OR WEIGHT	UNITS
ANL					
DISPOSED WASTE					
1 - TRASH	SOLID	202.6	CU. METERS	2,452.2	CU. METERS
2 - CAFETERIA GARBAGE	SOLID	42.8	CU. METERS	501.6	CU. METERS
3 - WOOD AND SCRAP LUMBER	SOLID			3.1	CU. METERS
4 - MASONRY AND CONCRETE	SOLID			432.8	CU. METERS
5 - SCRAP METAL	SOLID	4.6	CU. METERS	28.3	CU. METERS
6 - OIL	LIQUID	83.3	LITERS	4,275.5	LITERS
9 - OTHER	SOLID			11.5	CU. METERS
ARA					
DISPOSED WASTE					
1 - TRASH	SOLID	22.9	CU. METERS	394.6	CU. METERS
2 - CAFETERIA GARBAGE	SOLID			1.5	CU. METERS
3 - WOOD AND SCRAP LUMBER	SOLID			1.5	CU. METERS
5 - SCRAP METAL	SOLID			1.5	CU. METERS
9 - OTHER	SOLID			47.0	CU. METERS
CFA					
DISPOSED WASTE					
1 - TRASH	SOLID	200.3	CU. METERS	1,970.7	CU. METERS
2 - CAFETERIA GARBAGE	SOLID	55.1	CU. METERS	552.8	CU. METERS
3 - WOOD AND SCRAP LUMBER	SOLID	85.3	CU. METERS	313.9	CU. METERS
4 - MASONRY AND CONCRETE	SOLID	9.2	CU. METERS	125.0	CU. METERS
5 - SCRAP METAL	SOLID	7.6	CU. METERS	72.3	CU. METERS
6 - OIL	LIQUID			1,529.3	LITERS
8 - CHEMICALS	SOLID			72.6	KILOGRAMS
9 - OTHER	SOLID	98.6	CU. METERS	500.5	CU. METERS
CPP					
DISPOSED WASTE					
1 - TRASH	SOLID	337.1	CU. METERS	3,603.0	CU. METERS
2 - CAFETERIA GARBAGE	SOLID	42.8	CU. METERS	537.9	CU. METERS
3 - WOOD AND SCRAP LUMBER	SOLID	22.9	CU. METERS	1,515.4	CU. METERS
4 - MASONRY AND CONCRETE	SOLID	14.5	CU. METERS	1,925.8	CU. METERS
5 - SCRAP METAL	SOLID	8.4	CU. METERS	78.8	CU. METERS
9 - OTHER	SOLID	6.1	CU. METERS	236.1	CU. METERS
LOF					
DISPOSED WASTE					
1 - TRASH	SOLID			12.2	CU. METERS
3 - WOOD AND SCRAP LUMBER	SOLID			5.4	CU. METERS

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

INEL INDUSTRIAL WASTE SUMMARY
DECEMBER AND YEAR-TO-DATE 1982

AREA OF ORIGIN / TYPE OF WASTE		MONTHLY VOLUME OR WEIGHT	UNITS	YEAR TO DATE VOLUME OR WEIGHT	UNITS
MHD					
DISPOSED WASTE					
1 - TRASH	SOLID	73.4	CU. METERS	880.9	CU. METERS
NRF					
DISPOSED WASTE					
1 - TRASH	SOLID	322.1	CU. METERS	3,674.2	CU. METERS
2 - CAFETERIA GARBAGE	SOLID	97.9	CU. METERS	1,083.5	CU. METERS
3 - WOOD AND SCRAP LUMBER	SOLID	6.9	CU. METERS	455.0	CU. METERS
4 - MASONRY AND CONCRETE	SOLID	2.7	CU. METERS	132.7	CU. METERS
5 - SCRAP METAL	SOLID	7.6	CU. METERS	296.7	CU. METERS
6 - OIL	LIQUID	6,056.5	LITERS	11,885.8	LITERS
8 - CHEMICALS	LIQUID	1.1	LITERS	16,092.4	LITERS
8 - CHEMICALS	SOLID			1,978.4	
9 - OTHER	LIQUID	94.6	LITERS	9,046.9	LITERS
9 - OTHER	SOLID	36.3	CU. METERS	599.6	CU. METERS
STORED WASTE					
3 - WOOD AND SCRAP LUMBER	SOLID			81.8	CU. METERS
5 - SCRAP METAL	SOLID			179.4	CU. METERS
6 - OIL	LIQUID			34,616.6	LITERS
9 - OTHER	SOLID			205.5	CU. METERS
PBF					
DISPOSED WASTE					
1 - TRASH	SOLID	74.2	CU. METERS	595.3	CU. METERS
3 - WOOD AND SCRAP LUMBER	SOLID	0.8	CU. METERS	44.7	CU. METERS
4 - MASONRY AND CONCRETE	SOLID			65.0	CU. METERS
9 - OTHER	SOLID			69.6	CU. METERS
TAN					
DISPOSED WASTE					
1 - TRASH	SOLID	198.8	CU. METERS	2,147.9	CU. METERS
2 - CAFETERIA GARBAGE	SOLID	24.5	CU. METERS	417.5	CU. METERS
3 - WOOD AND SCRAP LUMBER	SOLID			32.9	CU. METERS
4 - MASONRY AND CONCRETE	SOLID			9.6	CU. METERS
5 - SCRAP METAL	SOLID	4.6	CU. METERS	31.4	CU. METERS
9 - OTHER	SOLID			25.2	CU. METERS
TRA					
DISPOSED WASTE					
1 - TRASH	SOLID	135.3	CU. METERS	1,814.3	CU. METERS
2 - CAFETERIA GARBAGE	SOLID	12.2	CU. METERS	125.4	CU. METERS
3 - WOOD AND SCRAP LUMBER	SOLID	7.6	CU. METERS	935.5	CU. METERS

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

INEL INDUSTRIAL WASTE SUMMARY
DECEMBER AND YEAR-TO-DATE 1982

AREA OF ORIGIN / TYPE OF WASTE		MONTHLY VOLUME OR WEIGHT	UNITS	YEAR TO DATE VOLUME OR WEIGHT	UNITS
TRA					
DISPOSED WASTE					
4 - MASONRY AND CONCRETE	SOLID	0.2	CU. METERS	22.0	CU. METERS
5 - SCRAP METAL	SOLID	3.1	CU. METERS	6.1	CU. METERS
8 - CHEMICALS	LIQUID			3,687.3	LITERS
8 - CHEMICALS	SOLID			2,926.6	KILOGRAMS
9 - OTHER	SOLID			164.8	CU. METERS
WER					
DISPOSED WASTE					
1 - TRASH	SOLID			8.4	CU. METERS
3 - WOOD AND SCRAP LUMBER	SOLID	0.8	CU. METERS	13.6	CU. METERS
4 - MASONRY AND CONCRETE	SOLID			9.2	CU. METERS
9 - OTHER	SOLID			17.6	CU. METERS
WMC					
DISPOSED WASTE					
1 - TRASH	SOLID	14.5	CU. METERS	150.1	CU. METERS
2 - CAFETERIA GARBAGE	SOLID			13.8	CU. METERS
3 - WOOD AND SCRAP LUMBER	SOLID	0.8	CU. METERS	1.1	CU. METERS
4 - MASONRY AND CONCRETE	SOLID			35.9	CU. METERS
5 - SCRAP METAL	SOLID			1.5	CU. METERS
9 - OTHER	SOLID			9.2	CU. METERS
WRF					
DISPOSED WASTE					
3 - WOOD AND SCRAP LUMBER	SOLID			1.1	CU. METERS
9 - OTHER	SOLID			4.5	CU. METERS

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM
INEL INDUSTRIAL WASTE SUMMARY
DECEMBER AND YEAR-TO-DATE 1982

AREA OF ORIGIN / TYPE OF WASTE		MONTHLY VOLUME OR WEIGHT	UNITS	YEAR TO DATE VOLUME OR WEIGHT	UNITS
INEL GRAND TOTALS					
DISPOSED WASTE					
1 -TRASH	SOLID	1,581.3	CU. METERS	17,705.8	CU. METERS
2 -CAFETERIA GARBAGE	SOLID	279.3	CU. METERS	3,234.0	CU. METERS
3 -WOOD AND SCRAP LUMBER	SOLID	125.0	CU. METERS	3,322.3	CU. METERS
4 -MASONRY AND CONCRETE	SOLID	26.6	CU. METERS	2,758.0	CU. METERS
5 -SCRAP METAL	SOLID	35.9	CU. METERS	516.5	CU. METERS
6 -OIL	LIQUID	6,139.8	LITERS	17,690.6	LITERS
8 -CHEMICALS	LIQUID	1.1	LITERS	19,779.7	LITERS
8 -CHEMICALS	SOLID			4,977.5	KILOGRAMS
9 -OTHER	LIQUID	94.6	LITERS	9,046.9	LITERS
9 -OTHER	SOLID	141.1	CU. METERS	1,687.5	CU. METERS
STORED WASTE					
3 -WOOD AND SCRAP LUMBER	SOLID			81.8	CU. METERS
5 -SCRAP METAL	SOLID			179.4	CU. METERS
6 -OIL	LIQUID			34,616.6	LITERS
9 -OTHER	SOLID			205.5	CU. METERS

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

08/20/83

INEL AIRBORNE AND LIQUID DISPOSED SUBSTANCES SUMMARY
DECEMBER AND YEAR-TO-DATE 1982

RPT A-I

ALL FACILITIES	MONTHLY				YEAR TO DATE			
SUBSTANCES	ATMOSPHERE (KILOS)	SURFACE (KILOS)	SUBSURFACE (KILOS)	TOTAL (KILOS)	ATMOSPHERE (KILOS)	SURFACE (KILOS)	SUBSURFACE (KILOS)	TOTAL (KILOS)
AMIDES		6		6		70		70
AUTO CLEANERS			151	151			1,815	1,815
BETZ 45						37		37
BORON		61		61		1,163		1,163
CALCIUM ION		150	18	169		1,474	184	1,658
CARBONTHIOCYANATES		1		1		14		14
CHLORIDE ION		8,128	43,044	51,172		130,578	307,879	438,456
CHLOROSULFONES		5		5		56		56
CHROMATE ION						20		20
DIMETHYLAMINE						186		186
HEDP		69		69	2	830	151	983
HPA						3		3
HYDROCARBON-AMINES		3		3		11		11
HYDROCARBONS		12		12		139		139
HYDROXYCARBONS		10		10		71	23	94
HYPOCHLORITE ION		422	12	433		3,998	1,752	5,750
LAUNDRY PRODUCTS			494	494			5,682	5,682
MORPHOLINE		1		1		89		89
N-HYDROCARBON		48		48		329	108	436
NITRATE ION			22,152	22,152		10,582	112,628	123,210
NITRIC OXIDE	5,034			5,034	18,411			18,411
NITROGEN DIOXIDE	69,613			69,613	243,045			243,045

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

INEL AIRBORNE AND LIQUID DISPOSED SUBSTANCES SUMMARY
DECEMBER AND YEAR-TO-DATE 1982

ALL FACILITIES	MONTHLY				YEAR TO DATE			
SUBSTANCES	ATMOSPHERE (KILOS)	SURFACE (KILOS)	SUBSURFACE (KILOS)	TOTAL (KILOS)	ATMOSPHERE (KILOS)	SURFACE (KILOS)	SUBSURFACE (KILOS)	TOTAL (KILOS)
PHOSPHATE		158	8	166	6	1,887	442	2,335
PHOSPHATE ION		377	5	383		3,771	699	4,470
PHOSPHONATE		53		53		477		477
PHOTO LAB CHEMICAL		163		163		1,960		1,960
POLYACRYLATE		111		111	4	1,566	241	1,811
POLYHYDROXYCARBON						2		2
POLYMETHACRYLATE		35		35		259		259
POLYPHOSPHATE		122		122		1,112		1,112
POTASSIUM ION		25		25	1	299	54	354
SOAP			52	52			957	957
SODIUM ION		6,590	26,219	32,809	1	96,176	189,029	285,205
SULFATE ION		51,385	8,691	60,076		711,169	113,271	824,440
SULFITE ION		19	5	24		148	38	185
SULFONATE		35		35		318		318
TDS		74,997		74,997		561,434	213,319	774,754
TOLYTRIAZOLE		17		17	1	207	38	246
TOTAL HARDNESS		39,077		39,077		323,419	59,110	382,529

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

INEL MONTHLY FUEL OIL SUMMARY
DECEMBER 1982

AREA OF ORIGIN	FUEL OIL IN LITERS					KILOGRAMS DISCHARGED		
	TYPE 2	TYPE 5	TYPE 6	KEROSENE	DIESEL	SO2	NOX	PARTICULATES
ANL	423,197					1,648		558
ARA	10,012					57		
CFA	77,523				13,892	535		
CPP		772,601				19,765		
LOF	57,265				3,785	339		
MHD	29,045					175		
NRF		514,422				12,870	1,664	1,103
PBF	23,348				140	133		
TAN	9,395	166,480				4,473		
TRA		239,042			164,168	7,482		1,189
WRF	25,551					145		
GRAND TOTALS	653,335	1,692,103	0	0	181,986	47,621	1,664	2,850

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

INEL YEAR-TO-DATE FUEL OIL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 6-I

AREA OF ORIGIN	FUEL OIL IN LITERS					KILOGRAMS DISCHARGED		
	TYPE 2	TYPE 5	TYPE 6	KEROSENE	DIESEL	SO2	NOX	PARTICULATES
ANL	1,732,483					6,745		2,283
ARA	91,926				4,417	551		
CFA	733,046				16,194	4,279		
CPP		6,202.971				158,767		
LOF	158,642				20,441	1,040		
MHD	705,220					4,244		
NRF		3,193.359				95,393	10,332	6,849
PBF	144,580				53,305	1,121		
TAN	675,536	820.085				25,405		
TRA		1,584.035			1,657,280	53,508		7,877
WRF	182,633					1,034		
GRAND TOTALS	4,424,066	11,800,449	0	0	1,751,636	352,286	10,332	17,009

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UNITED ST. DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

08/28/87

ANL AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 118-I
ANL-A

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
HEDP WEIGHT (KGS)	0	0	0		0	0	0	0	0	0	0		2
PHOSPHATE WEIGHT (KGS)	0	0	1		0	1	1	1	0	1	0		6
POLYACRYLATE WEIGHT (KGS)	0	0	0		0	0	0	1	0	0	0		8
POTASSIUM ION WEIGHT (KGS)	0	0	0		0	0	0	0	0	0	0		1
SODIUM ION WEIGHT (KGS)	0	0	0		0	0	0	0	0	0	0		1
TOLYTRIAZOLE WEIGHT (KGS)	0	0	0		0	0	0	0	0	0	0		1

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

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ANL AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 114-I
ANL-A

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
COOLING TOWER 757													
VOLUME	407	328	484		305	576	444	594	264	462	532		4,395
HEDP													
CONC. (CC/CM)	0.41	0.44	0.52		0.50	0.65	0.60	0.60	0.89	1.04	0.43		0.60
WEIGHT (KGS)	0	0	0		0	0	0	0	0	0	0		2
PHOSPHATE													
CONC. (CC/CM)	0.93	0.99	1.17		1.14	1.47	1.36	1.35	2.02	2.37	0.98		1.37
WEIGHT (KGS)	0	0	1		0	1	1	1	0	1	0		6
POLYACRYLATE													
CONC. (CC/CM)	0.73	0.70	0.85		0.70	0.69	0.95	0.99	1.65	1.52	0.81		0.94
WEIGHT (KGS)	0	0	0		0	0	0	1	0	0	0		4
POTASSIUM ION													
CONC. (CC/CM)	0.15	0.16	0.19		0.18	0.23	0.22	0.21	0.32	0.37	0.16		0.22
WEIGHT (KGS)	0	0	0		0	0	0	0	0	0	0		1
SODIUM ION													
CONC. (CC/CM)	0.23	0.25	0.29		0.28	0.36	0.34	0.33	0.50	0.59	0.24		0.34
WEIGHT (KGS)	0	0	0		0	0	0	0	0	0	0		1
TOLYTRIAZOLE													
CONC. (CC/CM)	0.10	0.11	0.13		0.13	0.16	0.15	0.15	0.22	0.26	0.11		0.15
WEIGHT (KGS)	0	0	0		0	0	0	0	0	0	0		1

NOTE: UNDERLINE CALCULATED CONCENTRATION

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

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ANL LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 115-I
ANL-B

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
AMIDES WEIGHT (KGS)	10	10	11	6	10	7	2				10	6	78
CALCIUM ION WEIGHT (KGS)	32	31	36	16	49	53	36	13	10	11	11	3	303
CARBONTHIOCYANATES WEIGHT (KGS)	2	2	2	1	2	1	0				2	1	14
CHLORIDE ION WEIGHT (KGS)	26	29	28	19	34	36	28	18	17	17	17	13	278
CHLOROSULFONES WEIGHT (KGS)	8	4	9	4	8	5	1				8	5	56
DIMETHYLAMINE WEIGHT (KGS)	18	14	23		9	23	23	23	9	18	23		186
HEDP WEIGHT (KGS)	14	12	15	2	13	35	27	39	17	25	9	6	217
HYDROCARBON-AMINES WEIGHT (KGS)	1	2	1	1	1	1	1		1	0	1	3	11
HYDROCARBONS WEIGHT (KGS)	19	19	21	11	20	13	3				19	12	139
HYDROXYCARBONS WEIGHT (KGS)						2	1	2	2	2			8
HYPOCHLORITE ION WEIGHT (KGS)	20	21	23	10	31	34	23	8	6	7	7	2	195
MORPHOLINE WEIGHT (KGS)	8	4	8	15	4	8	8	8	0	8	16	1	89
N-HYDROCARBON WEIGHT (KGS)						7	3	8	8	8			36
PHOSPHATE WEIGHT (KGS)	32	24	41	4	30	79	61	89	39	56	21	14	493
PHOTO LAB CHEMICAL WEIGHT (KGS)	163	163	163	163	163	163	163	163	163	163	163	163	1,960

IDAHO OPERATIONS OFFICE
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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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ANL LIQUID DISPOSED SUBSTANCES SUMMARY
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RPT 115-I
ANL-8

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
POLYACRYLATE WEIGHT (KGS)	25	20	30	4	18	37	42	65	32	36	17	9	335
POTASSIUM ION WEIGHT (KGS)	5	4	7	1	5	13	10	14	6	9	3	2	78
SODIUM ION WEIGHT (KGS)	340	254	301	192	207	186	164	271	300	221	213	252	2,903
SULFATE ION WEIGHT (KGS)	3,946	3,604	5,053	969	3,392	6,509	5,330	6,922	3,704	5,398	3,115	1,038	48,975
TOLYTRIAZOLE WEIGHT (KGS)	3	1	5	0	3	9	7	10	4	6	2	2	54

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ANL LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 115-I
ANL-B

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
FACILITY 779 SURFACE													
VOLUME	1,773	1,674	1,916	2,947	1,511	1,680	2,222	1,538	1,552	1,325	1,639	1,807	21,585
H2 CONC. (PH)													
CHLORIDE ION													
CNC. (CC/CM)	6.72	7.11	5.21	4.04	7.88	7.09	5.36	7.74	7.67	8.99	7.26	6.59	6.62
WEIGHT (KGS)	12	12	12	12	12	12	12	12	12	12	12	12	145
INDUSTRIAL POND 746 SURFACE													
VOLUME	11,193	11,810	14,528	19,646	11,776	16,572	14,619	19,714	10,406	11,500	3,400	2,364	147,528
H2 CONC. (PH)													
AMIDES													
CNC. (CC/CM)	0.86	0.82	0.73	0.28	0.86	0.40	0.10				2.84	2.58	0.47
WEIGHT (KGS)	10	10	11	6	10	7	2				10	6	78
CALCIUM ION													
CNC. (CC/CM)	2.82	2.80	2.47	0.80	4.15	3.21	2.46	0.66	0.97	1.00	3.38	1.22	2.06
WEIGHT (KGS)	32	33	36	16	49	53	36	13	10	11	11	3	383
CARBONTHIOCYANATES													
CNC. (CC/CM)	0.17	0.16	0.15	0.06	0.17	0.08	0.02				0.57	0.52	0.09
WEIGHT (KGS)	2	2	2	1	2	1	0				2	1	18
CHLORIDE ION													
CNC. (CC/CM)	1.25	1.24	1.09	0.36	1.83	1.43	1.10	0.30	0.45	0.46	1.50	0.54	0.92
WEIGHT (KGS)	14	15	16	7	22	24	16	6	5	5	5	1	135
CHLOROSULFONES													
CNC. (CC/CM)	0.69	0.65	0.59	0.23	0.69	0.32	0.08				2.27	2.07	0.38
WEIGHT (KGS)	8	8	9	4	8	5	1				8	5	56
DIMETHYLAMINE													
CNC. (CC/CM)	1.62	1.54	1.56		0.77	1.37	1.55	1.15	0.87	1.58	6.67		1.26
WEIGHT (KGS)	18	18	23		9	23	23	23	9	18	23		186

NOTES UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

IDAHO OPERATIONS OFFICE
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ANL LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 115-I
ANL-B

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
HEDP													
CNC. (CC/CM)	1.25	1.04	1.24	0.09	1.11	2.10	1.82	1.99	1.63	2.15	2.69	2.61	1.47
WEIGHT (KGS)	14	12	18	2	13	35	27	39	17	25	9	6	217
HYDROCARBON-AMINES													
CNC. (CC/CM)	0.09	0.13	0.05	0.07	0.05	0.04	0.04		0.08	0.04	0.15	1.10	0.07
WEIGHT (KGS)	1	2	1	1	1	1	1		1	0	1	3	11
HYDROCARBONS													
CNC. (CC/CM)	1.72	1.63	1.47	0.57	1.73	0.80	0.21				5.68	5.16	0.98
WEIGHT (KGS)	19	19	21	11	20	13	3				19	12	139
HYDROXYCARBONS													
CNC. (CC/CM)						0.09	0.05	0.09	0.17	0.15			0.05
WEIGHT (KGS)						2	1	2	2	2			8
HYPOCHLORITE ION													
CNC. (CC/CM)	1.81	1.80	1.59	0.52	2.66	2.06	1.58	0.42	0.62	0.64	2.17	0.78	1.32
WEIGHT (KGS)	20	21	23	10	31	34	23	8	6	7	7	2	195
MORPHOLINE													
CNC. (CC/CM)	0.73	0.37	0.56	0.78	0.35	0.49	0.55	0.40	0.02	0.70	4.72	0.28	0.60
WEIGHT (KGS)	8	4	8	15	4	8	8	8	0	8	16	1	89
N-HYDROCARBON													
CNC. (CC/CM)						0.43	0.23	0.43	0.81	0.70			0.24
WEIGHT (KGS)						7	3	8	8	8			36
PHOSPHATE													
CNC. (CC/CM)	2.84	2.38	3.83	0.20	2.51	4.78	4.15	4.52	3.71	4.88	6.12	5.93	3.38
WEIGHT (KGS)	32	28	41	4	30	79	61	89	39	56	21	16	493
PHOTO LAB CHEMICAL													
CNC. (CC/CM)	14.59	13.83	11.24	8.31	13.87	9.85	11.17	8.28	15.69	14.20	48.03	69.07	13.28
WEIGHT (KGS)	163	163	163	163	163	163	163	163	163	163	163	163	1,960

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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UNITED ST DEPARTMENT OF ENERGY
INEL INDUSTRIAL WA MANAGEMENT INFORMATION SYSTEM

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ANL LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 115-I
ANL-B

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
POLYACRYLATE													
CNC. (CC/CM)	2.22	1.68	2.08	0.19	1.56	2.25	2.89	3.30	3.03	3.13	5.01	3.74	2.27
WEIGHT (KGS)	25	20	30	4	18	37	42	65	32	34	17	9	335
POTASSIUM ION													
CNC. (CC/CM)	0.45	0.38	0.65	0.03	0.40	0.76	0.66	0.72	0.59	0.77	0.97	0.94	0.53
WEIGHT (KGS)	5	4	7	1	5	13	10	14	6	9	3	2	78
SODIUM ION													
CNC. (CC/CM)	30.36	21.68	24.70	9.77	17.55	11.20	11.25	13.75	28.82	19.26	62.56	106.88	19.68
WEIGHT (KGS)	340	256	301	192	207	186	164	271	300	221	213	252	2,983
SULFATE ION													
CNC. (CC/CM)	352.56	304.84	347.81	49.32	288.04	392.77	364.58	351.11	355.91	469.38	916.26	439.14	331.98
WEIGHT (KGS)	3,946	3,600	5,053	969	3,392	6,509	5,330	6,922	3,704	5,398	3,115	1,038	48,975
TOLYTRIAZOLE													
CNC. (CC/CM)	0.31	0.26	0.31	0.02	0.28	0.53	0.46	0.50	0.41	0.54	0.67	0.65	0.37
WEIGHT (KGS)	3	3	5	0	3	9	7	10	4	6	2	2	54

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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ANL INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 116-I
ANL

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
ANL BOILERS													
DISPOSED WASTE													
6 L LIQUID	37.9	219.4	22.7	458.0	26.5	9.5	2316.6	1048.5		53.0		83.3	4,275.5
WASTE OIL													
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID	229.4	183.5	214.1	214.1	183.5	244.7	206.5	192.7	122.3	336.4	122.3	202.6	2,452.2
2 M SOLID	48.9	36.7	36.7	42.8	48.9	48.9	42.8	42.8	18.4	67.3	24.5	42.8	501.6
3 M SOLID										2.3	0.8		3.1
SCRAP LUMBER													
4 M SOLID					30.6		35.2	367.0					432.8
CONCRETE													
5 M SOLID								2.3		2.3		4.6	9.2
METAL SHAVINGS													
5 M SOLID	6.1		3.1				3.1						12.3
SCRAP METAL													
5 M SOLID											3.1		3.1
STEEL SHAVINGS													
5 M SOLID								3.8					3.8
TIN													
9 M SOLID											7.6		7.6
ASPHALT													
9 M SOLID				3.8									3.8
ROOFING													
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID	229.4	183.5	214.1	214.1	183.5	244.7	206.5	192.7	122.3	336.4	122.3	202.6	2,452.2
2 M SOLID	48.9	36.7	36.7	42.8	48.9	48.9	42.8	42.8	18.4	67.3	24.5	42.8	501.6
3 M SOLID										2.3	0.8		3.1
4 M SOLID					30.6		35.2	367.0					432.8
5 M SOLID	6.1		3.1				3.1	6.1		2.3	3.1	4.6	28.3
6 L LIQUID	37.9	219.4	22.7	458.0	26.5	9.5	2316.6	1048.5		53.0		83.3	4,275.5
9 M SOLID				3.8							7.6		11.5

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

04/28/8'

ANL WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 117-I
ANL

(ALL VOLUMES @ NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
1 WATER PUMPED (L)	16,591	15,804	21,190	11,326	17,715	27,958	24,741	33,155	16,530	20,804	13,161	5,583	224,559
2 WATER PUMPED (L)	16,591	15,804	21,190	11,326	17,715	27,958	24,741	33,155	16,530	20,804	13,161	5,583	224,559
WATER PUMPED (L)	33,182	31,607	42,380	22,651	35,430	55,916	49,481	66,311	33,061	41,608	26,323	11,167	449,118
WATER DISPOSAL													
AIR (L)	18,431	14,734	17,549	9	12,950	27,133	22,451	33,534	16,595	20,372	20,997	2,999	207,755
SURFACE (L)	11,193	11,814	14,528	19,646	11,776	16,572	14,619	19,714	10,406	11,500	3,400	2,364	147,527
SUBSURFACE (L)													
SEWAGE DATA													
720 BUILD VOL. (L) *	45	45	45	45	45	45	45	45	45	45	45	45	585
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													

NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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ANL WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 117-I
ANL

(ALL VOLUMES @ NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
SEWAGE DATA													
779 BUILD VOL. (L) *	1,773	1,674	1,916	2,947	1,511	1,680	2,222	1,538	1,592	1,325	1,639	1,807	21,585
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)					450.0	300.0							375.0
FINAL CONC. (MG/L)					60.0	50.0							55.0
% REMOVED					86.7	83.3							85.3
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)					0.6	0.4							0.5
FINAL CONC. (MG/L)					9.5	3.4							6.4
INCREASED FACTOR					14.8	7.5							11.0
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL					9.9	7.6							8.8
TOTAL SEWAGE VOL. (L)	1,818	1,720	1,961	2,993	1,556	1,725	2,268	1,583	1,597	1,371	1,685	1,853	22,130
TOTAL WATER DISPOSED (L)	31,442	28,264	34,038	22,447	26,282	45,430	39,337	54,831	28,598	29,243	26,082	7,217	377,412
ACCOUNTABILITY (%)	94.8	89.4	80.3	100.0	74.2	81.2	79.5	82.7	86.5	79.9	99.1	64.6	84.0

NOTE: "*" IN COLUMNS 1 TE A PORTION OF VOLUME IS ESTIMATED

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ANL FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 118-I
ANL

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE / EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TYPE 2													
VOLUME (LITERS)	192	209	74	277	127	149	42	2	118	74	58	423	1,732
SO2 (KGS)	1	1	0	1	0	1	0	0	0	0	0	2	7
NOX (KGS)													
PARTICULATES (KGS)	0	0	0	0	0	0	0	0	0	0	0	1	2
GRAND TOTALS													
SO2 (KGS)	1	1	0	1	0	1	0	0	0	0	0	2	7
NOX (KGS)													
PARTICULATES (KGS)	0	0	0	0	0	0	0	0	0	0	0	1	2

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

04/28/83

ARA INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 126-1
ARA

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID	22.9		30.6	24.5	18.4	98.1	80.3	54.3	46.6			22.9	394.6
2 M SOLID									1.5				1.5
3 M SOLID								1.5					1.5
5 M SOLID						1.5							1.5
9 M SOLID							5.4	4.6					9.9
OTHER-ROOFING													
9 M SOLID						37.1							37.1
ROOF TEAROFF													
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID	22.9		30.6	24.5	18.4	98.1	80.3	54.3	46.6			22.9	394.6
2 M SOLID									1.5				1.5
3 M SOLID								1.5					1.5
5 M SOLID						1.5							1.5
9 M SOLID						37.1	5.4	4.6					47.0

IL OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

ARA WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 127-I
ARA

(ALL VOLUMES @ NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
2 WATER PUMPED (L)	4,928	4,928	5,920	4,584	4,868	5,057	7,306	6,598	6,923	7,101	4,414	7,124	69,752
3 WATER PUMPED (L)	2,953	2,953	4,512	2,741	3,342	3,180	4,588	5,246	4,963	4,175	3,081	3,967	45,700
WATER PUMPED (L)	7,881	7,881	10,432	7,325	8,210	8,237	11,893	11,844	11,886	11,276	7,495	11,091	115,452
WATER DISPOSAL													
AIR (L) *													
SURFACE (L) *	7,325	7,325	9,876	6,768	7,654	7,680	11,337	11,288	11,329	10,720	6,938	10,534	108,774
SUBSURFACE (L) *													
SEWAGE DATA													
BUILD VOL. (L) *	556	556	556	556	556	556	556	556	556	556	556	556	6,677
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 VOL. (L)	556	556	556	556	556	556	556	556	556	556	556	556	6,677
TOTAL WATER DISPOSED (L)	7,881	7,881	10,432	7,325	8,210	8,237	11,893	11,844	11,886	11,276	7,495	11,091	115,452
ACCOUNTABILITY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

- NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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ARA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 128-I
ARA

(ALL VALUES @ NEAREST THOUSAND)

FUEL OIL TYPE / EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DIESEL													
VOLUME (LITERS)		0											0
SO2 (KGS)		0											0
NOX (KGS)													
PARTICULATES (KGS)													
TYPE 2													
VOLUME (LITERS)	18	28	15							16	10	10	92
SO2 (KGS)	0	0	0							0	0	0	1
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS													
SO2 (KGS)	0	0	0							0	0	0	1
NOX (KGS)													
PARTICULATES (KGS)													

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

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CFA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 135-I
CFA-B

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
AUTO CLEANERS WEIGHT (KGS)	151	151	151	151	151	151	151	151	151	151	151	151	1,815
CALCIUM ION WEIGHT (KGS)	15	14	13	6	9	9	18	17	15	23	20	18	184
CHLORIDE ION WEIGHT (KGS)	120	120	125	117	118	122	126	121	118	93	92	91	1,359
HYPOCHLORITE ION WEIGHT (KGS)	54	54	62	50	51	58	63	56	46	15	13	12	534
LAUNDRY PRODUCTS WEIGHT (KGS)	426	454	382	396	401	401	593	591	492	592	460	494	5,682
PHOSPHATE WEIGHT (KGS)	8	4	8	8	8	8	8	8	8	8	8	8	98
SOAP WEIGHT (KGS)	95	151	73	77	59	59	86	78	83	60	82	52	957
SODIUM ION WEIGHT (KGS)	54	54	54	54	54	54	54	54	54	54	54	54	642

IDAHO OPERATIONS OFFICE
UNITED STATES DEPARTMENT OF ENERGY
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CPA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 135-I
CPA-B

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
SEWAGE PLANT	SUBSURFACE												
VOLUME	13,127	10,883	22,579	21,523	13,090	13,695	68,930	14,551	19,956	539	395	382	199,650
H2 CONC. (PH)	7.6	7.7	7.7	7.8	7.5	7.8	7.8	7.7	7.3				7.7
AUTO CLEANERS													
CNC. (CC/CM)	11.52	13.90	4.70	7.03	11.56	11.04	2.19	10.40	7.58	280.82	382.77	396.04	9.09
WEIGHT (KGS)	151	151	151	151	151	151	151	151	151	151	151	151	1,815
CALCIUM ION													
CNC. (CC/CM)	1.10	1.79	0.59	0.30	0.71	0.67	0.27	1.14	0.75	43.51	51.24	47.59	0.92
WEIGHT (KGS)	15	19	13	6	9	9	18	17	15	23	20	18	184
CHLORIDE ION													
CNC. (CC/CM)	9.11	11.05	5.53	5.43	8.97	8.94	1.83	8.33	5.72	172.55	231.62	237.28	6.80
WEIGHT (KGS)	120	120	125	117	118	122	126	121	114	93	92	91	1,359
HYPOCHLORITE ION													
CNC. (CC/CM)	4.09	5.02	2.72	2.33	3.87	4.22	0.92	3.87	2.29	27.93	32.89	30.58	2.67
WEIGHT (KGS)	54	55	62	50	51	58	63	56	46	15	13	12	534
LAUNDRY PRODUCTS													
CNC. (CC/CM)	32.48	41.72	14.91	18.42	30.60	29.25	8.60	40.62	24.64	1099.77	1165.01	1293.30	28.46
WEIGHT (KGS)	426	454	382	396	401	401	593	591	492	592	460	494	5,682
PHOSPHATE													
CNC. (CC/CM)	0.62	0.75	0.36	0.38	0.62	0.60	0.12	0.56	0.81	15.16	20.66	21.38	0.49
WEIGHT (KGS)	8	8	8	8	8	8	8	8	8	8	8	8	98
SOAP													
CNC. (CC/CM)	7.26	13.88	3.25	3.58	4.58	4.34	1.25	5.36	4.16	111.16	207.75	135.39	4.79
WEIGHT (KGS)	95	151	73	77	59	59	86	78	83	60	82	52	957
SODIUM ION													
CNC. (CC/CM)	4.08	4.91	2.37	2.49	4.09	3.91	0.77	3.68	2.68	99.33	135.39	140.09	3.21
WEIGHT (KGS)	54	54	54	54	54	54	54	54	54	54	54	54	642

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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CFA INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 136-I
CFA

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID	156.8	248.1	113.5	132.7	98.1	175.1	172.8	198.4	201.7	229.4	48.2	200.3	1,970.7
2 M SOLID	45.9	65.9	50.5	44.7	61.2	39.8	37.8	26.8	39.8	61.2	24.5	55.1	552.8
3 M SOLID	12.2	25.8	17.2	27.9	21.0	14.1	19.1	87.4	35.2	7.6	1.5	85.3	313.9
4 M SOLID			4.6	1.5	22.9	8.4	19.9	6.1	21.8	16.1	14.5	9.2	125.0
5 M SOLID			6.1	9.2	0.4	8.8	22.2		5.4	9.9	3.1	7.6	72.3
6 L LIQUID										1529.3			1,529.3
SUMP SLUDGE													
8 NG SOLID				72.6									72.6
CALCIUM HYPOCLORITE													
9 M SOLID									6.1				6.1
ASPHALT													
9 M SOLID									30.6				30.6
DIRT													
9 M SOLID									2.3				2.3
GLASS													
9 M SOLID										25.2			25.2
GRAVEL AND DIRT													
9 M SOLID								61.2					61.2
OTHER-ASPHALT													
9 M SOLID						15.3	91.8					95.6	202.6
OTHER-DIRT													
9 M SOLID		3.1		3.1			0.8					3.1	9.9
OTHER-GLASS													
9 M SOLID						18.4	1.5						19.9
OTHER-GRASS													
9 M SOLID						4.6							4.6
OTHER-GRAVEL													
9 M SOLID					26.0	35.9	39.4	3.1					104.4
OTHER-ROOFING													
9 M SOLID					1.9								1.9
OTHER-RUBBER													
9 M SOLID											10.3		10.3
OTHER-SOD													
9 M SOLID								5.4					5.4
OTHER-WEEDS													
9 M SOLID									0.8	0.8			1.5
ROOFING													
9 M SOLID									13.8	0.8			14.5
WEEDS													

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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CFA INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 136-I
CFA

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID	156.4	248.1	113.5	132.7	94.1	175.1	172.8	198.8	201.7	229.4	48.2	200.3	1,970.7
2 M SOLID	45.9	65.4	50.5	44.7	61.2	39.8	37.8	26.8	39.8	61.2	24.5	55.1	552.8
3 M SOLID	12.2	25.8	17.2	27.9	21.0	14.1	19.1	47.8	35.2	7.6	1.5	85.3	313.9
4 M SOLID			4.6	1.5	22.9	8.4	19.9	6.1	21.8	16.1	14.5	9.2	125.0
5 M SOLID			6.1	9.2	0.4	8.4	22.2		5.4	9.9	3.1	7.6	72.3
6 L LIQUID										1529.3			1,529.3
8 KG SOLID				72.6									72.6
9 M SOLID		3.1		3.1	27.9	74.2	133.4	69.6	53.5	26.8	10.3	98.6	500.5

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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CFA WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 137-I
CFA

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
F32 WATER PUMPED (L)	845	845	1,090	76	101	202	943	187	69	98	24	1,349	5,830
1 WATER PUMPED (L)	91	91	69	2,294	1,041	6,889	27,561	46,635	36,668	28,903	18,828	10,076	175,130
2 WATER PUMPED (L)	14,687	14,687	20,751	19,347	24,449	36,487	41,373	3,596	1,728	4,944	437	10,697	193,178
WATER PUMPED (L)	15,623	15,623	21,910	21,716	25,591	43,578	69,877	50,418	38,457	29,945	19,286	28,122	374,167
WATER DISPOSAL													
AIR (L) *													
SURFACE (L) *	82	195	354	12	6,072	18,567	37,777	25,327	7,188	1,466	943	1,019	99,002
SUBSURFACE (L)	600	415	783	1,132	832	1,536	3,039	471	255	539	395	382	10,382
SEWAGE DATA													
691 BUILD VOL. (L)	12,526	10,464	19,676	20,391	12,257	12,158	11,159	18,078	19,699				132,410
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	34.0	81.0	55.0	99.0	52.0	77.0	47.0	67.0	33.0				49.6
FINAL CONC. (MG/L)	22.0	23.0	24.0	28.0	30.0	28.0	28.0	28.0	25.0				26.2
% REMOVED	35.3	71.6	56.4	71.7	42.3	63.6	40.4	58.2	24.2				56.8
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	2.7	2.1	3.0	2.0	2.8	2.6	2.8	1.5	2.5				2.5
FINAL CONC. (MG/L)	4.0	4.0	4.0	4.3	4.8	4.4	4.8	4.8	4.5				4.4
INCREASED FACTOR	0.5	0.7	0.3	1.1	0.7	0.7	0.7	2.2	0.8				0.8
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	1.3	1.4	2.6	1.9	0.8	1.3	0.9	2.5	0.9				1.5
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL	7.6	7.7	7.7	7.8	7.5	7.8	7.8	7.7	7.3				7.7
TOTAL SEWAGE VOL. (L)	12,526	10,464	19,676	20,391	12,257	12,158	11,159	18,078	19,699				132,410
TOTAL WATER DISPOSED (L)	13,208	11,079	20,813	21,535	19,160	32,262	51,976	39,876	27,142	2,004	1,338	1,401	241,795
ACCOUNTABILITY (%)	84.5	70.9	95.0	99.2	74.9	74.0	74.8	79.1	70.6	6.7	6.9	6.3	64.6

NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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CFA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 138-I
CFA

(ALL VALUES @ NEAREST THOUSAND)

FUEL OIL TYPE / EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DIESEL													
VOLUME (LITERS)	2											14	16
SO2 (KGS)	0											0	0
NOX (KGS)													
PARTICULATES (KGS)													
TYPE 2													
VOLUME (LITERS)	160	91	69	52	56	20	25	29	15	51	87	74	733
SO2 (KGS)	1	1	0	0	0	0	0	0	0	0	0	0	4
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS													
SO2 (KGS)	1	1	0	0	0	0	0	0	0	0	0	1	4
NOX (KGS)													
PARTICULATES (KGS)													

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CPP AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 144-I
CPP-A

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
NITRIC OXIDE WEIGHT (KGS)		984				5,768				0	6,622	5,038	18,411
NITROGEN DIOXIDE WEIGHT (KGS)		2,514				79,600				4	91,309	69,613	243,045

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

CPP AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
STACK 708													
VOLUME	113,016	118,017				122,000				12	133,000	126,590	612,635
NITRIC OXIDE													
CONC. (CC/CM)		7.50				42.45				22.40	44.70	35.70	26.98
WEIGHT (KGS)		986				5,768				0	6,622	5,038	18,411
NITROGEN DIOXIDE													
CONC. (CC/CM)		12.50				382.10				202.00	402.00	322.00	232.31
WEIGHT (KGS)		2,519				79,600				4	91,309	69,613	243,045

NOTE: UNDERLI CALCULATED CONCENTRATION

CPP LIQUID DISPOSED SUBSTANCES SUMMARY RPT 145-I
FOR JANUARY THROUGH DECEMBER 1982 CPP-8

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION													
WEIGHT (KGS)	19,835	42,247	44,908	34,190	21,208	34,265	26,697	18,178	22,555	41,944	19,341	42,692	368,060
HYPOCHLORITE ION													
WEIGHT (KGS)	36	33	30	35	903	32	31	35	30				1,164
NITRATE ION													
WEIGHT (KGS)	5,925	5,163	6,359	7,102	13,460	10,084	6,802	10,865	26,174	4,078	5,047	22,158	123,210
SODIUM ION													
WEIGHT (KGS)	20,366	22,864	24,310	22,265	11,718	21,008	13,204	11,690	15,046		9,876	25,978	198,329
SULFATE ION													
WEIGHT (KGS)	9,813	9,404	8,042	9,021	6,492	7,353	5,068	5,020	7,165	7,185	2,795	8,659	86,017
TDS													
WEIGHT (KGS)	109,049												109,049

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CPP LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 145-I
CPP-8

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
DISPOSAL WELL	SUBSURFACE												
VOLUME	185,480	184,723	187,372	192,293	158,642	210,463	133,621	137,785	160,497			201,378	1752,253
H2 CONC. (PH)	7.4	7.6	7.7	8.2	7.1	7.5	7.8	6.9	6.9			7.0	7.4
CHLORIDE ION													
CNC. (CC/CM)	107.00	229.00	249.00	178.00	130.00	163.00	200.00	132.00	128.00			212.00	173.73
WEIGHT (KGS)	19,810	42,224	44,887	34,166	20,586	34,243	26,676	18,154	20,544			42,692	303,982
NITRATE ION													
CNC. (CC/CM)	32.00	28.00	39.00	37.00	85.00	48.00	51.00	79.00	154.00			110.00	64.34
WEIGHT (KGS)	5,925	5,163	6,359	7,102	13,460	10,084	6,802	10,865	24,716			22,152	112,628
SODIUM ION													
CNC. (CC/CM)	110.00	124.00	130.00	116.00	74.00	100.00	99.00	85.00	84.00			129.00	106.81
WEIGHT (KGS)	20,366	22,864	24,314	22,265	11,718	21,008	13,204	11,690	13,482			25,978	186,889
SULFATE ION													
CNC. (CC/CM)	53.00	51.00	43.00	47.00	41.00	35.00	38.00	36.50	38.00			43.00	42.[illegible]
WEIGHT (KGS)	9,813	9,404	8,082	9,021	6,492	7,353	5,068	5,020	6,099			8,659	74,972
TDS													
CNC. (CC/CM)	589.00												62.35
WEIGHT (KGS)	109,049												109,049
TEMP DISPOSAL	SURFACE												
VOLUME											26,043		26,043
H2 CONC. (PH)											7.3		7.3
CHLORIDE ION													
CNC. (CC/CM)											273.00		273.00
WEIGHT (KGS)											7,110		7,110
NITRATE ION													
CNC. (CC/CM)											34.00		34.00
WEIGHT (KGS)											885		885

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

CPP LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 145-I
CPP-8

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
SODIUM ION CNC. (CC/CM)											143.00		143.00
WEIGHT (KGS)											3,724		3,724
SULFATE ION CNC. (CC/CM)											42.00		42.00
WEIGHT (KGS)											1,094		1,094
8 PERCOLATION POND SURFACE											36,187		36,187
VOLUME											7.0		7.0
H2 CONC. (PH)													
CHLORIDE ION CNC. (CC/CM)											338.00		338.00
WEIGHT (KGS)											12,231		12,231
NITRATE ION CNC. (CC/CM)											115.00		115.00
WEIGHT (KGS)											4,162		4,162
SODIUM ION CNC. (CC/CM)											170.00		170.00
WEIGHT (KGS)											6,152		6,152
SULFATE ION CNC. (CC/CM)											47.00		47.00
WEIGHT (KGS)											1,701		1,701

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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CPP LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 185-I
CPP-8

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
SEWAGE PLANT	SUBSURFACE												
VOLUME	5,678	6,094	3,937	3,747	4,505	4,618	4,164	4,353	6,397				43,493
H2 CONC. (PH)	7.5	6.8	6.9	6.8	6.8	7.1	7.0	6.9	7.5				7.0
CHLORIDE ION													
CNC. (CC/CM)	4.31	3.76	5.24	6.35	138.16	4.81	5.15	5.47	3.22				18.44
	****	****	****	****	****	****	****	****	****				
WEIGHT (KGS)	24	23	21	24	622	22	21	24	21				802
HYPOCHLORITE ION													
CNC. (CC/CM)	6.26	5.45	7.61	9.22	200.49	6.98	7.47	7.94	4.68				26.77
	****	****	****	****	****	****	****	****	****				
WEIGHT (KGS)	36	33	30	35	903	32	31	35	30				1,184
TEMP DISPOSAL PIT	SURFACE												
VOLUME									35,544	194,186			229,730
H2 CONC. (PH)									7.9	6.9			7.8
CHLORIDE ION													
CNC. (CC/CM)									56.00	216.00			191.24
WEIGHT (KGS)									1,990	41,944			43,935
NITRATE ION													
CNC. (CC/CM)									41.00	21.00			28.09
WEIGHT (KGS)									1,457	4,078			5,535
SODIUM ION													
CNC. (CC/CM)									44.00				6.81
WEIGHT (KGS)									1,564				1,564
SULFATE ION													
CNC. (CC/CM)									30.00	37.00			35.92
WEIGHT (KGS)									1,066	7,185			8,251

NOTE: UNDERLINE = CALCULATE NCENTRATION BASED UPON CHEMICAL USAGE

CPP INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1992

RPT 146-I
CPP

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	VOLUME OR WEIGHT BY MONTH JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID	175.5	312.4	245.4	268.4	261.9	293.5	502.2	275.7	222.5	305.8	402.7	337.1	3,603.0
2 M SOLID	24.5	48.4	29.4	48.9	37.5	51.2	34.4	38.2	47.4	67.3	67.3	42.8	537.9
3 M SOLID	22.4	28.1	60.2	78.2	85.8	278.3	433.7	70.0	93.7	100.6	241.6	22.9	1,515.4
4 M SOLID	1.1	3.1	24.5	41.7	312.0	195.6	266.1	312.4	177.4	233.2	344.3	14.5	1,925.8
5 M SOLID				7.6	2.3	3.1		3.1	10.7	1.5			28.3
5 M SOLID BARRELS											38.2	8.4	46.6
5 M SOLID METAL SHIRRING		3.1											3.1
5 M SOLID PIPE							0.8						0.8
9 M SOLID AL. CRYSTALS							3.1						3.1
9 M SOLID ASPHALT									7.6		11.5		19.1
9 M SOLID BARRELS	0.8												0.8
9 M SOLID BERALES										30.6			30.6
9 M SOLID BUCKETS							9.2						9.2
9 M SOLID CARDBOARD + FILTERS			18.4										18.4
9 M SOLID DIRT										16.1			16.1
9 M SOLID FILTERS		22.9											22.9
9 M SOLID GRASS									22.9				22.9
9 M SOLID GRAVEL									0.4				0.4
9 M SOLID PAINT CANS									5.4				5.4
9 M SOLID PIPE												0.8	0.8
9 M SOLID ROOF TEAROFF						1.5			9.9				11.5
9 M SOLID SCRAP METAL						1.5							1.5
9 M SOLID SHEET ROCK												3.8	3.8
9 M SOLID SOD AND GRASS										42.1			42.1

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

04/28/83

CPP INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 186-I
CPP

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
DISPOSED WASTE													
9 M SOLID											9.0		9.0
SOD/WEEDS/GRAVEL													
9 M SOLID						0.8							0.8
SPIKE CANS													
9 M SOLID												1.5	1.5
VISQUEEN													
9 M SOLID				6.1									6.1
VISQUEEN, DIRT													
9 M SOLID					10.3								10.3
VISQUEEN,FILTER													
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID	175.5	312.4	245.4	268.4	261.9	293.5	502.2	275.7	222.5	305.8	402.7	337.1	3,603.0
2 M SOLID	24.5	48.9	29.4	48.9	37.5	51.2	34.4	38.2	47.4	67.3	67.3	42.8	537.9
3 M SOLID	22.4	28.1	60.2	78.2	85.8	278.3	433.7	70.0	93.7	100.6	241.6	22.9	1,515.0
4 M SOLID	1.1	3.1	24.5	41.7	312.0	195.6	266.1	312.4	177.4	233.2	344.3	14.5	1,925.0
5 M SOLID		3.1		7.6	2.3	3.1	0.8	3.1	10.7	1.5	38.2	8.4	78.8
9 M SOLID	0.8	22.9	18.4	6.1	10.3	3.8	12.2		46.3	88.7	20.5	6.1	236.1

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

08/28/83

CPP WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 147-I
CPP

(ALL VOLUMES @ NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
WATER PUMPED (L)	191,158	190,817	191,309	196,041	163,146	215,081	137,785	142,327	202,514	197,214	65,940	205,163	2,098,493
WATER DISPOSAL													
AIR (L)													
SURFACE (L)													
SUBSURFACE (L)	185,480	184,72[illegible]	187,372	192,293	158,604	210,463	133,621	137,785	196,079	194,186	62,079	201,378	2,044,060
SEWAGE DATA													
BUILD VOL. (L)	5,678	6,094	3,937	3,747	4,505	4,618	4,164	4,353	6,397	2,953	3,861	3,747	54,054
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	203.0	96.0	93.7	114.0	86.0	83.0	100.8	144.0	90.0	180.0	137.5	85.0	117.8
FINAL CONC. (MG/L)	87.0	49.7	58.0	40.0	63.0	51.0	44.5	60.0	65.0	17.5	25.0	5.8	47.2
% REMOVED	57.1	48.2	38.1	64.9	26.7	38.6	55.9	58.3	27.8	90.3	81.8	93.2	59.9
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	0.2	2.7	4.9	2.6	2.2	2.8	0.7	0.5	0.7	1.3	0.7	0.6	1.7
FINAL CONC. (MG/L)	1.1	3.4	3.1	4.4	4.2	3.5	3.6	2.7	3.9	7.0	11.4	8.8	4.8
INCREASED FACTOR	4.5	0.4	-0.4	0.7	0.9	0.3	4.1	4.8	4.6	4.4	15.3	13.7	1.8
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	3.7	2.4	3.0	4.3	3.4	3.3	68.6	3.0	2.7				10.5
FINAL CONC. (ML/L)	0.18	0.74	0.12	0.25	0.24	0.31	2.45	0.23	0.18				0.52
% REMOVED	95.1	74.4	96.0	94.2	92.9	90.6	96.4	92.3	93.3				95.0
PH FINAL	7.5	6.4	6.9	6.8	6.8	7.1	7.0	6.9	7.2	8.3	8.7	7.4	7.3
TOTAL SEWAGE VOL. (L)	5,678	6,094	3,937	3,747	4,505	4,618	4,164	4,353	6,397	2,953	3,861	3,747	54,054
TOTAL WATER DISPOSED (L)	191,158	190,817	191,309	196,041	163,109	215,081	137,785	142,138	202,476	197,138	65,940	205,125	2,098,114
ACCOUNTABILITY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0

NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

04/28/83

CPP FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 148-I
CPP

(ALL VALUES @ NEAREST THOUSAND)

FUEL OIL TYPE / EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TYPE 5													
VOLUME (LITERS)	757	734	563	584	398	364	268	267	379	497	625	772	6,203
SO2 (KGS)	19	19	14	15	10	9	7	7	10	13	16	20	159
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS													
SO2 (KGS)	19	19	14	15	10	9	7	7	10	13	16	20	159
NOX (KGS)													
PARTICULATES (KGS)													

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

04/28/8

LOF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 165-I
LOF-B

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
BORON WEIGHT (KGS)	17		139	348	45	60		218	159	27	89	61	1,163
CHLORIDE ION WEIGHT (KGS)	96	84	83	385	193	165	193	248	248	220	182	96	2,191
PHOSPHATE ION WEIGHT (KGS)	5	4	2	1	0				2	1	1	1	13
SODIUM ION WEIGHT (KGS)	78	164	312	488	165	400	126	357	358	242	178	65	2,929
SULFATE ION WEIGHT (KGS)		194	254	235	39	294		294	196	59	33		1,601
SULFITE ION WEIGHT (KGS)	15	4	5	6	1		2	1	2	1	2	4	42

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

04/28/83

LOF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 165-I
LOF-B

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
LOFT DISPOSAL POND SURFACE													
VOLUME	8,066	13,328	37,092	43,909	28,019	33,928	21,031	757,438	50,458	15,145	16,398	14,766	1039,580
H2 CONC. (PH)													
CHLORIDE ION													
CNC. (CC/CM)	11.94	6.20	2.23	8.77	6.88	4.87	9.16	0.33	4.91	14.54	11.08	6.52	2.11
WEIGHT (KGS)	96	83	83	385	193	165	193	248	248	220	182	96	2,191
PHOSPHATE ION													
CNC. (CC/CM)	0.68	0.03	0.06	0.02	0.01				0.03	0.04	0.05	0.05	0.01
WEIGHT (KGS)	5	0	2	1	0				2	1	1	1	13
SODIUM ION													
CNC. (CC/CM)	9.14	12.35	5.40	11.13	5.87	11.80	5.99	0.47	7.11	15.96	10.85	4.41	2.82
WEIGHT (KGS)	74	165	312	488	165	400	126	357	358	242	178	65	2,929
SULFATE ION													
CNC. (CC/CM)		14.69	4.86	5.36	1.39	8.66		0.39	3.88	3.92	2.04		1.54
WEIGHT (KGS)		196	254	235	39	294		294	196	59	33		1,601
SULFITE ION													
CNC. (CC/CM)	1.85	0.28	0.13	0.13	0.03		0.08	0.08	0.04	0.10	0.11	0.28	0.04
WEIGHT (KGS)	15	4	5	6	1		2	1	2	1	2	4	42
LOFT SEPTIC TANK SUBSURFACE													
VOLUME	170	170	170	170	170	170	170	170	170	170	170	170	2,044
H2 CONC. (PH)													
TAN DISPOSAL POND SURFACE													
VOLUME	28		111	276	241	78		121	97	139	79	58	1,224
H2 CONC. (PH)													
BORON													
CNC. (CC/CM)	614.63		1251.84	1258.75	188.65	768.85		1797.98	1643.92	194.22	1121.08	1139.76	950.45
WEIGHT (KGS)	17		139	348	45	60		218	159	27	89	61	1,163

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

04/28/83

LOF INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 106-I
LOF

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	VOLUME OR WEIGHT BY MONTH JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID				12.2									12.2
3 M SOLID	5.4												5.4
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID				12.2									12.2
3 M SOLID	5.4												5.4

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

LOF WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

(ALL VOLUMES @ NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
L01 WATER PUMPED (L)	4,527	3,616	38,913	28,643	12,840	30,067	9,236	37,013	41,487	11,273	11,167		228,783
L02 WATER PUMPED (L)	4,694	10,085	24,040	26,380	16,216	22,136	11,984	779,772	32,576	53,221	5,686		986,793
L01 WATER PUMPED (L)												8,214	8,214
L02 WATER PUMPED (L)												6,859	6,859
WATER PUMPED (L)	9,221	13,706	62,953	55,023	29,056	52,203	21,220	816,784	74,063	64,494	16,852	15,073	1,230,649
WATER DISPOSAL													
AIR (L)													
SURFACE (L)	8,093	13,329	37,179	44,174	28,261	34,007	21,031	758,953	50,534	15,285	16,477	14,819	1,042,142
SUBSURFACE (L)													
SEWAGE DATA													
736 BUILD VOL. (L)	170	170	170	170	170	170	170	170	170	170	170	170	2,044
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 VOL. (L)	170	170	170	170	170	170	170	170	170	170	170	170	2,044
TOTAL WATER DISPOSED (L)	8,263	13,499	37,350	44,345	28,431	34,177	21,201	759,123	50,704	15,455	16,648	14,990	1,044,186
ACCOUNTABILITY (%)	89.6	98.5	59.3	80.6	97.9	65.5	99.9	92.9	68.5	24.0	98.8	99.4	84.8

NOTES: "*" IN COLUMNS IN[illegible]TE A PORTION OF VOLUME IS ESTIMATED

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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LOF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 168-I
LOF

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE / EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DIESEL													
VOLUME (LITERS)	3		2		4	3		2	2			4	20
SO2 (KGS)	0		0		0	0		0	0			0	0
NOX (KGS)													
PARTICULATES (KGS)													
TYPE 2													
VOLUME (LITERS)	28	34		17		6		6	6			55	19[illegible]
SO2 (KGS)	0	0		0		0		0	0			0	1
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS													
SO2 (KGS)	0	0	0	0	0	0		0	0			0	1
NOX (KGS)													
PARTICULATES (KGS)													

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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MHC INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 176-I
MHD

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	VOLUME OR WEIGHT BY MONTH JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
BUT LANDFILL													
DISPOSED WASTE													
1 M SOLID	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	880.9
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	880.9

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

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MHD WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 177-I
MHD

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
BUT WATER PUMPED (L)	667	1,695	1,749	1,635	2,808	683	3,526	1,834	2,121	71,466	786	613	89,586
WATER DISPOSAL													
AIR (L)	50	54	243	580	724	576	334	261	223	909	22	15	3,986
SURFACE (L)													
SUBSURFACE (L)													
SEWAGE DATA													
BUILD VOL. (L)	617	1,647	1,506	1,055	2,083	107	3,191	1,573	1,898	70,520	764	598	85,561
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 VOL. (L)	617	1,647	1,506	1,055	2,083	107	3,191	1,573	1,898	70,520	764	598	85,561
TOTAL WATER DISPOSED (L)	667	1,697	1,749	1,635	2,807	683	3,526	1,834	2,121	71,429	786	613	89,547
ACCOUNTABILITY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0	99.9	100.0

NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

MMD FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

(ALL VALUES @ NEAREST THOUSAND)

FUEL OIL TYPE / EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TYPE 2													
VOLUME (LITERS)	67	54	16	43	30	29	29	6	92	282	27	29	703
SO2 (KGS)	0	0	0	0	0	0	0	0	1	2	0	0	4
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS													
SO2 (KGS)	0	0	0	0	0	0	0	0	1	2	0	0	4
NOX (KGS)													
PARTICULATES (KGS)													

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

ARF AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
COOLING TOWERS													
VOLUME	111,518	73,658	96,893	94,418	20,743	22,808	48,452	59,052	47,092	123,598	186,702	72,314	886,847

NOTE: UNDERLINE = CALCULATED CONCENTRATION

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

NRF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 185-1
NRF-B

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CALCIUM ION WEIGHT (KGS)	185	171	148	69	69				60	156	166	148	1,171
CHLORIDE ION WEIGHT (KGS)	7,440	10,734	7,579	581	4,390	4,314	2,347	5,417	2,584	1,739	3,617	7,166	57,907
HYPOCHLORITE ION WEIGHT (KGS)	474	434	379	178	178				154	402	425	379	3,066
PHOSPHATE ION WEIGHT (KGS)	237	284	178	13	1	27	37	129	82	59	57	108	1,204
PHOSPHONATE WEIGHT (KGS)	90	74	48	32	19	6	6	6	24	34	85	53	477
POLYMETHACRYLATE WEIGHT (KGS)	47	40	25	17	10	3	3	3	13	18	45	35	259
POLYPHOSPHATE WEIGHT (KGS)	209	174	111	75	43	15	14	14	57	78	198	122	1,112
SODIUM ION WEIGHT (KGS)	11,477	7,174	5,585	331	6,629	2,522	1,596	3,760	1,413	1,589	2,243	3,697	48,016
SULFATE ION WEIGHT (KGS)	74,402	12,943	14,556	976	9,508	2,042	3,142	16,783	6,002	9,196	6,099	6,280	155,929
SULFONATE WEIGHT (KGS)	60	54	32	22	12	4	4	4	16	22	57	35	318

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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NRF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 185-I
NRF-8

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
SEWAGE POND SURFACE													
VOLUME	3,778	3,362	4,758	4,754	4,811	4,963	5,545	5,678	6,409	7,003	4,788	4,739	60,589
H2 CONC. (PH)	7.7	7.2	7.3	8.6	7.8	10.7	10.9	10.7	10.7	9.4	8.7	8.7	9.0
WASTE DITCH SURFACE													
VOLUME	79,151	78,924	98,683	6,598	31,357	12,673	12,420	33,129	14,596	15,955	17,662	18,889	420,036
H2 CONC. (PH)	2.4	8.6	7.6	8.9	10.3	8.2	6.2	6.0	3.0	6.9	6.4	6.0	6.5
CALCIUM ION													
CNC. (CC/CM)	2.33	2.16	1.69	10.49	2.21				4.11	9.80	9.38	7.81	2.79
	----	----	----	----	----				----	----	----	----	
WEIGHT (KGS)	185	171	148	69	69				60	156	166	148	1,173
CHLORIDE ION													
CNC. (CC/CM)	94.00	136.00	74.80	88.00	140.00	340.40	189.00	163.50	177.00	189.00	204.80	379.40	137.86
WEIGHT (KGS)	7,440	10,734	7,579	581	4,390	4,314	2,347	5,417	2,584	1,739	3,617	7,166	57,907
HYPOCHLORITE ION													
CNC. (CC/CM)	5.99	5.55	3.84	26.93	5.67				10.55	25.17	24.08	20.07	7.16
	----	----	----	----	----				----	----	----	----	
WEIGHT (KGS)	474	438	379	178	178				158	402	425	379	3,006
PHOSPHATE ION													
CNC. (CC/CM)	3.00	3.60	1.80	2.00	0.04	2.10	3.00	3.90	5.60	3.70	3.20	5.30	2.87
WEIGHT (KGS)	237	284	178	13	1	27	37	129	82	59	57	100	1,204
PHOSPHONATE													
CNC. (CC/CM)	1.13	0.95	0.48	4.90	0.59	0.50	0.49	0.19	1.66	2.11	4.82	2.78	1.18
	----	----	----	----	----	----	----	----	----	----	----	----	
WEIGHT (KGS)	90	75	48	32	19	6	6	6	24	34	85	53	477
POLYMETHACRYLATE													
CNC. (CC/CM)	0.60	0.50	0.26	2.58	0.31	0.26	0.26	0.10	0.88	1.11	2.54	1.85	0.62
	----	----	----	----	----	----	----	----	----	----	----	----	
WEIGHT (KGS)	47	40	25	17	10	3	3	3	13	18	45	35	259
POLYPHOSPHATE													
CNC. (CC/CM)	2.63	2.21	1.13	11.41	1.38	1.17	1.15	0.43	3.88	4.91	11.24	6.48	2.65
	----	----	----	----	----	----	----	----	----	----	----	----	
WEIGHT (KGS)	209	175	111	75	43	15	14	14	57	78	198	122	1,112

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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NRF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 185-I
NRF-B

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
SODIUM ION													
CNC. (CC/CM)	145.00	90.90	54.60	50.10	211.40	199.00	128.50	113.50	96.80	99.60	127.00	195.70	118.31
WEIGHT (KGS)	11,477	7,174	5,585	331	6,629	2,522	1,596	3,760	1,413	1,589	2,243	3,697	48,816
SULFATE ION													
CNC. (CC/CM)	940.00	164.00	147.50	148.00	303.20	161.10	253.00	325.50	411.20	576.40	345.30	332.50	371.23
WEIGHT (KGS)	74,402	12,943	18,556	976	9,508	2,042	3,142	10,783	6,002	9,196	6,099	6,280	155,929
SULFONATE													
CNC. (CC/CM)	0.75	0.63	0.32	3.26	0.39	0.33	0.33	0.12	1.11	1.40	3.21	1.85	0.75
	----	----	----	----	----	----	----	----	----	----	----	----	
WEIGHT (KGS)	60	50	32	22	12	4	4	4	16	22	57	35	318

NOTE: UNDERLINE = CALCULA[illegible] CONCENTRATION BASED UPON CHEMICAL USAGE

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NRF INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 186-I
NRF

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
CFA HHDA													
DISPOSED WASTE													
8 SOLID								762.9					762.9
MISC LABORATORY REAGENT CHEMICALS													
8 SOLID											450.9		450.9
POTASSIUM CHROMATE													
8 L LIQUID												1.1	1.1
ETHYL ETHER													
8 L LIQUID								60.6					60.6
MISC LABORATORY REAGENT CHEMICALS													
8 L LIQUID											16030.7		16,030.7
POTASSIUM CHROMATE													
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID	318.1	406.0	403.0	296.7	364.0	356.3	243.2	296.3	299.7	195.7	175.1	322.1	3,676.2
2 M SOLID	97.9	104.0	110.1	91.0	85.6	97.9	85.6	87.2	91.8	85.6	48.9	97.9	1,083.5
3 M SOLID	3.4	28.3	7.6	14.5	90.2	34.8	45.1	91.8	54.6	34.7	39.0	6.9	455.0
4 M SOLID				0.8	4.6	1.5	47.0	38.6	6.1	6.1	25.2	2.7	132.7
5 M SOLID				3.1	1.5	168.2		25.2	65.8	9.2	16.1		289.0
8 SOLID									764.6				764.6
CHEMICALS													
9 L LIQUID												94.6	94.6
PAINT IN CANS													
9 M SOLID								15.3		3.6	3.8	36.3	59.0
ASBESTOS													
9 M SOLID					1.5			7.6	2.3	9.9	7.6		29.1
ASPHALT													
9 M SOLID						1.5							1.5
BROKEN WINDOWS													
9 M SOLID	0.2												0.2
BUILDING MATERIAL													
9 M SOLID									2.3				2.3
DIRT													
9 M SOLID		12.5											12.5
DIRT + GRAVEL													
9 M SOLID										84.9			84.9
DIRT AND GRAVEL													
9 M SOLID									0.8	7.6			8.4
FIBERGLASS INSULATION													
9 M SOLID			3.8										3.8
GRAVEL													
9 M SOLID				2.5	55.1	71.1	110.9						239.6
ROOFING MATERIAL													
9 M SOLID								27.5					27.5

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NRF INDUSTRIAL WASTE SUMMARY
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DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
ROOFING MATERIALS													
DISPOSED WASTE													
9 M SOLID				6.1									6.1
SANDBAGS HOSE POLE													
9 M SOLID							71.1	53.5					124.6
SILICA SAND													
CFA OIL DEPOT													
DISPOSED WASTE													
6 L LIQUID											5829.4	6056.5	11,885.8
OIL													
STORED WASTE													
6 L LIQUID					3406.8			6870.3	1139.6	13740.6			25,193.3
OIL													
6 L LIQUID		9463.2											9,463.2
WASTE OIL													
CFA SCRAPYARD													
DISPOSED WASTE													
5 M SOLID												7.6	7.6
STORED WASTE													
3 M SOLID		69.4		6.1				6.1					81.8
5 M SOLID	6.1	8.4	30.7	24.1	65.0	6.9	21.4	12.2			4.6		179.4
9 M SOLID		1.4											1.6
OFFICE EQUIPMENT													
9 M SOLID		203.9											203.9
TRAILER													
CFA 601													
DISPOSED WASTE													
9 L LIQUID					8952.2								8,952.2
OILY/SLUDGE WASTE													

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NRF INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

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DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	VOLUME OR WEIGHT BY MONTH JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID	318.1	406.4	403.0	296.7	364.0	356.3	243.2	296.3	299.7	195.7	175.1	322.1	3,676.2
2 M SOLID	97.9	104.0	110.1	91.0	85.6	97.9	85.6	87.2	91.8	85.6	88.9	97.9	1,083.5
3 M SOLID	3.4	28.4	7.6	14.5	90.2	34.8	45.1	91.8	56.6	36.7	39.0	6.9	455.0
4 M SOLID				0.8	4.6	1.5	47.0	38.6	6.1	6.1	25.2	2.7	132.7
5 M SOLID				3.1	1.5	168.2		25.2	65.8	9.2	16.1	7.6	296.7
6 L LIQUID											5829.4	6056.5	11,885.8
8 SOLID								762.9	764.6		450.9		1,978.4
8 L LIQUID								60.6			16030.7	1.1	16,092.4
9 L LIQUID					8952.2							94.6	9,046.9
9 M SOLID	0.2	12.5	3.8	8.6	56.6	72.6	182.0	104.0	5.4	106.1	11.5	36.3	599.6
STORED WASTE													
3 M SOLID		69.4		6.1				6.1					81.8
5 M SOLID	6.1	8.4	30.7	24.1	65.0	6.9	21.4	12.2			4.6		179.4
6 L LIQUID		9463.2			3406.8			6870.3	1135.6	13740.6			34,616.6
9 M SOLID		205.4											205.5

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NRF WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 187-I
NRF

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
1 WATER PUMPED (L)	160,118	128,819	113,445	82,330	55,455	50,117	68,779	83,693	69,347	134,492	78,166	4,648	1,029,403
2 WATER PUMPED (L)	4	1,039	A	A	8	8	4	291	6,253	965	10,648	8	19,261
3 WATER PUMPED (L)	7,313	8,284	10,376	549	1,166	3,403	4,922	8			75,100	73,776	184,798
WATER PUMPED (L)	167,435	138,137	123,829	82,887	56,628	53,528	73,605	83,992	75,600	135,457	163,915	78,431	1,233,442
WATER DISPOSAL													
AIR (L) *	76,047	50,231	18,340	64,388	14,186	15,281	33,046	40,276	32,118	84,299	127,337	49,322	604,836
SURFACE (L) *	79,151	78,924	98,683	6,598	36,089	31,600	31,346	33,129	33,523	34,882	17,662	18,889	500,473
SUBSURFACE (L)													
SEWAGE DATA													
722 BUILD VOL. (L)	3,778	3,362	4,758	4,754	4,811	4,963	5,545	5,678	6,409	7,003	4,788	4,739	60,589
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	115.0	95.0	110.0	60.0	190.0	70.0	80.0	30.0	80.0	100.0	90.0	90.0	92.5
FINAL CONC. (MG/L)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	0.4	3.2	0.6		0.3				12.3	7.0	4.5	4.5	4.1
FINAL CONC. (MG/L)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL	7.7	7.2	7.3	8.6	7.8	9.9	9.9	9.9	9.9	9.4	8.7	8.7	8.8
TOTAL SEWAGE VOL. (L)	3,778	3,362	4,758	4,754	4,811	4,963	5,545	5,678	6,409	7,003	4,788	4,739	60,589
TOTAL WATER DISPOSED (L)	158,976	132,517	121,781	75,740	55,046	51,843	69,937	79,082	72,049	126,183	149,788	72,950	1,165,891
ACCOUNTABILITY (%)	94.9	95.9	98.3	91.4	97.2	96.9	95.0	94.2	95.3	93.2	91.4	93.0	94.5

NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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NRF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 188-I
NRF

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE / EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TYPE 5													
VOLUME (LITERS)	555	499	393	289	132	2			102	297	413	514	3,193
SO2 (KGS)	14	24	14	10	8	0			5	4	5	13	95
NOX (KGS)	2	2	1	1	0	0			0	1	1	2	10
PARTICULATES (KGS)	1	1	1	1	0	0			0	1	1	1	7
GRAND TOTALS													
SO2 (KGS)	14	24	14	10	8	0			5	4	5	13	95
NOX (KGS)	2	2	1	1	0	0			0	1	1	2	10
PARTICULATES (KGS)	1	1	1	1	0	0			0	1	1	1	7

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PRF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

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AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
BETZ 45 WEIGHT (KGS)				8	10		10			10			37
CHLORIDE ION WEIGHT (KGS)		0		0	0		0			0			1
CHROMATE ION WEIGHT (KGS)	11		7		1			0	0				20
HPA WEIGHT (KGS)				0	3		0			0			3
HYDROXYCARBONS WEIGHT (KGS)		0		1	1		1			1			4
N-HYDROCARBON WEIGHT (KGS)		2		4	5		5			4			20
POLYHYDROXYCARBON WEIGHT (KGS)				0	2		0			0			2
SODIUM ION WEIGHT (KGS)	5		3	0	46		65	0	0	33			172
SULFATE ION WEIGHT (KGS)				33	81		80			40			234

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PBF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 195-I
PBF-B

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
EVAPORATION POND	SURFACE												
VOLUME	19	19	38	303	38		38	19	19	295			787
H2 CONC. (PM)													
BETZ 45													
CNC. (CC/CM)				25.46	263.62		263.62			32.26			47.24
				----	----		----			----			
WEIGHT (KGS)				8	10		10			10			37
CHLORIDE ION													
CNC. (CC/CM)		3.69		0.43	3.69		3.69			0.44			0.77
		----		----	----		----			----			
WEIGHT (KGS)		0		0	0		0			0			1
CHROMATE ION													
CNC. (CC/CM)	595.56		17[illegible].66		25.52			21.27	17.02				25.05
	----		----		----			----	----				
WEIGHT (KGS)	11		7		1			0	0				20
HPA													
CNC. (CC/CM)				0.75	68.90		5.99			0.77			4.18
				----	----		----			----			
WEIGHT (KGS)				0	3		0			0			3
HYDROXYCARBONS													
CNC. (CC/CM)		26.36		3.07	26.36		26.36			3.15			5.53
		----		----	----		----			----			
WEIGHT (KGS)		0		1	1		1			1			4
N-HYDROCARBON													
CNC. (CC/CM)		122.85		14.31	122.85		122.85			14.68			25.77
		----		----	----		----			----			
WEIGHT (KGS)		2		4	5		5			4			20
POLYHYDROXYCARBON													
CNC. (CC/CM)				0.45	41.34		3.60			0.46			2.51
				----	----		----			----			
WEIGHT (KGS)				0	2		0			0			2
SODIUM ION													
CNC. (CC/CM)	243.25		78.98	0.23	1754.36		1724.40	8.69	6.95	110.66			218.57
	----		----	----	----		----	----	----	----			
WEIGHT (KGS)	5		3	0	66		65	0	0	33			172

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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PHF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 195-I
PBF-B

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
SULFATE ION CNC. (CC/CM)				108.51	2135.09		2111.63			135.34			296.66
				----	----		----			----			
WEIGHT (KGS)				33	81		80			40			234

NOTE: UNDERLINE = CALCULATED ...NTRATION BASED UPON CHEMICAL USAGE

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

PHF INDUSTRIAL WASTE SUMMARY RPT 196-I
FOR JANUARY THROUGH DECEMBER 1982 PBF

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID											4.6		4.6
TRASH													
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID									105.5	6.1			111.6
1 M SOLID	6.1	9.2	33.6	27.5	32.1	99.4	102.5	94.4				74.2	479.0
TRASH													
3 M SOLID									12.6	4.6			17.2
3 M SOLID		0.4			5.4	0.8	2.7	17.2				0.8	27.1
WOOD AND SCRAP LUMBER													
3 M SOLID				0.4									0.4
WOOD SCRAP LUMBER													
4 M SOLID									48.9	4.6			53.5
4 M SOLID	3.1					3.8		1.5					8.4
CONCRETE													
4 M SOLID			3.1										3.1
NONCOMBUSTIBLE MASONRY CONCRETE													
9 M SOLID									35.2	15.3			50.5
ROCK													
9 M SOLID				19.1									19.1
ROOF TEAR OFF													
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID	6.1	9.2	33.6	27.5	32.1	99.4	102.5	94.4	105.5	6.1	4.6	74.2	595.3
3 M SOLID		0.4		0.4	5.4	0.8	2.7	17.2	12.6	4.6		0.8	44.7
4 M SOLID	3.1		3.1			3.8		1.5	48.9	4.6			65.0
9 M SOLID				19.1					35.2	15.3			69.6

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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PBF WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 197-I
PBF

(ALL VOLUMES @ NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
1 WATER PUMPED (L)	4,660	5,574	6,268	4,024	4,232	4	1,491	1,189	3,007	1,952	3,293	3,244	38,940
2 WATER PUMPED (L)	6	4	2,261	2,504	3,768	9,213	5,879	6,026	2,801	7,453	1,241	2,467	43,623
WATER PUMPED (L)	4,665	5,580	8,530	6,528	8,000	9,218	7,370	7,215	5,809	9,405	4,534	5,711	82,563
WATER DISPOSAL													
AIR (L)			778	1,087	879					3,071			5,815
SURFACE (L) *	549	1,643	5,129	2,688	3,653	5,110	4,891	4,720	3,464	3,636	2,241	3,376	41,099
SUBSURFACE (L) *	3,729	3,654	1,912	2,218	2,971	3,736	2,139	2,069	1,968	2,006	1,953	2,036	30,392
SEWAGE DATA													
619 BUILD VOL. (L) *	180	180	180	180	180	180	180	180	180	180	180	180	2,159
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													

NOTE, "*" IN COLUMNS IND A PORTION OF VOLUME IS ESTIMATED

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PRF WATER USAGE AND DISPOSAL SUMMARY RPT 197-I
FOR JANUARY THROUGH DECEMBER 1982 PRF

(ALL VOLUMES @ NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
SEWAGE DATA													
620 BUILD VOL. (L) *	48	48	48	48	48	48	48	48	48	48	48	48	580
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 VOL. (L)	228	229	228	228	228	228	228	228	228	228	228	228	2,738
TOTAL WATER DISPOSED (L)	8,506	5,524	8,046	6,217	7,732	9,074	7,257	7,017	5,660	8,941	4,422	5,641	80,048
ACCOUNTABILITY (%)	96.6	99.1	94.3	95.2	96.6	98.4	98.5	97.3	97.4	95.1	97.5	98.8	96.9

NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

04/28/83

PBF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 198-I
PBF

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE / EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DIESEL													
VOLUME (LITERS)		0	24	11	7					0	1	0	53
SO2 (KGS)		0	0	0	0					0	0	0	0
NOX (KGS)													
PARTICULATES (KGS)													
TYPE 2													
VOLUME (LITERS)	29	30	14	5	8	3				0	23	23	145
SO2 (KGS)	0	0	0	0	0	0				0	0	0	1
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS													
SO2 (KGS)	0	0	0	0	0	0				0	0	0	1
NOX (KGS)													
PARTICULATES (KGS)													

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04/28/A

TAN LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 225-I
TAN-8

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION WEIGHT (KGS)	853	469	1,060	550	1,349			138	83	220	633	798	6,152
PHOSPHATE ION WEIGHT (KGS)	7	7	8	4	17	4			5	5	12	15	85
SODIUM ION WEIGHT (KGS)	583	332	716	372	1,022	70	9	89	123	162	429	543	4,449
SULFATE ION WEIGHT (KGS)	75	47	36	24	24	168	33		240	48	24	24	743
SULFITE ION WEIGHT (KGS)		14	23	10	16	4			4	6	11	16	104

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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TAN LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 225-1
TAN-B

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
DISPOSAL POND	SURFACE												
VOLUME	3,937	4,436	6,923	3,653	4,262	5,383	4,951	9,391	6,938	3,169	3,906	4,815	61,766
M2 CONC. (PH)													
CHLORIDE ION													
CNC. (CC/CM)	216.74	105.47	153.06	150.70	316.42			14.65	11.90	69.47	162.05	165.78	99.59
WEIGHT (KGS)	853	468	1,060	550	1,349			138	83	220	633	798	6,152
PHOSPHATE ION													
CNC. (CC/CM)	1.81	1.53	1.23	1.09	3.99	0.79			0.66	1.73	2.95	3.21	1.37
WEIGHT (KGS)	7	7	8	4	17	4			5	5	12	15	85
SODIUM ION													
CNC. (CC/CM)	148.11	74.75	103.35	101.81	239.75	12.93	1.90	9.50	17.74	51.02	109.76	112.79	72.03
WEIGHT (KGS)	583	332	716	372	1,022	70	9	89	123	162	429	543	4,449
SULFATE ION													
CNC. (CC/CM)	19.12	10.51	5.20	6.57	5.63	31.18	6.73		34.56	15.14	6.14	4.98	12.03
WEIGHT (KGS)	75	47	36	24	24	168	33		240	48	24	24	743
SULFITE ION													
CNC. (CC/CM)		3.70	3.29	2.76	3.78	0.75			0.54	1.82	2.88	3.83	1.71
WEIGHT (KGS)		16	23	10	16	4			4	6	11	16	106

NOTE: UNDERLINE = CALCULAT ONCENTRATION BASED UPON CHEMICAL USAGE

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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TAN INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 226-I
TAN

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID	178.9	137.6	153.7	233.2	214.1	152.9	198.8	117.0	187.3	244.7	130.8	198.8	2,147.9
2 M SOLID	36.7	30.5	30.6	36.7	36.7	30.6	42.8	44.3	30.6	48.9	24.5	24.5	417.5
3 M SOLID	3.8		1.5	22.9							4.6		32.9
4 M SOLID					4.6			5.0					9.6
5 M SOLID			0.8	3.1	3.8		2.3	7.6	6.1	3.1		4.6	31.4
9 M SOLID				0.8									0.8
OTHER-ASBESTOS													
9 M SOLID				6.1				15.3		3.1			24.5
OTHER-ROOFING													
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID	178.9	137.6	153.7	233.2	214.1	152.9	198.8	117.0	187.3	244.7	130.8	198.8	2,147.9
2 M SOLID	36.7	30.5	30.6	36.7	36.7	30.6	42.8	44.3	30.6	48.9	24.5	24.5	417.5
3 M SOLID	3.8		1.5	22.9							4.6		32.9
4 M SOLID					4.6			5.0					9.6
5 M SOLID			0.8	3.1	3.8		2.3	7.6	6.1	3.1		4.6	31.4
9 M SOLID				6.9				15.3		3.1			25.2

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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TAN WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 227-I
TAN

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
TF1 WATER PUMPED (L)	3,929	4,434	6,920	1,658	21	8	1,655	9,384	5,008	813	1,328	1,213	36,373
TF2 WATER PUMPED (L)	68	1	8	1,995	4,243	5,375	3,297	8	1,933	2,356	2,580	3,602	25,468
WATER PUMPED (L)	3,997	4,434	6,927	3,653	4,264	5,383	4,952	9,392	6,941	3,169	3,908	4,815	61,841
WATER DISPOSAL													
AIR (L) *													
SURFACE (L) *	2,432	3,119	5,572	389	2,738	3,864	3,055	6,931	4,671	1,251	2,290	3,130	39,447
SUBSURFACE (L) *													
SEWAGE DATA													
623 BUILD VOL. (L) *	1,504	1,315	1,349	3,264	1,524	1,511	1,896	2,459	2,264	1,918	1,617	1,685	22,308
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	139.5	209.3	206.6	157.5	170.5	181.4	150.5	134.0	113.7	86.7	56.8	141.7	145.6
FINAL CONC. (MG/L)	5.9	7.1	8.3	14.0	30.7	24.2	20.0	14.6	9.2	0.3	7.8	15.2	12.8
% REMOVED	95.8	96.4	96.0	91.1	82.0	86.7	86.7	89.1	95.4	99.7	86.1	89.3	91.2
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	2.5	2.0	2.2	3.0	2.0	1.6	1.2	1.8	1.7	1.7	2.0	1.7	1.9
FINAL CONC. (MG/L)	4.0	4.0	4.2	5.0	4.7	4.6	4.2	4.6	4.2	5.0	5.2	5.5	4.6
INCREASED FACTOR	0.6	1.0	0.9	0.7	1.3	1.9	2.5	2.3	1.5	1.9	1.6	2.2	1.4
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	1.9	3.7	4.0	2.0	3.1	1.7	2.2	2.0	2.2	3.6	1.6	1.7	2.5
FINAL CONC. (ML/L)	0.01			0.03	0.25	0.30	0.28	0.32	0.60	0.20	1.50	0.27	0.38
% REMOVED	99.5			98.5	91.9	82.4	87.3	84.0	72.7	94.4	6.3	84.1	84.8
PH FINAL	7.8	7.4	8.0	7.9	7.7	7.7	7.7	7.8	7.5	7.1	7.5	7.1	7.6
TOTAL SEWAGE VOL. (L)	1,504	1,315	1,349	3,264	1,524	1,511	1,896	2,459	2,264	1,918	1,617	1,685	22,308
TOTAL WATER DISPOSED (L)	3,936	4,434	6,921	3,653	4,262	5,379	8,951	9,389	6,935	3,169	3,906	4,815	61,755
ACCOUNTABILITY (%)	98.5	99.4	99.9	100.0	100.0	99.9	100.0	100.0	99.9	100.0	100.0	100.0	99.9

NOTE: "*" IN COLUMNS INDI[illegible] A PORTION OF VOLUME IS ESTIMATED

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TAN FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 228-I
TAN

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE / EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TYPE 2													
VOLUME (LITERS)		92	310	30	50	21			7	68	89	9	676
SO2 (KGS)		1	2	0	0	0			0	0	1	0	4
NOX (KGS)													
PARTICULATES (KGS)													
TYPE 5													
VOLUME (LITERS)	249	185		110	114	16					20	166	820
SO2 (KGS)	7	4		3	3	0					1	4	22
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS													
SO2 (KGS)	7	4	2	3	3	1			0	0	1	4	26
NOX (KGS)													
PARTICULATES (KGS)													

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TRA AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 234-I
TRA-A

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
COOLING TOWERS													
VOLUME												170,662	170,662
COOLING TOWERS EVAP													
VOLUME	198,827	101,578	106,461	136,268	125,058	141,377	176,180	124,170	130,036	129,704	161,727		1,535,385

NOTE: UNDERLINE = CALCULATED CONCENTRATION

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TWA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 235-I
TRA-B

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION WEIGHT (KGS)	113	54	80	63	49	44	73	48	47	235	55	54	915
HEDP WEIGHT (KGS)	91	45	57	79	45	57	57	45	68	61	95	63	764
HYDROXYCARBONS WEIGHT (KGS)	10	10	10		10		10	10		10		10	82
HYPOCHLORITE ION WEIGHT (KGS)	54	45	85	56	33	35	68	39	39	303	52	41	851
N-HYDROCARBON WEIGHT (KGS)	48	45	48		48		48	48		48		48	380
PHOSPHATE WEIGHT (KGS)	206	103	129	181	103	129	129	103	155	139	216	144	1,738
PHOSPHATE ION WEIGHT (KGS)	248	325	401	203	198	233	451	177	173	240	238	261	3,147
POLYACRYLATE WEIGHT (KGS)	204	10	102	136	102	102	136	136	136	136	170	102	1,473
POTASSIUM ION WEIGHT (KGS)	33	14	20	29	16	20	20	16	24	22	34	23	275
SODIUM ION WEIGHT (KGS)	2,494	3,296	2,077	3,856	2,132	2,838	1,814	1,294	1,282	2,132	1,173	2,033	26,419
SULFATE ION WEIGHT (KGS)	54,655	41,564	43,886	61,387	36,018	48,905	54,536	35,126	38,190	30,299	41,635	44,042	530,242
TDS WEIGHT (KGS)	40,145	49,707	54,800	50,784	31,478	23,351	72,740	74,666	44,960	94,921	53,158	74,997	665,705
TOLYTRIAZOLE WEIGHT (KGS)	23	14	14	20	11	14	14	11	17	15	24	16	191
TOTAL HARDNESS WEIGHT (KGS)	21,752	28,964	31,879	33,333	25,513	18,773	42,108	43,437	28,696	35,854	33,137	39,077	382,529

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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TRA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 235-I
TRA-B

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
CHEMICAL WASTE POND SURFACE													
VOLUME	4,247	3,180	2,620	4,391	2,751	2,450	3,151	1,776	1,982	2,744	1,830	2,456	33,579
H2 CONC. (PH)													
SODIUM ION													
CNC. (CC/CM)	563.93	1024.26	774.83	864.24	759.85	1140.02	560.45	706.78	620.74	758.69	604.91	806.45	767.87
	----	----	----	----	----	----	----	----	----	----	----	----	
WEIGHT (KGS)	2,395	3,258	2,033	3,795	2,090	2,793	1,766	1,256	1,231	2,082	1,106	1,981	25,784
SULFATE ION													
CNC. (CC/CM)	8187.86	8704.22	11209.44	9634.83	9589.08	11569.99	9832.69	10661.41	10434.29	5322.70	11670.63	9744.44	9510.13
	----	----	----	----	----	----	----	----	----	----	----	----	
WEIGHT (KGS)	34,775	27,683	29,348	42,306	26,377	28,349	30,978	18,939	20,685	14,605	21,360	23,935	319,340
OLD WASTE TO L. PND SURFACE													
VOLUME			17,575										17,575
H2 CONC. (PH)			7.8										7.8
CHLORIDE ION													
CNC. (CC/CM)			2.17										2.17

WEIGHT (KGS)			38										38
HEDP													
CNC. (CC/CM)			0.83										0.83

WEIGHT (KGS)			15										15
HYDROXYCARBONS													
CNC. (CC/CM)			0.15										0.15

WEIGHT (KGS)			3										3
HYPOCHLORITE ION													
CNC. (CC/CM)			2.70										2.70

WEIGHT (KGS)			47										47
N-HYDROCARBON													
CNC. (CC/CM)			0.69										0.69

WEIGHT (KGS)			12										12

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

TRA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
PHOSPHATE													
CNC. (CC/CM)			1.89										1.89
WEIGHT (KGS)			33										33
PHOSPHATE ION													
CNC. (CC/CM)			5.88										5.88
WEIGHT (KGS)			103										103
POLYACRYLATE													
CNC. (CC/CM)			1.49										1.49
WEIGHT (KGS)			26										26
POTASSIUM ION													
CNC. (CC/CM)			0.30										0.30
WEIGHT (KGS)			5										5
SODIUM ION													
CNC. (CC/CM)			0.66										0.66
WEIGHT (KGS)			11										11
SULFATE ION													
CNC. (CC/CM)			212.59										212.59
WEIGHT (KGS)			3,736										3,736
TDS													
CNC. (CC/CM)			804.50										804.50
WEIGHT (KGS)			14,139										14,139
TOLYTRIAZOLE													
CNC. (CC/CM)			0.21										0.21
WEIGHT (KGS)			4										4
TOTAL HARDNESS													
CNC. (CC/CM)			468.00										468.00
WEIGHT (KGS)			8,225										8,225

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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TRA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 235-I
TRA-8

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
COLD WASTE POND SURFACE													
VOLUME			32,618	98,039	51,026	65,183	88,462	81,649	76,728	108,979	62,763	85,321	750,765
H2 CONC. (PH)			7.8	8.5	8.1	8.1	8.4	8.5	8.4	7.7	7.8	8.5	8.2
CHLORIDE ION													
CNC. (CC/CM)			0.49	0.44	0.65	0.43	0.60	0.39	0.41	0.33	0.63	0.48	0.46
WEIGHT (KGS)			16	44	33	28	53	32	31	37	40	34	348
HEDP													
CNC. (CC/CM)			0.83	0.81	0.89	0.87	0.64	0.56	0.89	0.56	1.51	0.78	0.80
WEIGHT (KGS)			27	79	45	57	57	45	68	61	95	63	598
HYDROXYCARBONS													
CNC. (CC/CM)			0.15		0.20		0.12	0.13		0.09		0.12	0.08
WEIGHT (KGS)			5		10		10	10		10		10	56
HYPOCHLORITE ION													
CNC. (CC/CM)			0.27	0.28	0.20	0.18	0.44	0.20	0.22	0.15	0.46	0.18	0.25
WEIGHT (KGS)			9	27	10	12	39	16	16	15	29	12	185
N-HYDROCARBON													
CNC. (CC/CM)			0.70		0.93		0.54	0.58		0.44		0.56	0.35
WEIGHT (KGS)			23		48		48	48		48		48	261
PHOSPHATE													
CNC. (CC/CM)			1.89	1.88	2.02	1.98	1.46	1.26	2.02	1.28	3.45	1.69	1.81
WEIGHT (KGS)			62	181	103	129	129	103	155	139	216	144	1,361
PHOSPHATE ION													
CNC. (CC/CM)			5.88	2.07	3.88	3.58	5.10	2.17	2.25	2.20	3.80	3.06	3.15
WEIGHT (KGS)			192	203	198	233	451	177	173	240	238	261	2,366
POLYACRYLATE													
CNC. (CC/CM)			1.50	1.39	2.00	1.57	1.54	1.67	1.77	1.25	2.71	1.20	1.61
WEIGHT (KGS)			49	136	102	102	136	136	136	136	170	102	1,206

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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UNITED STA DEPARTMENT OF ENERGY
INEL INDUSTRIAL WA MANAGEMENT INFORMATION SYSTEM

04/28/83

TRA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 235-I
TRA-8

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
POTASSIUM ION													
CNC. (CC/CM)			0.30	0.29	0.32	0.31	0.23	0.20	0.32	0.20	0.55	0.27	0.29
WEIGHT (KGS)			10	29	16	20	20	16	24	22	34	23	215
SODIUM ION													
CNC. (CC/CM)			0.66	0.63	0.81	0.69	0.54	0.47	0.67	0.47	1.05	0.61	0.63
WEIGHT (KGS)			21	61	42	45	48	38	51	50	66	52	474
SULFATE ION													
CNC. (CC/CM)			213.47	194.63	188.94	315.36	266.30	198.24	228.15	144.00	323.07	235.66	225.86
WEIGHT (KGS)			6,963	19,081	9,641	20,556	23,558	16,186	17,505	15,693	20,276	20,107	169,566
TDS													
CNC. (CC/CM)			804.50	518.00	616.90	272.80	765.20	882.10	562.00	871.00	847.00	879.00	708.87
WEIGHT (KGS)			26,601	50,784	31,478	17,782	67,692	72,023	43,121	94,921	53,158	74,997	532,196
TOLYTRIAZOLE													
CNC. (CC/CM)			0.21	0.20	0.22	0.22	0.16	0.14	0.22	0.14	0.38	0.19	0.20
WEIGHT (KGS)			7	20	11	14	14	11	17	15	24	16	150
TOTAL HARDNESS													
CNC. (CC/CM)			469.00	390.00	500.00	288.00	476.00	532.00	374.00	329.00	528.00	458.00	419.83
WEIGHT (KGS)			15,665	33,333	25,513	18,773	42,108	43,437	28,696	35,854	33,137	39,077	315,194
CONDENSATE LOSS	SUBSURFACE												
VOLUME	1,960	1,423	1,188	1,027	758	137				1,126	1,267	1,720	10,606
H2 CONC. (PH)													

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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TRA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 235-I
TRA-B

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
DISPOSAL WELL	SUBSURFACE												
VOLUME	44,212	79,151	17,923										141,286
H2 CONC. (PM)	8.2	8.3	7.8										8.1
CHLORIDE ION													
CNC. (CC/CM)	2.11	0.47	0.49										0.99
WEIGHT (KGS)	93	37	9										140
HEDP													
CNC. (CC/CM)	2.05	0.57	0.84										1.07
WEIGHT (KGS)	91	45	15										151
HYDROXYCARBONS													
CNC. (CC/CM)	0.23	0.13	0.15										0.16
WEIGHT (KGS)	10	10	3										23
HYPOCHLORITE ION													
CNC. (CC/CM)	0.58	0.29	0.27										0.38
WEIGHT (KGS)	26	23	5										54
N-HYDROCARBON													
CNC. (CC/CM)	1.08	0.60	0.70										0.76
WEIGHT (KGS)	48	48	13										108
PHOSPHATE													
CNC. (CC/CM)	4.67	1.30	1.90										2.43
WEIGHT (KGS)	206	103	34										344
PHOSPHATE ION													
CNC. (CC/CM)	5.60	4.10	5.87										4.88
WEIGHT (KGS)	248	325	105										677
POLYACRYLATE													
CNC. (CC/CM)	4.62	0.13	1.50										1.71
WEIGHT (KGS)	204	10	27										241

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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UNITED STATES NTMENT OF ENERGY
IDEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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TRA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 235-I
TRA-8

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
POTASSIUM ION													
CNC. (CC/CM)	0.74	0.21	0.30										0.39
	----	----	----										
WEIGHT (KGS)	33	16	5										58
SODIUM ION													
CNC. (CC/CM)	2.24	0.48	0.66										1.05
	----	----	----										
WEIGHT (KGS)	99	38	12										149
SULFATE ION													
CNC. (CC/CM)	449.66	175.38	214.14										266.13
	----	----	----										
WEIGHT (KGS)	19,881	13,881	3,838										37,600
TDS													
CNC. (CC/CM)	908.00	628.00	807.50										738.01
WEIGHT (KGS)	40,145	49,707	14,419										104,271
TOLYTRIAZOLE													
CNC. (CC/CM)	0.51	0.14	0.21										0.26
	----	----	----										
WEIGHT (KGS)	23	11	4										38
TOTAL HARDNESS													
CNC. (CC/CM)	492.00	366.00	464.00										418.37
WEIGHT (KGS)	21,752	28,969	8,388										59,110
IRRIGATION SURFACE													
VOLUME						22,742	19,078	11,140	7,631				60,591
H2 CONC. (PH)						7.9	7.8	8.3	7.8				7.9
TDS													
CNC. (CC/CM)						244.90	264.60	237.70	241.00				249.29
WEIGHT (KGS)						5,570	5,048	2,643	1,839				15,100

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

TRA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 235-I
TRA-8

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
RADIOACTIVE STREAM SURFACE													
VOLUME	22,322	19,812	18,615	25,259	20,274	11,447	14,119	10,379	10,682	14,308	9,278	13,355	189,450
H2 CONC. (PH)													
SEWAGE PLANT SURFACE													
VOLUME	1,812	1,458	1,466	1,505	1,187	1,525	2,068	1,507	1,229	2,462	1,432	1,725	19,376
H2 CONC. (PH)	7.4	7.4	7.5	7.5	7.4	7.5	7.5	7.6	7.5	7.6	7.6	7.5	7.5
CHLORIDE ION													
CNC. (CC/CM)	10.95	10.88	14.21	13.18	13.38	10.41	9.59	10.53	12.91	80.61	11.09	11.50	20.10
	----	----	----	----	----	----	----	----	----	----	----	----	
WEIGHT (KGS)	20	16	16	20	16	16	20	16	16	198	16	20	390
HYPOCHLORITE ION													
CNC. (CC/CM)	15.49	15.80	14.28	19.13	19.42	15.11	13.92	15.29	18.74	116.99	16.09	16.70	29.17
	----	----	----	----	----	----	----	----	----	----	----	----	
WEIGHT (KGS)	29	23	24	29	23	23	29	23	23	288	23	29	565

NOTES: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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UNITED STATES DEPARTMENT OF ENERGY
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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TRA INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 236-I
TRA

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	VOLUME OR WEIGHT BY MONTH JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID		126.2	137.6	163.5	161.3	183.5	169.0	154.5	202.6	160.6	220.2	135.3	1,814.3
2 M SOLID	12.2	27.4	13.8	3.1	10.7	6.1	12.2	9.2	9.2	9.2		12.2	125.4
3 M SOLID		0.4	11.9	19.1	6.1	13.8	5.4	19.1	593.4	35.9	222.5	7.6	935.5
4 M SOLID	0.8								4.6		16.4	0.2	22.0
5 M SOLID					3.1								3.1
5 M SOLID												3.1	3.1
METAL SHAVINGS													
A L LIQUID					75.7								75.7
PAINT													
9 M SOLID											0.4		0.4
BARRELS													
9 M SOLID									0.8				0.8
BOLTS,NUTS,IRON													
9 M SOLID									1.1				1.1
CARDBOARD													
9 M SOLID											9.2		9.2
DIRT													
9 M SOLID								0.4					0.4
EMPTY 55 GAL DRUMS													
9 M SOLID									3.1				3.1
FIBERGLASS SHEETING													
9 M SOLID						2.3							2.3
INSULATION													
9 M SOLID						3.1							3.1
INSULATION WRAPPER													
9 M SOLID					2.3								2.3
METAL CEILING TILE													
9 M SOLID		4.4							3.1				7.6
METAL SHAVINGS													
9 M SOLID									1.5				1.5
PIPE													
9 M SOLID						45.9	71.1	3.4					120.4
ROOF MATERIAL SCRAP													
9 M SOLID								4.2		0.8	7.3		12.2
WEEDS													
TRA BLDG 608													
DISPOSED WASTE													
A KG SOLID		2926.4											2,926.6
SODIUM HYDROXIDE UNDERGROUND LEAK													
A L LIQUID		3611.4											3,611.6
SULFURIC ACID UNDERGROUND LEAK													

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

TRA INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

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DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID		126.2	137.6	163.5	161.3	183.5	169.0	154.5	202.6	160.6	220.2	135.3	1,814.3
2 M SOLID	12.2	27.4	13.8	3.1	10.7	6.1	12.2	9.2	9.2	9.2		12.2	125.4
3 M SOLID		0.4	11.9	19.1	6.1	13.8	5.4	19.1	593.4	35.9	222.5	7.6	933.8
4 M SOLID	6.8								8.8		16.8	9.2	22.0
5 M SOLID					3.1							3.1	6.1
6 MB SOLID		2926.4											2,926.4
8 L LIQUID		3611.4			75.7								3,687.3
9 M SOLID		4.4			2.3	51.2	71.1	8.0	9.6	8.8	16.8		164.4

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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TRA WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 237-I
TRA

(ALL VOLUMES = NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
1 WATER PUMPED (L)	6,162	9,172	7,612	8,422	8,046	40,389	9,376	44,932	9,952	41,676	21,213	11,655	214,608
3 WATER PUMPED (L)			3,959	76		753		2,979		6,056	1,056	5,140	20,020
8 WATER PUMPED (L)	203,990	165,151	153,986	215,989	166,553	158,755	237,641	143,236	177,001	170,338	164,585	204,179	2,161,405
WATER PUMPED (L)	210,152	174,323	165,558	224,487	170,600	199,898	247,017	191,146	186,952	218,071	186,854	220,974	2,396,033
WATER DISPOSAL													
AIR (L)	135,589	69,271	73,965	94,292	85,283	96,412	120,145	84,677	88,652	88,462	110,304	116,398	1,163,449
SURFACE (L) *	26,569	22,992	71,012	127,640	74,040	101,825	124,801	104,929	97,055	126,013	73,851	101,143	1,051,870
SUBSURFACE (L)	46,143	80,551	19,112	1,027	758	137				1,126	1,267	1,708	151,829
SEWAGE DATA													
BUILD VOL. (L)	1,812	1,454	1,466	1,505	1,187	1,525	2,068	1,507	1,229	2,462	1,432	1,725	19,376
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	191.7	206.4	228.0	304.2	304.5	173.0	180.0	183.0	218.8	205.0	128.3	163.8	207.2
FINAL CONC. (MG/L)	22.0	14.4	14.0	26.8	26.5	33.8	14.5	17.3	18.3	7.8	6.0	15.8	18.1
% REMOVED	88.5	92.4	93.9	91.2	91.3	80.5	91.9	90.5	91.6	96.2	95.3	90.4	91.3
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	2.3	1.4	2.8	1.2	1.8	2.0	1.8	1.0	1.3	1.3	1.0	1.3	1.6
FINAL CONC. (MG/L)	4.0	4.0	4.3	4.2	5.0	4.5	4.8	4.8	4.8	4.3	5.7	4.5	4.6
INCREASED FACTOR	0.7	1.7	0.5	2.5	1.8	1.3	1.7	3.8	2.7	2.3	4.7	2.5	1.9
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	3.8	7.4	4.9	5.8	7.5	6.0	5.3	5.0	5.3	7.5	3.9	6.7	5.8
FINAL CONC. (ML/L)	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
% REMOVED	98.7	99.4	99.0	99.1	99.3	99.2	99.1	99.0	99.1	99.3	98.7	99.3	99.1
PH FINAL	7.8	7.7	8.0	8.1	7.8	8.1	8.0	8.0	7.8	7.5	7.9	7.5	7.8
TOTAL SEWAGE VOL. (L)	1,812	1,454	1,466	1,505	1,187	1,525	2,068	1,507	1,229	2,462	1,432	1,725	19,376
TOTAL WATER DISPOSED (L)	210,114	174,273	165,555	224,464	161,268	199,898	247,015	191,113	186,936	218,062	186,854	220,974	2,386,523
ACCOUNTABILITY (%)	100.0	100.0	100.0	100.0	94.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6

NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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FUEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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TRA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 238-I
TRA

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE / EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DIESEL													
VOLUME (LITERS)	169	143	129	150	114	129	152	108	135	129	136	168	1,657
SO2 (KGS)	1	1	1	1	1	1	1	1	1	1	1	1	11
NOX (KGS)													
PARTICULATES (KGS)													
TYPE 5													
VOLUME (LITERS)	234	209	172	182	214	58				152	124	239	1,584
SO2 (KGS)	6	6	5	5	6	2				4	3	6	42
NOX (KGS)													
PARTICULATES (KGS)	1	1	1	1	1	0				1	1	1	8
GRAND TOTALS													
SO2 (KGS)	7	7	5	6	6	2	1	1	1	5	4	7	54
NOX (KGS)													
PARTICULATES (KGS)	1	1	1	1	1	0				1	1	1	8

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WER INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 246-I
WER

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
CFA LANDFILL													
DISPOSED WASTE													
9 M SOLID ROCK											11.5		11.5
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID				8.4									8.4
3 M SOLID			3.1	1.1	7.6							0.8	12.6
4 M SOLID									4.6	4.6			9.2
9 M SOLID OTHER-ROOFING			4.6										4.6
9 M SOLID ROCK										1.5			1.5
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID				8.4									8.4
3 M SOLID			3.1	1.1	7.6							0.8	12.6
4 M SOLID									4.6	4.6			9.2
9 M SOLID			4.6							1.5	11.5		17.6

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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WMC INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 256-I
WMC

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID											15.3		15.3
CFA LANDFILL													
DISPOSED WASTE													
1 M SOLID	0.2	4.4	9.2	11.1	14.5	12.6	29.1	16.8	18.4	3.8		14.5	134.8
2 M SOLID						13.8							13.8
3 M SOLID			0.4									0.8	1.1
4 M SOLID	3.8	9.2								22.9			35.9
5 M SOLID						1.5							1.5
9 M SOLID MIXED GRAVEL AND SCRAP METAL					6.1								6.1
9 M SOLID ROOF TEAROFF					3.1								3.1
GRAND TOTALS													
DISPOSED WASTE													
1 M SOLID	0.2	4.4	9.2	11.1	14.5	12.6	29.1	16.8	18.4	3.8	15.3	14.5	150.1
2 M SOLID						13.8							13.8
3 M SOLID			0.4									0.8	1.1
4 M SOLID	3.8	9.2								22.9			35.9
5 M SOLID						1.5							1.5
9 M SOLID					9.2								9.2

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INEL INDUSTRIAL WA. MANAGEMENT INFORMATION SYSTEM

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WMC WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 257-I
WMC

(ALL VOLUMES @ NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
EBR WATER PUMPED (L)	541	302	122	475	236	668	1,762	534	209	185	153	206	5,391
WMC WATER PUMPED (L)	5,799	4,262	1,706	1,695	1,993	1,075	2,027	182	103	621	2,636	6,772	28,871
WATER PUMPED (L)	6,340	4,564	1,828	2,169	2,228	1,744	3,789	717	312	806	2,789	6,977	34,262
WATER DISPOSAL													
AIR (L) *													
SURFACE (L) *	313	229	87	104	107	83	185	63	46	145	541	689	2,588
SUBSURFACE (L) *	5,943	4,255	1,657	1,982	2,038	1,577	3,520	570	185	578	2,164	6,288	30,678
SEWAGE DATA													
EBR BUILD VOL. (L)	45	45	45	45	45	45	45	45	45	45	45	45	545
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)													
FINAL CONC. (MG/L)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL													

NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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WMC WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 257-I
WMC

(ALL VOLUMES @ NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
SEWAGE DATA													
WMC BUILD VOL. (L)	38	38	38	38	38	38	38	38	38	38	38	38	454
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 VOL. (L)	83	83	83	83	83	83	83	83	83	83	83	83	999
TOTAL WATER DISPOSED (L)	6,339	4,562	1,828	2,169	2,228	1,743	3,788	716	312	806	2,788	6,977	34,257
ACCOUNTABILITY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NOTE: "*" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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INEL INDUSTRIAL WAS[illegible] [illegible]ANAGEMENT INFORMATION SYSTEM

04/28/83

WRF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 245-I
WRF-8

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION WEIGHT (KGS)	110	12[illegible]	138	138	165	151		138	69	83	220	261	1,596
PHOSPHATE ION WEIGHT (KGS)	1	[illegible]	1	1	1	1		1	2	4	4	5	22
SODIUM ION WEIGHT (KGS)	101	117	139	130	129	114	26	97	60	70	179	188	1,349
SULFATE ION WEIGHT (KGS)	64	80	112	80	48	44	64	16	32	48	80	32	700
SULFITE ION WEIGHT (KGS)	5	[illegible]	6	3	3	2		1	2	3	4	5	38

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WRF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 265-I
WRF-B

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
WRRTF DISPOSAL WELL SUBSURFACE													
VOLUME	2,345	9,653	9,554	8,247	4,910	8,906	4,194	4,217	8,209	4,198	4,217	5,019	61,669
H2 CONC. (PH)													
CHLORIDE ION													
CNC. (CC/CM)	46.94	12.83	19.81	32.40	33.63	30.86		32.63	16.35	19.67	52.22	52.09	25.89
	----	----	----	----	----	----		----	----	----	----	----	
WEIGHT (KGS)	110	124	138	138	165	151		138	69	83	220	261	1,596
PHOSPHATE ION													
CNC. (CC/CM)	0.39	0.10	0.11	0.21	0.14	0.11		0.29	0.58	0.87	0.86	1.09	0.35
	----	----	----	----	----	----		----	----	----	----	----	
WEIGHT (KGS)	1	1	1	1	1	1		1	2	4	4	5	22
SODIUM ION													
CNC. (CC/CM)	42.95	12.12	14.57	30.71	26.18	23.18	6.22	22.98	14.21	16.66	42.49	37.42	21.88
	----	----	----	----	----	----	----	----	----	----	----	----	
WEIGHT (KGS)	101	117	139	130	129	114	26	97	60	70	179	188	1,349
SULFATE ION													
CNC. (CC/CM)	27.27	8.28	14.71	18.82	9.77	9.06	15.24	3.79	7.68	11.42	18.95	6.37	11.35
	----	----	----	----	----	----	----	----	----	----	----	----	
WEIGHT (KGS)	64	80	112	80	48	44	64	16	32	48	80	32	704
SULFITE ION													
CNC. (CC/CM)	1.96	0.60	0.06	0.61	0.53	0.41		0.20	0.41	0.69	0.89	0.98	0.61
	----	----	----	----	----	----		----	----	----	----	----	
WEIGHT (KGS)	5	6	6	3	3	2		1	2	3	4	5	38
WRRTF SEWAGE POND SURFACE													
VOLUME	164	147	246	152	131	136	157	136	183	152	133	143	1,839
H2 CONC. (PH)													

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

NO. PAAPH00A-P

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INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

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WRF INDUSTRIAL WASTE SUMMARY

FOR JANUARY THROUGH DECEMBER 1982

RPT 266-I

WRF

DISPOSAL OR STORAGE LOCATION / TYPE OF WASTE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
	VOLUME OR WEIGHT BY MONTH												
CFA LANDFILL													
DISPOSED WASTE													
3 M SOLID				1.1									1.1
9 M SOLID				6.9									6.9
JUNK													
GRAND TOTALS													
DISPOSED WASTE													
3 M SOLID				1.1									1.1
9 M SOLID				6.9									6.9

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NRF WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1982

RPT 267-I
NRF

(ALL VOLUMES @ NEAREST THOUSAND LITERS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
NRF WATER PUMPED (L)	2,509	9,804	12,620	4,399	5,042	5,042	4,353	4,353	4,353	4,353	4,353	5,163	66,341
WATER DISPOSAL													
AIR (L)													
SURFACE (L)													
SUBSURFACE (L)	2,345	9,654	9,554	4,243	4,910	4,906	4,194	4,217	4,209	4,198	4,217	5,019	61,665
SEWAGE DATA													
643 BUILD VOL. (L)	164	147	246	152	131	136	157	136	143	152	133	143	1,839
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (MG/L)	25.1	26.4	62.5	63.5	78.0	66.2	58.0	34.0	42.7	59.0	52.8	49.7	51.5
FINAL CONC. (MG/L)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (MG/L)	3.5	2.4	2.8	2.7	2.7	2.8	2.2	2.2	1.5	1.0	1.0	2.0	2.3
FINAL CONC. (MG/L)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH FINAL	8.2	7.4	8.1	8.2	8.1	8.3	8.2	8.1	7.6	7.0	7.3	7.1	7.8
TOTAL SEWAGE VOL. (L)	164	147	246	152	131	136	157	136	143	152	133	143	1,839
TOTAL WATER DISPOSED (L)	2,509	9,804	9,800	4,395	5,041	5,041	4,351	4,352	4,352	4,350	4,350	5,162	63,503
ACCOUNTABILITY (%)	100.0	100.0	77.7	99.9	100.0	100.0	99.9	100.0	100.0	99.9	99.9	100.0	95.7

NOTE: "A" IN COLUMNS INDICATE A PORTION OF VOLUME IS ESTIMATED

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NRF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY RPT 268-I
FOR JANUARY THROUGH DECEMBER 1982 NRF

(ALL VALUES @ NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TYPE 2													
VOLUME (LITERS)	26	25	33	21	12	11			2	9	16	26	183
SO2 (KGS)	0	0	0	0	0	0			0	0	0	0	1
NOX (KGS)													
PARTICULATES (KGS)													
GRAND TOTALS													
SO2 (KGS)	0	0	0	0	0	0			0	0	0	0	1
NOX (KGS)													
PARTICULATES (KGS)													