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IDAHO NATIONAL ENGINEERING LABORATORY

INDUSTRIAL WASTE MANAGEMENT INFORMATION FOR 1974 AND RECORD-TO-DATE

COMPILED BY:

S. S. WHITE

OFFICE OF WASTE MANAGEMENT

IDAHO NATIONAL ENGINEERING LABORATORY

IDAHO OPERATIONS OFFICE
U. S. ATOMIC ENERGY COMMISSION

NOTICE

EFFECTIVE JANUARY 19, 1975, THE ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION (ERDA) WAS OFFICIALLY ESTABLISHED WITH THE U. S. ATOMIC ENERGY COMMISSION (USAEC) BEING INCORPORATED INTO ERDA. SINCE THIS DOCUMENT CONTAINS WASTE MANAGEMENT DATA GENERATED WHILE THE IDAHO NATIONAL ENGINEERING LABORATORY (INEL) WAS UNDER THE USAEC, THE REPORT HEADINGS HAVE NOT BEEN CHANGED TO REFLECT THE NAME OF THE NEW AGENCY.

INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION

1974 AND RECORD-TO-DATE

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ABSTRACT

THIS REPORT SUMMARIZES THE INDUSTRIAL WASTE DATA ASSOCIATED WITH ACTIVITIES AT THE IDAHO NATIONAL ENGINEERING LABORATORY (INEL) FOR 1974 AND RECORD-TO-DATE. 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 SUMMARIZED IN THIS REPORT. THE WASTE DATA HAS BEEN TAKEN FROM THE INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM.

ABBREVIATIONS

IDENTIFICATION	ABBREVIATION
ARGONNE NATIONAL LABORATORY	ANL
AUXILIARY REACTOR AREA	ARA
CENTRAL FACILITIES AREA	CFA
CHEMICAL PROCESSING PLANT	CPP
EXPERIMENTAL BREEDER REACTOR	EBR
IDAHO NATIONAL ENGINEERING LABORATORY	INEL
LOSS OF FLUID TEST FACILITY	LOFT
LOW POWER TEST FACILITY	LPT
NAVAL REACTORS FACILITY	NRF
POWER BURST FACILITY	PBF
SPECIAL POWER EXCURSION REACTOR TEST	SPERT (PER)
TEST AREA NORTH	TAN
TECHNICAL SUPPORT FACILITIES (TAN)	TF
TEST REACTORS AREA	TRA
TRANSIENT REACTOR TEST FACILITY	TREAT

INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION

1974 AND RECORD-TO-DATE

INTRODUCTION

IN RECENT YEARS, THE REPORTING AND DOCUMENTING OF INFORMATION ON THE LEVELS OF INDUSTRIAL WASTE (NONRADIOACTIVE) DISCHARGES FROM ERDA FACILITIES HAVE BECOME MORE IMPORTANT.

A COMPUTERIZED INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM (IWMIS) HAS BEEN DEVELOPED AT THE IDAHO NATIONAL ENGINEERING LABORATORY (INEL). THE SYSTEM PROVIDES FOR TIMELY AND ACCURATE REPORTS ON THE AMOUNT OF ALL TYPES OF INDUSTRIAL WASTE WHICH HAS BEEN STORED AND DISPOSED AT THE INEL. THE SYSTEM ALSO PROVIDES INFORMATION ON FUEL OIL USAGE AND WATER USAGE AND DISPOSAL.

THE SYSTEM SERVES AS THE OFFICIAL RECORD FOR ALL TYPES OF INDUSTRIAL WASTES STORED OR DISPOSED AT THE INEL. IT IS DESIGNED TO STANDARDIZE THE REPORTING OF ALL FORMS AND TYPES OF WASTES DISPOSED OR STORED AT THE INEL. THE DATA IS INPUT ON A MONTHLY BASIS ON A SPECIALLY DESIGNED FORM BY INEL CONTRACTORS. COMPUTERIZATION OF THE DATA PROVIDES CONSIDERABLE FLEXIBILITY IN MAKING VARIOUS DATA READILY AVAILABLE FROM A SINGLE DATA BASE. THE SYSTEM IS AN EFFECTIVE TOOL IN THE MANAGEMENT OF INDUSTRIAL WASTE AT THE INEL.

THE IWMIS PROVIDES MONTHLY, YEARLY, AND SPECIAL REPORTS WHICH ARE USEFUL TO VARIOUS LEVELS OF MANAGEMENT IN APPRAISING THEIR INDUSTRIAL WASTE PROGRAMS. YEARLY REPORTS PROVIDE A SUMMARY BY TYPE AND PRODUCER OF WASTE.

SEVERAL FACTORS LED TO THE DECISION TO COMPUTERIZE THE INDUSTRIAL WASTE MANAGEMENT DATA AT THE INEL. FIRST, INCREASED EMPHASIS WAS BEING PLACED ON INDUSTRIAL WASTE BY THE ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION (ERDA), OTHER FEDERAL AGENCIES, AND STATE AND LOCAL AGENCIES; SECOND, THERE WAS A GROWING NEED TO RESORT TO THE DATA TO DEVELOP HISTORICAL INFORMATION; THIRD, THE EXISTING SYSTEM DID NOT PROVIDE ACCESS TO WASTE MANAGEMENT ACTIVITIES; AND, FOURTH, THE INEL RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM HAD BEEN COMPUTERIZED WITH EXCELLENT RESULTS AND ACCEPTANCE BY THE CONTRACTORS.

A NUMBER OF REPORTS HAVE BEEN DEVELOPED FOR THE SYSTEM. THE FOLLOWING ARE THE REPORTS WITH A BRIEF DESCRIPTION AND PURPOSE FOR EACH:

1. 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.

2. REPORT 2, INEL YEAR-TO-DATE WATER USAGE SUMMARY. THIS REPORT PROVIDES THE QUANTITY OF WATER PUMPED AND DISPOSED AND PERCENT ACCOUNTABILITY AT EACH FACILITY FOR THE YEAR-TO-DATE.

3. 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 BY TYPES 1 THROUGH 9 WHICH CORRESPOND GENERALLY WITH THE STANDARD CLASSIFICATIONS FOR SANITARY WASTES.

4. REPORT 4, INEL AIRBORNE AND 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.

5. 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.

6. REPORT 6, INEL YEAR-TO-DATE FUEL OIL SUMMARY. THIS REPORT PROVIDES SIMILAR INFORMATION TO REPORT 5 FOR THE YEAR-TO-DATE.

OTHER REPORTS AVAILABLE FROM THE SYSTEM ARE:

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 AND DISPOSAL SUMMARY

SERIES XX8, (FACILITY) FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY

A DETAILED LIST OF REPORTS AVA'LABLE THROUGH THE INEL INDUSTRIAL WASTE MANAGEMENT SYSTEM IS FOUND ON PAGES 8 AND 9.

REFERENCE: "A COMPUTERIZED INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM," U. S. ATOMIC ENERGY COMMISSION, ROLAND M. NELSON AND GEORGE WEHMANN, APRIL 1974.

SUMMARY

THIS DOCUMENT PROVIDES DETAILED WASTE MANAGEMENT DATA ON THE TYPES AND QUANTITIES OF INDUSTRIAL WASTE, FUEL OIL USAGE, AND WATER USAGE FOR THE YEAR 1974 AND RECORD-TO-DATE. IT ALSO PROVIDES SUMMARY REPORTS ON INEL INDUSTRIAL WASTE MANAGEMENT FOR 1974, AND PROVIDES EVIDENCE OF THE EFFECTIVENESS OF THE INEL WASTE MANAGEMENT PROGRAM.

A TOTAL OF 35,010 CUBIC YARDS OF SOLID INDUSTRIAL WASTE WAS DISPOSED TO SANITARY LANDFILLS AT THE INEL DURING 1974. THIS COMPARES TO 30,370 CUBIC YARDS IN 1973, 33,310 CUBIC YARDS IN 1972, AND 31,200 CUBIC YARDS IN 1971. AN ADDITIONAL 25,700 POUNDS OF POTASSIUM HYDROXIDE AND 36,500 POUNDS OF SODIUM HYDROXIDE WERE DISPOSED AT THE RADIOACTIVE WASTE MANAGEMENT COMPLEX. THIS WASTE WAS GENERATED DURING THE PROCESSING OF THE SLIGHTLY CONTAMINATED NAK FROM THE DECONTAMINATION AND DECOMMISSIONING OF THE EBR-I.

DURING 1974, A TOTAL OF 20,660 GALLONS OF WASTE OILS AND SOLVENTS WAS DISPOSED OF BY PLACING IT ON GRAVEL ROADS AS A DUST INHIBITOR OR SOLD AS USED OIL. THIS COMPARES WITH 15,270 GALLONS IN 1973, 5,561 GALLONS IN 1972, AND 23,740 GALLONS IN 1971.

A TOTAL OF 11,780,000 POUNDS OF CHEMICALS, DISSOLVED SOLIDS AND HARDNESS WERE DISCHARGED AS LIQUID WASTES TO THE LITHOSPHERE AT THE INEL DURING 1974. THIS LIQUID WASTE REPRESENTS AN INCREASE FROM THE QUANTITY OF 6,168,000 POUNDS IN 1973, 6,989,000 POUNDS IN 1972, AND 7,048,000 POUNDS IN 1971.

DURING 1974, A TOTAL OF 6,966,000 GALLONS OF FUEL OIL WAS USED AT THE INEL WHICH PRODUCED 1,227,000 POUNDS OF SO_2 AND 133,800 POUNDS OF PARTICULATES. DURING 1973, 7,479,000 GALLONS OF FUEL OIL WAS USED PRODUCING 434,000 POUNDS OF SO_2 AND 10,860 POUNDS OF PARTICULATES. THE INCREASE IN THE QUANTITIES OF SO_2 AND PARTICULATES FROM 1973 TO 1974 IS DUE GENERALLY TO THE CHANGE THROUGHOUT THE INEL IN THE USE OF NUMBER 2 FUEL OIL TO NUMBERS 5 AND 6 FUEL OILS.

A TOTAL OF 2,878,000,000 GALLONS OF WATER WAS USED AT THE INEL DURING 1974 COMPARED TO 2,549,000,000 GALLONS IN 1973, 2,465,000,000 GALLONS IN 1972, AND 2,403,000,000 GALLONS IN 1971. HOWEVER, THE MAJORITY OF THIS WATER IS RETURNED TO THE LITHOSPHERE VIA INJECTION WELLS AND SEEPAGE PONDS. THE REMAINING WATER IS LOST TO THE ATMOSPHERE VIA COOLING TOWERS AND OTHER EVAPORATORY PROCESSES.

INEL INDUSTRIAL WASTE SUMMARY

RECORD-TO-DATE

YEAR	SANITARY WASTE (CUBIC YARDS)	OIL-SOLVENTS (GALLONS)	LIQUID WASTE (POUNDS)	AIRBORNE WASTE (POUNDS)	FUEL OIL QUANTITY (GALLONS)	FUEL OIL SO2 (POUNDS)	FUEL OIL PARTICULATES (POUNDS)	WATER USED (THOUSAND GALLONS)
1971	31,200	23,740	7,048,000	1,783,000	5,679,000	1,712,000	71,310	2,403,000
1972	33,310	5,561	6,989,000	1,130,000	7,069,000	1,084,000	46,000	2,465,000
1973	30,370	15,270	6,168,000	444,900	7,479,000	434,000	10,860	2,549,000
1974	35,010	20,660	11,780,000	1,361,000	6,966,000	1,227,000	133,800	2,878,000

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

YEAR	ANL	ARA	CFA	CPP	NRF	PBF	TAN	TRA	TOTAL
RECORD-TO-DATE (71-72)									
SANITARY WASTES (CU. YDS.)	6,899		12,670	6,440	20,980	4,104	4,099	9,324	64,510
OILS & SOLVENTS (GALLONS)			22,000		7,296				29,300
CHEMICALS									
LIQUIDS (GALLONS)					9,264				9,264
SOLIDS (POUNDS)					7,942				7,942
1973									
SANITARY WASTES (CU. YDS.)	3,991		5,072	3,377	8,993	732	3,768	4,432	30,370
OILS & SOLVENTS (GALLONS)			5,000		8,765				15,270
CHEMICALS									
LIQUIDS (GALLONS)					1,385			1,509	2,894
SOLIDS (POUNDS)									
1974									
SANITARY WASTES (CU. YDS.)	4,699		5,690	4,245	11,040	4	4,199	5,131	35,010
OILS & SOLVENTS (GALLONS)	110				20,400		150		20,660
CHEMICALS									
LIQUIDS (GALLONS)					120	75		150	345
SOLIDS (POUNDS)	590		2,988		50			38,770	42,400

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL INDUSTRIAL WASTE SUMMARY IN CUBIC YARDS*
FOR JANUARY THROUGH DECEMBER 1974

TYPES	ANL	ARA	CFA	CPP	NRF	PBF	TAN	TRA	TOTAL
1. TRASH	4,340		4,970	3,771	9,211		4,078	4,891	31,260
2. CAFETERIA GARBAGE	196		395	456	1,116			170	2,333
3. WOOD & SCRAP LUMBER	143		162		268			38	611
4. MASONRY & CONCRETE	12		150	14	217	4	96	24	517
5. SCRAP METAL	8		9	4	98		25	8	152
6. OIL (GALLONS)	110				20,330		150		20,593
7. SOLVENTS (GALLONS)					70				70
8. CHEMICALS									
LIQUID (GALLONS)					120	75		150	345
SOLIDS (POUNDS)	590		2,988		50			38,770	42,400
9. OTHERS									
LIQUIDS (GALLONS)									
SOLIDS (CU. FT.)			108		3,539				3,647
TOTALS									
SANITARY TYPES 1, 2, 3, 4, 5, & 9 (CUBIC YARDS)	4,699		5,690	4,245	11,040	4	4,199	5,131	35,010
OILS & SOLVENTS TYPES 6 & 7 (GALLONS)	110				20,400		150		20,660
CHEMICALS									
LIQUIDS (GALLONS)					120	75		150	345
SOLIDS (POUNDS)	590		2,988		50			38,770	42,400

* EXCEPT AS NOTED

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

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

SUBSTANCE IDENTIFICATION	1971-1972	1973	1974	TOTAL
AUTO CLEANERS	7,608	5,936	6,464	20,010
BETZ A-9	75	75		150
BETZ J-12	40			40
BETZ 65			1,200	1,200
BETZ 109		3	1	4
BETZ 406		90	156	246
BETZ 419		915	3,182	4,097
BETZ DE 453			250	250
BETZ DE 481	1,721	14,890	763	17,370
BETZ-DIANODIC 194	8,228	21,580	5,270	35,070
BETZ NEUTRMEEN	1,744	1,332	306	3,382
BIOCIDE D-2	20,280	975		21,250
BLEACH	308	494	729	1,531
CALCIUM ION	354	204	244	802
CHLORIDE ION	1,665,000	518,100	648,400	2,832,000
DISPERSANT 403		23,540	10,150	33,690
HEXAVALENT CHROMIUM	5,253		64	5,317
HYPOCHLORITE	8,912	20,750	2,501	32,160
KWIK KLEEN	100	1,200	1,125	2,425
LAUNDRY PRODUCTS	1,950	1,165	678	3,793
NITRATE ION	4	101,400	66,930	168,300
NITROGEN DIOXIDE			699,400	699,400
CROCOL 194	150			150
CROCOL 734	1,271	45,040	70,120	116,400
PHOSPHATE ION	28,190	20,500	31,970	80,660
PHOTO LAB CHEMICALS	10,010	636	2,240	12,880
POLYNODIC 606		6,300	47,700	54,000
SKASOL	4,096	1,920	960	6,976
SLIMICIDE A-9	1,991	3,920	7,633	13,540
SLIMICIDE C-35		1,687	2,016	3,703
SLIMICIDE D-2		1,540	2,944	4,484
SLIMICIDE J-9	2,363	9,912	9,903	22,180
SLIMICIDE J-12		3,230	4,228	7,458
SOAP	34,320	15,760	9,676	59,760
SODIUM ION	1,538,000	505,700	570,600	2,615,000
SPRA-SAF	1,900			1,900
SULFATE ION	4,620,000	2,231,000	3,048,000	9,899,000
SULFITE ION	5,963	3,765	1,583	11,310
SULFUR DIOXIDE	5,310	6,108	5,459	16,880
TDS	6,058,000	2,598,000	5,492,000	14,150,000
TOTAL HARDNESS			1,027,000	1,027,000
TRIVALENT CHROMIUM		164		164
ZINC ION	3,865			3,865
TOTAL	14,040,000	6,168,000	11,780,000	31,990,000

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

AIRBORNE AND LIQUID
INDUSTRIAL WASTE SUBSTANCES SUMMARY IN POUNDS
FOR JANUARY THROUGH DECEMBER, 1974

SUBSTANCE IDENTIFICATION	ANL	ARA	CFA	CPP	NRF	PBF	TAN	TRA	TOTAL
AUTO CLEANERS			6,464						6,464
BETZ 65								1,200	1,200
BETZ 109						1			1
BETZ 406						156			156
BETZ DE 419								3,182	3,182
BETZ DE 453								250	250
BETZ DE 481								763	763
BETZ DIANODIC 194	4,800					470			5,270
BETZ NEUTRMEEN	305								305
BLEACH			729						729
CALCIUM ION				136			108		244
CHLORIDE ION			14,570	374,200	243,100		16,650		648,400
DISPERSANT 403					10,150				10,150
HEXAVALENT CR	17				45				62
HYPOCHLORITE			942	347			280	932	2,501
KWIK KLEEN			1,125						1,125
LAUNDRY PRODUCTS			677						677
NITRATE ION				66,930					66,930
NITROGEN DIOXIDE				699,400					699,400
ORCCCL 734					70,120				70,120
PHOSPHATE ION	5				27,950		589	3,417	31,960
PHOTO LAB CHEMICALS	2,240								2,240
POLYNCDIC 606								47,700	47,700
SKASCL	960								960
SLIMICIDE A-9					7,480	153			7,633
SLIMICIDE C-35					2,016				2,016
SLIMICIDE D-2					2,944				2,944
SLIMICIDE J-9					3,840			6,063	9,903
SLIMICIDE J-12					4,188	40			4,228
SOAP			9,676						9,676
SODIUM ION	5,055		9,432	167,300	243,900	1,204	14,260	129,500	570,600
SULFATE ION	28,980			104,900	1,005,000	2,177	7,474	1,899,000	3,048,000
SULFITE ION	26					3	1,501	54	1,584
SULFUR DIOXIDE	5,112					347			5,459
TDS				1,163,000	2,131,000			2,197,000	5,492,000
TOTAL HARDNESS								1,027,000	1,027,000
TOTAL	47,500		43,610	2,577,000	3,752,000	4,551	40,860	5,315,000	11,780,000

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

NRTS FUEL OIL SUMMARY
RECORD-TO-DATE

	1971-1972				1973				1974			
FACILITY	FUEL OIL (GAL)	SO2 (LBS)	PART. (LBS)	DIESEL (GAL)	FUEL OIL (GAL)	SO2 (LBS)	PART. (LBS)	DIESEL (GAL)	FUEL OIL (GAL)	SO2 (LBS)	PART. (LBS)	DIESEL (GAL)
ANL	1,543,000	272,000	19,150		961,100	45,860	1,812		770,300	36,760	3,460	
ARA	50,980	1,354			42,200	1,588			34,760	7,012	1,153	
CFA	1,173,000	201,100	32,180		705,900	18,770			590,200	104,900	16,900	
CPP	3,211,000	455,300	12,140		1,701,000	45,230			1,940,000	50,200		
NRF	3,237,000	839,500	15,600		1,976,000	215,800	5,049		1,609,000	523,400	28,800	
PBF	58,040	1,543			23,260	618			21,380	3,256	509	
TAN	1,398,000	394,600	19,000		792,400	58,610	2,814		845,500	207,800	35,090	700
TRA	2,077,000	630,500	19,260	780,400*	1,277,000	47,490	1,186	347,000*	1,155,000	294,200	47,920	391,500
TOTAL	12,750,000	2,796,000	117,300	780,400	7,479,000	434,000	10,860	347,000*	6,966,000	1,227,000	133,800	392,200

* TRA EMERGENCY GENERATOR

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL WATER USAGE SUMMARY IN THOUSAND GALLONS

RECORD-TO-DATE

YEAR	ANL	ARA	CFA	CPP	NRF	PBF	TAN	TRA	TOTAL
1971	80,440	16,330	96,090	260,600	478,600	9,102	35,110	1,427,000	2,403,000
1972	105,200	33,520	126,300	364,500	284,400	7,861	41,950	1,501,000	2,465,000
1973	105,600	36,750	118,800	379,900	565,600	10,520	46,600	1,285,000	2,549,000
1974	112,400	28,370	127,100	414,700	838,900	8,844	52,280	1,296,000	2,878,000
TOTAL	403,600	115,000	468,310	1,420,000	2,168,000	36,330	175,900	5,509,000	10,300,000

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

LIST OF REPORTS

INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

IDAHO NATIONAL ENGINEERING LABORATORY

REPORT 1	INEL MONTHLY WATER USAGE SUMMARY
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IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

INEL MONTHLY WATER USAGE SUMMARY
DECEMBER 1974

(ALL VOLUMES = NEAREST THOUSAND GALLONS)

AREA OF ORIGIN	MONTHLY VOLUME PUMPED	MONTHLY VOLUME DISPOSED					ACCOUNTA-BILITY (%)
		AIR	SURFACE	SUBSURFACE	SEWAGE	TOTAL	
ANL	7,409	45	1,820		365	2,230	30.1
ARA	2,088						
CFA	6,118			181	3,069	3,250	53.1
CPP	46,100			43,130	773	43,903	95.2
NRF	38,123	21,000	14,000		664	35,664	93.5
PBF	345			59		59	17.1
TAN	3,487		853	1,900	443	3,196	91.7
TRA	78,520	31,050	30,290	16,520	654	78,514	100.0
GRAND TOTALS	182,190	52,095	46,963	61,790	5,968	166,816	91.6

SCHED. NO. INF6161-B

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

INEL YEAR-TO-DATE WATER USAGE SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VOLUMES = NEAREST THOUSAND GALLONS)

AREA OF ORIGIN	YEARLY VOLUME PUMPED	YEARLY VOLUME DISPOSED					ACCOUNTA-BILITY (%)
		AIR	SURFACE	SUBSURFACE	SEWAGE	TOTAL	
ANL	112,379	343	31,464	60	2,983	34,850	31.0
ARA	28,370						
CFA	127,116			2,228	29,352	31,580	24.8
CPP	414,670			384,620	10,324	394,944	95.2
NRF	838,937	460,330	313,600		13,813	787,743	93.9
PBF	8,844	20		855		875	9.9
TAN	52,283		11,567	26,953	5,318	43,838	83.8
TRA	1,295,892	321,100	509,410	368,700	8,238	1,207,448	93.2
GRAND TOTALS	2,878,491	781,793	866,041	783,416	70,028	2,501,278	86.9

INEL INDUSTRIAL WASTE SUMMARY
DECEMBER 1974

AREA OF ORIGIN / TYPE OF WASTE		MONTHLY VOLUME OR WEIGHT	UNITS	YEAR-TO-DATE VOLUME OR WEIGHT	UNITS
ANL					
DISPOSED WASTE					
1 - TRASH	SOLID	120.0	CU. YD.	4,340.0	CU. YD.
2 - CAFETERIA GARBAGE	SOLID	24.0	CU. YD.	196.0	CU. YD.
3 - WOOD AND SCRAP LUMBER	SOLID			143.0	CU. YD.
4 - MASONRY AND CONCRETE	SOLID			12.0	CU. YD.
5 - SCRAP METAL	SOLID			8.0	CU. YD.
8 - CHEMICALS	SOLID			590.0	POUNDS
STORED WASTE					
6 - OIL	LIQUID			110.0	GALLONS
CFA					
DISPOSED WASTE					
1 - TRASH	SOLID	229.0	CU. YD.	4,970.0	CU. YD.
2 - CAFETERIA GARBAGE	SOLID	74.0	CU. YD.	395.0	CU. YD.
3 - WOOD AND SCRAP LUMBER	SOLID	12.0	CU. YD.	162.0	CU. YD.
4 - MASONRY AND CONCRETE	SOLID	24.0	CU. YD.	150.0	CU. YD.
5 - SCRAP METAL	SOLID	9.0	CU. YD.	9.0	CU. YD.
8 - CHEMICALS	SOLID			2,988.0	POUNDS
9 - OTHER	SOLID			108.0	CU. FT.
CPP					
DISPOSED WASTE					
1 - TRASH	SOLID	180.0	CU. YD.	3,771.0	CU. YD.
2 - CAFETERIA GARBAGE	SOLID	48.0	CU. YD.	456.0	CU. YD.
4 - MASONRY AND CONCRETE	SOLID			14.0	CU. YD.
5 - SCRAP METAL	SOLID			4.0	CU. YD.
NRF					
DISPOSED WASTE					
1 - TRASH	SOLID	350.0	CU. YD.	9,211.0	CU. YD.
2 - CAFETERIA GARBAGE	SOLID	122.0	CU. YD.	1,116.0	CU. YD.
3 - WOOD AND SCRAP LUMBER	SOLID	10.7	CU. YD.	268.3	CU. YD.
4 - MASONRY AND CONCRETE	SOLID	3.2	CU. YD.	216.8	CU. YD.
5 - SCRAP METAL	SOLID	36.0	CU. YD.	98.4	CU. YD.
6 - OIL	LIQUID			7,718.0	GALLONS
7 - SOLVENTS	LIQUID			70.0	GALLONS
8 - CHEMICALS	LIQUID			120.0	GALLONS
8 - CHEMICALS	SOLID			50.0	POUNDS
9 - OTHER	SOLID	270.0	CU. FT.	3,539.0	CU. FT.
STORED WASTE					
6 - OIL	LIQUID			12,615.0	GALLONS

INEL INDUSTRIAL WASTE SUMMARY
DECEMBER 1974

AREA OF ORIGIN / TYPE OF WASTE		MONTHLY VOLUME OR WEIGHT	UNITS	YEAR-TO-DATE VOLUME OR WEIGHT	UNITS
PBF					
DISPOSED WASTE					
4 - MASONRY AND CONCRETE	SOLID			4.0	CU. YD.
8 - CHEMICALS	LIQUID			75.0	GALLONS
TAN					
DISPOSED WASTE					
1 - TRASH	SOLID	218.0	CU. YD.	4,078.0	CU. YD.
4 - MASONRY AND CONCRETE	SOLID			96.0	CU. YD.
5 - SCRAP METAL	SOLID	12.0	CU. YD.	25.0	CU. YD.
6 - OIL	LIQUID			150.0	GALLONS
TRA					
DISPOSED WASTE					
1 - TRASH	SOLID	210.0	CU. YD.	4,890.5	CU. YD.
2 - CAFETERIA GARBAGE	SOLID	18.0	CU. YD.	170.0	CU. YD.
3 - WOOD AND SCRAP LUMBER	SOLID	8.0	CU. YD.	38.0	CU. YD.
4 - MASONRY AND CONCRETE	SOLID			24.0	CU. YD.
5 - SCRAP METAL	SOLID			8.0	CU. YD.
8 - CHEMICALS	LIQUID			150.0	GALLONS
8 - CHEMICALS	SOLID			38,768.0	POUNDS
INEL GRAND TOTALS					
DISPOSED WASTE					
1 - TRASH	SOLID	1,307.0	CU. YD.	31,260.5	CU. YD.
2 - CAFETERIA GARBAGE	SOLID	286.0	CU. YD.	2,333.0	CU. YD.
3 - WOOD AND SCRAP LUMBER	SOLID	30.7	CU. YD.	611.3	CU. YD.
4 - MASONRY AND CONCRETE	SOLID	27.2	CU. YD.	516.8	CU. YD.
5 - SCRAP METAL	SOLID	57.0	CU. YD.	152.4	CU. YD.
6 - OIL	LIQUID			7,868.0	GALLONS
7 - SOLVENTS	LIQUID			70.0	GALLONS
8 - CHEMICALS	LIQUID			345.0	GALLONS
8 - CHEMICALS	SOLID			42,396.0	POUNDS
9 - OTHER	SOLID	270.0	CU. FT.	3,647.0	CU. FT.
STORED WASTE					
6 - OIL	LIQUID			12,725.0	GALLONS

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

INEL AIRBORNE AND LIQUID DISPOSED SUBSTANCES SUMMARY
DECEMBER 1974

ALL FACILITIES	MONTHLY				YEAR-TO-DATE			
SUBSTANCES	ATMOSPHERE (POUNDS)	SURFACE (POUNDS)	SUBSURFACE (POUNDS)	TOTAL (POUNDS)	ATMOSPHERE (POUNDS)	SURFACE (POUNDS)	SUBSURFACE (POUNDS)	TOTAL (POUNDS)
AUTO CLEANERS			384	384			6,464	6,464
BETZ DE 419							3,182	3,182
BETZ DE 453							250	250
BETZ DE 481							763	763
BETZ DIANODIC 194							170	170
BETZ NEUTRMEEN		20		20		306		306
BETZ 109			1	1			1	1
BETZ 194							100	100
BETZ 406							156	156
BETZ 65							1,200	1,200
BLEACH			14	14			729	729
CALCIUM ION		10	6	16		109	135	244
CHLORIDE ION		14,583	49,380	63,963		253,626	394,805	648,431
DIANODIC 194		300		300		4,800	200	5,000
DISPERSANT 403						10,152		10,152
HEXAVALENT CR	2	9		12	18	46		64
HYPOCHLORITE		48	104	152		728	1,773	2,501
KWIK KLEEN			100	100			1,125	1,125
LAUNDRY PRODUCTS			50	50			678	678
NITRATE ION			43	43			66,934	66,934
NITROGEN DIOXIDE					699,390			699,390
OROCOL 734		2,325		2,325		70,115		70,115

ALL FACILITIES	MONTHLY				YEAR-TO-DATE			
SUBSTANCES	ATMOSPHERE (POUNDS)	SURFACE (POUNDS)	SUBSURFACE (POUNDS)	TOTAL (POUNDS)	ATMOSPHERE (POUNDS)	SURFACE (POUNDS)	SUBSURFACE (POUNDS)	TOTAL (POUNDS)
PHOSPHATE ION		914	338	1,251		28,374	3,593	31,967
PHOTC LAB CHEMICAL		320		320		2,240		2,240
POLYNODIC 606			6,050	6,050			47,700	47,700
SKAZOL		80		80		960		960
SLIMICIDE A-9		440		440		7,480	153	7,633
SLIMICIDE C-35		168		168		2,016		2,016
SLIMICIDE D-2						2,944		2,944
SLIMICIDE J-12		348		348		4,188	40	4,228
SLIMICIDE J-9		240	375	615		3,840	6,063	9,903
SOAP			300	300			9,676	9,676
SODIUM ION		31,120	40,582	71,701		387,071	183,538	570,609
SULFATE ION		142,325	60,465	202,790		2,441,673	605,835	3,047,508
SULFITE ION		48	36	85		1,225	358	1,583
SULFUR DIOXIDE		398		398		5,112	347	5,459
TDS		172,569	274,558	447,127		2,640,777	2,850,737	5,491,514
TOTAL HARDNESS			52,980	52,980			1,026,622	1,026,622

SCHED. NO. INF6164-A

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

INEL MONTHLY FUEL OIL SUMMARY
DECEMBER 1974

AREA OF ORIGIN	FUEL OIL IN GALLONS					POUNDS DISCHARGED		
	TYPE 2	TYPE 5	TYPE 6	KEROSENE	DIESEL	SO2	NOX	PARTICULATES
ANL	87,850					4,282		394
ARA	2,945					78		
CFA	119,000					3,164		
CPP	188,000					4,998		
NRF		224,500				129,797	6,061	4,019
PBF	3,161					84		
TAN		92,340				22,690		3,832
TRA		128,700			35,780	32,575		5,341
GRAND TOTALS	400,956	445,540			35,780	197,668	6,061	13,586

SCHED. NO. INF6164-B

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

INEL YEAR-TO-DATE FUEL OIL SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

AREA OF ORIGIN	FUEL OIL IN GALLONS					POUNDS DISCHARGED		
	TYPE 2	TYPE 5	TYPE 6	KEROSENE	DIESEL	SO2	NOX	PARTICULATES
ANL	770,330					36,755		3,460
ARA	6,980	27,781				7,012		1,153
CFA	183,107	407,140				104,910		16,896
CPP	1,888,200			51,563		50,200		
NRF		1,609,010				523,360	43,443	28,802
PBF	9,111	12,264				3,256		509
TAN		845,470			700	207,767		35,089
TRA		1,154,760			391,450	294,152		47,923
GRAND TOTALS	2,857,728	4,056,425		51,563	392,150	1,227,412	43,443	133,832

TRA AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION SUBSTANCE	JAN JUL	FEB AUG	MAR SEP	APR OCT	MAY NOV	JUN DEC	ANNUAL TOT & AVE
COOLING TOWERS EVAP							
VOLUME (CU.FT. IN 1000)	4,625	2,762	1,652	3,243	4,740	4,318	
	3,609	3,978	1,829	3,613	3,429	4,014	41,812
STEAM LOSS (WATER)							
VOLUME (CU.FT. IN 1000)	99	138	150	106	94	43	
	34	44	54	84	134	137	1,117

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

TRA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
BETZ DE 419													
WEIGHT (POUNDS)		152	915	2,115									3,182
BETZ DE 453													
WEIGHT (POUNDS)				250									250
BETZ DE 481													
WEIGHT (POUNDS)	763												763
BETZ 65													
WEIGHT (POUNDS)											1,200		1,200
HYPOCHLORITE													
WEIGHT (POUNDS)	207	57	54	70	125	62	46	104	50	51	56	50	932
PHOSPHATE ION													
WEIGHT (POUNDS)	273	53	206	227	250	314	230	571	288	581	120	304	3,417
POLYNODIC 6C6													
WEIGHT (POUNDS)	4,950	550	1,500	550	5,500	8,250	6,050	5,500	2,200	3,850	2,750	6,050	47,700
SLIMICIDE J-9													
WEIGHT (POUNDS)	688	750	750	300	450	500	625	625	375	375	250	375	6,063
SODIUM ION													
WEIGHT (POUNDS)	10,097	110	15,536	11,565	13,453	7,817	9,671	14,763	13,144	13,334	11,756	8,215	129,461
SULFATE ION													
WEIGHT (POUNDS)	149,474	129,013	156,101	162,935	179,069	127,260	143,561	214,254	156,425	153,928	182,153	144,902	1,899,075
SULFITE ION													
WEIGHT (POUNDS)	6	3	6	3	4	2	6	3	7	7	3	4	54
TDS													
WEIGHT (POUNDS)	129,727	85,008	166,308	191,552	127,819	193,288	261,684	321,143	244,340	200,303	129,769	145,758	2,196,699
TOTAL HARDNESS													
WEIGHT (POUNDS)	76,605	60,861	100,318	89,504	94,763	117,066	93,415	110,269	91,229	98,241	41,371	52,980	1,026,622

TRA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
CHEMICAL WASTE POND SURFACE													
VOLUME (GAL. IN 1000)	2,233	2,585	3,109	2,516	2,939	1,844	2,875	3,403	2,914	2,403	2,623	1,911	31,355
HYDROGEN-ION CONC. (PH)													
PHOSPHATE ION													
CONCENTRATION (PPM)	.21	.16	.11		.08	.10	.10	.06					.07
WEIGHT (POUNDS)	4	3	3		2	1	2	2					17
SODIUM ION													
CONCENTRATION (PPM)	541.86	5.09	598.81	550.80	548.50	507.96	403.09	519.85	540.29	664.65	536.92	514.87	494.69
WEIGHT (POUNDS)	10,097	110	15,536	11,565	13,453	7,817	9,671	14,763	13,139	13,328	11,753	8,211	129,443
SULFATE ION													
CONCENTRATION (PPM)	5202.64	4282.26	5592.08	5604.54	5420.58	4985.80	4251.83	5274.43	5543.58	5736.27	6552.17	6230.91	5,374.06
WEIGHT (POUNDS)	96,950	92,378	145,088	117,676	132,948	76,724	102,012	149,787	134,808	115,032	143,423	99,368	1,406,194
SULFITE ION													
CONCENTRATION (PPM)	.31	.15	.22	.14	.15	.16	.24	.11					.12
WEIGHT (POUNDS)	6	3	6	3	4	2	6	3					33
DESERT SURFACE													
VOLUME (GAL. IN 1000)	26,970	38,360	36,120	44,170	52,790	39,760	42,460	55,940	37,090	43,060	32,960	28,380	478,060
HYDROGEN-ION CONC. (PH)													
TDS													
CONCENTRATION (PPM)							268.00	276.00	275.00	241.00	235.00	212.00	127.70
WEIGHT (POUNDS)							94,789	128,610	84,964	86,444	64,521	50,118	509,446
DISPOSAL WELL SUBSURFACE													
VOLUME (GAL. IN 1000)	27,370	29,580	40,010	40,700	33,070	31,230	34,190	35,020	26,390	30,240	28,380	16,520	372,700
HYDROGEN-ION CONC. (PH)	8.2	8.3	7.6	8.0	8.0	7.5	7.9	7.8		8.0	7.8	7.8	7.9
BETZ DE 419													
CONCENTRATION (PPM)		.62	2.74	6.23									1.02
WEIGHT (POUNDS)		152	915	2,115									3,182
BETZ DE 453													
CONCENTRATION (PPM)				.74									.08
WEIGHT (POUNDS)				250									250
BETZ DE 481													
CONCENTRATION (PPM)	3.34												.25
WEIGHT (POUNDS)	763												763

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

TRA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
BETZ 65													
CONCENTRATION (PPM)											5.07		.39
WEIGHT (POUNDS)											1,200		1,200
HYPOCHLORITE													
CONCENTRATION (PPM)	.70	.06	.04	.09	.31	.10	.04	.22	.06	.08	.07	.21	.16
WEIGHT (POUNDS)	159	16	13	32	85	25	10	65	14	20	17	28	484
PHOSPHATE ION													
CONCENTRATION (PPM)	1.18	.20	.61	.67	.90	1.20	.80	1.95	1.31	2.31	.51	2.21	1.09
WEIGHT (POUNDS)	269	49	203	227	248	312	228	569	288	581	120	304	3,398
POLYNODIC 606													
CONCENTRATION (PPM)	21.67	2.23	4.49	1.62	19.93	31.66	21.20	18.82	9.99	15.26	11.61	43.88	15.34
WEIGHT (POUNDS)	4,950	550	1,500	550	5,500	8,250	6,050	5,500	2,200	3,850	2,750	6,050	47,700
SLIMICIDE J-9													
CONCENTRATION (PPM)	3.01	3.04	2.25	.88	1.63	1.92	2.19	2.14	1.70	1.49	1.06	2.72	1.95
WEIGHT (POUNDS)	688	750	750	300	450	500	625	625	375	375	250	375	6,063
SODIUM ION													
CONCENTRATION (PPM)									.03	.02	.02	.03	.01
WEIGHT (POUNDS)									6	5	3	4	18
SULFATE ION													
CONCENTRATION (PPM)	229.95	148.41	32.99	133.25	167.12	193.91	145.62	220.59	98.15	154.13	163.53	330.28	158.47
WEIGHT (POUNDS)	52,523	36,634	11,014	45,259	46,121	50,536	41,549	64,467	21,616	38,896	38,729	45,533	492,877
SULFITE ION													
CONCENTRATION (PPM)									.03	.03	.01	.03	.01
WEIGHT (POUNDS)									7	7	3	4	21
TDS													
CONCENTRATION (PPM)	569.00	345.00	499.00	565.00	464.00	743.00	586.00	660.00	725.00	452.00	276.00	695.00	542.48
WEIGHT (POUNDS)	129,727	85,008	166,308	191,552	127,819	193,288	166,894	192,533	159,376	113,858	65,248	95,640	1,687,251
TOTAL HARDNESS													
CONCENTRATION (PPM)	336.00	247.00	301.00	264.00	344.00	450.00	328.00	378.00	415.00	390.00	175.00	385.00	330.08
WEIGHT (POUNDS)	76,605	60,861	100,318	89,504	94,763	117,066	93,415	110,269	91,229	98,241	41,371	52,980	1,026,622
SEWAGE PLANT SURFACE													
VOLUME (GAL. IN 1000)	690	653	648	766	733	672	848	718	674	605	577	654	8,238
HYDROGEN-ION CONC. (PH)	7.8	7.8	7.8	7.8	7.8	7.4	7.7	7.7	7.8	7.7	7.6	7.6	7.7

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

TRA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
HYPOCHLORITE													
CONCENTRATION (PPM)	8.32	7.59	7.52	5.96	6.53	6.47	5.13	6.66	6.45	6.27	7.99	3.99	6.52
WEIGHT (POUNDS)	48	41	41	38	40	36	36	40	36	32	38	22	448

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

SCHED. NO. INF6162-B

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

TRA INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

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 ACID PIT													
DISPOSED WASTE													
8 K LIQUID SULFURIC ACID										150.0			150.0
CFA LANDFILL													
DISPOSED WASTE													
1 Y SOLID	480.5	460.0	560.0	620.0	240.0	538.0	516.0	410.0	330.0	221.0	305.0	210.0	4,890.5
2 Y SOLID	32.0	12.0	16.0	16.0	8.0	8.0	12.0	8.0	8.0	12.0	20.0	18.0	170.0
3 Y SOLID	12.0		8.0				4.0			6.0		8.0	38.0
4 Y SOLID	4.0	4.0	8.0					8.0					24.0
5 Y SOLID								8.0					8.0
8 P SOLID RESIN							29,076.0	9,692.0					38,768.0
GRAND TOTALS													
DISPOSED WASTE													
1 Y SOLID	480.5	460.0	560.0	620.0	240.0	538.0	516.0	410.0	330.0	221.0	305.0	210.0	4,890.5
2 Y SOLID	32.0	12.0	16.0	16.0	8.0	8.0	12.0	8.0	8.0	12.0	20.0	18.0	170.0
3 Y SOLID	12.0		8.0				4.0			6.0		8.0	38.0
4 Y SOLID	4.0	4.0	8.0					8.0					24.0
5 Y SOLID								8.0					8.0
8 K LIQUID										150.0			150.0
8 P SOLID							29,076.0	9,692.0					38,768.0

TRA WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VOLUMES = NEAREST THOUSAND GALLONS)

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 (GAL)		52,040	14,950	82,820	91,760	91,380	108,500	112,900	26,650	69,780	26		650,806
3 WATER PUMPED (GAL)	54	114	112	8				327		6,270	31		6,916
4 WATER PUMPED (GAL)	88,550	50,770	82,350	30,380	44,180	19,740	20,930	29,510	65,620	32,090	95,530	78,520	638,170
TOTAL WATER PUMPED (GAL)	88,604	102,924	97,412	113,208	135,940	111,120	129,430	142,737	92,270	108,140	95,587	78,520	1,295,892
WATER DISPOSAL													
AIR (GAL)	35,340	21,680	13,470	25,040	36,160	32,620	27,250	30,090	14,080	27,670	26,650	31,050	321,100
SURFACE (GAL)	29,200	40,940	39,230	46,690	55,720	41,610	45,340	59,340	40,000	45,470	35,580	30,290	509,410
SUBSURFACE (GAL)	23,370	29,580	40,010	40,700	33,070	31,230	34,190	35,020	26,390	30,240	28,380	16,520	368,700
SEWAGE DATA													
BUILD VOLUME (GAL)	690	653	648	766	733	672	848	718	674	605	577	654	8,238
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (PPM)	57.4	46.3	56.2	39.1	22.9	33.2	30.8	45.8	29.1	28.9	42.0	51.7	40.3
FINAL CONC. (PPM)	16.7	14.8	18.4	16.9	8.6	4.6	13.6	9.4	7.3	7.9	14.2	9.8	11.9
% REMOVED	70.9	68.0	67.3	56.8	62.4	86.1	55.8	79.5	74.9	72.7	66.2	81.0	70.5
DISSOLVED OXYGEN (DO)													
RAW CONC. (PPM)	.8	.2	.2	.2	3.6	3.9	.1	.2	.3	.5	1.4	.7	1.0
FINAL CONC. (PPM)	5.7	5.7	3.9	3.9	5.8	6.2	5.0	5.6	6.8	4.2	5.5	4.9	5.3
INCREASED FACTOR	6.1	27.5	18.5	18.5	.6	.6	49.0	27.0	21.7	7.4	2.9	6.0	4.3
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	.4	.4	.4	.6	.6	.7	.7	1.0	.3	.3	.6	.7	.6
FINAL CONC. (ML/L)	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05
% REMOVED	87.5	87.5	87.5	91.7	91.7	92.9	92.9	95.0	83.3	83.3	91.7	92.9	91.7
PH-FINAL	7.8	7.8	7.8	7.8	7.8	7.4	7.7	7.6	7.8	7.6	7.7	7.8	7.7
TOTAL SEWAGE VOL. (GAL)	690	653	648	766	733	672	848	718	674	605	577	654	8,238
TOTAL WATER DISPOSED (GAL)	88,600	92,853	93,358	113,196	125,683	106,132	107,628	125,168	81,144	103,985	91,187	78,514	1,207,448
ACCOUNTABILITY (%)	100.0	90.2	95.8	100.0	92.5	95.5	83.2	87.7	87.9	96.2	95.4	100.0	93.2

SCHED. NO. INF6164-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

TRA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DIESEL													
VOLUME (GAL)	40	36	30	31	40	30	39		27	36	46	36	391
SO2 (LBS)	1	1	1	1	1	1	1		1	1	1	1	11
NOX (LBS)													
PARTICULATES (LBS)													
TYPE 5													
VOLUME (GAL)	157	155	130	106	91	44	36	36	62	80	129	129	1,155
SO2 (LBS)	39	38	32	26	22	11	9	9	15	20	32	32	285
NOX (LBS)													
PARTICULATES (LBS)	7	6	5	4	4	2	2	2	3	3	5	5	48
GRAND TOTALS													
SO2 (LBS)	40	39	33	27	23	12	10	9	16	21	33	33	296
NOX (LBS)													
PARTICULATES (LBS)	7	6	5	4	4	2	2	2	3	3	5	5	48

PBF AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION SUBSTANCE	JAN JUL	FEB AUG	MAR SEP	APR OCT	MAY NOV	JUN DEC	ANNUAL TOT & AVE
COOLING TOWER							
VOLUME (CU.FT. IN 1000)	0	0	0	0	0	0	
	3	0	0	0	0	0	3

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

SCHED. NO. INF6166-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

PBF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
BETZ DIANODIC 194 WEIGHT (POUNDS)									100		70		170
BETZ 1C9 WEIGHT (POUNDS)												1	1
BETZ 194 WEIGHT (POUNDS)						50	50						100
BETZ 4C6 WEIGHT (POUNDS)		33	33			17	17		33		23		156
DIANODIC 194 WEIGHT (POUNDS)		100	100										200
PHOSPHATE ION WEIGHT (POUNDS)													
SLIMICIDE A-9 WEIGHT (POUNDS)							75				78		153
SLIMICIDE J-12 WEIGHT (POUNDS)									40				40
SODIUM ION WEIGHT (POUNDS)	72	52	72	1	144			72	216	216	72	287	1,204
SULFATE ION WEIGHT (POUNDS)	176	259	201		352	10	15	176	264	284	88	352	2,177
SULFITE ION WEIGHT (POUNDS)			1	2									3
SULFUR DIOXIDE WEIGHT (POUNDS)	270		10								67		347

PBF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
CHEM DISPOSAL WELL SUBSURFACE													
VOLUME (GAL. IN 1000)	106	6	22	13	12	3	6	10	20	15	85	16	314
HYDROGEN-ION CONC. (PH)													
BETZ DIANODIC 194													
CONCENTRATION (PPM)									599.15		98.68		64.90
WEIGHT (POUNDS)									100		70		170
BETZ 109													
CONCENTRATION (PPM)												8.26	.42
WEIGHT (POUNDS)												1	1
BETZ 194													
CONCENTRATION (PPM)						1997.16	998.58						38.18
WEIGHT (POUNDS)						50	50						100
BETZ 406													
CONCENTRATION (PPM)		659.06	179.74			679.03	339.52		197.72		32.42		59.56
WEIGHT (POUNDS)		33	33			17	17		33		23		156
DIANODIC 194													
CONCENTRATION (PPM)		1997.16	544.68										76.36
WEIGHT (POUNDS)		100	100										200
SLIMICIDE A-9													
CONCENTRATION (PPM)							1497.87				109.96		58.41
WEIGHT (POUNDS)							75				78		153
SLIMICIDE J-12													
CONCENTRATION (PPM)									239.66				15.27
WEIGHT (POUNDS)									40				40
SODIUM ION													
CONCENTRATION (PPM)	81.25	1033.53	391.49		1435.66			861.27	1291.91	1722.55	101.33	2153.18	458.82
WEIGHT (POUNDS)	72	52	72		144			72	216	216	72	287	1,203
SULFATE ION													
CONCENTRATION (PPM)	199.21	5181.32	1093.14		3519.39	391.04	293.28	2111.63	1583.72	2268.05	124.21	2639.54	831.65
WEIGHT (POUNDS)	176	259	201		352	10	15	176	264	284	88	352	2,177
SULFUR DIOXIDE													
CONCENTRATION (PPM)	305.23		54.47								94.45		132.48
WEIGHT (POUNDS)	270		10								67		347

820#

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
WARM WASTE WELL SUBSURFACE													
VOLUME (GAL. IN 1000)	44	30	35	52	45	30	39	38	47	46	93	43	542
HYDROGEN-ION CONC. (PH)													
PHOSPHATE ION													
CONCENTRATION (PPM)			.19		.11								.02
WEIGHT (POUNDS)													
SODIUM ION													
CONCENTRATION (PPM)			1.50	2.80	.08								.37
WEIGHT (POUNDS)				1									1
SULFITE ION													
CONCENTRATION (PPM)			2.37	4.86									.62
WEIGHT (POUNDS)			1	2									3

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

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 ACID PIT													
DISPOSED WASTE													
8 K LIQUID SULFURIC ACID						75.0							75.0
CFA LANDFILL													
DISPOSED WASTE													
4 Y SOLID									4.0				4.0
GRAND TOTALS													
DISPOSED WASTE													
4 Y SOLID									4.0				4.0
8 K LIQUID						75.0							75.0

SCHED. NO. INF6161-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

PBF WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

PG 1 RPT 137-I
PBF

(ALL VOLUMES = NEAREST THOUSAND GALLONS)

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 (GAL)	423	367	486	171	320	282	195	874	164	418	354	345	4,399
2 WATER PUMPED (GAL)	313	332	155	277	189	378	1,058	498	182	1,000	63		4,445
TOTAL WATER PUMPED (GAL)	736	699	641	448	509	660	1,253	1,372	346	1,418	417	345	8,844
WATER DISPOSAL													
AIR (GAL)							20						20
SURFACE (GAL)													
SUBSURFACE (GAL)	150	36	57	64	57	33	45	48	67	61	178	59	855
SEWAGE DATA													
TOTAL SEWAGE VOL. (GAL)													
TOTAL WATER DISPOSED (GAL)	150	36	57	64	57	33	65	48	67	61	178	59	875
ACCOUNTABILITY (%)	20.4	5.2	8.9	14.3	11.2	5.0	5.2	3.5	19.4	4.3	42.7	17.1	9.9

SCHED. NO. INF6164-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

PBF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VALLES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TYPE 2													
VOLUME (GAL)									4	1	1	3	9
SO2 (LBS)													
NOX (LBS)													
PARTICLLATES (LBS)													
TYPE 5													
VOLUME (GAL)	2	2	3	5									12
SO2 (LBS)	1	1	1	1									4
NOX (LBS)													
PARTICULATES (LBS)													
GRAND TOTALS													
SO2 (LBS)	1	1	1	1									4
NOX (LBS)													
PARTICLLATES (LBS)													

SCHED. NO. INF6161-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

ARA WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VOLUMES = NEAREST THOUSAND GALLONS)

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 (GAL)	582	224	242	339	549	765	742	918	637	796	1,115	86	6,995
3 WATER PUMPED (GAL)	1,659	1,409	1,706	1,803	2,149	2,227	1,158	1,522	1,730	1,983	2,027	2,002	21,375
TOTAL WATER PUMPED (GAL)	2,241	1,633	1,948	2,142	2,698	2,992	1,900	2,440	2,367	2,779	3,142	2,088	28,370
WATER DISPOSAL													
AIR (GAL)													
SURFACE (GAL)													
SUBSURFACE (GAL)													
SEWAGE DATA													
TOTAL SEWAGE VOL. (GAL)													
TOTAL WATER DISPOSED (GAL)													
ACCOUNTABILITY (%)													

SCHED. NO. INF6164-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

ARA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TYPE 2													
VOLUME (GAL)									1	1	3	3	8
SO2 (LBS)													
NOX (LBS)													
PARTICULATES (LBS)													
TYPE 5													
VOLUME (GAL)	5	4	9	7	3								28
SO2 (LBS)	1	1	2	2	1								7
NOX (LBS)													
PARTICULATES (LBS)													
GRAND TOTALS													
SO2 (LBS)	1	1	2	2	1								7
NOX (LBS)													
PARTICULATES (LBS)													

SCHED. NO. INF6166-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

TAN LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CALCIUM ION WEIGHT (POUNDS)	10	10	8	10	12	9	9	11	10		9	10	108
CHLORIDE ION WEIGHT (POUNDS)	971	1,153	637	637	728	1,214	860	1,007	455	2,853	2,671	3,459	16,645
HYPOCHLORITE WEIGHT (POUNDS)	24	24	22	27	31	24	23	28	27		24	26	280
PHOSPHATE ION WEIGHT (POUNDS)	33	34	46	20	5	7	15	50	201	31	63	84	589
SODIUM ION WEIGHT (POUNDS)	733	820	546	532	479	824	769	935	674	2,388	2,716	2,842	14,258
SULFATE ION WEIGHT (POUNDS)	122			117		53	2,426	507	1,191	1,285	994	779	7,474
SULFITE ION WEIGHT (POUNDS)	90	86	63	57	6	19	197	127	190	79	508	79	1,501

TAN LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
DISPOSAL POND SURFACE													
VOLUME (GAL. IN 1000)	1,210	1,290	1,987	1,826	2,540	2,139	753	1,500	993	758	594	1,296	16,886
HYDROGEN-ION CONC. (PH)	7.8	7.8	7.9	7.7	7.5	7.7	7.5	6.8	7.7				7.6
CALCIUM ION													
CONCENTRATION (PPM)	.94	.88	.51	.68	.56	.52	1.45	.88	1.26		1.88	.93	.77
WEIGHT (POUNDS)	10	10	8	10	12	9	9	11	10		9	10	108
CHLORIDE ION													
CONCENTRATION (PPM)	90.17	107.13	34.78	37.84	28.64	68.01	135.14	48.49		191.97	244.90	151.48	74.94
WEIGHT (POUNDS)	910	1,153	577	577	607	1,214	850	607		1,214	1,214	1,638	10,561
HYPOCHLORITE													
CONCENTRATION (PPM)	2.42	2.27	1.30	1.76	1.44	1.34	3.73	2.26	3.23		4.83	2.39	1.99
WEIGHT (POUNDS)	24	24	22	27	31	24	23	28	27		24	26	280
PHOSPHATE ION													
CONCENTRATION (PPM)	1.01	1.16	2.02	.66	.24	.42	1.99	3.99	16.14	2.96	10.12	4.64	2.80
WEIGHT (POUNDS)	10	12	33	10	5	7	12	50	134	19	50	50	392
SODIUM ION													
CONCENTRATION (PPM)	63.78	71.90	28.93	30.90	18.88	46.16	109.86	47.02	23.57	148.95	241.88	131.38	61.23
WEIGHT (POUNDS)	644	774	480	471	400	824	691	589	195	942	1,199	1,421	8,630
SULFATE ION													
CONCENTRATION (PPM)	12.12			7.71		2.96	16.82	15.64	25.64	61.92	31.99	19.55	11.13
WEIGHT (POUNDS)	122			117		53	106	196	212	392	159	211	1,568
SULFITE ION													
CONCENTRATION (PPM)	3.14	2.95	1.91	2.08	.30	1.07	30.30	10.15	15.33	7.53	96.08	4.40	8.29
WEIGHT (POUNDS)	32	32	32	32	6	19	190	127	127	48	476	48	1,169
LOFT DISPOSAL WELL SUBSURFACE													
VOLUME (GAL. IN 1000)	2,099	222	910	1,648	678	695	1,243	1,341	1,255	1,546	1,522	844	14,003
HYDROGEN-ION CONC. (PH)													
CHLORIDE ION													
CONCENTRATION (PPM)							1.02	35.79	43.45	56.46	66.91	172.26	31.30
WEIGHT (POUNDS)							11	400	455	728	850	1,214	3,658
PHOSPHATE ION													
CONCENTRATION (PPM)	.44	5.38	.66	.45			.24			.48	.49	2.37	.52
WEIGHT (POUNDS)	8	10	5	6			2			6	6	17	60

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

TAN LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
SODIUM ION													
CONCENTRATION (PPM)	.97	11.78	1.44	.99			7.50	30.97	39.14	63.13	86.95	139.37	32.50
WEIGHT (POUNDS)	17	22	11	14			78	347	410	814	1,104	982	3,799
SULFATE ION													
CONCENTRATION (PPM)							223.68	27.82	93.48	61.65	58.04	66.70	48.03
WEIGHT (POUNDS)							2,320	311	979	795	737	470	5,612
SULFITE ION													
CONCENTRATION (PPM)	1.12	13.69	1.67	1.15			.61			1.23	1.25	2.25	1.09
WEIGHT (POUNDS)	20	25	13	16			6			16	16	16	128
LPT DISPOSAL WELL SUBSURFACE													
VOLUME (GAL. IN 1000)	1,000	1,000	1,181	1,105	1,329	896	684	6,835	1,644	1,067	1,305	1,056	19,102
HYDROGEN-ION CONC. (PH)													
CHLORIDE ION													
CONCENTRATION (PPM)	7.27		6.16	6.58	10.95					102.25	55.74	68.86	15.23
WEIGHT (POUNDS)	61		61	61	121					910	607	607	2,428
PHOSPHATE ION													
CONCENTRATION (PPM)	1.80	1.35	.76	.41					4.88	.70	.57	1.90	.84
WEIGHT (POUNDS)	15	11	7	4					67	6	6	17	133
SODIUM ION													
CONCENTRATION (PPM)	8.63	2.95	5.65	5.15	7.09				5.02	70.96	37.88	49.84	11.49
WEIGHT (POUNDS)	72	25	56	47	79				69	632	412	439	1,831
SULFATE ION													
CONCENTRATION (PPM)										10.99	8.99	11.11	1.84
WEIGHT (POUNDS)										98	98	98	294
SULFITE ION													
CONCENTRATION (PPM)	4.57	3.42	1.93	1.03					4.63	1.78	1.46	1.80	1.29
WEIGHT (POUNDS)	38	29	19	10					63	16	16	16	207

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

SCHED. NO. INF6162-8

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

TAN INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

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 Y SOLID	512.0	420.0	380.0	580.0	470.0		464.0	216.0	273.0	364.0	181.0	218.0	4,078.0
4 Y SOLID	20.0	12.0	16.0	12.0			8.0	16.0	12.0				96.0
5 Y SOLID										13.0		12.0	25.0
TAN ROADS													
DISPOSED WASTE													
6 K LIQUID WASTE OIL				150.0									150.0
GRAND TOTALS													
DISPOSED WASTE													
1 Y SOLID	512.0	420.0	380.0	580.0	470.0		464.0	216.0	273.0	364.0	181.0	218.0	4,078.0
4 Y SOLID	20.0	12.0	16.0	12.0			8.0	16.0	12.0				96.0
5 Y SOLID										13.0		12.0	25.0
6 K LIQUID				150.0									150.0

SCHED. NO. INF6161-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

TAN WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VOLUMES = NEAREST THOUSAND GALLONS)

WELL OR BUILDING NO. / SEWAGE BUILDING NO.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS & AVERAGES
WATER DATA													
LO1 WATER PUMPED (GAL)	1,304	221	509	637	302	510	647	652	694	237	300	425	6,438
LO2 WATER PUMPED (GAL)	796	1	401	1,011	376	185	595	689	561	1,309	1,222	419	7,565
LPT WATER PUMPED (GAL)	1,000	1,000	1,181	1,105	1,329	896	684	684	1,644	1,068	1,305	1,056	12,952
TF1 WATER PUMPED (GAL)	633	700	999	865	1,336	1,116	1,138	1,564	1,107	1,906	2,375	1,585	15,324
TF2 WATER PUMPED (GAL)	577	591	988	961	1,203	1,023	1,400	1,645	1,114	330	170	2	10,004
TOTAL WATER PUMPED (GAL)	4,310	2,513	4,078	4,579	4,546	3,730	4,464	5,234	5,120	4,850	5,372	3,487	52,283
WATER DISPOSAL													
AIR (GAL)													
SURFACE (GAL)	829	942	1,692	1,448	1,627	1,768	347	1,062	616	264	119	853	11,567
SUBSURFACE (GAL)	3,099	1,222	2,090	2,753	2,006	1,591	1,927	2,025	2,899	2,614	2,827	1,900	26,953
SEWAGE DATA													
BUILD VOLUME (GAL)	381	348	296	377	912	370	407	438	377	494	475	443	5,318
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (PPM)	46.8	42.5	39.2	41.4	22.0	5.1	23.5	53.1	27.5	36.2	50.7	33.6	35.1
FINAL CONC. (PPM)	12.8	15.6	13.3	19.1	15.2	2.2	9.6	12.4	16.1	13.0	10.8	7.3	12.3
% REMOVED	72.6	63.3	66.1	53.9	30.9	56.9	59.1	76.6	41.5	64.1	78.7	78.3	65.0
DISSOLVED OXYGEN (DO)													
RAW CONC. (PPM)	2.9	1.1	2.0	1.4	4.4	5.9	.5	.7	.5	1.6	3.2	4.0	2.4
FINAL CONC. (PPM)	5.9	6.3	4.6	5.3	3.6	7.3	5.6	5.2	4.7	5.6	6.9	6.6	5.6
INCREASED FACTOR	1.0	4.7	1.3	2.8	-.2	.2	10.2	6.4	8.4	2.5	1.2	.7	1.3
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)		.3	.1	.1	3.3	.1	.1	.1	2.2				.8
FINAL CONC. (ML/L)	.05	.15	.06	.06	2.60	.05	.08	.05	.70	.05	.05	.05	.33
% REMOVED		50.0	40.0	40.0	21.2	50.0	20.0	50.0	68.2				
PH-FINAL	7.8	7.8	7.9	7.7	7.5	7.7	7.5	6.8	7.7	7.7	7.8	7.9	7.7
TOTAL SEWAGE VOL. (GAL)	381	348	296	377	912	370	407	438	377	494	475	443	5,318
TOTAL WATER DISPOSED (GAL)	4,309	2,512	4,078	4,578	4,545	3,729	2,681	3,525	3,892	3,372	3,421	3,196	43,838
ACCOUNTABILITY (%)	100.0	100.0	100.0	100.0	100.0	100.0	60.1	67.3	76.0	69.5	63.7	91.7	83.8

SCHED. NO. INF6164-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

TAN FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE / EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DIESEL													
VOLUME (GAL)										1			1
SO2 (LBS)													
NOX (LBS)													
PARTICULATES (LBS)													
TYPE 5													
VOLUME (GAL)	147	107	98	65	67	60	26	29	34	49	71	92	845
SO2 (LBS)	36	26	24	16	16	15	6	7	8	12	17	23	206
NOX (LBS)													
PARTICULATES (LBS)	6	4	4	3	3	2	1	1	1	2	3	4	34
GRAND TOTALS													
SO2 (LBS)	36	26	24	16	16	15	6	7	8	12	17	23	206
NOX (LBS)													
PARTICULATES (LBS)	6	4	4	3	3	2	1	1	1	2	3	4	34

SCHED. NO. INF6166-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

CFA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
AUTO CLEANERS WEIGHT (POUNDS)	360	760	720	640	760	360	360	1,040	360	360	360	384	6,464
BLEACH WEIGHT (POUNDS)	50	100	100	50	50	25	100	70	115	30	25	14	729
CHLORIDE ION WEIGHT (POUNDS)	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	14,568
HYPOCHLORITE WEIGHT (POUNDS)	96	83	91	110	59	78	73	80	91	65	54	62	942
KWIK KLEEN WEIGHT (POUNDS)	100	100	100	100	25	100	100	100	100	100	100	100	1,125
LAUNDRY PRODUCTS WEIGHT (POUNDS)		125		50	50	25	24	274	25	25	29	50	677
SOAP WEIGHT (POUNDS)	1,414	1,380	1,089	1,318	810	815	650	600	400	500	400	300	9,676
SODIUM ION WEIGHT (POUNDS)	786	786	786	786	786	786	786	786	786	786	786	786	9,432

CFA LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
SEWAGE PLANT SUBSURFACE													
VOLUME (GAL. IN 1000)	1,545	1,866	2,846	2,471	2,976	2,915	4,359	2,637	1,847	1,687	3,180	3,250	31,579
HYDROGEN-ION CONC. (PH)	7.3	7.3	7.4	7.2	7.4	7.2	7.2	7.2	7.7	7.7	7.7		7.4
AUTO CLEANERS													
CONCENTRATION (PPM)	27.92	48.81	30.32	31.04	30.60	14.80	9.90	47.26	23.36	25.57	13.57	14.16	24.53
WEIGHT (POUNDS)	360	760	720	640	760	360	360	1,040	360	360	360	384	6,464
BLEACH													
CONCENTRATION (PPM)	3.88	6.42	4.21	2.42	2.01	1.03	2.75	3.18	7.46	2.13	.94	.52	2.77
WEIGHT (POUNDS)	50	100	100	50	50	25	100	70	115	30	25	14	729
CHLORIDE ION													
CONCENTRATION (PPM)	94.13	77.93	51.10	58.85	48.87	49.89	33.36	55.15	78.74	86.20	45.73	44.75	55.26
WEIGHT (POUNDS)	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	1,214	14,568
HYPOCHLORITE													
CONCENTRATION (PPM)	7.43	5.31	3.85	5.31	2.40	3.22	1.99	3.63	5.88	4.64	2.05	2.27	3.57
WEIGHT (POUNDS)	96	83	91	110	59	78	73	80	91	65	54	62	942
KWIK KLEEN													
CONCENTRATION (PPM)	7.76	6.42	4.21	4.85	1.01	4.11	2.75	4.54	6.49	7.10	3.77	3.69	4.27
WEIGHT (POUNDS)	100	100	100	100	25	100	100	100	100	100	100	100	1,125
LAUNDRY PRODUCTS													
CONCENTRATION (PPM)		8.03		2.42	2.01	1.03	.67	12.45	1.62	1.78	1.11	1.84	2.57
WEIGHT (POUNDS)		125		50	50	25	24	274	25	25	29	50	677
SOAP													
CONCENTRATION (PPM)	109.67	88.62	45.85	63.92	32.61	33.50	17.87	27.26	25.95	35.52	15.07	11.06	36.72
WEIGHT (POUNDS)	1,414	1,380	1,089	1,318	810	815	650	600	400	500	400	300	9,676
SODIUM ION													
CONCENTRATION (PPM)	60.99	50.50	33.11	38.14	31.66	32.33	21.62	35.74	51.02	55.86	29.63	29.00	35.81
WEIGHT (POUNDS)	786	786	786	786	786	786	786	786	786	786	786	786	9,432

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

CFA WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VOLUMES = NEAREST THOUSAND GALLONS)

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 (GAL)	329	1	1	3	459	11,790	16,710	14,920	10,430	7,734	6,743	6,118	75,238
2 WATER PUMPED (GAL)	6,070	5,507	6,513	9,541	12,040	3,687	2,571	5,927	16	1	5		51,878
TOTAL WATER PUMPED (GAL)	6,399	5,508	6,514	9,544	12,499	15,477	19,281	20,847	10,446	7,735	6,748	6,118	127,116
WATER DISPOSAL													
AIR (GAL)													
SURFACE (GAL)													
SUBSURFACE (GAL)	201	214	245	218	191	90	136	147	123	169	313	181	2,228
SEWAGE DATA													
BUILD VOLUME (GAL)	1,345	1,652	2,601	2,254	2,784	2,825	4,223	2,490	1,725	1,518	2,866	3,069	29,352
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (PPM)	54.6	69.1	37.0	33.7	36.9	24.7	38.4	23.0	27.0	29.0	39.4	28.6	36.8
FINAL CONC. (PPM)	4.0	5.3	9.3	4.8	11.8	7.7	3.1	5.1	3.5	4.0	3.2	.9	5.2
% REMOVED	92.7	92.3	74.9	85.8	68.0	68.8	91.9	77.8	87.0	86.2	91.9	96.9	85.9
DISSOLVED OXYGEN (DO)													
RAW CONC. (PPM)	.5	.5	1.5	.9	2.1		.1	.8	.6	.9	1.3	2.3	1.0
FINAL CONC. (PPM)	6.8	6.1	4.7	4.9	4.6		5.0	6.0	5.2	6.4	6.5	6.3	5.7
INCREASED FACTOR	12.6	11.2	2.1	4.4	1.2		49.0	6.5	7.7	6.1	4.0	1.7	4.7
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	.4	.8	.5	.7	.9	.9	1.2	.8	.7	.8	.9	1.9	.9
FINAL CONC. (ML/L)	.05	.05	.05	.05	.05	.05	.05	.05	.06	.05	.05	.05	.05
% REMOVED	87.5	93.8	90.0	92.9	94.4	94.4	95.8	93.8	91.4	93.8	94.4	97.4	94.4
PH-FINAL	7.3	7.3	7.4	7.2	7.4	7.2	7.2	7.6	7.7	7.7	7.7	7.9	7.5
TOTAL SEWAGE VOL. (GAL)	1,345	1,652	2,601	2,254	2,784	2,825	4,223	2,490	1,725	1,518	2,866	3,069	29,352
TOTAL WATER DISPOSED (GAL)	1,546	1,866	2,846	2,472	2,975	2,915	4,359	2,637	1,848	1,687	3,179	3,250	31,580
ACCOUNTABILITY (%)	24.2	33.9	43.7	25.9	23.8	18.8	22.6	12.6	17.7	21.8	47.1	53.1	24.8

SCHED. NO. INF6164-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

CFA FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TYPE 2													
VOLUME (GAL)						7	2	8	11	30	6	119	183
SO2 (LBS)										1		3	4
NOX (LBS)													
PARTICULATES (LBS)													
TYPE 5													
VOLUME (GAL)	195	68	72	43	30								408
SO2 (LBS)	48	17	18	11	7								101
NOX (LBS)													
PARTICULATES (LBS)	8	3	3	2	1								17
GRAND TOTALS													
SO2 (LBS)	48	17	18	11	7					1		3	105
NOX (LBS)													
PARTICULATES (LBS)	8	3	3	2	1								17

SCHED. NO. INF6166-A

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

CPP AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
NITROGEN DIOXIDE WEIGHT (POUNDS)	245,000	100,400	14,820	245,000	94,170								699,390

CPP AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION SUBSTANCE	JAN JUL	FEB AUG	MAR SEP	APR OCT	MAY NOV	JUN DEC	ANNUAL TOT & AVE
STACK 708							
VOLUME (CU.FT. IN 1000)	5,043,999	2,068,000	305,100	5,043,999	1,939,000	0	
	0	0	0	0	0	0	14,400,098
NITROGEN DICXIDE							
CONCENTRATION (PPM)	.78	.78	.78	.78	.78	.00	
	.00	.00	.00	.00	.00	.00	.78
WEIGHT (POUNDS)	245,000	100,400	14,820	245,000	94,170	0	
	0	0	0	0	0	0	699,390

NOTE: UNDERLINE = CALCULATED CONCENTRATION

SCHED. NO. INF6166-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

CPP LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CALCIUM ION WEIGHT (POUNDS)	12	11	12	12	21	16	10	9	7	8	12	6	136
CHLORIDE ION WEIGHT (POUNDS)	21,497	24,878	43,405	20,108	17,900	17,165	34,243	56,212	28,822	40,288	23,290	46,346	374,154
HYPOCHLORITE WEIGHT (POUNDS)	31	28	31	30	54	40	25	23	19	20	32	14	347
NITRATE ION WEIGHT (POUNDS)	8,463	7,572		9,172	656	3,095	16,020	11,029	5,543	3,383	1,957	43	66,933
SODIUM ION WEIGHT (POUNDS)	12,187	11,682	10,982	12,700	10,723	6,603	11,414	13,092	12,748	11,379	15,657	38,083	167,250
SULFATE ION WEIGHT (POUNDS)	6,601		8,629	7,056	3,501	4,033	6,408	8,894	22,448	10,764	12,526	14,012	104,872
TDS WEIGHT (POUNDS)	70,245	61,438	76,875	112,888	78,800	43,052	88,912	101,396	98,939	123,632	128,388	178,918	1,163,483

CPP LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
DISPOSAL WELL SUBSURFACE													
VOLUME (GAL. IN 1000)	20,320	25,970	31,390	42,350	26,270	11,260	24,040	42,710	33,270	36,920	46,990	43,130	384,620
HYDROGEN-ION CONC. (PH)	8.2	8.6	7.6	6.9	7.0	7.6	7.2	7.2	7.0	7.4	6.8	7.4	7.4
CHLORIDE ION													
CONCENTRATION (PPM)	127.00	115.00	166.00	57.00	81.80	183.00	171.00	158.00	104.00	131.00	59.50	129.00	116.57
WEIGHT (POUNDS)	21,497	24,878	43,405	20,108	17,900	17,165	34,243	56,212	28,822	40,288	23,290	46,346	374,154
NITRATE ION													
CONCENTRATION (PPM)	50.00	35.00		26.00	3.00	33.00	80.00	31.00	20.00	11.00	5.00	.12	20.85
WEIGHT (POUNDS)	8,463	7,572		9,172	656	3,095	16,020	11,029	5,543	3,383	1,957	43	66,933
SODIUM ION													
CONCENTRATION (PPM)	72.00	54.00	42.00	36.00	49.00	70.40	57.00	36.80	46.00	37.00	40.00	106.00	52.11
WEIGHT (POUNDS)	12,187	11,682	10,982	12,700	10,723	6,603	11,414	13,092	12,748	11,379	15,657	38,083	167,250
SULFATE ION													
CONCENTRATION (PPM)	39.00		33.00	20.00	16.00	43.00	32.00	25.00	81.00	35.00	32.00	39.00	32.67
WEIGHT (POUNDS)	6,601		8,629	7,056	3,501	4,033	6,408	8,894	22,448	10,764	12,526	14,012	104,872
TDS													
CONCENTRATION (PPM)	415.00	284.00	294.00	320.00	360.10	459.00	444.00	285.00	357.00	402.00	328.00	498.00	362.49
WEIGHT (POUNDS)	70,245	61,438	76,875	112,888	78,800	43,052	88,912	101,396	98,939	123,632	128,388	178,918	1,163,483
SEWAGE PLANT SUBSURFACE													
VOLUME (GAL. IN 1000)	727	670	706	779	649	818	1,392	1,346	1,104	707	653	773	10,324
HYDROGEN-ION CONC. (PH)	7.8	7.8	7.8	7.7		7.2	7.4	7.5	7.8	7.7	7.6	7.5	7.6
CALCIUM ION													
CONCENTRATION (PPM)	1.99	1.98	2.06	1.78	3.85	2.29	.83	.80	.81	1.33	2.26	.87	1.57
WEIGHT (POUNDS)	12	11	12	12	21	16	10	9	7	8	12	6	136
HYPOCHLORITE													
CONCENTRATION (PPM)	5.12	5.09	5.28	4.56	9.90	5.89	2.14	2.04	2.08	3.41	5.80	2.23	4.03
WEIGHT (POUNDS)	31	28	31	30	54	40	25	23	19	20	32	14	347

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

CPP INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

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 Y SOLID	440.0	380.0	312.0	452.0	220.0	320.0	384.0	343.0	244.0	256.0	240.0	180.0	3,771.0
2 Y SOLID			64.0	32.0	32.0		64.0	24.0	56.0	72.0	64.0	48.0	456.0
4 Y SOLID								8.0	6.0				14.0
5 Y SOLID		4.0											4.0
GRAND TOTALS													
DISPOSED WASTE													
1 Y SOLID	440.0	380.0	312.0	452.0	220.0	320.0	384.0	343.0	244.0	256.0	240.0	180.0	3,771.0
2 Y SOLID			64.0	32.0	32.0		64.0	24.0	56.0	72.0	64.0	48.0	456.0
4 Y SOLID								8.0	6.0				14.0
5 Y SOLID		4.0											4.0

SCHED. NO. INF6161-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

CPP WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VOLUMES = NEAREST THOUSAND GALLONS)

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 (GAL)	22,100	27,970	33,700	45,280	28,260	12,680	26,700	46,260	36,090	39,510	50,020	46,100	414,670
WATER DISPOSAL													
AIR (GAL)													
SURFACE (GAL)													
SUBSURFACE (GAL)	20,320	25,970	31,390	42,350	26,270	11,260	24,040	42,710	33,270	36,920	46,990	43,130	384,620
SEWAGE DATA													
BUILD VOLUME (GAL)	727	670	706	779	649	818	1,392	1,346	1,104	707	653	773	10,324
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (PPM)	100.1	101.7	67.0	81.6	39.4	16.7	34.1	37.2	48.1	75.5	74.2	94.1	64.1
FINAL CONC. (PPM)	19.4	17.5	18.2	14.8	12.8	12.3	10.7	13.4	11.2	10.1	10.6	14.7	13.8
% REMOVED	80.6	82.8	72.8	81.9	67.5	26.3	68.6	64.0	76.7	86.6	85.7	84.4	78.5
DISSOLVED OXYGEN (DO)													
RAW CONC. (PPM)	3.5	2.9	1.5	1.5	3.6	4.7	.9	1.9	2.5	.8	2.1	2.5	2.4
FINAL CONC. (PPM)	5.0	5.2	4.4	4.1	5.2	6.5	5.7	5.0	4.6	3.8	4.4	4.1	4.8
INCREASED FACTOR	.4	.8	1.9	1.7	.4	.4	5.3	1.6	.8	3.8	1.1	.6	1.0
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)	.5	.6	.8	.7	.9	1.0	1.2	.9	.9	1.1	.8	.6	.8
FINAL CONC. (ML/L)	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05
% REMOVED	90.0	91.7	93.8	92.9	94.4	95.0	95.8	94.4	94.4	95.5	93.8	91.7	93.8
PH-FINAL	7.8	7.8	7.8	7.7	7.6	7.2	7.4	7.5	7.8	7.7	7.6	7.5	7.6
TOTAL SEWAGE VOL. (GAL)	727	670	706	779	649	818	1,392	1,346	1,104	707	653	773	10,324
TOTAL WATER DISPOSED (GAL)	21,047	26,640	32,096	43,129	26,919	12,078	25,432	44,056	34,374	37,627	47,643	43,903	394,944
ACCOUNTABILITY (%)	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.2	95.2	95.2	95.2	95.2	95.2

SCHED. NO. INF6164-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

CPP FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
KEROSENE													
VOLUME (GAL)	19	10		15	7								51
SO2 (LBS)													
NOX (LBS)													
PARTICULATES (LBS)													
TYPE 2													
VOLUME (GAL)	236	188	213	174	151	154	77	104	92	128	185	188	1,890
SO2 (LBS)	6	5	6	5	4	4	2	3	2	3	5	5	50
NOX (LBS)													
PARTICLLATES (LBS)													
GRAND TOTALS													
SO2 (LBS)	6	5	6	5	4	4	2	3	2	3	5	5	50
NOX (LBS)													
PARTICULATES (LBS)													

RELEASE POINT DESCRIPTION SUBSTANCE	JAN JUL	FEB AUG	MAR SEP	APR OCT	MAY NOV	JUN DEC	ANNUAL TOT & AVE
COOLING TOWERS							
VOLUME (CU.FT. IN 1000)	3,243	2,053	4,668	4,587	8,485	7,375	
	6,306	6,629	3,179	8,195	4,010	3,476	62,206

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

SCHED. NO. INF6166-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

NRF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION WEIGHT (POUNDS)	7,997	25,481	22,191	21,258	8,663	12,370	29,280	11,475	26,364	33,720	31,321	12,945	243,065
DISPERSANT 403 WEIGHT (POUNDS)	3,102	2,150	2,700	2,200									10,152
HEXAVALENT CR WEIGHT (POUNDS)									32	4		9	45
OROCOL 734 WEIGHT (POUNDS)	6,500	3,775	5,300	9,800	8,275	7,450	6,700	4,500	7,570	3,420	4,500	2,325	70,115
PHOSPHATE ION WEIGHT (POUNDS)	3,998	2,874	4,315	4,398	715	2,744	2,157	1,933	1,999	1,466	491	863	27,953
SLIMICIDE A-9 WEIGHT (POUNDS)	440	440	440	440		880		880	1,760	880	880	440	7,480
SLIMICIDE C-35 WEIGHT (POUNDS)	168	168	168	168	168	168	168	168	168	168	168	168	2,016
SLIMICIDE C-2 WEIGHT (POUNDS)			184	200	2,560								2,944
SLIMICIDE J-12 WEIGHT (POUNDS)	348	348	352	352	352	348	348	348	348	348	348	348	4,188
SLIMICIDE J-9 WEIGHT (POUNDS)	240	240	240	240		960		480	480	480	240	240	3,840
SODIUM ION WEIGHT (POUNDS)	19,992	39,468	20,034	20,159	13,861	29,238	16,952	13,890	17,493	18,326	13,695	20,840	243,948
SULFATE ION WEIGHT (POUNDS)	149,807	41,575	129,448	135,612	24,907	92,213	129,448	90,589	87,465	57,617	26,015	40,234	1,004,930
TDS WEIGHT (POUNDS)	233,240	194,464	240,404	260,229	87,931	220,412	230,849	152,189	183,676	118,019	87,465	122,451	2,131,329

NRF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
CHLORIDE ION WEIGHT (POUNDS)	7,997	25,481	22,191	21,258	8,663	12,370	29,280	11,475	26,364	33,720	31,321	12,945	243,065
DISPERSANT 403 WEIGHT (POUNDS)	3,102	2,150	2,700	2,200									10,152
HEXAVALENT CR WEIGHT (POUNDS)									32	4		9	45
OROCOL 734 WEIGHT (POUNDS)	6,500	3,775	5,300	9,800	8,275	7,450	6,700	4,500	7,570	3,420	4,500	2,325	70,115
PHOSPHATE ION WEIGHT (POUNDS)	3,998	2,874	4,315	4,398	715	2,744	2,157	1,933	1,999	1,466	491	863	27,953
SLIMICIDE A-9 WEIGHT (POUNDS)	440	440	440	440		880		880	1,760	880	880	440	7,480
SLIMICIDE C-35 WEIGHT (POUNDS)	168	168	168	168	168	168	168	168	168	168	168	168	2,016
SLIMICIDE C-2 WEIGHT (POUNDS)			184	200	2,560								2,944
SLIMICIDE J-12 WEIGHT (POUNDS)	348	348	352	352	352	348	348	348	348	348	348	348	4,188
SLIMICIDE J-9 WEIGHT (POUNDS)	240	240	240	240		960		480	480	480	240	240	3,840
SODIUM ION WEIGHT (POUNDS)	19,992	39,468	20,034	20,159	13,861	29,238	16,952	13,890	17,493	18,326	13,695	20,840	243,948
SULFATE ION WEIGHT (POUNDS)	149,807	41,575	129,448	135,612	24,907	92,213	129,448	90,589	87,465	57,617	26,015	40,234	1,004,930
TDS WEIGHT (POUNDS)	233,240	194,464	240,404	260,229	87,931	220,412	230,849	152,189	183,676	118,019	87,465	122,451	2,131,329

NRF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
SEWAGE POND SURFACE													
VOLUME (GAL. IN 1000)	1,080	857	910	980	1,120	1,500	2,114	1,493	1,110	1,060	895	664	13,783
HYDROGEN-ION CONC. (PH)	9.0	8.3	7.9	8.8	10.4		9.9	10.3	10.0	9.6	9.9	9.0	9.4
WASTE DITCH SURFACE													
VOLUME (GAL. IN 1000)	32,000	23,000	37,000	44,000	13,000	27,000	37,000	29,000	30,000	17,600	10,000	14,000	313,600
HYDROGEN-ION CONC. (PH)	6.1	7.4	7.3	7.5	8.0	7.3	7.2	6.3	7.2	7.3	7.7	8.5	7.3
CHLORIDE ION													
CONCENTRATION (PPM)	30.00	133.00	72.00	58.00	80.00	55.00	95.00	47.50	105.50	230.00	376.00	111.00	92.88
WEIGHT (POUNDS)	7,997	25,481	22,191	21,258	8,663	12,370	29,280	11,475	26,364	33,720	31,321	12,945	243,065
DISPERSANT 403													
CONCENTRATION (PPM)	11.62	11.20	8.74	5.99									3.88
WEIGHT (POUNDS)	3,102	2,150	2,700	2,200									10,152
HEXAVALENT CR													
CONCENTRATION (PPM)									.13	.03		.08	.02
WEIGHT (POUNDS)									32	4		9	45
OROCOL 734													
CONCENTRATION (PPM)	24.34	19.67	17.16	26.69	76.28	33.06	21.70	18.59	30.24	23.29	53.92	19.90	26.79
WEIGHT (POUNDS)	6,500	3,775	5,300	9,800	8,275	7,450	6,700	4,500	7,570	3,420	4,500	2,325	70,115
PHOSPHATE ION													
CONCENTRATION (PPM)	15.00	15.00	14.00	12.00	6.60	12.20	7.00	8.00	8.00	10.00	5.90	7.40	10.68
WEIGHT (POUNDS)	3,998	2,874	4,315	4,398	715	2,744	2,157	1,933	1,999	1,466	491	863	27,953
SLIMICIDE A-9													
CONCENTRATION (PPM)	1.65	2.29	1.42	1.20		3.91		3.64	7.03	5.99	10.54	3.77	2.86
WEIGHT (POUNDS)	440	440	440	440		880		880	1,760	880	880	440	7,480
SLIMICIDE C-35													
CONCENTRATION (PPM)	.63	.88	.54	.46	1.55	.75	.54	.69	.67	1.14	2.01	1.44	.77
WEIGHT (POUNDS)	168	168	168	168	168	168	168	168	168	168	168	168	2,016
SLIMICIDE D-2													
CONCENTRATION (PPM)			.60	.54	23.60								1.12
WEIGHT (POUNDS)			184	200	2,560								2,944
SLIMICIDE J-12													
CONCENTRATION (PPM)	1.30	1.81	1.14	.96	3.24	1.54	1.13	1.44	1.39	2.37	4.17	2.98	1.60
WEIGHT (POUNDS)	348	348	352	352	352	348	348	348	348	348	348	348	4,188

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

NRF LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
SLIMICIDE J-9													
CONCENTRATION (PPM)	.90	1.25	.78	.65		4.26		1.98	1.92	3.27	2.88	2.05	1.47
WEIGHT (POUNDS)	240	240	240	240		960		480	480	480	240	240	3,840
SODIUM ION													
CONCENTRATION (PPM)	75.00	206.00	65.00	55.00	128.00	130.00	55.00	57.50	70.00	125.00	164.40	178.70	93.21
WEIGHT (POUNDS)	19,992	39,468	20,034	20,159	13,861	29,238	16,952	13,890	17,493	18,326	13,695	20,840	243,948
SULFATE ION													
CONCENTRATION (PPM)	562.00	217.00	420.00	370.00	230.00	410.00	420.00	375.00	350.00	393.00	312.30	345.00	383.99
WEIGHT (POUNDS)	149,807	41,575	129,448	135,612	24,907	92,213	129,448	90,589	87,465	57,617	26,015	40,234	1,004,930
TDS													
CONCENTRATION (PPM)	875.00	1015.00	780.00	710.00	812.00	980.00	749.00	630.00	735.00	805.00	1050.00	1050.00	814.40
WEIGHT (POUNDS)	233,240	194,464	240,404	260,229	87,931	220,412	230,849	152,189	183,676	118,019	87,465	122,451	2,131,329

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

SCHED. NO. INF6162-B

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

NRF INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

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 ACID PIT													
DISPOSED WASTE													
8 K LIQUID								60.0					60.0
SULFURIC ACID SLUDGE													
CFA LANDFILL													
DISPOSED WASTE													
1 Y SOLID	896.0	896.0	964.0	1,240.0	448.0	980.0	1,152.0	956.0	524.0	460.0	345.0	350.0	9,211.0
2 Y SOLID	64.0	128.0	136.0	64.0	44.0	12.0	64.0	112.0	114.0	144.0	112.0	122.0	1,116.0
3 Y SOLID						56.9	21.3	42.7	28.8	75.9	32.0	10.7	268.3
4 Y SOLID	16.0	24.0	16.0		4.0	61.1	66.7	16.1	.4	9.3		3.2	216.8
5 Y SOLID						14.2		18.2	7.0	19.0	4.0	36.0	98.4
6 K LIQUID						3,590.0	1,200.0						4,790.0
WASTE OIL SLUDGE													
6 K LIQUID										2,928.0			2,928.0
WASTE OIL SLUDGE AND SCRAP													
7 K LIQUID					25.0								25.0
PAINT													
7 K LIQUID										30.0			30.0
PAINT THINNER													
7 K LIQUID						15.0							15.0
SOLVENT													
8 K LIQUID					60.0								60.0
SULFURIC ACID													
8 P SOLID										50.0			50.0
METHYLENE DITHIOCYNATE													
9 F SOLID												270.0	270.0
ASPHALT													
9 F SOLID										783.0			783.0
ASPHALT,GROUND,SOD,& ROOFING MATRL													
9 F SOLID					1,830.0								1,830.0
CONSTRUCTION WASTE													
9 F SOLID											486.0		486.0
GRAVEL AND ASPHALT													
9 F SOLID							170.0						170.0
LUMBER AND CONCRETE													
CFA OIL DEPOT													
STORED WASTE													
6 K LIQUID	340.0	330.0	370.0	250.0	200.0	1,320.0	2,640.0	1,265.0	1,100.0	4,200.0	600.0		12,615.0
WASTE OIL													
GRAND TOTALS													

NRF INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

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													
DISPOSED WASTE													
1 Y SOLID	896.0	896.0	964.0	1,240.0	448.0	980.0	1,152.0	956.0	524.0	460.0	345.0	350.0	9,211.0
2 Y SOLID	64.0	128.0	136.0	64.0	44.0	12.0	64.0	112.0	114.0	144.0	112.0	122.0	1,116.0
3 Y SOLID						56.9	21.3	42.7	28.8	75.9	32.0	10.7	268.3
4 Y SOLID	16.0	24.0	16.0		4.0	61.1	66.7	16.1	.4	9.3		3.2	216.8
5 Y SOLID						14.2		18.2	7.0	19.0	4.0	36.0	98.4
6 K LIQUID						3,590.0	1,200.0			2,928.0			7,718.0
7 K LIQUID					25.0	15.0				30.0			70.0
8 K LIQUID					60.0			60.0					120.0
8 P SOLID										50.0			50.0
9 F SOLID					1,830.0		170.0			783.0	486.0	270.0	3,539.0
STORED WASTE													
6 K LIQUID	340.0	330.0	370.0	250.0	200.0	1,320.0	2,640.0	1,265.0	1,100.0	4,200.0	600.0		12,615.0

NRF WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VOLUMES = NEAREST THOUSAND GALLONS)

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 (GAL)	24,640	12,680	7,421	9,746	23,230	15,700	28,910	37,620	32,570	56,250	37,840	35,830	322,437
2 WATER PUMPED (GAL)	35,360	28,210	24,530	7,495	4,136	12,170	36,980	22,620	1,967	30,490	6,362	2,293	212,613
3 WATER PUMPED (GAL)	31	36	44,760	65,860	57,280	61,930	25,660	25,340	22,990				303,887
TOTAL WATER PUMPED (GAL)	60,031	40,926	76,711	83,101	84,646	89,800	91,550	85,580	57,527	86,740	44,202	38,123	838,937
WATER DISPOSAL													
AIR (GAL)	24,260	15,360	34,920	34,310	63,470	55,170	47,170	49,590	23,780	61,300	30,000	21,000	460,330
SURFACE (GAL)	32,000	23,000	37,000	44,000	13,000	27,000	37,000	29,000	30,000	17,600	10,000	14,000	313,600
SUBSURFACE (GAL)													
SEWAGE DATA													
BUILD VOLUME (GAL)	1,080	857	910	980	1,120	1,500	2,144	1,493	1,110	1,060	895	664	13,813
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (PPM)	98.0	87.9	79.0	18.0	44.8		92.8	34.4	31.3	115.0	67.5	98.8	69.8
FINAL CONC. (PPM)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (PPM)	4.7		2.2	12.0	14.6		.2	7.1	12.0	5.4	15.8	1.0	7.5
FINAL CONC. (PPM)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH-FINAL	9.0	8.3	7.9	8.8	9.9		9.9	9.9	9.9	9.6	9.9	9.0	9.3
TOTAL SEWAGE VOL. (GAL)	1,080	857	910	980	1,120	1,500	2,144	1,493	1,110	1,060	895	664	13,813
TOTAL WATER DISPOSED (GAL)	57,340	39,217	72,830	79,290	77,590	83,670	86,314	80,083	54,890	79,960	40,895	35,664	787,743
ACCOUNTABILITY (%)	95.5	95.8	94.9	95.4	91.7	93.2	94.3	93.6	95.4	92.2	92.5	93.5	93.9

SCHED. NO. INF6164-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

NRF FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TYPE 5													
VOLUME (GAL)	194	135	120	116	135	98	87	80	99	145	176	225	1,610
SO2 (LBS)	55	38	34	33	38	28	25	23	28	41	50	130	523
NOX (LBS)	5	4	3	3	4	3	2	2	3	4	5	6	44
PARTICULATES (LBS)	3	2	2	2	2	2	2	1	2	3	3	4	28
GRAND TOTALS													
SO2 (LBS)	55	38	34	33	38	28	25	23	28	41	50	130	523
NOX (LBS)	5	4	3	3	4	3	2	2	3	4	5	6	44
PARTICULATES (LBS)	3	2	2	2	2	2	2	1	2	3	3	4	28

SCHED. NO. INF6166-A

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

ANL AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
HEXAVALENT CR WEIGHT (POUNDS)							3	3	3	2	4	2	17

ANL AIRBORNE DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION SUBSTANCE	JAN JUL	FEB AUG	MAR SEP	APR OCT	MAY NOV	JUN DEC	ANNUAL TOT & AVE
COOLING TOWER							
VOLUME (CU.FT. IN 1000)	0 8	0 7	0 9	0 6	0 10	0 6	46
HEXAVALENT CR							
CONCENTRATION (PPM)	.00 6.30	.00 6.35	.00 6.19	.00 6.26	.00 6.23	.00 6.25	6.26
WEIGHT (POUNDS)	0 3	0 3	0 3	0 2	0 4	0 2	17

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

SCHED. NO. INF6166-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

ANL LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

AREA GRAND TOTALS SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
BETZ NEUTRMEEN WEIGHT (POUNDS)	48	48	30	30	16	20	21	16	18	18	20	20	305
DIANODIC 194 WEIGHT (POUNDS)	450	450	350	50	200	500	450	550	550	400	550	300	4,800
PHOSPHATE ION WEIGHT (POUNDS)	1	1					1		2				5
PHOTO LAB CHEMICAL WEIGHT (POUNDS)	53	53	53	53	53	50	325	320	320	320	320	320	2,240
SKAZOL WEIGHT (POUNDS)	80	80	80	80	80	80	80	80	80	80	80	80	960
SODIUM ION WEIGHT (POUNDS)	362	290	292	217	217	433	434	432	506	576	648	648	5,055
SULFATE ION WEIGHT (POUNDS)	2,811	3,485	2,959	1,389	734	2,021	2,704	2,182	2,766	2,433	2,985	2,511	28,980
SULFITE ION WEIGHT (POUNDS)	3	3	8	1	2	2	2	1	2		1	1	26
SULFUR DIOXIDE WEIGHT (POUNDS)	449	708	559	185		364	557	409	540	411	532	398	5,112

RELEASE POINT DESCRIPTION / SUBSTANCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
FACILITY 779 SURFACE													
VOLUME (GAL. IN 1000)	245	208	238	270	230	209	268	159	275	155	289	353	2,899
HYDROGEN-ION CONC. (PH)				8.0		8.7		6.0	8.2	8.8			7.9
SKAZOL													
CONCENTRATION (PPM)	39.08	46.13	40.35	35.54	41.68	45.82	35.74	60.22	34.87	61.69	33.21	27.17	39.68
WEIGHT (POUNDS)	80	80	80	80	80	80	80	80	80	80	80	80	960
INDUSTRIAL POND 746 SURFACE													
VOLUME (GAL. IN 1000)	4,080	3,340	3,650	2,180	1,087	4,717	2,582	1,775	2,254	1,773	2,206	1,820	31,464
HYDROGEN-ION CONC. (PH)													
BETZ NEUTRMEEN													
CONCENTRATION (PPM)	1.41	1.72	1.00	1.67	1.76	.51	.99	1.08	.96	1.22	1.09	1.32	1.17
WEIGHT (POUNDS)	48	48	30	30	16	20	21	16	18	18	20	20	305
DIANODIC 194													
CONCENTRATION (PPM)	13.22	16.14	11.49	2.75	22.05	12.70	20.88	37.13	29.24	27.03	29.88	19.75	18.28
WEIGHT (POUNDS)	450	450	350	50	200	500	450	550	550	400	550	300	4,800
PHOSPHATE ION													
CONCENTRATION (PPM)	.03	.05	.01	.02	.04	.01	.03	.02	.10	.03	.03	.03	.03
WEIGHT (POUNDS)	1	1					1		2				5
PHOTO LAB CHEMICAL													
CONCENTRATION (PPM)	1.56	1.90	1.74	2.91	5.84	1.27	15.10	21.60	17.01	21.63	17.38	21.07	8.53
WEIGHT (POUNDS)	53	53	53	53	53	50	325	320	320	320	320	320	2,240
SODIUM ION													
CONCENTRATION (PPM)	10.61	10.40	9.61	11.90	23.92	11.00	20.14	29.16	26.88	38.90	35.18	42.64	19.24
WEIGHT (POUNDS)	362	290	292	217	217	433	434	432	506	576	648	648	5,055
SULFATE ION													
CONCENTRATION (PPM)	82.55	125.04	97.13	76.36	80.94	51.33	125.49	147.32	147.03	164.42	162.14	165.33	110.37
WEIGHT (POUNDS)	2,811	3,485	2,959	1,389	734	2,021	2,704	2,182	2,766	2,433	2,985	2,511	28,980
SULFITE ION													
CONCENTRATION (PPM)	.07	.09	.27	.06	.21	.05	.07	.05	.10	.03	.04	.05	.09
WEIGHT (POUNDS)	3	3	8	1	2	2	2	1	2		1	1	26
SULFUR DIOXIDE													
CONCENTRATION (PPM)	13.19	25.40	18.35	10.17		9.25	25.85	27.61	28.71	27.78	28.90	26.20	19.47
WEIGHT (POUNDS)	449	708	559	185		364	557	409	540	411	532	398	5,112

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

ANL LIQUID DISPOSED SUBSTANCES SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

RELEASE POINT DESCRIPTION / SUBSTANCE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOT & AVE
TREAT SEPTIC TANK	SUBSURFACE													
VOLUME (GAL. IN 1000)		12	12	12	12	12	12							72
HYDROGEN-ION CONC. (PH)														

NOTE: UNDERLINE = CALCULATED CONCENTRATION BASED UPON CHEMICAL USAGE

ANL INDUSTRIAL WASTE SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

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 Y SOLID	384.0	460.0	288.0	960.0	320.0	520.0	448.0	312.0	200.0	160.0	168.0	120.0	4,340.0
2 Y SOLID			32.0			12.0		32.0	32.0	32.0	32.0	24.0	196.0
3 Y SOLID						8.0					135.0		143.0
4 Y SOLID		8.0			4.0								12.0
5 Y SOLID				4.0			4.0						8.0
8 P SOLID											590.0		590.0
CR+3													
CFA OIL DEPOT													
STORED WASTE													
6 K LIQUID				110.0									110.0
WASTE OIL													
GRAND TOTALS													
DISPOSED WASTE													
1 Y SOLID	384.0	460.0	288.0	960.0	320.0	520.0	448.0	312.0	200.0	160.0	168.0	120.0	4,340.0
2 Y SOLID			32.0			12.0		32.0	32.0	32.0	32.0	24.0	196.0
3 Y SOLID						8.0					135.0		143.0
4 Y SOLID		8.0			4.0								12.0
5 Y SOLID				4.0			4.0						8.0
8 P SOLID											590.0		590.0
STORED WASTE													
6 K LIQUID				110.0									110.0

SCHED. NO. INF616L-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

ANL WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VOLUMES = NEAREST THOUSAND GALLONS)

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 (GAL)	4,701	4,615	6,009	4,484	477	6,590	6,533	5,943	5,832	3,923	5,961	4,619	59,687
2 WATER PUMPED (GAL)	4,513	4,721	4,584	1,617	2,966	6,326	6,271	5,705	5,832	3,766	3,601	2,790	52,692
TOTAL WATER PUMPED (GAL)	9,214	9,336	10,593	6,101	3,443	12,916	12,804	11,648	11,664	7,689	9,562	7,409	112,379
WATER DISPOSAL													
AIR (GAL)							61	55	68	43	71	45	343
SURFACE (GAL)	4,080	3,340	3,650	2,180	1,087	4,717	2,582	1,775	2,254	1,773	2,206	1,820	31,464
SUBSURFACE (GAL)	12	12	12	12	12								60
SEWAGE DATA													
720 BUILD VOLUME (GAL)						12	12	12	12	12	12	12	84
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (PPM)													
FINAL CONC. (PPM)													
% REMOVED													
DISSOLVED OXYGEN (DO)													
RAW CONC. (PPM)													
FINAL CONC. (PPM)													
INCREASED FACTOR													
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH-FINAL													

ANL WATER USAGE AND DISPOSAL SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VOLUMES = NEAREST THOUSAND GALLONS)

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 VOLUME (GAL)	245	208	238	270	230	209	268	159	275	155	289	353	2,899
BIOCHEMICAL OXYGEN DEMAND (BOD)													
RAW CONC. (PPM)				109.7		123.3	105.0	144.0	97.8	114.0			115.6
FINAL CONC. (PPM)				38.7		43.3	44.4	36.3	33.7	37.3			39.0
% REMOVED				64.7		64.9	57.7	74.8	65.5	67.3			66.3
DISSOLVED OXYGEN (DO)													
RAW CONC. (PPM)				.1						2.9			1.5
FINAL CONC. (PPM)				6.7		4.9		5.3	37.9				13.7
INCREASED FACTOR				66.0									
SETTLEABLE SOLIDS (SS)													
RAW CONC. (ML/L)													
FINAL CONC. (ML/L)													
% REMOVED													
PH-FINAL				8.0		8.7	8.2	6.0	8.2	8.8			8.0
TOTAL SEWAGE VOL. (GAL)	245	208	238	270	230	221	280	171	287	167	301	365	2,983
TOTAL WATER DISPOSED (GAL)	4,337	3,560	3,900	2,462	1,329	4,938	2,923	2,001	2,609	1,983	2,578	2,230	34,850
ACCOUNTABILITY (%)	47.1	38.1	36.8	40.4	38.6	38.2	22.8	17.2	22.4	25.8	27.0	30.1	31.0

SCHED. NO. INF6164-C

IDAHO OPERATIONS OFFICE
U.S. ATOMIC ENERGY COMMISSION
INEL INDUSTRIAL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 04/24/75

ANL FUEL OIL USAGE AND STACK EFFLUENTS SUMMARY
FOR JANUARY THROUGH DECEMBER 1974

(ALL VALUES = NEAREST THOUSAND)

FUEL OIL TYPE EFFLUENTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
TYPE 2													
VOLUME (GAL)	128	101	89	68	60	40	31	36	37	49	45	88	772
SO2 (LBS)	6	5	4	3	3	2	2	1	2	2	2	4	36
NOX (LBS)													
PARTICULATES (LBS)	1												1
GRAND TOTALS													
SO2 (LBS)	6	5	4	3	3	2	2	1	2	2	2	4	36
NOX (LBS)													
PARTICLLATES (LBS)	1												1