Radioactive Waste Management Information for 1993 and Record-To-Date

Idaho National Engineering Laboratory

U.S. Department of Energy • Idaho Operations Office

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**RADIOACTIVE WASTE MANAGEMENT
INFORMATION FOR 1993
AND RECORD-TO-DATE**

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ABSTRACT

This document presents detailed data, bar graphs, and pie charts on volume, radioactivity, isotopic identity, origin, and decay status of radioactive waste for the calendar year 1993. It also summarizes the radioactive waste data records compiled from 1952 to present for the Idaho National Engineering Laboratory (INEL). The data presented are from the INEL Radioactive Waste Management Information System.

EXECUTIVE SUMMARY

This document, *Radioactive Waste Management Information for 1993 and Record-to-Date*, contains computerized radioactive waste data records from the Idaho National Engineering Laboratory (INEL). Data are compiled from information supplied by the U.S. Department of Energy (DOE) contractors. Data listed are on airborne and liquid radioactive effluents and solid radioactive waste that is stored, disposed, and sent to the INEL for reduction. Data are summarized for the years 1952 through 1992. Data are detailed for the calendar year 1993.

Airborne and liquid waste was released to the environment through engineered release points identified on Table 1 located in the *Engineered Release Points* section. Monitoring and effluent sampling systems are an integral part of each engineered release point. Releases to the environment may also occur at locations other than normal release points.

Airborne releases of radioactivity for 1993 were 2,719 curies; noble gases accounted for 2,590 curies or 95% of the radioactivity. The curie amount compares to 24,179 curies in 1992 and 63,879 curies in 1991.

Prior to CY1993 data on the actual release of krypton from the Idaho Chemical Processing Plant (ICPP) were classified. Therefore, krypton releases were reported in multiples of 10,000 curies to meet classification requirements. As a result of ICPP's mission change, Kr-85 will no longer be reported in multiples of 10,000 curies. Actual values will be reported, which have resulted in a decrease in total radioactivity being released at ICPP.

A total of $2.7\text{E}+09$ liters of liquid radioactive waste containing 130 curies was released to the environment at the INEL during 1993. Tritium accounted for 95% of the radioactivity. As a result of radioactive decay, 122 curies or 93% of the curies for identified radionuclides remained on January 1, 1994, and 97 curies or 74% will remain after 5 years. The radioactivity discharged as liquid waste in 1993 was 30% less than the ac-

tivity discharged in 1992, and 23% less than the activity discharged in 1991.

During 1993, a total of 852 m^3 of solid radioactive waste containing 429,655 curies was shipped to the Radioactive Waste Management Complex (RWMC) for disposal. This compares to 844 m^3 with 143,951 curies disposed in 1992, and $1,272\text{ m}^3$ with 187,569 curies in 1991. By January 1, 1994, the radionuclides identified in 1993 had decayed to 404,169 curies (94%), and in 5 years they will have decayed to 299,811 curies (70%).

The majority of the nuclides disposed in solid waste at the RWMC in 1993 consisted of H-3, Co-60, and Ni-63. These nuclides accounted for 92% of total curies.

No transuranic waste was shipped to the Transuranic Storage Area in 1993. The Waste Calcining Facility at ICPP accounts for 97% of the volume and 99% of the radioactivity placed in storage.

The Waste Experimental Reduction Facility (WERF) received 446 m^3 and 2 curies of solid radioactive waste for size reduction in 1993. The waste received by WERF for reduction in 1993 compared to $1,139\text{ m}^3$ and 19 curies in 1992 and $2,066\text{ m}^3$ and 17 curies in 1991. Because of re-evaluation of the shipments to WERF the 1991 and 1992 totals will be different.

Radioactive effluent discharges at the INEL in 1993 met all applicable DOE requirements (DOE 5400.5, 5820.2) and State of Idaho regulations and standards.

The impact of this waste on the environment, both onsite and offsite, is constantly monitored by the Radiological and Environmental Sciences Laboratory/ Idaho Operations. The results of this program for 1993 are published in the annual report, *The Idaho National Engineering Laboratory Site Environmental Report for Calendar Year 1993*, DOE/ID-12082(93), published July 1994.

The effect of radioactive decay reduces quantities of activity at varying rates among the radionuclides. The effect of decay on airborne, liquid, and solid radioactive waste disposed on the INEL in 1993 is in *INEL 1993 Summaries* section. The decay summary data for the INEL for the period

of 1952-1993 is found in the *Area Decay Summaries* section. Only curies of identified radionuclides have decayed. Although all radioactivity decays, decay schemes cannot be applied to the curies of unidentified radionuclides such as mixed fission or activation products.

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Engineered Release Points

ACRONYMS AND ABBREVIATIONS

AIW	Large Ship Reactor at NRF	INEL	Idaho National Engineering Laboratory
ALE	Argonne National Laboratory-East	L&O	Lab and Office Building
ANL	Argonne National Laboratory-West	LOF	Loss-of-Fluid Test
ARA	Auxiliary Reactor Area	LOFT	Loss-of-Fluid Test
ATR	Advanced Test Reactor	MAP	Mixed Activation Products
BCL	Battelle Columbus Laboratories	MFP	Mixed Fission Products
BET	Bettis Atomic Power Laboratory	MTR	Materials Test Reactor
BNL	Brookhaven National Laboratory	MWSF	Mixed Waste Storage Facility
CEG	Combustion Engineering General Atomics	NRF	Naval Reactors Facility
CFA	Central Facilities Area	NSA	North Storage Area
CG	Concentration Guides (same as DCG)	NWCF	New Waste Calcining Facility
CPP	Chemical Processing Plant (also referred to as ICPP)	OFF	Off-site
CTF	Containment Test Facility (LOFT became CTF on 10/1/86)	OTH	Other
CY	Calendar Year	PBF	Power Burst Facility
D&D	Decontamination and Decommissioning	PER	Special Power Excursion Reactor Test (also referred to as SPERT)
DCG	Derived Concentration Guides	PREPP	Process Reduction Experimental Pilot Plant
DOE	U.S. Department of Energy	R&D	Research and Development
EBR-II	Experimental Breeder Reactor II	RAL	Radiation Analysis Laboratory
ECF	Expended Core Facility	RESL/IL	Radiological and Environmental Sciences Laboratory/Idaho Operations
EG&G	EG&G Idaho, Incorporated	RFO	Rocky Flats Office (EG&G Rocky Flats, Colorado)
ETR	Engineering Test Reactor	RLWTF	Radioactive Liquid Waste Treatment Facility
FASB	Fuel Assembly and Storage Building	RWDS	Radioactive Waste Disposal System
FAST	Fluorinel and Storage Facility	RWMC	Radioactive Waste Management Complex
FCF	Fuel Cycle Facility	RWMIS	Radioactive Waste Management Information System
FMF	Fuel Manufacturing Facility	S1W	Submarine Prototype at NRF
HFEF	Hot Fuels Examination Facility	S5G	Submarine Prototype at NRF
HFEF-N	Hot Fuels Examination Facility-North	SDA	Subsurface Disposal Area
HFEF-S	Hot Fuels Examination Facility-South	SL-1	Stationary Low Power Reactor No. 1
ICPP	Idaho Chemical Processing Plant (also referred to as CPP)	SMC	Specific Manufacturing Capability
ILTSF	Intermediate-Level Transuranic Storage Facility	SPERT	Special Power Excursion Reactor Test (also referred to as PER)

SPF	Sodium Process Facility	WER	Waste Experimental Reduction Facility (also referred to as WERF)
SWEPP	Stored Waste Examination Pilot Plant	WERF	Waste Experimental Reduction Facility (also referred to as WER)
TAN	Test Area North	WINCO	Westinghouse Idaho Nuclear Company
TRA	Test Reactor Area	WMC	Waste Management Complex (also referred to as RWMC)
TREAT	Transient Reactor Test Facility	WVRF	Waste Volume Reduction Facility
TSA	Transuranic Storage Area	ZPPR	Zero Power Plutonium Reactor
TSF	Test Support Facility		
WCF	Waste Calcining Facility		

CONVERSION FACTORS

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

DEFINITIONS

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

Exponential notation—Numbers in this document are expressed as either whole numbers or in exponential notation form. For example: $1,000,000 = 1 \times 10^6 = 1\text{E}+06$.

RADIOACTIVE WASTE MANAGEMENT INFORMATION FOR 1993 AND RECORD-TO-DATE

INTRODUCTION

This document summarizes radioactive waste data records for the Idaho National Engineering Laboratory (INEL) compiled since 1952, and provides detailed data for calendar year (CY) 1993. A computerized Radioactive Waste Management Information System (RWMIS) has been used at the INEL since January 1971.

Several improvements to the data base system and data reporting have taken place since data collection was computerized. These improvements include:

- In 1982, the data base language was converted from COBOL to NOMAD, a fourth-generation data base language. NOMAD has many statistical analysis features that can be applied to the data, and allows for modifying data reporting requirements with minimal impact on the data base.
- In January 1986, solid waste data reporting requirements changed from a per-shipment basis to a per-container basis. A shipment could consist of 1 to 70 containers. By changing to a per-container basis, solid waste on the INEL is tracked more accurately. It is now possible to pinpoint the exact location of a container and to determine its waste classification.
- In February 1988, waste generators were given the ability to provide the analytical uncertainty, at one sigma, for the reported nuclides of air and liquid effluent releases.
- In May 1988, an RWMIS Graph Download System was made available to waste generators who provide data directly into the data base. This system serves two purposes: (a) it provides an easy way for waste generators to copy their data from the mainframe to a personal computer data base file, and (b) it provides a menu-driven selection process for

personal computer data bases with graphing capabilities for trending and other analyses.

U.S. Department of Energy (DOE) contractors routinely report information on airborne and liquid radioactive effluents and solid radioactive waste that is stored, disposed, and sent to the INEL for reduction. Types of information include volume, radioactivity, isotopic identity, origin, and decay status. This system serves as the official repository for this data and provides reports for all types of radioactive effluents and solid waste disposed, sent for reduction, or stored at the INEL.

Graphics were added to the report in 1987 to improve the data presentation. In the *Decay Summaries* section, those areas having no identified nuclides, or only <1 curie of identified nuclides, are not presented with graphics. The area-specific solid low-level waste graphs in this report depict waste in four categories:

1. Direct Disposal—waste that is sent directly to the Radioactive Waste Management Complex for disposal with no volume reduction efforts applied.
2. Compaction—compactible waste that is sent to Waste Experimental Reduction Facility (WERF) to be compacted.
3. Metal Sizing—metallic waste that is sent to WERF for volume reduction.
4. Incineration—combustible waste sent to WERF for incineration.

In 1990, additional reports and graphics were added to better represent previously summarized data. These reports and graphics included a detailed list of generators who ship waste to WERF and details on stored waste by generator.

The RWMIS is continually undergoing review and enhancement. Comments on the system are

encouraged. This report is updated annually to incorporate waste management data for the current year and to reflect changes from previous annual reports. These changes are made to more accurately reflect the current status of waste operations at the INEL.

Annual and special RWMIS reports have been useful to various levels of management in appraising their radioactive waste programs. Annual reports provide a summary by type and producer of waste. Special reports include radioactive decay from time of disposal to specified future dates. The volume, weight, and curie content in all RWMIS reports are expressed in exponential notation.

A comparison of the annual mean average released nuclides concentrations and the Derived Concentration Guides (DCG) limits are included in the detailed RWMIS. The concentration of liquid releases is compared directly to the reference DCG limits for drinking water. It must be noted that the DCG liquid release limits are for protecting the public from ingesting radiation-contaminated water. INEL liquid releases flow to areas inaccessible to the general public. The calculated concentration of airborne releases as dispersed to the INEL boundary is compared to the reference airborne DCG limits. The reference DCG values are given in DOE Order 5400.5, "Radiation Protection of the Public and the Environment," February 1990. The right-hand column of many RWMIS reports indicate total and average values. Total values include the total content in curies for each radionuclide released during the year. Average values are the annual mean concentrations of radionuclides.

The RWMIS provides readily available information that permits ongoing evaluation of INEL waste management activities, including compliance with DOE regulations and those of other Federal and State agencies. The RWMIS continues to be a valuable asset to the overall management effort at the INEL and continues to alert the DOE Idaho Operations Office (DOE-ID) of major trends and potential problem areas.

Reports Included in Document

Eight report categories are included in this document. A brief description of each are below.

INEL Record-to-Date Summary—This report summarizes the volume and curies of all effluents and solid waste on the INEL by CY for the period 1984 to 1993 and a cumulative total for 1952 to 1983.

INEL Record-to-Date Discharges and Solid Waste—These reports summarize the volume and curies of all discharges and solid waste on the INEL by discharge/waste type for each area generating waste by CY for the period 1984 to 1993 and a cumulative total for 1952 to 1983.

INEL Record-to-Date Decay Summaries—These reports summarize both identified and unidentified curies by waste type on the INEL by CY for the period 1984 to 1993 and a cumulative total for 1962 to 1983. The curie amount is adjusted to allow for radioactive decay through the last day of the current year.

Area Record-to-Date Decay Summaries—These reports summarize the identified and unidentified curies by area and waste type by CY for the period 1984 to 1993 and a cumulative total for 1962 to 1983. The curie amount is adjusted to allow for radioactive decay through the last day of the current year and then 10 years later.

INEL 1993 Year-to-Date Summary—This report summarizes, by facility, the amounts of radioactivity generated at INEL facilities or at offsite facilities and shipped to the INEL. Liquid and airborne waste that is released is identified, and quantities of solid wastes stored, disposed, or received for reduction are given. The volume of the media containing the radioactivity is also included.

INEL Disposed Waste Decay Summary in Curies for 1993—This report summarizes the total curies of airborne, liquid, and solid waste on the INEL for the current year and then corrects the amount of the total curies for radioactive decay, by year, for 7 years.

Nuclide Summary in Curies for Airborne, Liquid, and Solid Waste—These reports summarize the annual curie values, by nuclide, for each area reporting effluents or solid waste on the INEL.

Area 1993 Detail Data—These reports provide monthly data on the volumes and radionuclides in the airborne, liquid, and solid waste generated by INEL areas and by non-INEL areas shipping solid waste to the INEL. The year-to-date totals are also shown.

INEL Record-to-Date Summary

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INEL RECORD-TO-DATE SUMMARY

TYPE/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
AIRBORNE												
VOLUME	128622	12043	9636	12289	12220	13388	13514	13450	12963	12715	13150	253990
CURIES	13045298	4837	77262	14518	254948	173935	22370	24459	63879	24179	2719	13708402
LIQUID												
VOLUME	69494	2749	2744	2529	2536	2357	1922	2642	2490	2799	2659	94920
CURIES	73747	191	667	346	357	270	137	189	170	187	130	76391
SOLID DISPOSED												
VOLUME	187602	3906	3140	3437	2969	2045	1364	1762	1272	844	852	209193
CURIES	9713010	486043	271435	95084	247521	149742	590066	207543	187569	143951	429655	12521618
SOLID STORED												
VOLUME	53804	3444	3376	3128	2217	1395	880	41	181		203	68668
CURIES	81423504	1817475	55521	55109	3400798	8609486	51118	4607	1603039	39741	1142363	98202761
SOLID TO WERF FOR REDUCTION												
VOLUME		78	1275	2458	2529	2967	2663	3179	2066	1142	446	18802
CURIES		<1	1	2	5	6	6	13	17	19	2	71

LIQUID VOLUME IN MILLIONS OF LITERS
 AIRBORNE VOLUME IN MILLIONS OF CUBIC METERS

ONE CUBIC METER EQUALS 35.31 CUBIC FEET.
 ONE MILLION LITERS EQUALS 264,180 GALLONS

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Record-to-Date Summary CY 1993

INEL-4

INEL 1984-1993 AIRBORNE EFFLUENT VOLUME & CURIES

INEL 1984-1993 LIQUID EFFLUENT VOLUME & CURIES

INEL Record-to-Date Summary CY-1993

INEL-5

INEL 1984-1993 SOLID DISPOSED WASTE VOLUME & CURIES

1984-1993 SOLID STORED WASTE VOLUME & CURIES

INEL 1984-1993 SOLID WASTE SENT TO WERF FOR VOLUME REDUCTION* VOLUME & CURIES

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RECORD-TO-DATE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
ANL												
VOLUME	29739	2409	2445	2406	2532	2554	2540	2535	2542	2542	2522	54766
CURIES	45275	250	916	932	889	618	686	716	551	739	1160	52733
ARA												
VOLUME	352	34	47	47	47	32						560
CURIES	<1	<1	<1	<1	<1	<1						<1
CFA												
VOLUME	427	393	140	117	77	59	58	58	58	58	34	1481
CURIES	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CPP												
VOLUME	35538	5201	3332	3923	3911	3893	3794	3827	3916	3895	4244	75476
CURIES	7524492	398	64279	10845	250918	170708	20002	20002	60043	20000	62	8141749
CTF												
VOLUME				155	63							218
CURIES				<1								<1
LOF												
VOLUME	528	129	165									822
CURIES	4	27	8780									8810
NRF												
VOLUME	25407	2114	2187	2722	1630	1745	2377	2151	1795	1654	1646	45428
CURIES	35	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	39
PBF												
VOLUME	845	61	62	57	58	60	60	62	63	58	52	1436
CURIES	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
PER												
VOLUME	**											**
CURIES	6											6
SMC												
VOLUME			8	1424	1962	3046	2812	3031	3122	3047	3141	21593
CURIES			<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TAN												
VOLUME	14331	651	173	332	660	645	632	492	191	182	191	18480
CURIES	53725	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	53725
TRA												
VOLUME	21455	1051	1076	1089	1199	1190	1069	1130	1140	1130	1155	32684
CURIES	5421763	4162	3288	2741	3140	2609	1682	3741	3284	3439	1495	5451343

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INEL RADIOACTIVE AIRBORNE WASTE DISCHARGES

RUN DATE: 05/10/94

RECORD-TO-DATE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
WER												
VOLUME				16	72	161	156	164	137	135	155	996
CURIES				<1	<1	<1	<1	<1	<1	<1		<1
MHC												
VOLUME					9	4	15			14	10	52
CURIES					<1	<1	<1			<1	<1	<1
TOTAL												
VOLUME	128622	12043	9636	12289	12220	13388	13514	13450	12963	12715	13150	253990
CURIES	13045298	4837	77262	14518	254948	173935	22370	24459	63879	24179	2719	13708402

VOLUME IN MILLIONS OF CUBIC METERS

** NOT AVAILABLE

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Radioactive Airborne Waste Discharges Record-to-Date

ANL 1984-1993 AIRBORNE EFFLUENT VOLUME & CURIES

□ VOLUME ■ CURIES

ARA 1984-1993 AIRBORNE EFFLUENT VOLUME & CURIES

□ VOLUME ■ CURIES

ARA SHUTDOWN IN SEPT. 1988-APR 1991

CFA 1984-1993 AIRBORNE EFFLUENT VOLUME & CURIES

□ VOLUME ■ CURIES

LABORATORY BEGAN OPERATION IN 1982
WITH NO CURIES DETECTED - CFA 1991

CPP 1984-1993 AIRBORNE EFFLUENT VOLUME & CURIES

□ VOLUME ■ CURIES

CPP 1991

INEL Radioactive Airborne Waste Discharges Record-to-Date

CTF 1984-1993 AIRBORNE
EFFLUENT VOLUME & CURIES

LOF 1984-1993 AIRBORNE
EFFLUENT VOLUME & CURIES

NRF 1984-1993 AIRBORNE
EFFLUENT VOLUME & CURIES

INEL Radioactive Airborne Waste Discharges Record-to-Date

PBF 1984-1993 AIRBORNE
EFFLUENT VOLUME & CURIES

SMC 1984-1993 AIRBORNE
EFFLUENT VOLUME & CURIES

SMC BEGAN RELEASING EFFLUENTS
IN 1985 - SMCAR

TAN 1984-1993 AIRBORNE
EFFLUENT VOLUME & CURIES

TANR 101

INEL Radioactive Airborne Waste Discharges Record-to-Date

TRA 1984-1993 AIRBORNE
EFFLUENT VOLUME & CURIES

WER 1984-1993 AIRBORNE
EFFLUENT VOLUME & CURIES

WMC 1984-1993 AIRBORNE
EFFLUENT VOLUME & CURIES

INEL RADIOACTIVE LIQUID WASTE DISCHARGES*

RUN DATE: 05/10/94

RECORD-TO-DATE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
ANL												
VOLUME	64	2	2	2	2	2	1	2	2	1	5	86
CURIES	21	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	23
ARA												
VOLUME	48	13		<1	2	1						65
CURIES	<1			<1	<1	<1						<1
CFA												
VOLUME	4402	176	166	104	89	62	117	154	192	160	44	5668
CURIES	39	5	4	3	2	1	2	2	3	3	<1	65
CPP												
VOLUME	40551	2092	2020	2183	2268	2140	1664	2357	2107	2433	2515	62331
CURIES	21285	13	393	251	216	89	<1	<1	2	<1	<1	22250
CTF												
VOLUME				71	22							93
CURIES				<1								<1
LOF												
VOLUME	2061	325	427									2813
CURIES	<1	<1	<1									<1
NRF												
VOLUME	1569									<1		1569
CURIES	349									<1		349
PBF												
VOLUME	9											9
CURIES	<1											<1
PER												
VOLUME	76											76
CURIES	155											155
TAN												
VOLUME	1991	79	51	73	82	81	67	58	90	116	24	2712
CURIES	58	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	61
TRA												
VOLUME	18724	61	78	94	70	70	73	71	99	88	71	19498
CURIES	51838 **	173	269	91	139	179	134	185	165	184	128	53485
HMC												
VOLUME	<1											<1
CURIES												

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INEL RADIOACTIVE LIQUID WASTE DISCHARGES*

RUN DATE: 05/10/94

RECORD-TO-DATE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
TOTAL												
VOLUME	69494	2749	2744	2529	2536	2357	1922	2642	2490	2799	2659	94920
CURIES	73745	191	667	346	357	270	137	189	170	187	130	76389

* VOLUME IN MILLION LITERS

**FOR THE YEARS 1962-70 THE SHORT-LIVED RADIOACTIVITY (LESS THAN 2-3 DAY HALF LIFE) WERE NOT REPORTED

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Radioactive Liquid Waste Discharge Record-to-Date

ANL 1984-1993 LIQUID EFFLUENT VOLUME & CURIES

ARA 1984-1993 LIQUID EFFLUENT VOLUME & CURIES

ARA REL. OFF FROM 81-86, NO ACTIVITY
DET IN 84 SHUTDOWN IN 9/86-AR1R291

CFA 1984-1993 LIQUID EFFLUENT VOLUME & CURIES

CFA1R291

INEL Radioactive Liquid Waste Discharge Record-to-Date

CPP 1984-1993 LIQUID EFFLUENT VOLUME & CURIES

CPP PROCESSING OPERATIONS WERE
SHUTDOWN IN 1988-CPP21981

CTF 1984-1993 LIQUID EFFLUENT VOLUME & CURIES

CTF RELEASED EFFLUENTS ONLY
IN 86 AND 87 - CTF21981

LOF 1984-1993 LIQUID EFFLUENT VOLUME & CURIES

LOF RELEASED EFFLUENTS
FROM 78-85 - LFWR201

INEL Radioactive Liquid Waste Discharge Record-to-Date

NRF 1984-1993 LIQUID
EFFLUENT VOLUME & CURIES

TAN 1984-1993 LIQUID
EFFLUENT VOLUME & CURIES

TRA 1984-1993 LIQUID
EFFLUENT VOLUME & CURIES

INEL SOLID RECORD-TO-DATE SUMMARY

DISPOSED WASTE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
ALE												
VOLUME	3544	442	592	306	309	204						5398
CURIES	473	37	71	10	840	50						1481
ANL												
VOLUME	7112	153	121	135	109	473	172	65	30	56	77	8503
CURIES	1111839	119289	126651	57382	204682	142614	463320	130511	82261	92896	87058	2618502
ARA												
VOLUME	381	16	17	1	20							435
CURIES	4017	2	5	<1	<1							4025
BEN												
VOLUME				<1								<1
CURIES				<1								<1
BNL												
VOLUME	5											5
CURIES	<1											<1
CEG												
VOLUME											22	22
CURIES											1967	1967
CFA												
VOLUME	2429	37	9	16	4	5	4	45			84	2633
CURIES	381	<1	<1	<1	4	<1	<1	<1			<1	385
CPP												
VOLUME	25941	1817	807	948	1151	578	513	752	544	129	7	33187
CURIES	613408	301	112	214	218	192	115	211	24	2	<1	614798
CTF												
VOLUME				805	251	27					54	1138
CURIES				277	25	<1					<1	303
D+D												
VOLUME	2023	293	34	53	8	95	24	21	58	185	344	3137
CURIES	5689	3	<1	<1	<1	<1	<1	<1	<1	<1	2	5695
LOF												
VOLUME	13	11	49									73
CURIES	<1	2	<1									3
NRF												
VOLUME	19778	416	347	270	171	111	134	419	270	159	146	22222
CURIES	3650802	365125	141753	35930	29665	6732	126486	74087	102849	49795	42259	4625484

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DISPOSED WASTE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
PBF												
VOLUME	513	239	121	4	45	29						950
CURIES	7	181	371	<1	11	3						573
PER												
VOLUME	499				4		6		2			510
CURIES	24				<1		<1		<1			24
RFO												
VOLUME	73124											73124
CURIES	256010											256010
SMC												
VOLUME				43	7	53	21		24	50		198
CURIES				<1	<1	<1	<1		<1	<1		1
TAN												
VOLUME	7993	219	237	235	224	56	76	43	24	87	82	9275
CURIES	101441	2	17	17	359	1	67	2658	<1	347	216	105124
TRA												
VOLUME	14281	261	613	387	219	158	62	37	72	179	28	16298
CURIES	3866659	1098	2452	1253	11631	147	77	68	2430	909	298152	4184878
WER												
VOLUME			192	199	273	254	328	359	248		7	1861
CURIES			<1	<1	<1	<1	<1	6	3		<1	10
WMC												
VOLUME	19778	<1		35	177		23	22				20036
CURIES	60926	<1		<1	83		<1	<1				61009
OTHER*												
VOLUME	1365											1365
CURIES	2434											2434
OFFSITE												
VOLUME	6501											6501
CURIES	37734											37734
SL-1												
VOLUME	2319											2319
CURIES	599											599

INEL-21

INEL SOLID RECORD-TO-DATE SUMMARY

DISPOSED WASTE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
-----------	-----------	------	------	------	------	------	------	------	------	------	------	-------

TOTAL

VOLUME#	187599	3906	3140	3437	2969	2045	1364	1762	1272	844	852	209190
CURIES#	9712441	486041	271433	95084	247519	149740	590065	207541	187566	143948	429654	12521033

VOLUME IN CUBIC METERS

#ML-1,GCRF,OMRE

#FACILITY TOTALS (EXCEPT FOR RFO) DO NOT INCLUDE DATA FOR 1952-1960:

THIS INFORMATION (18460 CUBIC METERS AND 60920 CURIES) IS REPORTED IN LUMP SUM UNDER WMC FOR 1960

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Solid Record-to-Date Summary Disposed Waste

ALE 1984-1993 SOLID DISPOSED WASTE VOLUME & CURIES

ANL 1984-1993 SOLID DISPOSED WASTE VOLUME & CURIES

ARA 1984-1993 SOLID DISPOSED WASTE VOLUME & CURIES

BEN 1984-1993 SOLID DISPOSED WASTE VOLUME & CURIES

INEL Solid Record-to-Date Summary Disposed Waste

CEG 1984-1993 SOLID DISPOSED
SOLID WASTE VOLUME & CURIES

CFA 1984-1993 SOLID DISPOSED
WASTE VOLUME & CURIES

CPP 1984-1993 SOLID DISPOSED
WASTE VOLUME & CURIES

CTF 1984-1993 SOLID DISPOSED
WASTE VOLUME & CURIES

CTF DISPOSED OF WASTE
ONLY IN 1986 - CTR301

INEL Solid Record-to-Date Summary Disposed Waste

D+D 1984-1993 SOLID DISPOSED WASTE VOLUME & CURIES

LOF 1984-1993 SOLID DISPOSED WASTE VOLUME & CURIES

NRF 1984-1993 SOLID DISPOSED WASTE VOLUME & CURIES

PBF 1984-1993 SOLID DISPOSED WASTE VOLUME & CURIES

INEL Solid Record-to-Date Summary Disposed Waste

PER 1984-1993 SOLID DISPOSED
WASTE VOLUME & CURIES

SMC 1984-1993 SOLID DISPOSED
SOLID WASTE VOLUME & CURIES

TAN 1984-1993 SOLID DISPOSED
WASTE VOLUME & CURIES

INEL Solid Record-to-Date Summary Disposed Waste

TRA 1984-1993 SOLID DISPOSED
WASTE VOLUME & CURIES

WER 1984-1993 SOLID DISPOSED
WASTE VOLUME & CURIES

WMC 1984-1993 SOLID DISPOSED
WASTE VOLUME & CURIES

INEL SOLID RECORD-TO-DATE SUMMARY

RUN DATE: 05/10/94

STORED WASTE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
ANL STORAGE												
VOLUME	87	<1	<1	1	<1	<1	<1	1		<1	<1	93
CURIES	9921761	5356	15468	11897	16010	28962	44496	2774		39741	1165	10087630
ILTSF												
VOLUME	50	<1	<1		8	5		12			6	80
CURIES	2646	49	2258		1524	3913		120			60	10570
TSA												
VOLUME	50871	3343	3375	3126	2091	1068	872	2	4	<1		64752
CURIES	332241	35070	37793	43211	24265	10612	6623	34	40	<1		489889
WCF												
VOLUME	2796	100			118	322	7	26	177		197	3742
CURIES	71166976	1777000			3359000	8566000		1680	1603000		1141140	87614796
TOTAL												
VOLUME	53803	3444	3376	3128	2217	1395	880	41	181	<1	203	68668
CURIES	81423616	1817474	55520	55108	3400798	8609486	51118	4607	1603039	39741	1142364	98202872

VOLUME IN CUBIC METERS

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Record-to-Date Summary Stored Waste

INEL-29

1984-1993 ANL STORAGE AREA SOLID STORED WASTE VOLUME & CURIES

1984-1993 INTERMEDIATE LEVEL TRANSURANIC STORAGE FACILITY SOLID STORED WASTE VOLUME & CURIES

NO WASTE SENT TO ILTSF IN 1986, 1989, 1991, AND 1992

1984-1993 TRANSURANIC STORAGE AREA (TSA) SOLID STORED WASTE VOLUME & CURIES

1984-1993 WASTE CALCINING FACILITY SOLID STORED WASTE VOLUME & CURIES

OPP SENT NO CALCINED SOLIDS TO STORAGE IN 1985 AND 1986. 1989 VOLUME A RESULT OF IRON/NO DUCTIVE CALCINE RUN

INEL SOLID RECORD-TO-DATE SUMMARY

ANL STORAGE WASTE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
ANL												
VOLUME	86	<1	<1	1	<1	<1	<1	1		<1	<1	93
CURIES	9921705	5356	15468	11897	16010	28962	44496	2774		39741	1165	10087574
TRA												
VOLUME	<1											<1
CURIES	<1											<1
TOTAL												
VOLUME	87	<1	<1	1	<1	<1	<1	1		<1	<1	93
CURIES	9921705	5356	15468	11897	16010	28962	44496	2774		39741	1165	10087574

VOLUME IN CUBIC METERS

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Solid Record-to-Date Summary ANL Storage Waste

1984-1993 ANL STORAGE AREA SOLID
STORED WASTE VOLUME & CURIES

ANL-OR-91

INEL SOLID RECORD-TO-DATE SUMMARY

RUN DATE: 05/10/94

ILTSF WASTE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
ALE												
VOLUME	38				7	3		12			6	66
CURIES	233				95	42		120			60	549
ANL												
VOLUME	3	<1	<1		<1	1						5
CURIES	1485	49	2258		1429	3268						8489
BET												
VOLUME						<1						<1
CURIES						604						604
CPP												
VOLUME	6											6
CURIES	847											847
NRF												
VOLUME	3											3
CURIES	81											81
TOTAL												
VOLUME	50	<1	<1		8	5		12			6	80
CURIES	2646	49	2258		1524	3913		120			60	10570
VOLUME IN CUBIC METERS												

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

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INEL Solid Record-to-Date Summary ILTSF Waste

INEL-33

ALE 1984-1993 INTERMEDIATE LEVEL TRANSURANIC STORAGE FACILITY SOLID WASTE VOLUME & CURIES

ANL 1984-1993 INTERMEDIATE LEVEL TRANSURANIC STORAGE FACILITY SOLID WASTE VOLUME & CURIES

BET 1984-1993 INTERMEDIATE LEVEL TRANSURANIC STORAGE FACILITY SOLID WASTE VOLUME & CURIES

TRA 1984-1993 INTERMEDIATE LEVEL TRANSURANIC STORAGE FACILITY SOLID WASTE VOLUME & CURIES

INEL SOLID RECORD-TO-DATE SUMMARY

RUN DATE: 05/10/94

TSA WASTE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
ALE												
VOLUME	1372	37	20	36	5							1471
CURIES	6932	772	28	508	12							8253
ANL												
VOLUME	7	<1	5	6	9	4	6	1	<1	<1		39
CURIES	93	1	192	125	212	59	126	23	<1	<1		832
ARA												
VOLUME	10											10
CURIES	21											21
BCL												
VOLUME	214											214
CURIES	180											180
BEN												
VOLUME				<1								<1
CURIES				19								19
BET												
VOLUME	429		<1		4							433
CURIES	895		62		26							984
CFA												
VOLUME	<1											<1
CURIES	<1											<1
CPP												
VOLUME	41	2										43
CURIES	148	195										342
CTF												
VOLUME					<1							<1
CURIES					1							1
D+D												
VOLUME								<1				<1
CURIES								3				3
MRC												
VOLUME	3532	10	76		126	87						3831
CURIES	66826	882	55		104	1527						69394
NRF												
VOLUME	3							<1				4
CURIES	331							8				339

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TSA WASTE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
RFO												
VOLUME	40852	3293	3273	3084	1945	977	866		3			54294
CURIES	235475	33216	37450	42309	23817	9026	6497		40			387830
TAN												
VOLUME	<1											<1
CURIES	16											16
TRA												
VOLUME	7	<1	<1	<1	<1							8
CURIES	1630	3	7	250	90							1980
WMC												
VOLUME	4403				1							4404
CURIES	19736				3							19739
TOTAL												
VOLUME	50871	3343	3375	3126	2091	1068	872	2	4	<1		64753
CURIES	332285	35070	37793	43211	24265	10612	6623	34	40	<1		489933

VOLUME IN CUBIC METERS

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

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INEL Solid Record-to-Date Summary TSA Waste

ALE 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES ANL 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES BEN 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES BET 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

INEL Solid Record-to-Date Summary TSA Waste

CPP 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

CTF 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

D&D 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

MRC 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

INEL Solid Record-to-Date Summary TSA Waste

NRF 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

RFO 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

TRA 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

WMC 1984-1993 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

SCHEDULE NO. P61PM022-F

CPP HIGH-LEVEL LIQUID/SOLID WASTE STORAGE

RUN DATE: 05/10/94

RECORD-TO-DATE

TYPE/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
LIQUID WASTE TO LIQUID WASTE TANKS												
VOLUME	26594064											26594064
CURIES	378679040											378679040
LIQUID WASTE TO CALCINER												
VOLUME	19653168	26473248			856257	2275040		181700	1627800		1139800	52207008
CALCINED SOLIDS TO STORAGE												
VOLUME	2796	100			118	322	7	26	177		197	3742
CURIES	71167040	1777000			3359000	8566000		1680	1603000		1141140	87614864

LIQUID VOLUME IN LITERS
SOLID VOLUME IN CUBIC METERS

LIQUID WASTES WERE GENERATED BEGINNING IN 1953;
HOWEVER, THE WASTE CALCINATION PROCESS DID NOT BEGIN UNTIL 1963.

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CPP High-Level Liquid/Solid Waste Storage Record-to-Date

INEL-40

CPP HIGH-LEVEL LIQUID/SOLID WASTE STORAGE
1984-1993 LIQUID WASTE TO CALCINER

CPP PROCESSING OPERATIONS WERE
SHUTDOWN IN 1988-CRITICAL

CPP HIGH-LEVEL LIQUID/SOLID WASTE STORAGE
1984-1993 CALCINED SOLIDS TO STORAGE

CP-CALSD

INEL SOLID RECORD-TO-DATE SUMMARY

RUN DATE: 06/20/94

MERF WASTE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
ANL												
VOLUME			37	84	115	231	221	150	106	81		1026
CURIES			<1	<1	<1	<1	<1	<1	<1	<1		2
ARA												
VOLUME			<1	6		27						34
CURIES			<1	<1		<1						<1
CFA												
VOLUME		10	90	78	104	66	37	74	<1	3	20	483
CURIES		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
CPP												
VOLUME			245	898	1095	1005	1094	1439	892	77	55	6800
CURIES			<1	2	4	4	4	7	3	<1	<1	24
CTF												
VOLUME				91								91
CURIES				<1								<1
D+D												
VOLUME		57	3	342			2	4	103	5	53	571
CURIES		<1	<1	<1			<1	<1	<1	<1	<1	<1
LOF												
VOLUME			77									77
CURIES			<1									<1
NRF												
VOLUME			173	367	572	1119	674	1002	556	389	291	5143
CURIES			<1	<1	<1	2	2	4	7	2	2	19
PBF												
VOLUME				9	30	6	<1	12				58
CURIES				<1	<1	<1	<1	<1				<1
PER												
VOLUME			<1	7			16	3		1	26	53
CURIES			<1	<1			<1	<1		<1	<1	<1
SMC												
VOLUME				38	130	178	225	186	181			938
CURIES				<1	<1	<1	<1	<1	<1			<1
TAN												
VOLUME			308	278	192	92	104	57	37			1067
CURIES			<1	<1	<1	<1	<1	<1	<1			<1

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INEL SOLID RECORD-TO-DATE SUMMARY

RUN DATE: 06/20/94

WERF WASTE

AREA/YEAR	1952-1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	TOTAL
TRA												
VOLUME		11	340	257	286	244	290	246	184	586		2441
CURIES		<1	<1	<1	<1	<1	<1	1	6	17		24
MMC												
VOLUME				2	4			6	6			19
CURIES				<1	<1			<1	<1			<1
TOTAL												
VOLUME		78	1275	2458	2529	2967	2663	3179	2066	1142	446	18802
CURIES		<1	1	2	5	6	6	13	17	19	2	71

VOLUME IN CUBIC METERS

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Solid Record-to-Date Summary WERF Waste

ANL 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

ARA 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

CFA 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

CPP 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

INEL Solid Record-to-Date Summary WERF Waste

CTF 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

D+D 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

LOF 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

NRF 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

INEL Solid Record-to-Date Summary WERF Waste

PBF 1984-1993 SOLID WASTE SENT TO WERF
WASTE VOLUME & CURIES

PER 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

SMC 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

INEL Solid Record-to-Date Summary WERF Waste

TAN 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

TRA 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

WMC 1984-1993 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

INEL Record-to-Date Decay Summaries

INEL Airborne Waste Decay Data and Bar Graph	INEL-49
INEL Liquid Waste Decay Data and Bar Graph	INEL-50
INEL Solid Disposed Waste Decay Data and Bar Graph	INEL-51

INEL

AIRBORNE WASTE DECAY DATA

YEAR	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES		CURIES REMAINING		CURIES REMAINING
1962*	4331997	8714758	357314	8%	187740	4%
1984	4837	<1	247	5%	139	3%
1985	77262	<1	38042	49%	19930	26%
1986	14518	<1	6658	46%	3489	24%
1987	254947	0	164954	65%	86418	34%
1988	173935	<1	118465	68%	62066	36%
1989	22370	<1	14554	65%	7622	34%
1990	24459	<1	15526	63%	8132	33%
1991	63879	0	50568	79%	26485	41%
1992	24179	0	18915	78%	9961	41%
1993	2719	0	218	8%	119	4%

* INCLUDES 1962 - 1983

DATA FOR 1962 - 1970 APPLIES TO DISCHARGES ONLY FROM CPP, TRA, AND ANL.

DATA AFTER 1970, APPLIES TO ALL INEL FACILITIES.

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL 1984-1993 AIRBORNE DECAY SUMMARY IN CURIES
DECAYED VALUE FOR IDENTIFIED NUCLIDES
ON 12/31/93

LIQUID WASTE DECAY DATA

YEAR	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES	CURIES REMAINING		CURIES REMAINING	
1962*	44444	29310	6262	14%	3601	8%
1984	191	<1	106	55%	60	32%
1985	667	<1	414	62%	236	35%
1986	346	<1	216	62%	123	35%
1987	357	0	240	67%	137	38%
1988	270	0	194	72%	110	41%
1989	137	0	100	73%	57	42%
1990	189	0	152	80%	86	46%
1991	170	0	146	86%	83	49%
1992	187	0	168	90%	95	51%
1993	130	0	122	94%	69	53%

* INCLUDES 1962 - 1983

DATA FOR 1962 - 1970 APPLIES TO DISCHARGES ONLY FROM CPP, TRA, AND NRF.
DATA AFTER 1970, APPLIES TO ALL INEL FACILITIES.

INEL 1984-1993 LIQUID DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED
NUCLIDES ON 12/31/93

SOLID DISPOSED WASTE DECAY DATA

YEAR	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	4532433	5180572	178965	4%	96251	2%
1984	485687	355	210986	43%	167154	34%
1985	271119	316	91180	34%	67705	25%
1986	94919	165	27313	29%	18382	19%
1987	241678	5841	35965	15%	18906	8%
1988	149587	155	12061	8%	5180	3%
1989	590003	64	290786	49%	124411	21%
1990	207530	13	104468	50%	50738	24%
1991	187565	4	94867	51%	46172	25%
1992	143949	0	108817	76%	42647	30%
1993	429654	0	404292	94%	207769	48%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL 1984-1993 SOLID DISPOSED DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED
NUCLIDES ON 12/31/93

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SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	185	288	19	10%	8	5%
1984	<1	36	<1	66%	<1	57%
1985	52	19	32	62%	22	42%
1986	4	6	3	71%	2	55%
1987	837	3	581	69%	331	39%
1988	50	<1	37	75%	22	44%
TOTALS	1128	353	672	60%	385	34%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

ALE 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	32615	12662	640	2%	336	1%
1984	250	0	18	7%	10	4%
1985	916	0	5	<1%	3	<1%
1986	932	<1	5	<1%	3	<1%
1987	889	0	6	<1%	3	<1%
1988	618	<1	3	<1%	1	<1%
1989	686	<1	1	<1%	<1	<1%
1990	716	<1	2	<1%	1	<1%
1991	551	0	2	<1%	<1	<1%
1992	739	0	170	23%	143	19%
1993	1160	0	157	14%	84	7%
TOTALS	40073	12662	1009	3%	586	1%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

ANL 1984-1993 AIRBORNE DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	2	19	<1	47%	<1	28%
1984	<1	0	<1	59%	<1	33%
1985	<1	0	<1	63%	<1	36%
1986	<1	0	<1	66%	<1	38%
1987	<1	0	<1	70%	<1	40%
1988	<1	0	<1	74%	<1	42%
1989	<1	0	<1	76%	<1	43%
1990	<1	0	<1	83%	<1	47%
1991	<1	0	<1	87%	<1	49%
1992	<1	0	<1	93%	<1	53%
1993	<1	0	<1	98%	<1	56%
TOTALS	4	19	2	61%	1	35%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	1061535	50388	8585	<1%	3117	<1%
1984	119270	20	5346	4%	1562	1%
1985	126476	177	7952	6%	2137	2%
1986	57325	57	5246	9%	1466	3%
1987	204634	50	13868	7%	3633	2%
1988	142488	128	7506	5%	1870	1%
1989	463273	48	195552	42%	52202	11%
1990	130505	7	49734	38%	13076	10%
1991	82261	<1	36632	45%	9623	12%
1992	92898	0	70663	76%	18346	20%
1993	87058	0	74327	85%	16879	19%
TOTALS	2567722	50875	475410	19%	123913	5%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

ANL 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

[Hatched Box] DISPOSED
 [Solid Black Box] DECAYED ON 12/31/93
 [White Box] DECAYED ON 12/31/03

AUXILIARY REACTOR AREA

RUN DATE: 05/17/94

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	<1	<1	<1	<1%	<1	<1%
1984	<1	<1	<1	<1%	<1	<1%
1985	<1	<1	<1	4%	<1	4%
1986	<1	<1	<1	65%	<1	52%
1987	<1	0	<1	1%	<1	<1%
1988	<1	0	<1	3%	<1	2%
TOTALS	<1	<1	<1	<1%	<1	<1%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

AUXILIARY REACTOR AREA

RUN DATE: 05/17/94

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	<1	<1	0	0%	0	0%
1984	0	0	0	0%	0	0%
1986	<1	0	<1	12%	<1	10%
1987	<1	0	0	0%	0	0%
1988	<1	0	0	0%	0	0%
TOTALS	<1	<1	<1	<1%	<1	<1%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	541	3477	168	31%	154	29%
1984	<1	2	<1	62%	<1	53%
1985	4	<1	2	48%	2	37%
1986	<1	<1	<1	49%	<1	37%
1987	0	<1	0	0%	0	0%
TOTALS	545	3480	170	31%	156	29%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

ARA 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1986	<1	0	<1	80%	<1	69%
TOTALS	<1	0	<1	80%	<1	69%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	<1	0	<1	54%	<1	30%
TOTALS	<1	0	<1	54%	<1	30%
* INCLUDES 1962 - 1983						

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CENTRAL FACILITIES

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	<1	<1	<1	35%	<1	24%
1984	<1	<1	<1	35%	<1	20%
1985	<1	<1	<1	42%	<1	23%
1986	<1	<1	<1	29%	<1	17%
1987	<1	0	<1	10%	<1	4%
1988	<1	0	<1	18%	<1	7%
1989	<1	0	<1	20%	<1	8%
1990	<1	0	<1	17%	<1	7%
1991	<1	0	<1	14%	<1	7%
1992	<1	0	<1	5%	<1	3%
1993	<1	0	<1	2%	<1	2%
TOTALS	<1	<1	<1	20%	<1	11%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CENTRAL FACILITIES

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	AMOUNT (CURIES) IDENTIFIED NUCLIDES	AT RELEASE UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
1962*	19	20	10	51%	6	29%
1984	5	0	3	58%	2	33%
1985	4	0	3	62%	2	35%
1986	3	0	2	66%	1	37%
1987	2	0	2	69%	<1	39%
1988	1	0	<1	73%	<1	42%
1989	2	0	2	78%	<1	44%
1990	2	0	2	82%	1	47%
1991	3	0	2	87%	1	50%
1992	3	0	3	91%	2	52%
1993	<1	0	<1	97%	<1	55%
TOTALS	45	20	28	63%	16	36%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CFA 1984-1993 LIQUID DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

▨ DISPOSED ■ DECAYED ON 12/31/91 ▩ DECAYED ON 12/31/01

CENTRAL FACILITIES

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	186	196	40	22%	18	10%
1984	0	<1	0	0%	0	0%
1985	<1	<1	<1	99%	<1	98%
1986	0	<1	0	0%	0	0%
1987	0	4	0	0%	0	0%
1988	0	<1	0	0%	0	0%
1989	0	<1	0	0%	0	0%
1990	<1	0	<1	77%	<1	40%
1992	<1	0	<1	96%	<1	68%
1993	<1	0	<1	99%	<1	65%
TOTALS	186	200	40	22%	18	10%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

Combustion Engineering - General Atomics

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1993	1967	0	1892	96%	1076	55%
TOTALS	1967	0	1892	96%	1076	55%
* INCLUDES 1962 - 1983						

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CHEMICAL PROCESSING PLANT

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES	CURIES REMAINING		CURIES REMAINING	
1962*	1239535	6285051	356668	29%	187400	15%
1984	398	0	229	57%	129	33%
1985	64279	0	38030	59%	19924	31%
1986	10845	0	6652	61%	3486	32%
1987	250918	0	164945	66%	86413	34%
1988	170708	0	118462	69%	62064	36%
1989	20002	0	14552	73%	7621	38%
1990	20002	0	15524	78%	8130	41%
1991	60043	0	50566	84%	26484	44%
1992	20000	0	18745	94%	9817	49%
1993	62	0	60	97%	34	55%
TOTALS	1856787	6285051	784434	42%	411502	22%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CPP 1984-1993 AIRBORNE DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	19803	1484	3984	20%	2280	12%
1984	13	0	7	58%	4	33%
1985	393	0	249	63%	142	36%
1986	251	0	162	65%	92	37%
1987	216	0	149	69%	85	39%
1988	89	0	65	73%	37	42%
1989	<1	0	<1	44%	<1	31%
1990	<1	0	<1	78%	<1	47%
1991	2	0	2	86%	1	49%
1992	<1	0	<1	89%	<1	51%
1993	<1	0	<1	49%	<1	35%
TOTALS	20769	1484	4620	22%	2642	13%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CPP 1984-1993 LIQUID DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

CHEMICAL PROCESSING PLANT

RUN DATE: 05/17/94

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	488990	124598	30592	6%	16622	3%
1984	275	26	45	16%	35	13%
1985	97	15	17	17%	13	13%
1986	184	30	32	17%	24	13%
1987	185	33	61	33%	45	24%
1988	176	15	34	19%	25	14%
1989	102	13	21	20%	15	14%
1990	211	0	45	21%	31	15%
1991	24	0	6	24%	4	15%
1992	2	0	<1	28%	<1	15%
1993	<1	0	<1	45%	<1	16%
TOTALS	490246	124731	30853	6%	16813	3%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CPP 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

CONTAINMENT TEST FACILITY

RUN DATE: 05/17/94

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1986	<1	0	<1	60%	<1	31%
1987	0	0	0	0%	0	0%
TOTALS	<1	0	<1	60%	<1	31%
* INCLUDES 1962 - 1983						

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CONTAINMENT TEST FACILITY

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1986	<1	0	<1	84%	<1	66%
1987	0	0	0	0%	0	0%
TOTALS	<1	0	<1	84%	<1	66%
* INCLUDES 1962 - 1983						

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1986	242	35	66	27%	23	10%
1987	20	6	8	40%	2	11%
1988	0	<1	0	0%	0	0%
1993	<1	0	<1	96%	<1	60%
TOTALS	262	41	74	28%	25	10%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CTF 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

INEL-73

DECONTAMINATION AND DECOMMISSIONING

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	5631	58	2910	52%	1775	32%
1984	1	2	<1	56%	<1	37%
1985	<1	<1	<1	33%	<1	9%
1986	<1	<1	<1	100%	<1	100%
1987	<1	<1	<1	70%	<1	52%
1988	<1	0	<1	46%	<1	12%
1989	<1	0	<1	74%	<1	44%
1990	<1	0	<1	88%	<1	69%
1991	<1	0	<1	92%	<1	70%
1992	<1	0	<1	97%	<1	77%
1993	2	0	2	98%	1	64%
TOTALS	5635	60	2913	52%	1776	32%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

D+D 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	4	<1	<1	<1%	<1	<1%
1984	27	0	<1	<1%	<1	<1%
1985	8780	0	6	<1%	3	<1%
TOTALS	8810	<1	6	<1%	3	<1%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

LOF 1984-1993 AIRBORNE DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

LOSS-OF-FLUID TEST FACILITY

RUN DATE: 05/17/94

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES	CURIES REMAINING		CURIES REMAINING	
1962*	<1	<1	<1	39%	<1	31%
1984	<1	0	<1	16%	<1	4%
1985	<1	<1	<1	54%	<1	38%
TOTALS	<1	<1	<1	39%	<1	26%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	<1	<1	<1	17%	<1	4%
1984	2	<1	<1	13%	<1	4%
1985	<1	<1	<1	27%	<1	16%
TOTALS	2	<1	<1	15%	<1	5%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

LOF 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

NAVAL REACTORS FACILITY

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	35	<1	5	13%	3	9%
1984	<1	<1	<1	94%	<1	90%
1985	<1	<1	<1	95%	<1	91%
1986	<1	0	<1	88%	<1	84%
1987	<1	0	<1	86%	<1	73%
1988	<1	0	<1	82%	<1	59%
1989	<1	0	<1	96%	<1	89%
1990	<1	0	<1	95%	<1	86%
1991	<1	0	<1	89%	<1	58%
1992	<1	0	<1	44%	<1	36%
1993	1	0	<1	75%	<1	73%
TOTALS	39	<1	8	21%	6	16%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

NAVAL REACTORS FACILITY

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE IDENTIFIED UNIDENTIFIED NUCLIDES NUCLIDES	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING
1962*	208	142	18 9%
1992	<1	0	<1 51%
TOTALS	208	142	18 9%
* INCLUDES 1962 - 1983			

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

NAVAL REACTORS FACILITY

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	555513	3095387	65529	12%	41779	8%
1984	365127	0	205489	56%	165499	45%
1985	141754	0	82776	58%	65245	46%
1986	35930	0	21878	61%	16819	47%
1987	29665	0	18780	63%	14097	48%
1988	6732	0	4481	67%	3262	48%
1989	126487	<1	95157	75%	72150	57%
1990	74089	0	52260	71%	35708	48%
1991	102852	0	57316	56%	36327	35%
1992	49795	0	37545	75%	23999	48%
1993	42260	0	38752	92%	24652	58%
TOTALS	1530199	3095387	679964	44%	499537	33%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

NRF 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	<1	<1	<1	27%	<1	22%
1984	<1	<1	<1	57%	<1	45%
1985	<1	<1	<1	31%	<1	24%
1986	<1	<1	<1	48%	<1	38%
1987	<1	0	0	0%	0	0%
1988	<1	0	<1	5%	<1	4%
1989	<1	0	<1	50%	<1	40%
1990	<1	0	<1	5%	<1	4%
1991	<1	0	<1	46%	<1	36%
1992	<1	0	<1	28%	<1	22%
1993	<1	0	<1	1%	<1	<1%
TOTALS	<1	<1	<1	28%	<1	22%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

POWER BURST FACILITY

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	<1	<1	<1	49%	<1	39%
TOTALS	<1	<1	<1	49%	<1	39%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	<1	7	<1	94%	<1	91%
1984	0	181	0	0%	0	0%
1985	367	4	263	72%	207	56%
1986	0	<1	0	0%	0	0%
1987	8	3	4	44%	<1	12%
1988	<1	2	<1	47%	<1	13%
TOTALS	376	197	267	71%	208	55%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

PBF 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

□ DISPOSED ■ DECAYED ON 12/31/93 ▨ DECAYED ON 12/31/03

PBF HAD NO IDENTIFIED NUCLIDES IN 81, 83,
84, 86 OR 88 THRU 93

ROCKY FLATS PLANT

RUN DATE: 05/17/94

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	4870	251140	4791	98%	4784	98%
TOTALS	4870	251140	4791	98%	4784	98%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SPECIAL MANUFACTURING CAPABILITY

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1985	<1	0	<1	43%	<1	43%
1986	<1	0	<1	43%	<1	43%
1987	<1	0	<1	22%	<1	22%
1988	<1	0	<1	43%	<1	43%
1989	<1	0	<1	36%	<1	36%
1990	<1	0	<1	36%	<1	36%
1991	<1	0	<1	36%	<1	36%
1992	<1	0	<1	36%	<1	36%
1993	<1	0	<1	40%	<1	36%
TOTALS	<1	0	<1	30%	<1	30%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SPECIAL MANUFACTURING CAPABILITY

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1986	<1	0	<1	100%	<1	100%
1987	<1	0	<1	100%	<1	100%
1988	<1	0	<1	100%	<1	100%
1989	<1	0	<1	100%	<1	100%
1991	<1	0	<1	100%	<1	100%
1992	<1	0	<1	100%	<1	100%
TOTALS	1	0	1	100%	1	100%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	0	6	0	0%	0	0%
TOTALS	0	6	0	%	0	%
* INCLUDES 1962 - 1983						

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SPECIAL POWER EXCURSION REACTOR TEST

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	<1	155	<1	28%	<1	23%
TOTALS	<1	155	<1	28%	<1	23%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	5	19	<1	10%	<1	6%
1987	<1	<1	<1	100%	<1	100%
1989	0	<1	0	0%	0	0%
1991	<1	0	<1	82%	<1	48%
1993	<1	0	<1	97%	<1	71%
TOTALS	5	19	<1	10%	<1	6%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TEST AREA NORTH

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	<1	53724	<1	48%	<1	25%
1984	<1	<1	<1	71%	<1	56%
1985	<1	<1	<1	42%	<1	33%
1986	<1	<1	<1	10%	<1	8%
1987	<1	0	<1	56%	<1	32%
1988	<1	0	<1	32%	<1	25%
1989	<1	0	<1	45%	<1	36%
1990	<1	0	<1	18%	<1	14%
1991	<1	0	<1	18%	<1	14%
1992	<1	0	<1	<1%	<1	<1%
1993	<1	0	<1	32%	<1	23%
TOTALS	<1	53724	<1	48%	<1	25%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	19	39	6	31%	3	18%
1984	<1	<1	<1	59%	<1	33%
1985	<1	<1	<1	60%	<1	34%
1986	<1	0	<1	63%	<1	37%
1987	<1	0	<1	<1%	<1	<1%
1988	<1	0	<1	9%	<1	5%
1989	<1	0	<1	70%	<1	40%
1990	<1	0	<1	68%	<1	39%
1991	<1	0	<1	84%	<1	48%
1992	<1	0	<1	87%	<1	50%
1993	2	0	2	97%	1	55%
TOTALS	22	39	8	38%	5	22%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TEST AREA NORTH

RUN DATE: 05/17/94

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	18690	82753	6802	36%	6458	35%
1984	0	2	0	0%	0	0%
1985	0	17	0	0%	0	0%
1986	1	16	<1	85%	<1	67%
1987	11	347	7	64%	4	38%
1988	<1	1	<1	52%	<1	19%
1989	66	<1	56	85%	44	66%
1990	2658	0	2425	91%	1921	72%
1991	<1	0	<1	91%	<1	67%
1992	347	0	327	94%	254	73%
1993	216	0	208	96%	157	73%
TOTALS	21989	83137	9826	45%	8839	40%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TAN 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	3059811	2363315	2	<1%	1	<1%
1984	4162	<1	<1	<1%	<1	<1%
1985	3288	<1	<1	<1%	<1	<1%
1986	2741	<1	<1	<1%	<1	<1%
1987	3140	0	2	<1%	1	<1%
1988	2609	0	<1	<1%	<1	<1%
1989	1682	0	<1	<1%	<1	<1%
1990	3741	0	<1	<1%	<1	<1%
1991	3284	0	<1	<1%	<1	<1%
1992	3439	0	<1	<1%	<1	<1%
1993	1495	0	<1	<1%	<1	<1%
TOTALS	3089385	2363315	4	<1%	2	<1%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TRA 1984-1993 AIRBORNE DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

TEST REACTOR AREA

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES	CURIES REMAINING		CURIES REMAINING	
1962*	24394	27451	2231	9%	1293	5%
1984	173	<1	95	55%	54	31%
1985	269	0	162	60%	92	34%
1986	91	<1	51	56%	29	32%
1987	139	0	89	64%	51	37%
1988	179	0	127	71%	72	40%
1989	134	0	98	73%	56	42%
1990	185	0	149	80%	85	46%
1991	165	0	141	85%	80	49%
1992	184	0	165	90%	94	51%
1993	128	0	120	94%	68	53%
TOTALS	26041	27451	3430	13%	1974	8%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TRA 1984-1993 LIQUID DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	2396315	1470582	59524	2%	21532	<1%
1984	1013	85	105	10%	57	6%
1985	2369	83	138	6%	80	3%
1986	1233	20	87	7%	46	4%
1987	6237	5394	2576	41%	713	11%
1988	139	8	1	1%	<1	<1%
1989	75	2	1	2%	<1	<1%
1990	68	<1	5	7%	1	2%
1991	2430	0	914	38%	218	9%
1992	909	0	283	31%	47	5%
1993	298152	0	289111	97%	165004	55%
TOTALS	2708936	1476172	352746	13%	187699	7%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TRA 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

▨ DISPOSED ■ DECAYED ON 12/31/93 ▩ DECAYED ON 12/31/03

WASTE EXPERIMENTAL REDUCTION FACILITY

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1986	<1	<1	<1	27%	<1	21%
1987	<1	0	<1	33%	<1	26%
1988	<1	0	<1	31%	<1	25%
1989	<1	0	<1	6%	<1	5%
1990	<1	0	<1	9%	<1	7%
1991	<1	0	<1	40%	<1	29%
1992	<1	0	<1	7%	<1	6%
1993	0	0	0	50%	0	39%
TOTALS	<1	<1	<1	30%	<1	23%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1985	0	<1	0	0%	0	0%
1986	0	<1	0	0%	0	0%
1987	0	<1	0	0%	0	0%
1988	0	<1	0	0%	0	0%
1989	0	<1	0	0%	0	0%
1990	0	6	0	0%	0	0%
1991	0	3	0	0%	0	0%
1993	<1	0	<1	94%	<1	53%
TOTALS	<1	10	<1	94%	<1	53%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

WASTE MANAGEMENT COMPLEX

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES	CURIES REMAINING		CURIES REMAINING	
1987	<1	0	<1	3%	<1	2%
1988	<1	0	0	0%	0	0%
1989	<1	0	0	0%	0	0%
1992	<1	0	0	0%	0	0%
1993	<1	0	0	0%	0	0%
TOTALS	<1	0	<1	<1%	<1	<1%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	0	0	0	0%	0	0%
TOTALS	0	0	0	%	0	%
* INCLUDES 1962 - 1983						

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

WASTE MANAGEMENT COMPLEX

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/93 CURIES REMAINING		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/03 CURIES REMAINING	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES				
1962*	6	60920	4	69%	3	55%
1984	<1	0	<1	100%	<1	100%
1986	<1	0	<1	99%	<1	97%
1987	83	<1	82	99%	81	97%
1989	<1	0	<1	100%	<1	100%
1990	<1	0	<1	100%	<1	100%
TOTALS	89	60920	86	97%	84	94%

* INCLUDES 1962 - 1983

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

WMC 1984-1993 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

▨ DISPOSED ■ DECAYED ON 12/31/93 ▩ DECAYED ON 12/31/03

INEL 1993 Year-to-Date Summary

INEL Year To Date Summary, 1993 INEL-103
INEL Year-To-Date CY1993 Pie Charts INEL-106
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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 06/27/94

INEL YEAR TO DATE SUMMARY
FOR JANUARY THROUGH DECEMBER 1993

PG 1 RPT. 2

FACILITY	AIRBORNE		LIQUID		SOLID	
	VOLUME (CU. METERS)	RADIO- ACTIVITY (CURIES)	VOLUME (LITERS)	RADIO- ACTIVITY (CURIES)	VOLUME (CU. METERS)	RADIO- ACTIVITY (CURIES)
DISPOSED WASTES						
ANL	2.522E+09	1.160E+03	5.009E+06	7.881E-02	7.663E+01	8.706E+04
CEG					2.220E+01	1.967E+03
CFA	3.439E+07	1.541E-06	4.385E+07	1.226E-04	8.396E+01	1.604E-02
CPP	4.244E+09	6.214E+01	2.515E+09	1.167E-02	7.250E+00	7.200E-02
CTF					5.436E+01	2.376E-01
D+D					3.440E+02	1.792E+00
NRF	1.646E+09	1.298E+00			1.462E+02	4.226E+04
PBF	5.225E+07	3.099E-06				
SMC	3.141E+09	2.400E-05				
TAN	1.907E+08	5.996E-06	2.428E+07	1.863E+00	8.164E+01	2.155E+02
TRA	1.155E+09	1.495E+03	7.068E+07	1.282E+02	2.834E+01	2.982E+05
WER*	1.547E+08	-1.432E-07			7.257E+00	9.390E-03
WMC	9.565E+06	1.231E-05				
DISPOSED WASTES SUBTOTAL	1.315E+10	2.719E+03	2.659E+09	1.301E+02	8.519E+02	4.297E+05

* SOLID VALUES ARE FOR WASTE DISPOSED AT RMMC AND ARE END PRODUCTS OF WERF REDUCTION PROCESSES.

INEL-103

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

INEL YEAR TO DATE SUMMARY
FOR JANUARY THROUGH OCTOBER 1993

PG 2 RPT. 2

FACILITY	AIRBORNE		LIQUID		SOLID	
	VOLUME (CU. METERS)	RADIO- ACTIVITY (CURIES)	VOLUME (LITERS)	RADIO- ACTIVITY (CURIES)	VOLUME (CU. METERS)	RADIO- ACTIVITY (CURIES)
STORED WASTES						
ANL STORAGE AREA						
ANL					8.900E-01	1.165E+03
	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.900E-01	1.165E+03
ILTSF WASTE FROM:						
ALE					5.680E+00	5.985E+01
	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.680E+00	5.985E+01
LIQUID WASTE TANKS						
CPP			1.140E+06	1.141E+06		
	0.000E+00	0.000E+00	1.140E+06	1.141E+06	0.000E+00	0.000E+00
WASTE CALCINE FACILITY						
CPP					1.966E+02	1.141E+06
	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.966E+02	1.141E+06
STORED WASTES SUBTOTAL			1.140E+06	1.141E+06	2.031E+02	1.142E+06

INEL-104

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

INEL YEAR TO DATE SUMMARY
FOR JANUARY THROUGH DECEMBER 1993

PG 3 RPT. 2

FACILITY	AIRBORNE		LIQUID		SOLID	
	VOLUME (CU. METERS)	RADIO- ACTIVITY (CURIES)	VOLUME (LITERS)	RADIO- ACTIVITY (CURIES)	VOLUME (CU. METERS)	RADIO- ACTIVITY (CURIES)
WASTES TO BE PROCESSED AT MERF FROM:						
CFA					2.020E+01	4.103E-03
CPP					5.505E+01	2.100E-01
D+D					5.332E+01	1.951E-01
NRF					2.912E+02	1.533E+00
PER					2.582E+01	4.635E-04

MERF WASTES SUBTOTAL	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.456E+02	1.943E+00

INEL-105

INEL Year-to-Date Summary CY 1993

INEL AIRBORNE EFFLUENT

AREAS NOT LISTED HAVE VALUES < 1% OF THE TOTAL

INEL LIQUID EFFLUENT

AREAS NOT LISTED HAVE VALUES < 1% OF THE TOTAL

INEL SOLID WASTE VOLUME (Cubic Meters) DISPOSED AT RWMC AND SENT FOR REDUCTION EFFORTS

AREAS NOT LISTED HAVE VALUES < 1% OF THE TOTAL

INEL Year-to-Date Summary CY 1993

1993 INEL ACCUMULATED YEAR-TO-DATE
DISPOSED SOLID WASTE AT THE RWMC

1993 ACCUMULATED YEAR-TO-DATE SOLID
TRANSURANIC WASTE VOLUME AT THE RWMC

1993 INEL ACCUMULATED YEAR-TO-DATE
SOLID LOW LEVEL WASTE

INEL Disposed Waste Decay Summary in Curies for 1993

INEL Disposed Waste Decay Summary In Curies For 1993 INEL-111

DISPOSED WASTE DECAY SUMMARY IN CURIES FOR 1993

	TOTAL IDENTIFIED NUCLIDES AT TIME OF DISPOSAL	TOTAL UNIDENTIFIED NUCLIDES AT TIME OF DISPOSAL	----- DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH ----- 01/01/94 01/01/95 01/01/96 01/01/97 01/01/98 01/01/99 01/01/04						
AIRBORNE	2719	0	210	183	174	166	158	150	119
LIQUID	130	0	122	115	109	103	97	91	69
SOLID	429654	0	404169	370007	343491	320401	299811	281116	207736

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

Nuclide Summary in Curies for Airborne, Liquid, and Solid Waste

Airborne Nuclide Summary In Curies, 1993	INEL-115
Liquid Nuclide Summary In Curies, 1993	INEL-117
Disposed Solid Waste Nuclide Summary In Curies, 1993	INEL-118
ANL Storage Area Nuclide Summary in Curies, 1993	INEL-120
WERF Processed Nuclide Summary In Curies, 1993	INEL-121

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/17/94

 AIRBORNE
 NUCLIDE SUMMARY IN CURIES
 FOR JANUARY THROUGH DECEMBER 1993

PG 1

NUCLIDE IDENT	ANL	CFA	CPP	NRF	PBF	SMC	TAN	TRA	WER	WMC	TOTAL
AR-41	17			<1				1319			1336
BA-139								<1			<1
BA-140	<1							<1			<1
C-14			<1	<1							<1
CO-57			<1								<1
CO-58								<1			<1
CO-60			<1				<1	<1			<1
CR-51								<1			<1
CS-134			<1								<1
CS-137	<1		<1				<1	<1			<1
CS-138								<1			<1
CS-140	29										29
EU-152			<1								<1
EU-154			<1								<1
EU-155			<1								<1
GROSS-BET-GAM	<1										<1
GROSS-ALPHA	<1	<1				<1	<1	<1		<1	<1
GROSS-BETA		<1		<1	<1		<1	<1		<1	<1
H-3	34		62	<1							96
HF-181								<1			<1
HG-203								<1			<1
I-129			<1								<1
I-131				<1				<1			<1
I-132								<1			<1
I-133								<1			<1
KR-85	70										70
KR-85M	44							8			52
KR-87	38							25			63
KR-88	58							24			82
LA-140	<1							<1			<1
NA-24								<1			<1
PA-234						<1					<1
RB-88	<1							<1			<1
RB-89								<1			<1
RE-188								<1			<1
RU-106			<1								<1
SB-125			<1								<1
SR-90		<1	<1		<1		<1	<1	0		<1
TC-99M								<1			<1
TH-234						<1					<1
TOTAL-PU			<1								<1
U-234						<1					<1
U-235	<1										<1
U-238	<1					<1					<1
XE-133	494							4			498
XE-135	313							28			341
XE-135M	11							14			25

INEL-115

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/17/94

AIRBORNE
NUCLIDE SUMMARY IN CURIES
FOR JANUARY THROUGH DECEMBER 1993

PG 2

NUCLIDE IDENT	ANL	CFA	CPP	NRF	PBF	SMC	TAN	TRA	WER	WMC	TOTAL
XE-138	22							71			93
XE-140	30										30
Y-90		<1			<1		<1	<1	0		<1
Y-91M								<1			<1
TOTAL	1160	<1	62	1	<1	<1	<1	1495	0	<1	2719

INEL-116

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/16/94

LIQUID
NUCLIDE SUMMARY IN CURIES
FOR JANUARY THROUGH DECEMBER 1993

PG 1

NUCLIDE IDENT	ANL	CFA	CPP	TAN	TRA	TOTAL
CE-141					<1	<1
CE-144					<1	<1
CO-58					<1	<1
CO-60			<1		2	2
CR-51					2	2
CS-134					<1	<1
CS-137			<1		<1	<1
GROSS-ALPHA		<1		0	<1	<1
GROSS-BETA		<1		<1	2	2
H-3	<1	<1		2	122	124
MN-54					<1	<1
NA-24					<1	<1
NB-95					<1	<1
SB-124					<1	<1
SR-89					<1	<1
SR-90		<1	<1	<1	<1	<1
TA-182					<1	<1
TOTAL-PU			<1			<1
TOTAL-U			<1			<1
Y-90		<1		<1	<1	<1
ZN-65					<1	<1
ZR-95					<1	<1
TOTAL						
	<1	<1	<1	2	128	130

INEL-117

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 06/21/94

DISPOSED SOLID WASTE
NUCLIDE SUMMARY IN CURIES
FOR JANUARY THROUGH DECEMBER 1993

PG 1

NUCLIDE IDENT	ANL	CEG	CFA	CPP	CTF	D+D	NRF	TAN	TRA	MER	TOTAL
AG-108M									<1	<1	<1
AG-110M										<1	<1
AM-241	<1		<1			<1			<1	<1	<1
BA-137M							<1				<1
BA-140									<1		<1
C-14							1		<1		1
CE-141									<1		<1
CE-144	<1		<1	<1	<1				<1		<1
CM-242									<1		<1
CM-244									<1	<1	<1
CO-57							<1				<1
CO-58	7,219						84		5		7,309
CO-60	65,571		<1		<1	<1	8,632	1	1,134	<1	75,339
CR-51	2,586						14		47		2,646
CS-134	<1		<1						<1	<1	<1
CS-137	<1		<1	<1	<1	<1	<1	3	1	<1	6
EU-152	<1						<1		<1	<1	<1
EU-154	<1						<1		<1	<1	<1
EU-155	<1				<1				<1	<1	<1
FE-55							7,126	49	690		7,864
FE-59	201						<1				201
H-3	<1	1,965					<1	1	293,004		294,971
HF-181									<1		<1
I-129							<1				<1
I-131									<1		<1
IR-192									<1		<1
LA-140	<1								<1		<1
MN-54	11,478						<1		83	<1	11,561
MO-99									<1		<1
NA-22	<1										<1
NB-94									<1		<1
NB-95	<1			<1			424		<1		425
NI-59							194		<1		194
NI-63							23,551	162	3,075		26,788
PR-144				<1					<1		<1
PU-238						<1		<1	<1	<1	<1
PU-239	<1					<1		<1	<1	<1	<1
PU-240	<1					<1					<1
RA-226			<1								<1
RH-106				<1							<1
RU-103									<1		<1
RU-106	<1			<1	<1		<1			<1	<1
SB-124									<1		<1
SB-125	<1			<1	<1		526	<1	5	<1	531
SC-46									<1		<1
SE-75									<1		<1
SN-119M							1,478		15		1,493

INEL-118

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 06/21/94

DISPOSED SOLID WASTE
NUCLIDE SUMMARY IN CURIES
FOR JANUARY THROUGH DECEMBER 1993

PG 2

NUCLIDE IDENT	ANL	CEG	CFA	CPP	CTF	D+D	NRF	TAN	TRA	MER	TOTAL
SN-121M							<1				<1
SR-85	<1										<1
SR-89									<1		<1
SR-90	1		<1	<1		<1	<1	<1	9		11
TA-182	<1										<1
TC-99							<1		<1		<1
TH-228		2									2
TH-230										<1	<1
TH-232										<1	<1
TH-234										<1	<1
U-234						<1		<1	<1	<1	<1
U-235	<1					<1			<1	<1	<1
U-238	<1		<1			<1		<1		<1	<1
Y-90	1			<1			<1				1
ZN-65									82	<1	82
ZR-95	<1			<1			227		<1		227
TOTAL	-----										
	87,059	1,967	<1	<1	<1	2	42,260	216	298,153	<1	429,656

INEL-119

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/16/94

ANL STORAGE AREA
NUCLIDE SUMMARY IN CURIES
FOR JANUARY THROUGH DECEMBER 1993

PG 1

NUCLIDE IDENT	ANL	TOTAL
BA-137M	5	5
CE-141	<1	<1
CE-144	96	96
CO-57	<1	<1
CO-58	4	4
CO-60	22	22
CS-134	14	14
CS-137	135	135
EU-154	4	4
EU-155	4	4
H-3	<1	<1
KR-85	<1	<1
MN-54	22	22
NA-22	<1	<1
NB-95	18	18
NB-95M	<1	<1
NP-237	<1	<1
PM-147	17	17
PR-144	52	52
PU-239	<1	<1
PU-240	<1	<1
RH-103M	<1	<1
RH-106	20	20
RU-103	<1	<1
RU-106	11	11
SB-125	10	10
SM-151	<1	<1
SN-123	<1	<1
SR-85	2	2
SR-89	1	1
SR-90	8	8
TE-125M	<1	<1
TE-127M	<1	<1
TH-234	696	696
U-233	<1	<1
U-235	<1	<1
U-238	<1	<1
Y-90	8	8
Y-91	3	3
ZR-95	9	9
TOTAL	-----	-----
	1,165	1,165

INEL-120

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/16/94

WERF PROCESSED
NUCLIDE SUMMARY IN CURIES
FOR JANUARY THROUGH DECEMBER 1993

PG 1

NUCLIDE IDENT	CFA	CPP	D+D	NRF	PER	TOTAL
BA-137M				<1		<1
C-14				<1		<1
CE-144		<1				<1
CO-57				<1		<1
CO-58				<1		<1
CO-60	<1		<1	<1	<1	<1
CR-51				<1		<1
CS-134				<1	<1	<1
CS-137	<1	<1	<1	<1	<1	<1
EU-152				<1		<1
EU-154				<1	<1	<1
FE-55				<1		<1
FE-59				<1		<1
I-129				<1		<1
K-40				<1		<1
MN-54				<1		<1
NB-95		<1		<1		<1
NI-63				<1		<1
PR-144		<1				<1
PU-238				<1		<1
PU-239				<1		<1
RH-106		<1				<1
RU-106		<1		<1		<1
SB-125		<1			<1	<1
SR-90		<1	<1	<1		<1
TC-99				<1		<1
Y-90		<1		<1		<1
ZR-95		<1		<1		<1
TOTAL						
	<1	<1	<1	2	<1	2

INEL-121

Argonne National Laboratory—West 1993 Detail Data

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Report 470—FASB Airborne Waste Summary	ANL-52
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Report 490—RLWTF Airborne Waste Summary	ANL-58
Report 480—SCMS Airborne Waste Summary	ANL-59
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Argonne National Laboratory-West (ANL) Bar Graphs of Annual Data by Month

Argonne National Laboratory-West (ANL) Monthly Details - CY 1993

ANL-5

ANL CY 1993 AIRBORNE EFFLUENT

ANL CY 1993 LIQUID EFFLUENT

ANL CY 1993 SHIPPED LOW LEVEL WASTE

Argonne National Laboratory-West (ANL) Monthly Details - CY 1993

**ANL Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

ANL AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 1 RPT. 401
ANL-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		4.643E-09	1.449E-10	8.145E-09		4.858E-09	9.805E-09	6.641E-09	5.377E-15	1.00E-08	
CURIES		9.980E-01	3.100E-02	1.688E+00		1.007E+00	2.101E+00	1.675E+01			
% OF TOTAL		1.173	0.032	1.262		0.666	1.871	1.444			
BA-140	1.276E+01										
CONCEN (UC/ML)		1.878E-13		1.882E-13			2.884E-13	2.063E-13	1.670E-19	3.00E-09	
CURIES		4.036E-05		3.900E-05			6.180E-05	5.202E-04			
% OF TOTAL											
CS-137	1.101E+04										
CONCEN (UC/ML)		7.708E-17						6.570E-18	5.320E-24	4.00E-10	
CURIES		1.657E-08						1.657E-08			
% OF TOTAL											
CS-140	1.260E+09										
CONCEN (UC/ML)		1.054E-08		1.062E-08			1.619E-08	1.158E-08	9.380E-15		
CURIES		2.266E+00		2.200E+00			3.470E+00	2.922E+01			
% OF TOTAL		2.662		1.645			3.091	2.519			
GROS-BET-GAM											
CONCEN (UC/ML)		1.179E-12	1.831E-14	2.574E-14	4.788E-15	9.357E-14	6.062E-14	2.830E-13	2.291E-19		
CURIES		2.534E-04	3.918E-06	5.333E-06	1.024E-06	1.939E-05	1.299E-05	7.137E-04			
% OF TOTAL											
GROSS-ALPHA											
CONCEN (UC/ML)		4.340E-16	9.299E-16	8.091E-17	2.127E-16	8.437E-16	1.591E-15	6.250E-16	5.060E-22		
CURIES		9.329E-08	1.990E-07	1.676E-08	4.552E-08	1.748E-07	3.410E-07	1.576E-06			
% OF TOTAL											
H-3	4.490E+03										
CONCEN (UC/ML)		2.557E-08	2.593E-08	3.383E-08	6.725E-09	3.364E-08	3.350E-08	1.350E-08	1.094E-14	1.00E-07	
CURIES		5.497E+00	5.549E+00	7.010E+00	1.439E+00	6.970E+00	7.179E+00	3.406E+01			
% OF TOTAL		6.459	5.744	5.241	0.756	4.612	6.395	2.936			
KR-85	3.913E+03										
CONCEN (UC/ML)		3.280E-08	1.192E-08	4.392E-09	2.000E-08	1.231E-08	7.186E-09	2.792E-08	2.261E-14	3.00E-06	
CURIES		7.050E+00	2.550E+00	9.100E-01	4.280E+00	2.550E+00	1.540E+00	7.042E+01			
% OF TOTAL		8.283	2.640	0.680	2.247	1.687	1.372	6.070			
KR-85M	1.867E-01										
CONCEN (UC/ML)		1.883E-08	2.777E-08	1.377E-08	1.616E-08	3.031E-08	3.943E-08	1.746E-08	1.413E-14	1.00E-07	
CURIES		4.047E+00	5.944E+00	2.854E+00	3.458E+00	6.281E+00	8.450E+00	4.403E+01			
% OF TOTAL		4.755	6.153	2.134	1.816	4.156	7.527	3.795			

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IDAHO OPERATIONS OFFICE
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 ANL AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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 ANL-A
 YEARLY
 RELEASE
 % OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE*	CG**	ANL-A YEARLY RELEASE % OF CG
KR-87	5.278E-02										
CONCN (UC/ML)		1.327E-08	1.934E-08	7.288E-09	7.823E-09	2.500E-08	3.665E-08	1.497E-08	1.212E-14	2.00E-08	
CURIES		2.853E+00	4.138E+00	1.510E+00	1.674E+00	5.181E+00	7.854E+00	3.775E+01			
% OF TOTAL		3.352	4.283	1.129	0.879	3.428	6.996	3.254			
KR-88	1.183E-01										
CONCN (UC/ML)		2.263E-08	3.335E-08	1.109E-08	1.528E-08	4.980E-08	5.673E-08	2.306E-08	1.867E-14	9.00E-09	
CURIES		4.865E+00	7.137E+00	2.297E+00	3.270E+00	1.032E+01	1.216E+01	5.816E+01			
% OF TOTAL		5.717	7.388	1.717	1.717	6.829	10.829	5.014			
LA-140	1.678E+00										
CONCN (UC/ML)		1.878E-17		1.882E-17			2.884E-17	2.063E-17	1.670E-23	3.00E-09	
CURIES		4.036E-09		3.900E-09			6.180E-09	5.202E-08			
% OF TOTAL											
RB-88	1.229E-02										
CONCN (UC/ML)		4.708E-13		4.730E-13			7.233E-13	5.175E-13	4.190E-19	3.00E-08	
CURIES		1.012E-04		9.800E-05			1.550E-04	1.305E-03			
% OF TOTAL											
U-235	2.570E+11										
CONCN (UC/ML)		6.466E-18						1.469E-18	1.190E-24	1.00E-13	
CURIES		1.390E-09						3.706E-09			
% OF TOTAL											
U-238	1.631E+12										
CONCN (UC/ML)		9.272E-19						2.107E-19	1.706E-25	1.00E-13	
CURIES		1.993E-10						5.313E-10			
% OF TOTAL											
XE-133	5.250E+00										
CONCN (UC/ML)		1.105E-07	1.278E-07	3.637E-07	6.019E-07	3.239E-07	9.768E-08	1.957E-07	1.584E-13	5.00E-07	
CURIES		2.375E+01	2.736E+01	7.535E+01	1.288E+02	6.712E+01	2.093E+01	4.935E+02			
% OF TOTAL		27.907	28.321	56.336	67.624	44.415	18.645	42.543			
XE-135	3.792E-01										
CONCN (UC/ML)		1.382E-07	1.939E-07	1.713E-07	2.134E-07	2.276E-07	1.790E-07	1.241E-07	1.005E-13	8.00E-08	
CURIES		2.970E+01	4.149E+01	3.548E+01	4.567E+01	4.717E+01	3.836E+01	3.129E+02			
% OF TOTAL		34.900	42.947	26.528	23.978	31.213	34.172	26.974			
XE-135M	1.062E-02										
CONCN (UC/ML)		1.987E-09	2.587E-09	7.008E-09	4.195E-09	3.745E-09	1.229E-08	4.315E-09	3.494E-15	5.00E-08	
CURIES		4.271E-01	5.537E-01	1.452E+00	8.976E-01	7.760E-01	2.633E+00	1.088E+01			
% OF TOTAL		0.502	0.573	1.086	0.471	0.513	2.345	0.938			

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
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ANL AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	ANL-A YEARLY RELEASE % OF CG
XE-138											
	9.792E-03										
CONCEN (UC/ML)		6.117E-09	8.668E-09	3.377E-09	4.563E-09	1.808E-08	1.870E-08	8.800E-09	7.126E-15	2.00E-08	
CURIES		1.315E+00	1.855E+00	6.997E-01	9.765E-01	3.747E+00	4.007E+00	2.220E+01			
% OF TOTAL		1.545	1.920	0.523	0.513	2.479	3.569	1.913			
XE-140											
	1.570E-04										
CONCEN (UC/ML)		1.087E-08		1.110E-08			1.671E-08	1.196E-08	9.684E-15		
CURIES		2.336E+00		2.300E+00			3.580E+00	3.017E+01			
% OF TOTAL		2.745		1.720			3.189	2.600			
TOTALS											
ALPHA CURIES		9.488E-08	1.990E-07	1.676E-08	4.552E-08	1.748E-07	3.410E-07	1.580E-06			
% OF TOTAL											
B+G CURIES		8.511E+01	9.661E+01	1.338E+02	1.905E+02	1.511E+02	1.123E+02	1.160E+03			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.999			
VOLUME (CU. METERS)		2.150E+08	2.140E+08	2.072E+08	2.140E+08	2.072E+08	2.143E+08	2.522E+09			
<hr/>											
GRAND TOTALS (CURIES)		8.511E+01	9.661E+01	1.338E+02	1.905E+02	1.511E+02	1.123E+02	1.160E+03			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
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ANL LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
H-3	4.490E+03									
CONCEN (UC/ML)		1.240E-05	1.496E-05	1.622E-05	1.622E-05	6.756E-06	6.756E-06	1.573E-05	2.00E-03	0.79
CURIES		2.825E-03	1.556E-02	1.836E-02	5.849E-03	8.513E-03	2.864E-03	7.881E-02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		2.825E-03	1.556E-02	1.836E-02	5.849E-03	8.513E-03	2.864E-03	7.881E-02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (LITERS)		2.278E+05	1.040E+06	1.132E+06	3.607E+05	1.260E+06	4.239E+05	5.009E+06		

GRAND TOTALS (CURIES)		2.825E-03	1.556E-02	1.836E-02	5.849E-03	8.513E-03	2.864E-03	7.881E-02		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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 ANL DISPOSED SOLID WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AM-241	1.577E+05							
CURIES						1.634E-04		1.634E-04
% OF TOTAL						0.008		
GRAMS						4.750E-05		4.750E-05
CE-144	2.844E+02							
CURIES					4.328E-03	2.047E-02	6.077E-03	3.087E-02
% OF TOTAL						1.050	0.807	
CO-58	7.091E+01							
CURIES			4.392E+03	2.404E+03	4.234E+02	8.375E-03	2.489E-03	7.219E+03
% OF TOTAL			22.191	4.142	4.593	0.430	0.331	8.293
CO-60	1.924E+03							
CURIES			1.160E+04	4.747E+04	6.505E+03	1.389E-01	2.921E-02	6.557E+04
% OF TOTAL			58.595	81.779	70.558	7.129	3.881	75.318
CR-51	2.770E+01							
CURIES			1.698E+03	8.865E+02	1.200E+00			2.586E+03
% OF TOTAL			8.581	1.527	0.013			2.970
CS-134	7.537E+02							
CURIES					8.289E-03	7.014E-03	5.598E-03	2.090E-02
% OF TOTAL						0.360	0.744	
CS-137	1.101E+04							
CURIES					9.918E-02	4.202E-01	1.108E-01	6.303E-01
% OF TOTAL					0.001	21.565	14.725	0.001
EU-152	4.891E+03							
CURIES					1.858E-06		4.382E-06	6.240E-06
% OF TOTAL							0.001	
EU-154	3.103E+03							
CURIES					1.234E-03	3.895E-03	5.016E-04	5.631E-03
% OF TOTAL						0.200	0.067	
EU-155	1.727E+03							
CURIES					5.284E-02	1.417E-02	2.935E-03	6.994E-02
% OF TOTAL					0.001	0.727	0.390	
FE-59	4.451E+01							
CURIES			1.073E+02	9.174E+01	1.700E+00			2.008E+02
% OF TOTAL			0.542	0.158	0.018			0.231
H-3	4.490E+03							
CURIES					4.775E-01	2.957E-02	8.799E-03	5.159E-01
% OF TOTAL					0.005	1.517	1.169	0.001

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U.S. DEPARTMENT OF ENERGY
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ANL DISPOSED SOLID WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
LA-140 CURIES % OF TOTAL	1.678E+00				8.256E-04			8.256E-04
MN-54 CURIES % OF TOTAL	3.122E+02		1.997E+03 10.091	7.194E+03 12.393	2.287E+03 24.806	1.523E-02 0.782	3.333E-03 0.443	1.148E+04 13.184
NA-22 CURIES % OF TOTAL	9.508E+02				2.164E-03	1.535E-03 0.079	1.513E-04 0.020	3.850E-03
NB-95 CURIES % OF TOTAL	3.498E+01				3.491E-04	1.751E-03 0.090	5.207E-04 0.069	2.621E-03
PU-239 CURIES % OF TOTAL GRAMS	8.800E+06		3.614E-06 5.820E-05	1.830E-06 2.947E-05	2.845E-04 4.581E-03	1.857E-03 0.095 2.990E-02	4.248E-04 0.056 6.841E-03	2.572E-03 4.141E-02
PU-240 CURIES % OF TOTAL GRAMS	2.394E+06		6.810E-08 3.000E-07	2.951E-08 1.300E-07	4.540E-09 2.000E-08	9.268E-06 4.083E-05		9.370E-06 4.128E-05
RU-106 CURIES % OF TOTAL	3.726E+02				1.793E-04			1.793E-04
SB-125 CURIES % OF TOTAL	1.007E+03				2.917E-05			2.917E-05
SR-85 CURIES % OF TOTAL	6.480E+01					5.000E-06		5.000E-06
SR-90 CURIES % OF TOTAL	1.059E+04				2.629E-01 0.003	6.361E-01 32.643	2.886E-01 38.343	1.188E+00 0.001
TA-182 CURIES % OF TOTAL	1.145E+02			3.000E-01 0.001	1.474E-03	7.396E-03 0.380	2.201E-03 0.292	3.111E-01
U-235 CURIES % OF TOTAL	2.570E+11			7.594E-04	1.242E-05	9.192E-06	6.100E-04 0.081	1.391E-03

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
GRAMS				3.516E+02	5.751E+00	4.255E+00	2.824E+02	6.440E+02
U-238	1.631E+12							
CURIES				5.365E-05	9.924E-07	1.319E-06	3.905E-05	9.501E-05
% OF TOTAL							0.005	
GRAMS				1.597E+02	2.953E+00	3.925E+00	1.162E+02	2.828E+02
Y-90	2.667E+00							
CURIES					1.597E-01	6.361E-01	2.886E-01	1.084E+00
% OF TOTAL					0.002	32.643	38.343	0.001
ZR-95	6.403E+01							
CURIES					1.179E-03	5.917E-03	1.760E-03	8.856E-03
% OF TOTAL						0.304	0.234	
TOTALS								
ALPHA CURIES			3.682E-06	8.149E-04	2.979E-04	2.040E-03	1.074E-03	4.230E-03
% OF TOTAL						0.105	0.143	
B+G CURIES			1.979E+04	5.804E+04	9.219E+03	1.947E+00	7.517E-01	8.706E+04
% OF TOTAL			100.000	100.000	100.000	99.896	99.857	99.999
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM						4.750E-05		4.750E-05
TOTAL GRAMS OF PU			5.850E-05	2.960E-05	4.581E-03	2.994E-02	6.841E-03	4.145E-02
TOTAL GRAMS OF PU-239+241			5.820E-05	2.947E-05	4.581E-03	2.990E-02	6.841E-03	4.141E-02
TOTAL GRAMS OF U				5.113E+02	8.705E+00	8.181E+00	3.986E+02	9.268E+02
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)			1.000E-01	1.450E+00	2.079E+01	3.124E+01	2.305E+01	7.666E+01
WEIGHT (KILOGRAMS)			2.660E+02	2.022E+03	1.085E+04	2.786E+04	1.184E+04	5.285E+04
GRAND TOTALS (CURIES)			1.979E+04	5.804E+04	9.219E+03	1.949E+00	7.528E-01	8.706E+04

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		ANL SOLID WASTE SUMMARY FOR JAN THROUGH DEC 1993						
		ANL STORED WASTES						
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E-03			5.380E+00 2.820				5.380E+00 0.462
CE-141 CURIES % OF TOTAL	3.250E+01	1.960E-03			4.040E-04			2.364E-03
CE-144 CURIES % OF TOTAL	2.844E+02	7.960E+00 1.060		5.234E+01 27.435	3.614E+01 16.203			9.644E+01 8.278
CO-57 CURIES % OF TOTAL	2.718E+02	9.720E-05						9.720E-05
CO-58 CURIES % OF TOTAL	7.091E+01				3.600E+00 1.614			3.600E+00 0.309
CO-60 CURIES % OF TOTAL	1.924E+03	4.220E-01 0.056			2.114E+01 9.481			2.157E+01 1.851
CS-134 CURIES % OF TOTAL	7.537E+02	6.630E+00 0.883		3.700E-01 0.194	7.233E+00 3.243			1.423E+01 1.222
CS-137 CURIES % OF TOTAL	1.101E+04	1.680E+01 2.237		5.670E+00 2.972	1.129E+02 50.633			1.354E+02 11.622
EU-154 CURIES % OF TOTAL	3.103E+03	3.420E-04			3.603E+00 1.616			3.603E+00 0.309
EU-155 CURIES % OF TOTAL	1.727E+03	4.310E-03 0.001		3.400E-01 0.178	3.673E+00 1.647			4.018E+00 0.345
H-3 CURIES % OF TOTAL	4.490E+03	4.580E-05		4.000E-02 0.021				4.005E-02 0.003
KR-85 CURIES % OF TOTAL	3.913E+03			7.700E-01 0.404				7.700E-01 0.066

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 FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
MN-54	3.122E+02							
CURIES		1.260E+01			9.301E+00			2.190E+01
% OF TOTAL		1.677			4.170			1.880
NA-22	9.508E+02							
CURIES		8.000E-02						8.000E-02
% OF TOTAL		0.011						0.007
NB-95	3.498E+01							
CURIES				1.214E+01	5.400E+00			1.754E+01
% OF TOTAL				6.363	2.421			1.506
NB-95M	3.610E+00							
CURIES				4.000E-02				4.000E-02
% OF TOTAL				0.021				0.003
NP-237	7.811E+08							
CURIES		7.050E-06		1.410E-05	2.115E-05			4.230E-05
% OF TOTAL								
GRAMS		1.000E-02		2.000E-02	3.000E-02			6.000E-02
PM-147	9.575E+02							
CURIES				1.678E+01				1.678E+01
% OF TOTAL				8.796				1.440
PR-144	1.200E-02							
CURIES				5.222E+01				5.222E+01
% OF TOTAL				27.372				4.483
PU-239	8.800E+06							
CURIES		4.931E-01		2.422E-01	2.441E-01			9.794E-01
% OF TOTAL		0.066		0.127	0.109			0.084
GRAMS		7.940E+00		3.900E+00	3.931E+00			1.577E+01
PU-240	2.394E+06							
CURIES		1.589E-01		4.540E-03	8.172E-02			2.452E-01
% OF TOTAL		0.021		0.002	0.037			0.021
GRAMS		7.000E-01		2.000E-02	3.600E-01			1.080E+00
RH-103M	3.897E-02							
CURIES				2.300E-01				2.300E-01
% OF TOTAL				0.121				0.020
RH-106	3.441E-04							
CURIES		8.420E+00		1.071E+01	4.732E-01			1.960E+01
% OF TOTAL		1.121		5.614	0.212			1.683

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 ANL SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	ANL STORED WASTES SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
RU-103 CURIES % OF TOTAL	3.924E+01			2.600E-01 0.136				2.600E-01 0.022
RU-106 CURIES % OF TOTAL	3.726E+02			1.071E+01 5.614				1.071E+01 0.919
SB-125 CURIES % OF TOTAL	1.007E+03	1.070E+00 0.142		1.470E+00 0.771	7.207E+00 3.232			9.747E+00 0.837
SM-151 CURIES % OF TOTAL	3.285E+04			1.400E-01 0.073				1.400E-01 0.012
SN-123 CURIES % OF TOTAL	1.292E+02			1.200E-01 0.063				1.200E-01 0.010
SR-85 CURIES % OF TOTAL	6.480E+01				1.800E+00 0.807			1.800E+00 0.155
SR-89 CURIES % OF TOTAL	5.052E+01			1.470E+00 0.771				1.470E+00 0.126
SR-90 CURIES % OF TOTAL	1.059E+04	2.350E-01 0.031		4.850E+00 2.542	3.300E+00 1.480			8.385E+00 0.720
TE-125M CURIES % OF TOTAL	5.800E+01			3.600E-01 0.189				3.600E-01 0.031
TE-127M CURIES % OF TOTAL	1.090E+02			5.000E-01 0.262				5.000E-01 0.043
TH-234 CURIES % OF TOTAL GRAMS	2.410E+01	6.960E+02 92.662 3.000E-02						6.960E+02 59.747 3.000E-02
U-233 CURIES % OF TOTAL	5.811E+07	1.023E-02 0.001						1.023E-02 0.001

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 ANL SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993
 ANL STORED WASTES

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 ANL-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
GRAMS		1.060E+00						1.060E+00
U-235	2.570E+11							
CURIES		1.135E-04		7.007E-05	1.883E-05			2.024E-04
% OF TOTAL								
GRAMS		5.255E+01		3.244E+01	8.716E+00			9.370E+01
U-238	1.631E+12							
CURIES		1.820E-05		1.253E-05	5.154E-06			3.588E-05
% OF TOTAL								
GRAMS		5.417E+01		3.729E+01	1.534E+01			1.068E+02
Y-90	2.667E+00							
CURIES		2.350E-01		4.850E+00	3.300E+00			8.385E+00
% OF TOTAL		0.031		2.542	1.480			0.720
Y-91	5.850E+01							
CURIES				3.190E+00				3.190E+00
% OF TOTAL				1.672				0.274
ZR-95	6.403E+01							
CURIES				5.580E+00	3.600E+00			9.180E+00
% OF TOTAL				2.925	1.614			0.788
TOTALS								
ALPHA CURIES		6.624E-01		2.468E-01	3.259E-01			1.235E+00
% OF TOTAL		0.088		0.129	0.146			0.106
B+G CURIES		7.505E+02		1.905E+02	2.227E+02			1.164E+03
% OF TOTAL		99.912		99.871	99.854			99.893
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU		8.640E+00		3.920E+00	4.291E+00			1.685E+01
TOTAL GRAMS OF PU-239+241		7.940E+00		3.900E+00	3.931E+00			1.577E+01
TOTAL GRAMS OF U		1.078E+02		6.973E+01	2.406E+01			2.016E+02
TOTAL GRAMS OF TH		3.000E-02						3.000E-02
TOTAL GRAMS OF NP		1.000E-02		2.000E-02	3.000E-02			6.000E-02
VOLUME (CU. METERS)		1.000E-01		1.000E-01	6.900E-01			8.900E-01
WEIGHT (KILOGRAMS)		2.735E+02		2.599E+02	1.283E+03			1.816E+03
GRAND TOTALS (CURIES)		7.511E+02		1.908E+02	2.230E+02			1.165E+03

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**ANL Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ANL AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 401
ANL-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		5.903E-09	1.929E-08	1.086E-08	9.187E-09	5.379E-09	2.626E-09	8.737E-09	7.074E-15	1.00E-08	
CURIES		1.264E+00	3.736E+00	2.325E+00	1.904E+00	1.152E+00	5.439E-01	1.093E+01			
% OF TOTAL		2.438	11.909	5.573	2.224	1.490	0.529	2.796			
BA-140	1.276E+01										
CONCEN (UC/ML)		1.970E-13	8.422E-13	2.811E-13	1.859E-13	2.435E-13	1.106E-13	3.031E-13	2.455E-19	3.00E-09	
CURIES		4.218E-05	1.631E-04	6.019E-05	3.853E-05	5.216E-05	2.291E-05	3.791E-04			
% OF TOTAL			0.001								
CS-140	1.260E+09										
CONCEN (UC/ML)		1.106E-08	4.729E-08	1.578E-08	1.044E-08	1.367E-08	6.208E-09	1.702E-08	1.378E-14		
CURIES		2.368E+00	9.158E+00	3.379E+00	2.163E+00	2.928E+00	1.286E+00	2.128E+01			
% OF TOTAL		4.567	29.193	8.098	2.526	3.786	1.251	5.447			
GROS-BET-GAM											
CONCEN (UC/ML)		1.973E-14	1.715E-12	5.578E-15	9.942E-14	1.762E-13	1.053E-13	3.340E-13	2.705E-19		
CURIES		4.225E-06	3.321E-04	1.194E-06	2.060E-05	3.773E-05	2.181E-05	4.177E-04			
% OF TOTAL			0.001								
GROSS-ALPHA											
CONCEN (UC/ML)		2.105E-15	5.552E-16	2.694E-17	2.968E-16	5.124E-17	3.346E-16	5.645E-16	4.571E-22		
CURIES		4.508E-07	1.075E-07	5.768E-09	6.151E-08	1.097E-08	6.932E-08	7.059E-07			
% OF TOTAL											
H-3	4.490E+03										
CONCEN (UC/ML)		4.773E-10	5.420E-11	7.578E-10	2.618E-11	2.030E-11	6.394E-10	3.336E-10	2.701E-16	1.00E-07	
CURIES		1.022E-01	1.050E-02	1.622E-01	5.426E-03	4.347E-03	1.325E-01	4.172E-01			
% OF TOTAL		0.197	0.033	0.389	0.006	0.006	0.129	0.107			
KR-85	3.913E+03										
CONCEN (UC/ML)		1.952E-08	9.140E-09	1.845E-09	1.410E-08	1.339E-07	6.560E-08	4.121E-08	3.337E-14	3.00E-06	
CURIES		4.180E+00	1.770E+00	3.950E-01	2.922E+00	2.868E+01	1.359E+01	5.154E+01			
% OF TOTAL		8.061	5.642	0.947	3.413	37.086	13.216	13.190			
KR-85M	1.867E-01										
CONCEN (UC/ML)		9.573E-09	8.764E-11	1.501E-08	2.051E-09	5.681E-09	2.930E-08	1.039E-08	8.413E-15	1.00E-07	
CURIES		2.050E+00	1.697E-02	3.214E+00	4.251E-01	1.217E+00	6.070E+00	1.299E+01			
% OF TOTAL		3.953	0.054	7.703	0.497	1.573	5.902	3.325			
KR-87	5.278E-02										
CONCEN (UC/ML)		6.584E-09	3.992E-10	1.946E-08	4.768E-09	1.638E-08	2.118E-08	1.163E-08	9.413E-15	2.00E-08	
CURIES		1.410E+00	7.730E-02	4.167E+00	9.882E-01	3.508E+00	4.387E+00	1.454E+01			
% OF TOTAL		2.719	0.246	9.987	1.154	4.536	4.266	3.721			

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ANL AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 2 RPT. 401
ANL-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	ANL-A YEARLY RELEASE % OF CG
KR-88	1.183E+01										
CONCEN (UC/ML)		7.751E-09	2.916E-10	2.317E-08	3.238E-09	1.573E-08	3.570E-08	1.448E-08	1.173E-14	9.00E-09	
CURIES		1.660E+00	5.646E-02	4.962E+00	6.710E-01	3.369E+00	7.395E+00	1.811E+01			
% OF TOTAL		3.201	0.180	11.892	0.784	4.356	7.192	4.636			
LA-140	1.678E+00										
CONCEN (UC/ML)		1.970E-17	8.422E-17	2.811E-17	1.859E-17	2.435E-17	1.106E-17	3.031E-17	2.455E-23	3.00E-09	
CURIES		4.218E-09	1.631E-08	6.019E-09	3.853E-09	5.216E-09	2.291E-09	3.791E-08			
% OF TOTAL											
RB-88	1.229E-02										
CONCEN (UC/ML)		4.941E-13	2.114E-12	7.052E-13	4.665E-13	6.107E-13	2.775E-13	7.605E-13	6.158E-19	3.00E-08	
CURIES		1.058E-04	4.093E-04	1.510E-04	9.667E-05	1.308E-04	5.749E-05	9.511E-04			
% OF TOTAL			0.001								
U-235	2.570E+11										
CONCEN (UC/ML)							1.118E-17	1.852E-18	1.500E-24	1.00E-13	
CURIES							2.316E-09	2.316E-09			
% OF TOTAL											
U-238	1.631E+12										
CONCEN (UC/ML)							1.603E-18	2.655E-19	2.150E-25	1.00E-13	
CURIES							3.320E-10	3.320E-10			
% OF TOTAL											
XE-133	5.250E+00										
CONCEN (UC/ML)		8.579E-08	3.648E-08	9.831E-09	3.489E-07	1.249E-07	1.140E-07	1.201E-07	9.726E-14	5.00E-07	
CURIES		1.837E+01	7.065E+00	2.105E+00	7.230E+01	2.675E+01	2.361E+01	1.502E+02			
% OF TOTAL		35.428	22.520	5.045	84.448	34.592	22.960	38.442			
XE-135	3.792E-01										
CONCEN (UC/ML)		7.786E-08	7.662E-11	6.657E-08	3.338E-09	7.049E-09	2.022E-07	6.000E-08	4.859E-14	8.00E-08	
CURIES		1.667E+01	1.484E-02	1.425E+01	6.918E-01	1.510E+00	4.189E+01	7.504E+01			
% OF TOTAL		32.153	0.047	34.162	0.808	1.952	40.738	19.204			
XE-135M	1.062E-02										
CONCEN (UC/ML)		3.516E-09	1.948E-11	4.044E-09	1.643E-09	7.405E-09	2.867E-09	3.313E-09	2.683E-15	5.00E-08	
CURIES		7.529E-01	3.773E-03	8.658E-01	3.405E-01	1.586E+00	5.940E-01	4.143E+00			
% OF TOTAL		1.452	0.012	2.075	0.398	2.051	0.578	1.060			
XE-138	9.792E-03										
CONCEN (UC/ML)		2.716E-09	8.340E-11	1.126E-08	4.696E-09	1.685E-08	9.678E-09	7.673E-09	6.213E-15	2.00E-08	
CURIES		5.816E-01	1.615E-02	2.410E+00	9.733E-01	3.609E+00	2.005E+00	9.595E+00			
% OF TOTAL		1.122	0.051	5.776	1.137	4.667	1.950	2.456			

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ANL AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	ANL-A YEARLY RELEASE % OF CG
XE-140	1.570E-04										
CONCEN (UC/ML)		1.140E-08	4.877E-08	1.628E-08	1.077E-08	1.410E-08	6.405E-09	1.755E-08	1.421E-14		
CURIES		2.442E+00	9.445E+00	3.485E+00	2.231E+00	3.020E+00	1.327E+00	2.195E+01			
% OF TOTAL		4.709	30.108	8.352	2.606	3.905	1.290	5.618			
TOTALS											
ALPHA CURIES		4.508E-07	1.075E-07	5.768E-09	6.151E-08	1.097E-08	7.196E-08	7.085E-07			
% OF TOTAL											
B+G CURIES		5.186E+01	3.137E+01	4.173E+01	8.562E+01	7.733E+01	1.028E+02	3.907E+02			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.999			
VOLUME (CU. METERS)		2.141E+08	1.937E+08	2.141E+08	2.072E+08	2.142E+08	2.072E+08	1.251E+09			
GRAND TOTALS (CURIES)		5.186E+01	3.137E+01	4.173E+01	8.562E+01	7.733E+01	1.028E+02	3.907E+02			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCS value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ANL LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
H-3	4.490E+03									
CONCEN (UC/ML)		2.973E-05	2.973E-05	4.027E-05	4.027E-05	4.027E-05	6.189E-05	4.400E-05	2.00E-03	2.20
CURIES		2.768E-03	7.991E-04	9.238E-03	1.357E-03	1.024E-03	9.655E-03	2.484E-02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		2.768E-03	7.991E-04	9.238E-03	1.357E-03	1.024E-03	9.655E-03	2.484E-02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (LITERS)		9.312E+04	2.688E+04	2.294E+05	3.369E+04	2.544E+04	1.560E+05	5.645E+05		

GRAND TOTALS (CURIES)		2.768E-03	7.991E-04	9.238E-03	1.357E-03	1.024E-03	9.655E-03	2.484E-02		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ANL DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CS-137	1.101E+04							
CURIES						8.000E-08		8.000E-08
% OF TOTAL						3.509		3.509
SR-90	1.059E+04							
CURIES						1.100E-06		1.100E-06
% OF TOTAL						48.246		48.246
Y-90	2.667E+00							
CURIES						1.100E-06		1.100E-06
% OF TOTAL						48.246		48.246
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES						2.280E-06		2.280E-06
% OF TOTAL						100.000		100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)						3.032E-02		3.032E-02
WEIGHT (KILOGRAMS)						6.810E+00		6.810E+00
GRAND TOTALS (CURIES)						2.280E-06		2.280E-06

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**ANL Facility Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

EBR-II AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)				1.033E-07		1.033E-07	1.033E-07	2.752E-08	2.228E-14	1.00E-08	
CURIES				8.846E-01		8.846E-01	9.141E-01	2.867E+00			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL				0.694		0.596	0.892	0.282			
GROS-BET-GAM											
CONCEN (UC/ML)						1.355E-15	3.600E-15	4.171E-16	3.378E-22		
CURIES						1.160E-08	3.186E-08	4.346E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
GROSS-ALPHA											
CONCEN (UC/ML)						1.120E-16	1.300E-15	1.196E-16	9.683E-23		
CURIES						9.590E-10	1.150E-08	1.246E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
H-3	4.490E+03										
CONCEN (UC/ML)		6.212E-07	6.271E-07	8.186E-07	1.626E-07	8.140E-07	8.113E-07	3.268E-07	2.646E-13	1.00E-07	
CURIES		5.497E+00	5.549E+00	7.010E+00	1.439E+00	6.970E+00	7.179E+00	3.405E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		7.590	5.902	5.498	0.773	4.695	7.008	3.351			
KR-85M	1.867E-01										
CONCEN (UC/ML)		4.570E-07	6.717E-07	3.329E-07	3.908E-07	7.335E-07	9.545E-07	4.222E-07	3.419E-13	1.00E-07	
CURIES		4.044E+00	5.944E+00	2.851E+00	3.458E+00	6.281E+00	8.446E+00	4.399E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		5.584	6.322	2.236	1.857	4.231	8.245	4.330			
KR-87	5.278E-02										
CONCEN (UC/ML)		3.206E-07	4.676E-07	1.745E-07	1.892E-07	6.050E-07	8.847E-07	3.603E-07	2.917E-13	2.00E-08	
CURIES		2.837E+00	4.138E+00	1.494E+00	1.674E+00	5.181E+00	7.829E+00	3.754E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.917	4.401	1.172	0.899	3.490	7.643	3.695			
KR-88	1.183E-01										
CONCEN (UC/ML)		5.485E-07	8.065E-07	2.670E-07	3.695E-07	1.205E-06	1.372E-06	5.568E-07	4.509E-13	9.00E-09	0.01
CURIES		4.854E+00	7.137E+00	2.286E+00	3.270E+00	1.032E+01	1.214E+01	5.801E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		6.702	7.590	1.793	1.756	6.952	11.851	5.711			

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

EBR-II AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
XE-133	5.250E+00										
CONCEN (UC/ML)		2.684E-06	3.092E-06	8.799E-06	1.456E-05	7.838E-06	2.365E-06	4.737E-06	3.835E-12	5.00E-07	
CURIES		2.375E+01	2.736E+01	7.535E+01	1.288E+02	6.712E+01	2.093E+01	4.935E+02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.793	29.098	59.095	69.178	45.214	20.432	48.577			
XE-135	3.792E-01										
CONCEN (UC/ML)		3.356E-06	4.689E-06	4.143E-06	5.161E-06	5.509E-06	4.335E-06	3.003E-06	2.432E-12	8.00E-08	
CURIES		2.970E+01	4.149E+01	3.548E+01	4.567E+01	4.717E+01	3.836E+01	3.129E+02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		41.008	44.126	27.826	24.529	31.775	37.447	30.798			
XE-135M	1.062E-02										
CONCEN (UC/ML)		4.827E-08	6.257E-08	1.696E-07	1.014E-07	9.062E-08	2.975E-07	1.045E-07	8.458E-14	5.00E-08	
CURIES		4.271E-01	5.537E-01	1.452E+00	8.976E-01	7.760E-01	2.633E+00	1.088E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.590	0.589	1.139	0.482	0.523	2.570	1.071			
XE-138	9.792E-03										
CONCEN (UC/ML)		1.486E-07	2.096E-07	8.171E-08	1.104E-07	4.376E-07	4.528E-07	2.130E-07	1.725E-13	2.00E-08	
CURIES		1.315E+00	1.855E+00	6.997E-01	9.765E-01	3.747E+00	4.007E+00	2.220E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		1.816	1.973	0.549	0.524	2.524	3.912	2.185			
TOTALS											
ALPHA CURIES						9.590E-10	1.150E-08	1.246E-08			
% OF TOTAL											
B+G CURIES		7.242E+01	9.403E+01	1.275E+02	1.862E+02	1.484E+02	1.024E+02	1.016E+03			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.999			
VOLUME (CU. METERS)		8.849E+06	8.849E+06	8.563E+06	8.849E+06	8.563E+06	8.849E+06	1.042E+08			
GRAND TOTALS (CURIES)		7.242E+01	9.403E+01	1.275E+02	1.862E+02	1.484E+02	1.024E+02	1.016E+03			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

EBR-II LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-L

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
H-3	4.490E+03									
CONCEN (UC/ML)		1.240E-05	1.496E-05	1.622E-05	1.622E-05	6.756E-06	6.756E-06	1.573E-05	2.00E-03	0.79
CURIES		2.825E-03	1.556E-02	1.836E-02	5.849E-03	8.513E-03	2.864E-03	7.881E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		2.825E-03	1.556E-02	1.836E-02	5.849E-03	8.513E-03	2.864E-03	7.881E-02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (LITERS)		2.278E+05	1.040E+06	1.132E+06	3.607E+05	1.260E+06	4.239E+05	5.009E+06		

GRAND TOTALS (CURIES)		2.825E-03	1.556E-02	1.836E-02	5.849E-03	8.513E-03	2.864E-03	7.881E-02		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

FASB AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROS-BET-GAM											
CONCEN (UC/ML)			7.500E-15	7.420E-15		1.400E-15	2.970E-14	5.196E-15	6.900E-22		
CURIES			9.525E-08	9.119E-08		1.721E-08	3.772E-07	7.769E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			87.209	93.286		100.000	93.338	89.221			
GROSS-ALPHA											
CONCEN (UC/ML)		7.360E-16	1.100E-15	5.340E-16			2.120E-15	6.277E-16	8.337E-23		
CURIES		9.347E-09	1.397E-08	6.563E-09			2.692E-08	9.387E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		100.000	12.791	6.714			6.662	10.779			
TOTALS											
ALPHA CURIES		9.347E-09	1.397E-08	6.563E-09			2.692E-08	9.387E-08			
% OF TOTAL		100.000	12.791	6.714			6.662	10.779			
B+G CURIES			9.525E-08	9.119E-08		1.721E-08	3.772E-07	7.769E-07			
% OF TOTAL			87.209	93.286		100.000	93.338	89.221			
VOLUME (CU. METERS)		1.270E+07	1.270E+07	1.229E+07	1.270E+07	1.229E+07	1.270E+07	1.495E+08			
GRAND TOTALS (CURIES)		9.347E-09	1.092E-07	9.775E-08		1.721E-08	4.041E-07	8.708E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

FMF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROS-BET-GAM											
CONCEN (UC/ML)		2.480E-15		1.700E-15	1.800E-16	7.300E-15	1.090E-15	2.327E-14	1.927E-21		
CURIES		2.946E-08		1.955E-08	2.138E-09	8.395E-08	1.295E-08	3.256E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		100.000		70.892	100.000	100.000	7.176	90.569			
GROSS-ALPHA											
CONCEN (UC/ML)				6.980E-16			1.410E-14	2.424E-15	2.006E-22		
CURIES				8.027E-09			1.675E-07	3.390E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL				29.108			92.824	9.431			
TOTALS											
ALPHA CURIES				8.027E-09			1.675E-07	3.390E-07			
% OF TOTAL				29.108			92.824	9.431			
B+G CURIES		2.946E-08		1.955E-08	2.138E-09	8.395E-08	1.295E-08	3.256E-06			
% OF TOTAL		100.000		70.892	100.000	100.000	7.176	90.569			
VOLUME (CU. METERS)		1.188E+07	1.188E+07	1.150E+07	1.188E+07	1.150E+07	1.188E+07	1.399E+08			
<hr/>											
GRAND TOTALS (CURIES)		2.946E-08		2.758E-08	2.138E-09	8.395E-08	1.805E-07	3.595E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 HFEF-N AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		4.987E-09	5.331E-10	2.008E-09		2.168E-09	1.840E-09	6.944E-09	1.808E-15	1.00E-08	
CURIES		2.900E-01	3.100E-02	1.130E-01		1.220E-01	1.070E-01	4.754E+00			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.951	1.201	11.046		4.566	6.497	6.324			
GROSS-BET-GAM											
CONCEN (UC/ML)		2.000E-15	7.000E-16		2.200E-15	7.000E-16	8.600E-15	6.120E-15	1.594E-21		
CURIES		1.163E-07	4.071E-08		1.279E-07	3.939E-08	5.001E-07	4.190E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
GROSS-ALPHA											
CONCEN (UC/ML)			1.000E-16				2.100E-15	7.873E-16	2.050E-22		
CURIES			5.815E-09				1.221E-07	5.390E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
KR-85	3.913E+03										
CONCEN (UC/ML)		1.212E-07	4.385E-08	1.617E-08	7.360E-08	4.532E-08	2.648E-08	1.029E-07	2.678E-14	3.00E-06	
CURIES		7.050E+00	2.550E+00	9.100E-01	4.280E+00	2.550E+00	1.540E+00	7.042E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		96.049	98.799	88.954	100.000	95.434	93.503	93.676			
TOTALS											
ALPHA CURIES			5.815E-09				1.221E-07	5.390E-07			
% OF TOTAL											
B+G CURIES		7.340E+00	2.581E+00	1.023E+00	4.280E+00	2.672E+00	1.647E+00	7.517E+01			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		5.815E+07	5.815E+07	5.627E+07	5.815E+07	5.627E+07	5.815E+07	6.847E+08			
GRAND TOTALS (CURIES)		7.340E+00	2.581E+00	1.023E+00	4.280E+00	2.672E+00	1.647E+00	7.517E+01			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

FUEL CYCLE FAC AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CS-137	1.101E+04										
CONCEN (UC/ML)		3.121E-16						2.651E-17	7.650E-24	4.00E-10	
CURIES		1.657E-08						1.657E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		91.248						79.636			
U-235	2.570E+11										
CONCEN (UC/ML)		2.618E-17						5.929E-18	1.711E-24	1.00E-13	
CURIES		1.390E-09						3.706E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		7.654						17.811			
U-238	1.631E+12										
CONCEN (UC/ML)		3.754E-18						8.499E-19	2.453E-25	1.00E-13	
CURIES		1.993E-10						5.313E-10			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		1.098						2.553			
TOTALS											
ALPHA CURIES		1.589E-09						4.237E-09			
% OF TOTAL		8.752						20.364			
B+G CURIES		1.657E-08						1.657E-08			
% OF TOTAL		91.248						79.636			
VOLUME (CU. METERS)		5.309E+07	5.309E+07	5.138E+07	5.309E+07	5.138E+07	5.309E+07	6.251E+08			
GRAND TOTALS (CURIES)		1.816E-08						2.081E-08			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

L&O MAIN STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROS-BET-GAM											
CONCEN (UC/ML)		4.070E-15	2.370E-15	1.700E-16	1.640E-14	3.930E-13	7.800E-15	4.585E-14	1.457E-20		
CURIES		1.194E-07	6.951E-08	4.825E-09	4.810E-07	1.115E-05	2.288E-07	1.583E-05			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		96.400	97.785	98.608	97.776	99.162	95.941	98.939			
GROSS-ALPHA											
CONCEN (UC/ML)		1.520E-16	5.369E-17	2.400E-18	3.730E-16	3.320E-15	3.300E-16	4.919E-16	1.564E-22		
CURIES		4.458E-09	1.575E-09	6.811E-11	1.094E-08	9.422E-08	9.679E-09	1.699E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.600	2.215	1.392	2.224	0.838	4.059	1.061			
TOTALS											
ALPHA CURIES		4.458E-09	1.575E-09	6.811E-11	1.094E-08	9.422E-08	9.679E-09	1.699E-07			
% OF TOTAL		3.600	2.215	1.392	2.224	0.838	4.059	1.061			
B+G CURIES		1.194E-07	6.951E-08	4.825E-09	4.810E-07	1.115E-05	2.288E-07	1.583E-05			
% OF TOTAL		96.400	97.785	98.608	97.776	99.162	95.941	98.938			
VOLUME (CU. METERS)		2.933E+07	2.933E+07	2.838E+07	2.933E+07	2.838E+07	2.933E+07	3.453E+08			
<hr/>											
GRAND TOTALS (CURIES)		1.238E-07	7.109E-08	4.893E-09	4.920E-07	1.125E-05	2.385E-07	1.600E-05			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

NDA LABORATORY AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROS-BET-GAM											
CONCEN (UC/ML)		4.320E-16		9.000E-17	1.090E-14	4.650E-13	2.800E-15	3.984E-14	1.266E-20		
CURIES		7.633E-09		1.539E-09	1.926E-07	7.952E-06	4.948E-08	8.289E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		100.000		100.000	95.447	99.291	100.000	99.168			
GROSS-ALPHA											
CONCEN (UC/ML)			5.369E-17		5.200E-16	3.320E-15		3.343E-16	1.063E-22		
CURIES			9.487E-10		9.188E-09	5.677E-08		6.956E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			100.000		4.553	0.709		0.832			
TOTALS											
ALPHA CURIES			9.487E-10		9.188E-09	5.677E-08		6.956E-08			
% OF TOTAL			100.000		4.553	0.709		0.832			
B+G CURIES		7.633E-09		1.539E-09	1.926E-07	7.952E-06	4.948E-08	8.289E-06			
% OF TOTAL		100.000		100.000	95.447	99.291	100.000	99.168			
VOLUME (CU. METERS)		1.767E+07	1.767E+07	1.710E+07	1.767E+07	1.710E+07	1.767E+07	2.081E+08			
GRAND TOTALS (CURIES)											
		7.633E-09	9.487E-10	1.539E-09	2.018E-07	8.008E-06	4.948E-08	8.358E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

RLWTF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-BET-GAM										
CONCEN (UC/ML)		8.000E-16	3.860E-16	4.900E-16		1.000E-15		2.485E-15	8.873E-23	
CURIES		2.882E-09	1.391E-09	1.708E-09		3.486E-09		1.054E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		100.000	0.001	100.000		91.008		0.001		
GROSS-ALPHA										
CONCEN (UC/ML)			4.000E-17			9.880E-17		5.302E-17	1.893E-24	
CURIES			1.441E-10			3.444E-10		2.249E-09		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL						8.992				
H-3 4.490E+03										
CONCEN (UC/ML)			5.246E-11				3.386E-11	3.178E-10	1.134E-17	1.00E-07
CURIES			1.890E-04				1.220E-04	1.348E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL			99.999				100.000	99.999		
TOTALS										
ALPHA CURIES			1.441E-10			3.444E-10		2.249E-09		
% OF TOTAL						8.992				
B+G CURIES		2.882E-09	1.890E-04	1.708E-09		3.486E-09	1.220E-04	1.348E-02		
% OF TOTAL		100.000	100.000	100.000		91.008	100.000	100.000		
VOLUME (CU. METERS)										
		3.603E+06	3.603E+06	3.486E+06	3.603E+06	3.486E+06	3.603E+06	4.242E+07		
GRAND TOTALS (CURIES)										
		2.882E-09	1.890E-04	1.708E-09		3.830E-09	1.220E-04	1.348E-02		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

SCMS AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROS-BET-GAM											
CONCEN (UC/ML)		4.170E-15	8.070E-15	3.300E-13	4.200E-15	7.280E-15	7.500E-15	3.185E-14	2.844E-21		
CURIES		5.271E-08	1.020E-07	4.036E-06	5.309E-08	8.903E-08	9.480E-08	4.740E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		92.053	98.691	100.000	100.000	96.398	96.650	99.565			
GROSS-ALPHA											
CONCEN (UC/ML)		3.600E-16	1.070E-16			2.720E-16	2.600E-16	1.393E-16	1.244E-23		
CURIES		4.550E-09	1.352E-09			3.327E-09	3.286E-09	2.073E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		7.947	1.309			3.602	3.351	0.435			
TOTALS											
ALPHA CURIES		4.550E-09	1.352E-09			3.327E-09	3.286E-09	2.073E-08			
% OF TOTAL		7.947	1.309			3.602	3.351	0.435			
B+G CURIES		5.271E-08	1.020E-07	4.036E-06	5.309E-08	8.903E-08	9.480E-08	4.740E-06			
% OF TOTAL		92.053	98.691	100.000	100.000	96.398	96.650	99.564			
VOLUME (CU. METERS)		1.264E+07	1.264E+07	1.223E+07	1.264E+07	1.223E+07	1.264E+07	1.488E+08			

GRAND TOTALS (CURIES)		5.726E-08	1.034E-07	4.036E-06	5.309E-08	9.236E-08	9.809E-08	4.760E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

TREAT AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		7.235E-07		5.641E-06			3.418E-06	3.306E-06	9.072E-14	1.00E-08	
CURIES		7.080E-01		6.900E-01			1.080E+00	9.129E+00			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		13.246		13.208			13.198	13.238			
BA-140	1.276E+01										
CONCEN (UC/ML)		4.124E-11		3.188E-10			1.956E-10	1.884E-10	5.170E-18	3.00E-09	
CURIES		4.036E-05		3.900E-05			6.180E-05	5.202E-04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.001		0.001			0.001	0.001			
CS-140	1.260E+09										
CONCEN (UC/ML)		2.315E-06		1.798E-05			1.098E-05	1.058E-05	2.904E-13		
CURIES		2.266E+00		2.200E+00			3.470E+00	2.922E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		42.395		42.114			42.404	42.368			
GROS-BET-GAM											
CONCEN (UC/ML)		2.586E-10	1.200E-10	9.500E-12	4.700E-11	2.690E-13	3.700E-11	2.450E-10	6.722E-18		
CURIES		2.531E-04	3.609E-06	1.162E-06	1.677E-07	4.045E-08	1.169E-05	6.765E-04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.005	95.390		86.957	86.886		0.001			
GROSS-ALPHA											
CONCEN (UC/ML)		7.600E-14	5.800E-12	1.500E-14	7.050E-12	4.060E-14		1.135E-13	3.115E-21		
CURIES		7.438E-08	1.744E-07	1.835E-09	2.515E-08	6.105E-09		3.135E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			4.610		13.043	13.114					
KR-85M	1.867E-01										
CONCEN (UC/ML)		2.894E-09		2.207E-08			1.373E-08	1.321E-08	3.625E-16	1.00E-07	
CURIES		2.832E-03		2.700E-03			4.340E-03	3.648E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.053		0.052			0.053	0.053			
KR-87	5.278E-02										
CONCEN (UC/ML)		1.656E-08		1.308E-07			7.848E-08	7.580E-08	2.080E-15	2.00E-08	
CURIES		1.621E-02		1.600E-02			2.480E-02	2.093E-01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.303		0.306			0.303	0.304			

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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 TREAT AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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 ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
KR-88	1.183E-01										
CONCEN (UC/ML)		1.158E-08		8.992E-08			5.506E-08	5.292E-08	1.452E-15	9.00E-09	
CURIES		1.133E-02		1.100E-02			1.740E-02	1.462E-01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.212		0.211			0.213	0.212			
LA-140	1.678E+00										
CONCEN (UC/ML)		4.124E-15		3.188E-14			1.956E-14	1.884E-14	5.170E-22	3.00E-09	
CURIES		4.036E-09		3.900E-09			6.180E-09	5.202E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
RB-88	1.229E-02										
CONCEN (UC/ML)		1.034E-10		8.011E-10			4.905E-10	4.727E-10	1.297E-17	3.00E-08	
CURIES		1.012E-04		9.800E-05			1.550E-04	1.305E-03			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.002		0.002			0.002	0.002			
XE-133	5.250E+00										
CONCEN (UC/ML)		1.447E-09		1.144E-08			6.867E-09	6.622E-09	1.817E-16	5.00E-07	
CURIES		1.416E-03		1.400E-03			2.170E-03	1.829E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.026		0.027			0.027	0.027			
XE-135	3.792E-01										
CONCEN (UC/ML)		2.894E-09		2.207E-08			1.373E-08	1.324E-08	3.634E-16	8.00E-08	
CURIES		2.832E-03		2.700E-03			4.340E-03	3.657E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.053		0.052			0.053	0.053			
XE-140	1.570E-04										
CONCEN (UC/ML)		2.387E-06		1.880E-05			1.133E-05	1.092E-05	2.998E-13		
CURIES		2.336E+00		2.300E+00			3.580E+00	3.017E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		43.704		44.028			43.748	43.743			

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U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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TREAT AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
TOTALS										
ALPHA CURIES		7.438E-08	1.744E-07	1.835E-09	2.515E-08	6.105E-09		3.135E-07		
% OF TOTAL			4.610		13.043	13.114				
B+G CURIES		5.345E+00	3.609E-06	5.224E+00	1.677E-07	4.045E-08	8.183E+00	6.896E+01		
% OF TOTAL		100.000	95.390	100.000	86.957	86.886	100.000	99.999		
VOLUME (CU. METERS)		9.786E+05	3.007E+04	1.223E+05	3.568E+03	1.504E+05	3.160E+05	2.762E+06		

GRAND TOTALS (CURIES)		5.345E+00	3.783E-06	5.224E+00	1.929E-07	4.655E-08	8.183E+00	6.896E+01		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

ZPPR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROS-BET-GAM											
CONCEN (UC/ML)				2.800E-15			5.520E-16	7.787E-16	2.686E-23		
CURIES				1.644E-08			3.350E-09	5.563E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL				98.373			100.000	77.624			
GROSS-ALPHA											
CONCEN (UC/ML)		9.200E-17	1.280E-16	4.630E-17	3.880E-17	2.230E-15		2.245E-16	7.743E-24		
CURIES		5.583E-10	7.767E-10	2.719E-10	2.354E-10	1.309E-08		1.604E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		100.000	100.000	1.627	100.000	100.000		22.376			
TOTALS											
ALPHA CURIES		5.583E-10	7.767E-10	2.719E-10	2.354E-10	1.309E-08		1.604E-08			
% OF TOTAL		100.000	100.000	1.627	100.000	100.000		22.376			
B+G CURIES				1.644E-08			3.350E-09	5.563E-08			
% OF TOTAL				98.373			100.000	77.624			
VOLUME (CU. METERS)		6.068E+06	6.068E+06	5.872E+06	6.068E+06	5.872E+06	6.068E+06	7.144E+07			
GRAND TOTALS (CURIES)											
		5.583E-10	7.767E-10	1.671E-08	2.354E-10	1.309E-08	3.350E-09	7.167E-08			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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**ANL Facility Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

EBR-II AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		5.667E-09	4.904E-10	8.072E-09			6.764E-09	3.550E-09	2.874E-15	1.00E-08	
CURIES		5.014E-02	3.919E-03	7.142E-02			5.792E-02	1.834E-01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.120	0.055	0.222			0.067	0.064			
H-3	4.490E+03										
CONCEN (UC/ML)		1.143E-08	1.190E-09	1.718E-08	6.337E-10	4.630E-10	1.540E-08	7.821E-09	6.333E-15	1.00E-07	
CURIES		1.011E-01	9.508E-03	1.520E-01	5.426E-03	4.097E-03	1.319E-01	4.040E-01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.243	0.133	0.473	0.007	0.010	0.153	0.142			
KR-85M	1.867E-01										
CONCEN (UC/ML)		2.314E-07	6.909E-10	3.628E-07	4.933E-08	1.371E-07	7.086E-07	2.510E-07	2.032E-13	1.00E-07	
CURIES		2.047E+00	5.522E-03	3.210E+00	4.224E-01	1.213E+00	6.068E+00	1.297E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.919	0.078	9.984	0.553	2.922	7.046	4.551			
KR-87	5.278E-02										
CONCEN (UC/ML)		1.574E-07	1.471E-09	4.682E-07	1.136E-07	3.941E-07	5.113E-07	2.785E-07	2.255E-13	2.00E-08	
CURIES		1.393E+00	1.176E-02	4.143E+00	9.727E-01	3.487E+00	4.378E+00	1.439E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.347	0.165	12.886	1.274	8.401	5.083	5.050			
KR-88	1.183E-01										
CONCEN (UC/ML)		1.863E-07	1.335E-09	5.589E-07	7.710E-08	3.791E-07	8.629E-07	3.486E-07	2.822E-13	9.00E-09	
CURIES		1.648E+00	1.067E-02	4.945E+00	6.602E-01	3.354E+00	7.389E+00	1.801E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.960	0.150	15.381	0.865	8.080	8.580	6.321			
XE-133	5.250E+00										
CONCEN (UC/ML)		2.076E-06	8.833E-07	2.377E-07	8.443E-06	3.023E-06	2.757E-06	2.907E-06	2.354E-12	5.00E-07	
CURIES		1.837E+01	7.059E+00	2.103E+00	7.230E+01	2.675E+01	2.361E+01	1.502E+02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		44.144	99.092	6.541	94.679	64.444	27.414	52.720			
XE-135	3.792E-01										
CONCEN (UC/ML)		1.884E-06	4.238E-10	1.611E-06	8.047E-08	1.702E-07	4.892E-06	1.452E-06	1.176E-12	8.00E-08	
CURIES		1.667E+01	3.387E-03	1.425E+01	6.891E-01	1.506E+00	4.189E+01	7.501E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		40.059	0.048	44.323	0.902	3.628	48.639	26.329			

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

EBR-II AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
XE-135M	1.062E-02										
CONCEN (UC/ML)		8.509E-08	4.721E-10	9.785E-08	3.976E-08	1.792E-07	6.937E-08	8.019E-08	6.493E-14	5.00E-08	
CURIES		7.529E-01	3.773E-03	8.658E-01	3.405E-01	1.586E+00	5.940E-01	4.143E+00			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		1.809	0.053	2.693	0.446	3.821	0.690	1.454			
XE-138	9.792E-03										
CONCEN (UC/ML)		6.573E-08	2.021E-09	2.724E-07	1.137E-07	4.079E-07	2.341E-07	1.857E-07	1.504E-13	2.00E-08	
CURIES		5.816E-01	1.615E-02	2.410E+00	9.733E-01	3.609E+00	2.005E+00	9.595E+00			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		1.398	0.227	7.496	1.275	8.694	2.328	3.368			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		4.161E+01	7.124E+00	3.215E+01	7.636E+01	4.151E+01	8.612E+01	2.849E+02			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		8.848E+06	7.992E+06	8.848E+06	8.563E+06	8.848E+06	8.563E+06	5.166E+07			
GRAND TOTALS (CURIES)		4.161E+01	7.124E+00	3.215E+01	7.636E+01	4.151E+01	8.612E+01	2.849E+02			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

EBR-II LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
H-3	4.490E+03									
CONCEN (UC/ML)		2.973E-05	2.973E-05	4.027E-05	4.027E-05	4.027E-05	6.189E-05	4.400E-05	2.00E-03	2.20
CURIES		2.768E-03	7.991E-04	9.238E-03	1.357E-03	1.024E-03	9.655E-03	2.484E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		2.768E-03	7.991E-04	9.238E-03	1.357E-03	1.024E-03	9.655E-03	2.484E-02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (LITERS)		9.312E+04	2.688E+04	2.294E+05	3.369E+04	2.544E+04	1.560E+05	5.645E+05		

GRAND TOTALS (CURIES)		2.768E-03	7.991E-04	9.238E-03	1.357E-03	1.024E-03	9.655E-03	2.484E-02		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
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FASB AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROS-BET-GAM											
CONCEN (UC/ML)		9.460E-15			4.800E-15		1.380E-15	2.645E-15	3.512E-22		
CURIES		1.201E-07			5.899E-08		1.696E-08	1.961E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		82.765			83.045		100.000	84.104			
GROSS-ALPHA											
CONCEN (UC/ML)		1.970E-15			9.800E-16			4.998E-16	6.638E-23		
CURIES		2.502E-08			1.204E-08			3.706E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		17.235			16.955			15.896			
TOTALS											
ALPHA CURIES		2.502E-08			1.204E-08			3.706E-08			
% OF TOTAL		17.235			16.955			15.896			
B+G CURIES		1.201E-07			5.899E-08		1.696E-08	1.961E-07			
% OF TOTAL		82.765			83.045		100.000	84.104			
VOLUME (CU. METERS)		1.270E+07	1.147E+07	1.270E+07	1.229E+07	1.270E+07	1.229E+07	7.415E+07			

GRAND TOTALS (CURIES)		1.452E-07			7.104E-08		1.696E-08	2.332E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

FMF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-BET-GAM											
CONCEN (UC/ML)		2.450E-13	5.500E-15		3.700E-15	3.400E-15	4.800E-15	4.480E-14	3.709E-21		
CURIES		2.911E-06	5.901E-08		4.255E-08	4.039E-08	5.520E-08	3.108E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		95.666	86.207		71.154	100.000	91.796	95.002			
GROSS-ALPHA											
CONCEN (UC/ML)		1.110E-14	8.800E-16		1.500E-15		4.290E-16	2.357E-15	1.951E-22		
CURIES		1.319E-07	9.442E-09		1.725E-08		4.934E-09	1.635E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.334	13.793		28.846		8.204	4.998			
TOTALS											
ALPHA CURIES		1.319E-07	9.442E-09		1.725E-08		4.934E-09	1.635E-07			
% OF TOTAL		4.334	13.793		28.846		8.204	4.998			
B+G CURIES		2.911E-06	5.901E-08		4.255E-08	4.039E-08	5.520E-08	3.108E-06			
% OF TOTAL		95.666	86.207		71.154	100.000	91.796	95.002			
VOLUME (CU. METERS)		1.188E+07	1.073E+07	1.188E+07	1.150E+07	1.188E+07	1.150E+07	6.937E+07			

GRAND TOTALS (CURIES)		3.042E-06	6.846E-08		5.980E-08	4.039E-08	6.013E-08	3.271E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

HFEF-N AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		8.151E-09	1.657E-08	2.060E-08	2.182E-08	4.076E-09	1.493E-09	1.205E-08	3.138E-15	1.00E-08	
CURIES		4.740E-01	8.700E-01	1.198E+00	1.228E+00	2.370E-01	8.400E-02	4.091E+00			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		10.185	32.955	75.204	29.590	0.820	0.614	7.354			
GROS-BET-GAM											
CONCEN (UC/ML)		3.000E-15	2.300E-15	1.300E-14	2.390E-14	9.800E-15	7.100E-15	9.913E-15	2.581E-21		
CURIES		1.745E-07	1.208E-07	7.560E-07	1.345E-06	5.699E-07	3.995E-07	3.365E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
GROSS-ALPHA											
CONCEN (UC/ML)		4.600E-15	1.460E-15	9.300E-17	2.030E-16		8.900E-16	1.211E-15	3.153E-22		
CURIES		2.675E-07	7.668E-08	5.408E-09	1.142E-08		5.008E-08	4.111E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
KR-85	3.913E+03										
CONCEN (UC/ML)		7.188E-08	3.370E-08	6.793E-09	5.193E-08	4.932E-07	2.415E-07	1.518E-07	3.953E-14	3.00E-06	
CURIES		4.180E+00	1.770E+00	3.950E-01	2.922E+00	2.868E+01	1.359E+01	5.154E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		89.815	67.045	24.796	70.410	99.180	99.386	92.646			
TOTALS											
ALPHA CURIES		2.675E-07	7.668E-08	5.408E-09	1.142E-08		5.008E-08	4.111E-07			
% OF TOTAL											
B+G CURIES		4.654E+00	2.640E+00	1.593E+00	4.150E+00	2.892E+01	1.367E+01	5.563E+01			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		5.815E+07	5.252E+07	5.815E+07	5.627E+07	5.815E+07	5.627E+07	3.395E+08			
GRAND TOTALS (CURIES)		4.654E+00	2.640E+00	1.593E+00	4.150E+00	2.892E+01	1.367E+01	5.563E+01			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

FUEL CYCLE FAC AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
U-235	2.570E+11										
CONCEN (UC/ML)							4.508E-17	7.471E-18	2.156E-24	1.00E-13	
CURIES							2.316E-09	2.316E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL							87.462	87.462			
U-238	1.631E+12										
CONCEN (UC/ML)							6.462E-18	1.071E-18	3.091E-25	1.00E-13	
CURIES							3.320E-10	3.320E-10			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL							12.538	12.538			
TOTALS											
ALPHA CURIES							2.648E-09	2.648E-09			
% OF TOTAL							100.000	100.000			
B+G CURIES											
% OF TOTAL											
VOLUME (CU. METERS)		5.309E+07	4.795E+07	5.309E+07	5.138E+07	5.309E+07	5.138E+07	3.100E+08			
GRAND TOTALS (CURIES)							2.648E-09	2.648E-09			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

L&O MAIN STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROS-BET-GAM											
CONCN (UC/ML)			4.860E-14	9.900E-15	3.930E-14	3.440E-14	2.590E-15	2.205E-14	7.008E-21		
CURIES			1.287E-06	2.904E-07	1.115E-06	1.009E-06	7.350E-08	3.776E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			98.809	100.000	99.117	100.000	100.000	98.721			
GROSS-ALPHA											
CONCN (UC/ML)		8.000E-16	5.860E-16		3.500E-16			2.857E-16	9.081E-23		
CURIES		2.346E-08	1.552E-08		9.933E-09			4.892E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		100.000	1.191		0.883			1.279			
TOTALS											
ALPHA CURIES		2.346E-08	1.552E-08		9.933E-09			4.892E-08			
% OF TOTAL		100.000	1.191		0.883			1.279			
B+G CURIES			1.287E-06	2.904E-07	1.115E-06	1.009E-06	7.350E-08	3.776E-06			
% OF TOTAL			98.809	100.000	99.117	100.000	100.000	98.721			
VOLUME (CU. METERS)		2.933E+07	2.649E+07	2.933E+07	2.838E+07	2.933E+07	2.838E+07	1.712E+08			

GRAND TOTALS (CURIES)		2.346E-08	1.303E-06	2.904E-07	1.125E-06	1.009E-06	7.350E-08	3.824E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

NDA LABORATORY AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-BET-GAM											
CONCEN (UC/ML)			2.620E-15			1.320E-15	1.210E-15	8.319E-16	2.644E-22		
CURIES			4.182E-08			2.332E-08	2.069E-08	8.583E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			100.000			100.000	100.000	97.004			
GROSS-ALPHA											
CONCEN (UC/ML)		1.500E-16						2.569E-17	8.166E-24		
CURIES		2.651E-09						2.651E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		100.000						2.996			
TOTALS											
ALPHA CURIES		2.651E-09						2.651E-09			
% OF TOTAL		100.000						2.996			
B+G CURIES			4.182E-08			2.332E-08	2.069E-08	8.583E-08			
% OF TOTAL			100.000			100.000	100.000	97.004			
VOLUME (CU. METERS)		1.767E+07	1.596E+07	1.767E+07	1.710E+07	1.767E+07	1.710E+07	1.032E+08			
GRAND TOTALS (CURIES)		2.651E-09	4.182E-08			2.332E-08	2.069E-08	8.848E-08			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

RLWTF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROS-BET-GAM											
CONCEN (UC/ML)				9.330E-15	1.240E-14	9.900E-16	4.460E-15	4.562E-15	1.629E-22		
CURIES				3.362E-08	4.323E-08	3.567E-09	1.555E-08	9.596E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL					99.187	0.001	0.003	0.001			
GROSS-ALPHA											
CONCEN (UC/ML)		7.890E-17	2.340E-16	1.000E-16	1.017E-16			8.370E-17	2.988E-24		
CURIES		2.843E-10	7.614E-10	3.603E-10	3.545E-10			1.761E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL					0.813						
H-3	4.490E+03										
CONCEN (UC/ML)		3.078E-10	3.038E-10	2.845E-09		6.933E-11	1.637E-10	6.260E-10	2.235E-17	1.00E-07	
CURIES		1.109E-03	9.886E-04	1.025E-02		2.498E-04	5.708E-04	1.317E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		100.000	100.000	100.000		99.999	99.997	99.999			
TOTALS											
ALPHA CURIES		2.843E-10	7.614E-10	3.603E-10	3.545E-10			1.761E-09			
% OF TOTAL					0.813						
B+G CURIES		1.109E-03	9.886E-04	1.025E-02	4.323E-08	2.498E-04	5.708E-04	1.317E-02			
% OF TOTAL		100.000	100.000	100.000	99.187	100.000	100.000	100.000			
VOLUME (CU. METERS)		3.603E+06	3.254E+06	3.603E+06	3.486E+06	3.603E+06	3.486E+06	2.104E+07			
GRAND TOTALS (CURIES)		1.109E-03	9.886E-04	1.025E-02	4.358E-08	2.498E-04	5.708E-04	1.317E-02			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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SCMS AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROS-BET-GAM											
CONCEN (UC/ML)		1.000E-14	5.660E-15	4.530E-15	6.800E-16	2.230E-15	2.240E-15	4.230E-15	3.777E-22		
CURIES		1.264E-07	6.464E-08	5.726E-08	8.316E-09	2.819E-08	2.740E-08	3.122E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		100.000	92.665	100.000	92.643	96.025	95.563	97.436			
GROSS-ALPHA											
CONCEN (UC/ML)			4.480E-16		5.400E-17	9.230E-17	1.040E-16	1.113E-16	9.939E-24		
CURIES			5.116E-09		6.604E-10	1.167E-09	1.272E-09	8.215E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			7.335		7.357	3.975	4.437	2.564			
TOTALS											
ALPHA CURIES			5.116E-09		6.604E-10	1.167E-09	1.272E-09	8.215E-09			
% OF TOTAL			7.335		7.357	3.975	4.437	2.564			
B+G CURIES		1.264E-07	6.464E-08	5.726E-08	8.316E-09	2.819E-08	2.740E-08	3.122E-07			
% OF TOTAL		100.000	92.665	100.000	92.643	96.025	95.563	97.436			
VOLUME (CU. METERS)		1.264E+07	1.142E+07	1.264E+07	1.223E+07	1.264E+07	1.223E+07	7.380E+07			
<hr/>											
GRAND TOTALS (CURIES)		1.264E-07	6.975E-08	5.726E-08	8.977E-09	2.935E-08	2.867E-08	3.204E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
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RUN DATE: 05/12/94

TREAT AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		4.374E-06	7.438E-06	7.534E-06	3.983E-06	4.568E-06	4.173E-06	5.731E-06	1.573E-13	1.00E-08	
CURIES		7.400E-01	2.862E+00	1.056E+00	6.760E-01	9.150E-01	4.020E-01	6.651E+00			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		13.247	13.246	13.247	13.247	13.246	13.246	13.246			
BA-140	1.276E+01										
CONCEN (UC/ML)		2.493E-10	4.239E-10	4.294E-10	2.270E-10	2.604E-10	2.378E-10	3.266E-10	8.963E-18	3.00E-09	
CURIES		4.218E-05	1.631E-04	6.019E-05	3.853E-05	5.216E-05	2.291E-05	3.791E-04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.001	0.001	0.001	0.001	0.001	0.001	0.001			
CS-140	1.260E+09										
CONCEN (UC/ML)		1.400E-05	2.380E-05	2.411E-05	1.274E-05	1.462E-05	1.335E-05	1.834E-05	5.032E-13		
CURIES		2.368E+00	9.158E+00	3.379E+00	2.163E+00	2.928E+00	1.286E+00	2.128E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		42.389	42.387	42.387	42.385	42.386	42.375	42.386			
GROS-BET-GAM											
CONCEN (UC/ML)		5.280E-12	8.590E-10	1.900E-13	1.060E-10	1.800E-10	2.200E-10	3.504E-10	9.617E-18		
CURIES		8.934E-07	3.305E-04	2.663E-08	1.799E-05	3.606E-05	2.119E-05	4.067E-04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			0.002			0.001	0.001	0.001			
GROSS-ALPHA											
CONCEN (UC/ML)					5.800E-14	4.600E-14	1.300E-13	2.721E-14	7.468E-22		
CURIES					9.844E-09	9.214E-09	1.252E-08	3.158E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
KR-85M	1.867E-01										
CONCEN (UC/ML)		1.749E-08	2.976E-08	3.014E-08	1.593E-08	1.827E-08	1.669E-08	2.293E-08	6.291E-16	1.00E-07	
CURIES		2.960E-03	1.145E-02	4.224E-03	2.704E-03	3.660E-03	1.608E-03	2.661E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.053	0.053	0.053	0.053	0.053	0.053	0.053			
KR-87	5.278E-02										
CONCEN (UC/ML)		1.002E-07	1.703E-07	1.725E-07	9.120E-08	1.046E-07	9.556E-08	1.312E-07	3.601E-15	2.00E-08	
CURIES		1.695E-02	6.554E-02	2.418E-02	1.548E-02	2.095E-02	9.206E-03	1.523E-01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.303	0.303	0.303	0.303	0.303	0.303	0.303			

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TREAT AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
KR-88	1.183E-01										
CONCEN (UC/ML)		6.998E-08	1.190E-07	1.206E-07	6.375E-08	7.309E-08	6.677E-08	9.170E-08	2.516E-15	9.00E-09	
CURIES		1.184E-02	4.579E-02	1.690E-02	1.082E-02	1.464E-02	6.432E-03	1.064E-01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.212	0.212	0.212	0.212	0.212	0.212	0.212			
LA-140	1.678E+00										
CONCEN (UC/ML)		2.493E-14	4.239E-14	4.294E-14	2.270E-14	2.604E-14	2.378E-14	3.266E-14	8.963E-22	3.00E-09	
CURIES		4.218E-09	1.631E-08	6.019E-09	3.853E-09	5.216E-09	2.291E-09	3.791E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
RB-88	1.229E-02										
CONCEN (UC/ML)		6.253E-10	1.064E-09	1.077E-09	5.695E-10	6.530E-10	5.968E-10	8.195E-10	2.249E-17	3.00E-08	
CURIES		1.058E-04	4.093E-04	1.510E-04	9.667E-05	1.308E-04	5.749E-05	9.511E-04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.002	0.002	0.002	0.002	0.002	0.002	0.002			
XE-133	5.250E+00										
CONCEN (UC/ML)		8.747E-09	1.488E-08	1.505E-08	7.965E-09	9.136E-09	8.346E-09	1.146E-08	3.145E-16	5.00E-07	
CURIES		1.480E-03	5.724E-03	2.110E-03	1.352E-03	1.830E-03	8.040E-04	1.330E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.026	0.026	0.026	0.026	0.026	0.026	0.026			
XE-135	3.792E-01										
CONCEN (UC/ML)		1.749E-08	2.976E-08	3.025E-08	1.593E-08	1.827E-08	1.744E-08	2.300E-08	6.312E-16	8.00E-08	
CURIES		2.960E-03	1.145E-02	4.240E-03	2.704E-03	3.660E-03	1.680E-03	2.669E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.053	0.053	0.053	0.053	0.053	0.055	0.053			
XE-140	1.570E-04										
CONCEN (UC/ML)		1.443E-05	2.455E-05	2.486E-05	1.314E-05	1.508E-05	1.377E-05	1.891E-05	5.190E-13		
CURIES		2.442E+00	9.445E+00	3.485E+00	2.231E+00	3.020E+00	1.327E+00	2.195E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		43.714	43.715	43.716	43.718	43.718	43.726	43.716			

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TREAT AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
TOTALS										
ALPHA CURIES					9.844E-09	9.214E-09	1.252E-08	3.158E-08		
% OF TOTAL										
B+G CURIES		5.586E+00	2.161E+01	7.972E+00	5.103E+00	6.908E+00	3.035E+00	5.021E+01		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.999		
VOLUME (CU. METERS)		1.692E+05	3.848E+05	1.402E+05	1.697E+05	2.003E+05	9.633E+04	1.161E+06		

GRAND TOTALS (CURIES)		5.586E+00	2.161E+01	7.972E+00	5.103E+00	6.908E+00	3.035E+00	5.021E+01		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ZPPR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-BET-GAM											
CONCEN (UC/ML)			2.890E-16	5.030E-15			6.360E-16	1.012E-15	3.490E-23		
CURIES			1.584E-09	3.052E-08			3.735E-09	3.584E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			100.000	100.000			88.064	97.023			
GROSS-ALPHA											
CONCEN (UC/ML)						9.780E-17	8.620E-17	3.104E-17	1.071E-24		
CURIES						5.935E-10	5.062E-10	1.100E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL						100.000	11.936	2.977			
TOTALS											
ALPHA CURIES						5.935E-10	5.062E-10	1.100E-09			
% OF TOTAL						100.000	11.936	2.977			
B+G CURIES			1.584E-09	3.052E-08			3.735E-09	3.584E-08			
% OF TOTAL			100.000	100.000			88.064	97.023			
VOLUME (CU. METERS)		6.068E+06	5.480E+06	6.068E+06	5.872E+06	6.068E+06	5.872E+06	3.543E+07			

GRAND TOTALS (CURIES)			1.584E-09	3.052E-08		5.935E-10	4.241E-09	3.694E-08			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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Central Facilities Area 1993 Detail Data

Central Facilities Area (CFA) Bar Graphs of Annual Data by Month	CFA-3
CY1993 Bar Graphs	CFA-5
CFA Detail Data for Months July to December, Annual Average Concentration and Total Curies for January to December	CFA-7
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Report 161—CFA Liquid Waste Summary	CFA-10
Report 162—CFA Disposed Solid Waste Summary	CFA-11
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CFA Detail Data for Months January to June, Annual Average Concentration and Total Curies for January to June	CFA-15
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CFA Facility Detail Data for Months January to June, Annual Average Concentration and Total Curies for January to June	CFA-29
Report 185—CFA Laundry Airborne Waste Summary	CFA-31
Report 184—CFA Respirator Airborne Waste Summary	CFA-32
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Central Facilities Area (CFA) Bar Graphs of Annual Data by Month

Central Facility Area (CFA) Monthly Details - CY 1993

CFA CY 1993 AIRBORNE EFFLUENT

CFA CY 1993 LIQUID EFFLUENT

CFA CY 1993 SHIPPED LOW LEVEL WASTE

**CFA Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CFA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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CFA-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
GROSS-ALPHA											
CONCEN (UC/ML)		3.162E-15						5.291E-15	1.311E-21		
CURIES		1.517E-08						1.819E-07			
% OF TOTAL		12.933						11.806			
GROSS-BETA											
CONCEN (UC/ML)		2.111E-14						3.741E-14	9.275E-21		
CURIES		1.013E-07						1.287E-06			
% OF TOTAL		86.361						83.488			
SR-90	1.059E+04										
CONCEN (UC/ML)		8.634E-17						1.055E-15	2.614E-22	9.00E-12	
CURIES		4.143E-10						3.627E-08			
% OF TOTAL		0.353						2.353			
Y-90	2.667E+00										
CONCEN (UC/ML)		8.634E-17						1.055E-15	2.614E-22	1.00E-09	
CURIES		4.143E-10						3.627E-08			
% OF TOTAL		0.353						2.353			
TOTALS											
ALPHA CURIES		1.517E-08						1.819E-07			
% OF TOTAL		12.933						11.806			
B+G CURIES		1.021E-07						1.359E-06			
% OF TOTAL		87.067						88.194			
VOLUME (CU. METERS)		4.798E+06						3.439E+07			
<hr/>											
GRAND TOTALS (CURIES)		1.173E-07						1.541E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 CFA LIQUID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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 CFA-L

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		-1.266E-12	-5.018E-12		3.711E-12	4.927E-13	-1.062E-12	1.300E-12		
CURIES		-7.000E-09	-2.000E-08		2.000E-08	2.000E-09	-3.000E-09	5.700E-08		
% OF TOTAL		-0.047	-0.435		0.157	0.013	-0.023	0.046		
GROSS-BETA										
CONCEN (UC/ML)		3.617E-12	5.018E-12		1.113E-12	2.464E-12	-1.769E-12	4.493E-12		
CURIES		2.000E-08	2.000E-08		6.000E-09	1.000E-08	-5.000E-09	1.970E-07		
% OF TOTAL		0.133	0.435		0.047	0.065	-0.039	0.161		
H-3										
CONCEN (UC/ML)	4.490E+03	2.713E-09	1.154E-09		2.357E-09	3.794E-09	4.529E-09	2.789E-09	2.00E-03	
CURIES		1.500E-05	4.600E-06		1.270E-05	1.540E-05	1.280E-05	1.223E-04		
% OF TOTAL		99.887	100.043		99.843	99.961	100.047	99.750		
SR-90										
CONCEN (UC/ML)	1.059E+04	3.617E-13	-2.509E-13		-5.567E-13	-7.391E-13	3.539E-13	5.953E-13	1.00E-06	
CURIES		2.000E-09	-1.000E-09		-3.000E-09	-3.000E-09	1.000E-09	2.610E-08		
% OF TOTAL		0.013	-0.022		-0.024	-0.019	0.008	0.021		
Y-90										
CONCEN (UC/ML)	2.667E+00	3.617E-13	-2.509E-13		-5.567E-13	-7.391E-13	3.539E-13	5.953E-13	1.00E-05	
CURIES		2.000E-09	-1.000E-09		-3.000E-09	-3.000E-09	1.000E-09	2.610E-08		
% OF TOTAL		0.013	-0.022		-0.024	-0.019	0.008	0.021		
TOTALS										
ALPHA CURIES		-7.000E-09	-2.000E-08		2.000E-08	2.000E-09	-3.000E-09	5.700E-08		
% OF TOTAL		-0.047	-0.435		0.157	0.013	-0.023	0.046		
B+G CURIES		1.502E-05	4.618E-06		1.270E-05	1.540E-05	1.280E-05	1.225E-04		
% OF TOTAL		100.047	100.435		99.843	99.987	100.023	99.953		
VOLUME (LITERS)		5.529E+06	3.986E+06		5.389E+06	4.059E+06	2.826E+06	4.385E+07		
GRAND TOTALS (CURIES)		1.502E-05	4.598E-06		1.272E-05	1.541E-05	1.279E-05	1.226E-04		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CFA DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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CFA-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AM-241	1.577E+05							
CURIES								4.952E-06
% OF TOTAL								0.031
GRAMS								1.440E-06
CE-144	2.844E+02							
CURIES				4.275E-05				4.275E-05
% OF TOTAL				0.500				0.267
CO-60	1.924E+03							
CURIES				2.821E-03		2.290E-05	7.418E-04	3.586E-03
% OF TOTAL				33.000		50.000	9.994	22.360
CS-134	7.537E+02							
CURIES							1.396E-03	1.396E-03
% OF TOTAL							18.807	8.704
CS-137	1.101E+04							
CURIES				5.557E-03		2.290E-05	1.801E-03	7.396E-03
% OF TOTAL				65.000		50.000	24.263	46.116
RA-226	5.840E+05							
CURIES							3.484E-03	3.484E-03
% OF TOTAL							46.937	21.723
SR-90	1.059E+04							
CURIES				8.550E-05				8.550E-05
% OF TOTAL				1.000				0.533
U-238	1.631E+12							
CURIES				4.275E-05				4.275E-05
% OF TOTAL				0.500				0.267
GRAMS				1.272E+02				1.272E+02

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CFA DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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CFA-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL	
TOTALS									
ALPHA CURIES				4.275E-05			3.484E-03	3.532E-03	
% OF TOTAL				0.500			46.937	22.020	
B+G CURIES				8.507E-03		4.581E-05	3.939E-03	1.251E-02	
% OF TOTAL				99.500		100.000	53.064	77.979	
TOTAL GRAMS OF AM									
								1.440E-06	
TOTAL GRAMS OF PU									
TOTAL GRAMS OF PU-239+241									
				1.272E+02					1.272E+02
TOTAL GRAMS OF U									
TOTAL GRAMS OF TH									
TOTAL GRAMS OF NP									
				1.813E+01		3.624E+01	2.430E+00	8.396E+01	
VOLUME (CU. METERS)				8.483E+03		1.703E+04	1.066E+03	3.545E+04	
WEIGHT (KILOGRAMS)									

GRAND TOTALS (CURIES)				8.550E-03		4.581E-05	7.423E-03	1.604E-02	

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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CFA-SCFA SOLID WASTE SUMMARY
WERF INCINERATOR PROCESSED WASTE
FROM JAN THROUGH DEC 1993

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CO-60	1.924E+03							
CURIES								3.252E-07
% OF TOTAL								9.570
CS-137	1.101E+04							
CURIES								3.073E-06
% OF TOTAL								90.430
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								3.398E-06
% OF TOTAL								99.999
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								
WEIGHT (KILOGRAMS)								

GRAND TOTALS (CURIES)								3.398E-06

CFA-13

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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CFA-S

NUCLIDES	HALF LIFE (DAYS)	CFA SOLID WASTE SUMMARY WASTE SENT TO WERF FOR COMPACTION FROM JAN THROUGH DEC 1993						ANNUAL TOTAL
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
CO-60	1.924E+03							
CURIES								5.000E-04
% OF TOTAL								12.195
CS-137	1.101E+04							
CURIES								3.600E-03
% OF TOTAL								87.805
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								4.100E-03
% OF TOTAL								100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								
WEIGHT (KILOGRAMS)								

GRAND TOTALS (CURIES)								
4.100E-03								

CFA-14

**CFA Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

CFA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 160
CFA-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
GROSS-ALPHA											
CONCEN (UC/ML)		5.958E-15	1.273E-14	7.779E-15	3.972E-15	1.540E-15	1.702E-15	5.636E-15	1.397E-21		
CURIES		2.954E-08	6.312E-08	3.857E-08	1.969E-08	7.388E-09	8.441E-09	1.668E-07			
% OF TOTAL		12.164	58.671	8.980	5.527	7.179	4.575	11.713			
GROSS-BETA											
CONCEN (UC/ML)		4.135E-14	8.091E-15	7.961E-14	5.817E-14	1.814E-14	3.429E-14	4.006E-14	9.930E-21		
CURIES		2.050E-07	4.012E-08	3.947E-07	2.884E-07	8.704E-08	1.700E-07	1.185E-06			
% OF TOTAL		84.413	37.288	91.898	80.934	84.574	92.131	83.251			
SR-90											
CONCEN (UC/ML)	1.059E+04	8.384E-16	4.385E-16	-3.806E-16	4.866E-15	8.845E-16	6.131E-16	1.212E-15	3.004E-22	9.00E-12	
CURIES		4.157E-09	2.174E-09	-1.887E-09	2.412E-08	4.244E-09	3.040E-09	3.585E-08			
% OF TOTAL		1.712	2.021	-0.439	6.770	4.124	1.648	2.518			
Y-90											
CONCEN (UC/ML)	2.667E+00	8.384E-16	4.385E-16	-3.806E-16	4.866E-15	8.845E-16	6.131E-16	1.212E-15	3.004E-22	1.00E-09	
CURIES		4.157E-09	2.174E-09	-1.887E-09	2.412E-08	4.244E-09	3.040E-09	3.585E-08			
% OF TOTAL		1.712	2.021	-0.439	6.770	4.124	1.648	2.518			
TOTALS											
ALPHA CURIES		2.954E-08	6.312E-08	3.857E-08	1.969E-08	7.388E-09	8.441E-09	1.668E-07			
% OF TOTAL		12.164	58.671	8.980	5.527	7.179	4.575	11.713			
B+G CURIES		2.133E-07	4.446E-08	3.909E-07	3.366E-07	9.553E-08	1.761E-07	1.257E-06			
% OF TOTAL		87.836	41.329	91.020	94.473	92.821	95.425	88.287			
VOLUME (CU. METERS)		4.958E+06	4.958E+06	4.958E+06	4.958E+06	4.798E+06	4.958E+06	2.959E+07			
<hr/>											
GRAND TOTALS (CURIES)		2.429E-07	1.076E-07	4.295E-07	3.563E-07	1.029E-07	1.845E-07	1.424E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

CFA LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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CFA-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		1.770E-12	1.962E-11	-9.025E-13	-1.189E-12	1.254E-12	2.152E-12	2.947E-12		
CURIES		6.000E-09	5.000E-08	-3.000E-09	-4.000E-09	6.000E-09	1.000E-08	6.500E-08		
% OF TOTAL		0.039	0.330	-0.020	-2.198	3.704	0.062	0.105		
GROSS-BETA										
CONCEN (UC/ML)		3.540E-12	3.925E-11	-9.025E-13	8.921E-12	4.179E-13	1.076E-12	6.619E-12		
CURIES		1.200E-08	1.000E-07	-3.000E-09	3.000E-08	2.000E-09	5.000E-09	1.460E-07		
% OF TOTAL		0.077	0.660	-0.020	16.484	1.235	0.031	0.235		
H-3										
CONCEN (UC/ML)	4.490E+03	4.572E-09	5.887E-09	4.513E-09	4.163E-11	3.134E-11	3.443E-09	2.801E-09	2.00E-03	
CURIES		1.550E-05	1.500E-05	1.500E-05	1.400E-07	1.500E-07	1.600E-05	6.179E-05		
% OF TOTAL		99.909	98.945	100.080	76.923	92.593	99.657	99.563		
SR-90										
CONCEN (UC/ML)	1.059E+04	-5.605E-13	1.962E-12	-9.025E-13	2.379E-12	4.179E-13	4.304E-12	1.365E-12	1.00E-06	
CURIES		-1.900E-09	5.000E-09	-3.000E-09	8.000E-09	2.000E-09	2.000E-08	3.010E-08		
% OF TOTAL		-0.012	0.033	-0.020	4.396	1.235	0.125	0.049		
Y-90										
CONCEN (UC/ML)	2.667E+00	-5.605E-13	1.962E-12	-9.025E-13	2.379E-12	4.179E-13	4.304E-12	1.365E-12	1.00E-05	
CURIES		-1.900E-09	5.000E-09	-3.000E-09	8.000E-09	2.000E-09	2.000E-08	3.010E-08		
% OF TOTAL		-0.012	0.033	-0.020	4.396	1.235	0.125	0.049		
TOTALS										
ALPHA CURIES		6.000E-09	5.000E-08	-3.000E-09	-4.000E-09	6.000E-09	1.000E-08	6.500E-08		
% OF TOTAL		0.039	0.330	-0.020	-2.198	3.704	0.062	0.105		
B+G CURIES		1.551E-05	1.511E-05	1.499E-05	1.860E-07	1.560E-07	1.605E-05	6.200E-05		
% OF TOTAL		99.961	99.670	100.020	102.198	96.296	99.938	99.895		
VOLUME (LITERS)		3.390E+06	2.548E+06	3.324E+06	3.363E+06	4.786E+06	4.647E+06	2.206E+07		
GRAND TOTALS (CURIES)		1.551E-05	1.516E-05	1.499E-05	1.820E-07	1.620E-07	1.605E-05	6.206E-05		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

CFA DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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CFA-S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
AM-241	1.577E+05							
CURIES						4.952E-06		4.952E-06
% OF TOTAL						25.027		25.027
GRAMS						1.440E-06		1.440E-06
CS-137	1.101E+04							
CURIES						1.483E-05		1.483E-05
% OF TOTAL						74.974		74.973
TOTALS								
ALPHA CURIES						4.952E-06		4.952E-06
% OF TOTAL						25.027		25.027
B+G CURIES						1.483E-05		1.483E-05
% OF TOTAL						74.974		74.973
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM						1.440E-06		1.440E-06
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)						2.716E+01		2.716E+01
WEIGHT (KILOGRAMS)						8.873E+03		8.873E+03
GRAND TOTALS (CURIES)						1.979E-05		1.979E-05

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

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CFA-S

NUCLIDES	HALF LIFE (DAYS)	CFA SOLID WASTE SUMMARY MERF INCINERATOR PROCESSED WASTE FROM JAN THROUGH JUN 1993						ANNUAL TOTAL
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	
CO-60	1.924E+03							
CURIES					3.252E-07			3.252E-07
% OF TOTAL					9.570			9.570
CS-137	1.101E+04							
CURIES					3.073E-06			3.073E-06
% OF TOTAL					90.430			90.430
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES					3.398E-06			3.398E-06
% OF TOTAL					100.000			99.999
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)					1.657E+01			1.657E+01
WEIGHT (KILOGRAMS)					8.260E+02			8.260E+02

GRAND TOTALS (CURIES)					3.398E-06			3.398E-06

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

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CFA-S

NUCLIDES	HALF LIFE (DAYS)	CFA SOLID WASTE SUMMARY WASTE SENT TO WERF FOR COMPACTION FROM JAN THROUGH JUN 1993						ANNUAL TOTAL
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	
CO-60	1.924E+03							
CURIES					5.000E-04			5.000E-04
% OF TOTAL					12.195			12.195
CS-137	1.101E+04							
CURIES					3.600E-03			3.600E-03
% OF TOTAL					87.805			87.805
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES					4.100E-03			4.100E-03
% OF TOTAL					100.000			100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)					3.625E+00			3.625E+00
WEIGHT (KILOGRAMS)					6.538E+02			6.538E+02

GRAND TOTALS (CURIES)					4.100E-03			4.100E-03

CFA-21

**CFA Facility Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CFA LAUNDRY AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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CFA/CFA-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		2.680E-15						3.331E-15	8.258E-22	
CURIES		1.190E-08						1.060E-07		
UNCERT(CURIES)		3.070E-09								
UNCERT(UC/ML)										
% OF TOTAL		12.840						8.237		
GROSS-BETA										
CONCEN (UC/ML)		1.817E-14						3.498E-14	8.671E-21	
CURIES		8.070E-08						1.113E-06		
UNCERT(CURIES)		7.100E-09								
UNCERT(UC/ML)										
% OF TOTAL		87.073						86.490		
SR-90 1.059E+04										
CONCEN (UC/ML)		9.075E-18						1.066E-15	2.643E-22	9.00E-12
CURIES		4.030E-11						3.393E-08		
UNCERT(CURIES)		1.130E-11								
UNCERT(UC/ML)										
% OF TOTAL		0.043						2.636		
Y-90 2.667E+00										
CONCEN (UC/ML)		9.075E-18						1.066E-15	2.643E-22	1.00E-09
CURIES		4.030E-11						3.393E-08		
UNCERT(CURIES)		1.130E-11								
UNCERT(UC/ML)										
% OF TOTAL		0.043						2.636		
TOTALS										
ALPHA CURIES		1.190E-08						1.060E-07		
% OF TOTAL		12.840						8.237		
B+G CURIES		8.078E-08						1.181E-06		
% OF TOTAL		87.160						91.763		
VOLUME (CU. METERS)		4.441E+06						3.183E+07		
<hr/>										
GRAND TOTALS (CURIES)		9.268E-08						1.287E-06		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CFA RESPIRATOR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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CFA/CFA-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA											
CONCEN (UC/ML)		9.155E-15						2.965E-14	7.350E-21		
CURIES		3.270E-09						7.590E-08			
UNCERT(CURIES)		5.140E-10									
UNCERT(UC/ML)											
% OF TOTAL		13.283						29.893			
GROSS-BETA											
CONCEN (UC/ML)		5.767E-14						6.771E-14	1.679E-20		
CURIES		2.060E-08						1.733E-07			
UNCERT(CURIES)		1.420E-09									
UNCERT(UC/ML)											
% OF TOTAL		83.679						68.267			
SR-90 1.059E+04											
CONCEN (UC/ML)		1.047E-15						9.125E-16	2.262E-22	9.00E-12	
CURIES		3.740E-10						2.336E-09			
UNCERT(CURIES)		1.170E-10									
UNCERT(UC/ML)											
% OF TOTAL		1.519						0.920			
Y-90 2.667E+00											
CONCEN (UC/ML)		1.047E-15						9.125E-16	2.262E-22	1.00E-09	
CURIES		3.740E-10						2.336E-09			
UNCERT(CURIES)		1.170E-10									
UNCERT(UC/ML)											
% OF TOTAL		1.519						0.920			
TOTALS											
ALPHA CURIES		3.270E-09						7.590E-08			
% OF TOTAL		13.283						29.893			
B+G CURIES		2.135E-08						1.780E-07			
% OF TOTAL		86.717						70.107			
VOLUME (CU. METERS)		3.572E+05						2.560E+06			

GRAND TOTALS (CURIES)		2.462E-08						2.539E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 CFA LIQUID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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 CFA-L

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		-1.266E-12	-5.018E-12		3.711E-12	4.927E-13	-1.062E-12	1.300E-12		
CURIES		-7.000E-09	-2.000E-08		2.000E-08	2.000E-09	-3.000E-09	5.700E-08		
UNCERT(CURIES)		1.100E-08	1.000E-08		1.000E-08	8.000E-09	1.000E-08			
UNCERT(UC/ML)										
% OF TOTAL		-0.047	-0.435		0.157	0.013	-0.023	0.046		
GROSS-BETA										
CONCEN (UC/ML)		3.617E-12	5.018E-12		1.113E-12	2.464E-12	-1.769E-12	4.493E-12		
CURIES		2.000E-08	2.000E-08		6.000E-09	1.000E-08	-5.000E-09	1.970E-07		
UNCERT(CURIES)		3.000E-08	2.000E-08		1.800E-08	2.000E-08	1.800E-08			
UNCERT(UC/ML)										
% OF TOTAL		0.133	0.435		0.047	0.065	-0.039	0.161		
H-3										
CONCEN (UC/ML)	4.490E+03	2.713E-09	1.154E-09		2.357E-09	3.794E-09	4.529E-09	2.789E-09	2.00E-03	
CURIES		1.500E-05	4.600E-06		1.270E-05	1.540E-05	1.280E-05	1.223E-04		
UNCERT(CURIES)		3.000E-06	6.000E-07		1.300E-06	1.300E-06	1.500E-06			
UNCERT(UC/ML)										
% OF TOTAL		99.887	100.043		99.843	99.961	100.047	99.750		
SR-90										
CONCEN (UC/ML)	1.059E+04	3.617E-13	-2.509E-13		-5.567E-13	-7.391E-13	3.539E-13	5.953E-13	1.00E-06	
CURIES		2.000E-09	-1.000E-09		-3.000E-09	-3.000E-09	1.000E-09	2.610E-08		
UNCERT(CURIES)		1.000E-09	2.000E-09		2.000E-09	2.000E-09	2.000E-09			
UNCERT(UC/ML)										
% OF TOTAL		0.013	-0.022		-0.024	-0.019	0.008	0.021		
Y-90										
CONCEN (UC/ML)	2.667E+00	3.617E-13	-2.509E-13		-5.567E-13	-7.391E-13	3.539E-13	5.953E-13	1.00E-05	
CURIES		2.000E-09	-1.000E-09		-3.000E-09	-3.000E-09	1.000E-09	2.610E-08		
UNCERT(CURIES)		1.000E-09	2.000E-09		2.000E-09	2.000E-09	2.000E-09			
UNCERT(UC/ML)										
% OF TOTAL		0.013	-0.022		-0.024	-0.019	0.008	0.021		
TOTALS										
ALPHA CURIES		-7.000E-09	-2.000E-08		2.000E-08	2.000E-09	-3.000E-09	5.700E-08		
% OF TOTAL		-0.047	-0.435		0.157	0.013	-0.023	0.046		
B+G CURIES		1.502E-05	4.618E-06		1.270E-05	1.540E-05	1.280E-05	1.225E-04		
% OF TOTAL		100.047	100.435		99.843	99.987	100.023	99.953		
VOLUME (LITERS)		5.529E+06	3.986E+06		5.389E+06	4.059E+06	2.826E+06	4.385E+07		
GRAND TOTALS (CURIES)										
		1.502E-05	4.598E-06		1.272E-05	1.541E-05	1.279E-05	1.226E-04		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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**CFA Facility Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

CFA LAUNDRY AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 185
CFA/CFA-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA											
CONCEN (UC/ML)		5.622E-15	4.707E-18	7.387E-15	4.228E-15	1.635E-15	1.687E-15	3.437E-15	8.520E-22		
CURIES		2.580E-08	2.160E-11	3.390E-08	1.940E-08	7.260E-09	7.740E-09	9.412E-08			
UNCERT(CURIES)		6.450E-09	6.760E-12	4.680E-09	4.840E-09	2.740E-09	3.070E-09				
UNCERT(UC/ML)											
% OF TOTAL		11.895	0.500	8.797	5.984	7.715	4.565	7.880			
GROSS-BETA											
CONCEN (UC/ML)		4.010E-14	9.065E-17	7.736E-14	5.622E-14	1.781E-14	3.399E-14	3.770E-14	9.346E-21		
CURIES		1.840E-07	4.160E-10	3.550E-07	2.580E-07	7.910E-08	1.560E-07	1.033E-06			
UNCERT(CURIES)		2.900E-08	2.450E-11	1.940E-08	1.520E-08	6.940E-09	1.020E-08				
UNCERT(UC/ML)											
% OF TOTAL		84.832	9.635	92.122	79.581	84.060	92.014	86.445			
SR-90											
	1.059E+04										
CONCEN (UC/ML)		7.736E-16	4.228E-16	-3.857E-16	5.099E-15	8.714E-16	6.319E-16	1.237E-15	3.068E-22	9.00E-12	
CURIES		3.550E-09	1.940E-09	-1.770E-09	2.340E-08	3.870E-09	2.900E-09	3.389E-08			
UNCERT(CURIES)		6.450E-10	4.840E-10	9.680E-10	1.450E-09	4.840E-10	4.840E-10				
UNCERT(UC/ML)											
% OF TOTAL		1.637	44.932	-0.459	7.218	4.113	1.711	2.837			
Y-90											
	2.667E+00										
CONCEN (UC/ML)		7.736E-16	4.228E-16	-3.857E-16	5.099E-15	8.714E-16	6.319E-16	1.237E-15	3.068E-22	1.00E-09	
CURIES		3.550E-09	1.940E-09	-1.770E-09	2.340E-08	3.870E-09	2.900E-09	3.389E-08			
UNCERT(CURIES)		6.450E-10	4.840E-10	9.680E-10	1.450E-09	4.840E-10	4.840E-10				
UNCERT(UC/ML)											
% OF TOTAL		1.637	44.932	-0.459	7.218	4.113	1.711	2.837			
TOTALS											
ALPHA CURIES		2.580E-08	2.160E-11	3.390E-08	1.940E-08	7.260E-09	7.740E-09	9.412E-08			
% OF TOTAL		11.895	0.500	8.797	5.984	7.715	4.565	7.880			
B+G CURIES		1.911E-07	4.296E-09	3.515E-07	3.048E-07	8.684E-08	1.618E-07	1.100E-06			
% OF TOTAL		88.105	99.500	91.203	94.016	92.285	95.435	92.120			
VOLUME (CU. METERS)		4.589E+06	4.589E+06	4.589E+06	4.589E+06	4.441E+06	4.589E+06	2.739E+07			
GRAND TOTALS (CURIES)		2.169E-07	4.318E-09	3.854E-07	3.242E-07	9.410E-08	1.695E-07	1.194E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

CFA RESPIRATOR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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CFA/CFA-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA											
CONCEN (UC/ML)		1.013E-14	1.710E-13	1.265E-14	7.965E-16	3.583E-16	1.899E-15	3.297E-14	8.174E-21		
CURIES		3.740E-09	6.310E-08	4.670E-09	2.940E-10	1.280E-10	7.010E-10	7.263E-08			
UNCERT(CURIES)		9.340E-10	3.500E-09	6.770E-10	7.710E-10	4.200E-10	4.200E-10				
UNCERT(UC/ML)											
% OF TOTAL		14.410	61.103	10.581	0.915	1.452	4.679	31.676			
GROSS-BETA											
CONCEN (UC/ML)		5.690E-14	1.076E-13	1.076E-13	8.236E-14	2.223E-14	3.793E-14	6.934E-14	1.719E-20		
CURIES		2.100E-08	3.970E-08	3.970E-08	3.040E-08	7.940E-09	1.400E-08	1.527E-07			
UNCERT(CURIES)		3.270E-09	2.290E-09	2.290E-09	1.850E-09	8.880E-10	1.140E-09				
UNCERT(UC/ML)											
% OF TOTAL		80.912	38.444	89.949	94.580	90.064	93.452	66.612			
SR-90											
	1.059E+04										
CONCEN (UC/ML)		1.645E-15	6.340E-16	-3.170E-16	1.962E-15	1.047E-15	3.793E-16	8.907E-16	2.208E-22	9.00E-12	
CURIES		6.070E-10	2.340E-10	-1.170E-10	7.240E-10	3.740E-10	1.400E-10	1.962E-09			
UNCERT(CURIES)		1.400E-10	7.010E-11	7.010E-11	7.010E-11	7.010E-11	7.010E-11				
UNCERT(UC/ML)											
% OF TOTAL		2.339	0.227	-0.265	2.253	4.242	0.935	0.856			
Y-90											
	2.667E+00										
CONCEN (UC/ML)		1.645E-15	6.340E-16	-3.170E-16	1.962E-15	1.047E-15	3.793E-16	8.907E-16	2.208E-22	1.00E-09	
CURIES		6.070E-10	2.340E-10	-1.170E-10	7.240E-10	3.740E-10	1.400E-10	1.962E-09			
UNCERT(CURIES)		1.400E-10	7.010E-11	7.010E-11	7.010E-11	7.010E-11	7.010E-11				
UNCERT(UC/ML)											
% OF TOTAL		2.339	0.227	-0.265	2.253	4.242	0.935	0.856			
TOTALS											
ALPHA CURIES		3.740E-09	6.310E-08	4.670E-09	2.940E-10	1.280E-10	7.010E-10	7.263E-08			
% OF TOTAL		14.410	61.103	10.581	0.915	1.452	4.679	31.676			
B+G CURIES		2.221E-08	4.017E-08	3.947E-08	3.185E-08	8.688E-09	1.428E-08	1.567E-07			
% OF TOTAL		85.590	38.897	89.419	99.085	98.548	95.321	68.324			
VOLUME (CU. METERS)		3.691E+05	3.691E+05	3.691E+05	3.691E+05	3.572E+05	3.691E+05	2.203E+06			
GRAND TOTALS (CURIES)											
		2.595E-08	1.033E-07	4.414E-08	3.214E-08	8.816E-09	1.498E-08	2.293E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

 CFA LIQUID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

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 CFA-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		1.770E-12	1.962E-11	-9.025E-13	-1.189E-12	1.254E-12	2.152E-12	2.947E-12		
CURIES		6.000E-09	5.000E-08	-3.000E-09	-4.000E-09	6.000E-09	1.000E-08	6.500E-08		
UNCERT(CURIES)		2.000E-09	2.000E-08	7.000E-09	1.100E-08	6.000E-09	1.000E-08			
UNCERT(UC/ML)										
% OF TOTAL		0.039	0.330	-0.020	-2.198	3.704	0.062	0.105		
GROSS-BETA										
CONCEN (UC/ML)		3.540E-12	3.925E-11	-9.025E-13	8.921E-12	4.179E-13	1.076E-12	6.619E-12		
CURIES		1.200E-08	1.000E-07	-3.000E-09	3.000E-08	2.000E-09	5.000E-09	1.460E-07		
UNCERT(CURIES)		3.000E-09	2.000E-08	1.200E-08	2.000E-08	1.400E-08	1.800E-08			
UNCERT(UC/ML)										
% OF TOTAL		0.077	0.660	-0.020	16.484	1.235	0.031	0.235		
H-3										
CONCEN (UC/ML)	4.490E+03	4.572E-09	5.887E-09	4.513E-09	4.163E-11	3.134E-11	3.443E-09	2.801E-09	2.00E-03	
CURIES		1.550E-05	1.500E-05	1.500E-05	1.400E-07	1.500E-07	1.600E-05	6.179E-05		
UNCERT(CURIES)		9.000E-07	9.000E-07	9.000E-07	1.000E-08	1.000E-08	1.400E-06			
UNCERT(UC/ML)										
% OF TOTAL		99.909	98.945	100.080	76.923	92.593	99.657	99.563		
SR-90										
CONCEN (UC/ML)	1.059E+04	-5.605E-13	1.962E-12	-9.025E-13	2.379E-12	4.179E-13	4.304E-12	1.365E-12	1.00E-06	
CURIES		-1.900E-09	5.000E-09	-3.000E-09	8.000E-09	2.000E-09	2.000E-08	3.010E-08		
UNCERT(CURIES)		8.000E-10	1.000E-09	1.000E-09	1.000E-09	1.000E-09	2.000E-08			
UNCERT(UC/ML)										
% OF TOTAL		-0.012	0.033	-0.020	4.396	1.235	0.125	0.049		
Y-90										
CONCEN (UC/ML)	2.667E+00	-5.605E-13	1.962E-12	-9.025E-13	2.379E-12	4.179E-13	4.304E-12	1.365E-12	1.00E-05	
CURIES		-1.900E-09	5.000E-09	-3.000E-09	8.000E-09	2.000E-09	2.000E-08	3.010E-08		
UNCERT(CURIES)		8.000E-10	1.000E-09	1.000E-09	1.000E-09	1.000E-09	2.000E-08			
UNCERT(UC/ML)										
% OF TOTAL		-0.012	0.033	-0.020	4.396	1.235	0.125	0.049		
TOTALS										
ALPHA CURIES		6.000E-09	5.000E-08	-3.000E-09	-4.000E-09	6.000E-09	1.000E-08	6.500E-08		
% OF TOTAL		0.039	0.330	-0.020	-2.198	3.704	0.062	0.105		
B+G CURIES		1.551E-05	1.511E-05	1.499E-05	1.860E-07	1.560E-07	1.605E-05	6.200E-05		
% OF TOTAL		99.961	99.670	100.020	102.198	96.296	99.938	99.895		
VOLUME (LITERS)		3.390E+06	2.548E+06	3.324E+06	3.363E+06	4.786E+06	4.647E+06	2.206E+07		

GRAND TOTALS (CURIES)		1.551E-05	1.516E-05	1.499E-05	1.820E-07	1.620E-07	1.605E-05	6.206E-05		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

CFA-33

Chemical Processing Plant 1993 Detail Data

Chemical Processing Plant (CPP) Bar Graphs of Annual Data by Month	CPP-3
CY1993 Bar Graphs	CPP-5
CPP Detail Data for Months July to December,	
Annual Average Concentration and Total Curies for January to December	CPP-7
Report 210—CPP Airborne Waste Summary	CPP-9
Report 211—CPP Liquid Waste Summary	CPP-11
Report 212—CPP Disposed Solid Waste Summary	CPP-12
Report 213—CPP Solid Waste Summary, CPP Stored Wastes	CPP-14
Report 223—CPP Solid Waste Summary, WERF Incinerator Processed Waste	CPP-15
CPP Detail Data for Months January to June,	
Annual Average Concentration and Total Curies for January to June	CPP-17
Report 210—CPP Airborne Waste Summary	CPP-19
Report 211—CPP Liquid Waste Summary	CPP-21
Report 213—CPP Solid Waste Summary, CPP Stored Wastes	CPP-22
Report 223—CPP Solid Waste Summary, WERF Incinerator Processed Waste	CPP-23
CPP Facility Detail Data for Months July to December,	
Annual Average Concentration and Total Curies for January to December	CPP-25
Report 221—CPP FAST Stack Airborne Waste Summary	CPP-27
Report 219—CPP Main Stack Airborne Waste Summary	CPP-29
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CPP Facility Detail Data for Months January to June,	
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Report 219—CPP Main Stack Airborne Waste Summary	CPP-38
Report 220—CPP NWCF Stack Airborne Waste Summary	CPP-41
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Report 218—CPP Liquid Waste to Infiltration Pond	CPP-43

Chemical Processing Plant (CPP) Bar Graphs of Annual Data by Month

Chemical Processing Plant (CPP) Monthly Details - CY 1993

CPP Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CPP AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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CPP-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
C-14	2.092E+06										
CONCEN (UC/ML)					7.688E-12	2.928E-12	3.044E-12	2.262E-12	2.841E-18	6.00E-09	
CURIES					2.800E-03	1.000E-03	1.000E-03	9.600E-03			
% OF TOTAL					0.525	0.020	0.020	0.015			
CO-57	2.718E+02										
CONCEN (UC/ML)			7.659E-17	5.341E-17				1.833E-17	2.302E-23	2.00E-09	
CURIES			2.640E-08	1.870E-08				7.780E-08			
% OF TOTAL											
CO-60	1.924E+03										
CONCEN (UC/ML)			5.077E-15	1.063E-16		7.760E-17		1.230E-15	1.545E-21	8.00E-11	
CURIES			1.750E-06	3.720E-08		2.650E-08		5.220E-06			
% OF TOTAL			0.003								
CS-134	7.537E+02										
CONCEN (UC/ML)		2.250E-16	7.978E-14	4.170E-15	5.848E-16		1.072E-16	2.060E-14	2.587E-20	2.00E-10	
CURIES		8.240E-08	2.750E-05	1.460E-06	2.130E-07		3.520E-08	8.741E-05			
% OF TOTAL			0.040	0.002							
CS-137	1.101E+04										
CONCEN (UC/ML)		6.898E-14	7.312E-12	3.078E-13	1.172E-13	7.664E-14	2.432E-14	1.765E-12	2.217E-18	4.00E-10	
CURIES		2.526E-05	2.520E-03	1.078E-04	4.268E-05	2.617E-05	7.988E-06	7.491E-03			
% OF TOTAL			3.643	0.163	0.008	0.001		0.012			
EU-152	4.891E+03										
CONCEN (UC/ML)								4.241E-16	5.327E-22	5.00E-11	
CURIES								1.800E-06			
% OF TOTAL											
EU-154	3.103E+03										
CONCEN (UC/ML)			1.546E-14					2.323E-15	2.918E-21	5.00E-11	
CURIES			5.330E-06					9.859E-06			
% OF TOTAL			0.008								
EU-155	1.727E+03										
CONCEN (UC/ML)								3.817E-17	4.794E-23	3.00E-10	
CURIES								1.620E-07			
% OF TOTAL											
H-3	4.490E+03										
CONCEN (UC/ML)		2.873E-08	1.832E-10	1.803E-10	1.441E-09	1.480E-08	1.539E-08	1.461E-08	1.835E-14	1.00E-07	
CURIES		1.052E+01	6.314E-02	6.314E-02	5.247E-01	5.055E+00	5.055E+00	6.202E+01			
% OF TOTAL		99.796	91.267	95.302	98.367	99.909	99.910	99.811			

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CPP AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 2 RPT. 210
CPP-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
I-129	5.840E+09										
CONCEN (UC/ML)		5.797E-11	8.573E-12	8.440E-12	1.533E-11	1.035E-11	1.076E-11	2.306E-11	2.896E-17	7.00E-11	
CURIES		2.123E-02	2.955E-03	2.955E-03	5.585E-03	3.535E-03	3.535E-03	9.786E-02			
% OF TOTAL		0.201	4.271	4.460	1.047	0.070	0.070	0.158			
RU-106	3.726E+02										
CONCEN (UC/ML)		5.762E-13	1.468E-12	8.569E-14	8.429E-14	8.671E-14	1.416E-14	2.371E-13	2.978E-19	3.00E-11	
CURIES		2.110E-04	5.060E-04	3.000E-05	3.070E-05	2.961E-05	4.650E-06	1.006E-03			
% OF TOTAL		0.002	0.731	0.045	0.006	0.001		0.002			
SB-125	1.007E+03										
CONCEN (UC/ML)		3.908E-15	2.881E-14	4.196E-15	3.622E-16		7.245E-16	1.724E-14	2.166E-20	1.00E-09	
CURIES		1.431E-06	9.930E-06	1.469E-06	1.319E-07		2.380E-07	7.318E-05			
% OF TOTAL			0.014	0.002							
SR-90	1.059E+04										
CONCEN (UC/ML)		1.453E-14	4.584E-14	4.733E-14	6.884E-13	4.842E-15		2.490E-13	3.127E-19	9.00E-12	
CURIES		5.320E-06	1.580E-05	1.657E-05	2.507E-04	1.653E-06		1.057E-03			
% OF TOTAL			0.023	0.025	0.047			0.002			
TOTAL-PU											
CONCEN (UC/ML)								5.985E-19	7.517E-25		
CURIES								2.540E-09			
% OF TOTAL											
TOTALS											
ALPHA CURIES								2.540E-09			
% OF TOTAL											
B+G CURIES		1.054E+01	6.918E-02	6.625E-02	5.334E-01	5.060E+00	5.060E+00	6.214E+01			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.999			
VOLUME (CU. METERS)		3.662E+08	3.447E+08	3.501E+08	3.642E+08	3.415E+08	3.285E+08	4.244E+09			
GRAND TOTALS (CURIES)		1.054E+01	6.918E-02	6.625E-02	5.334E-01	5.060E+00	5.060E+00	6.214E+01			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CPP LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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CPP-L

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
CO-60	1.924E+03									
CONCEN (UC/ML)			3.343E-10	2.207E-10	2.489E-10	3.383E-10	1.918E-10	3.983E-10	5.00E-06	0.01
CURIES			6.820E-05	4.260E-05	4.580E-05	6.360E-05	3.970E-05	1.002E-03		
% OF TOTAL			9.420	5.950	6.311	13.882	6.406	8.586		
CS-137	1.101E+04									
CONCEN (UC/ML)		1.065E-10	2.735E-10	2.000E-10	3.625E-10	2.798E-10		8.657E-10	3.00E-06	0.03
CURIES		2.140E-05	5.580E-05	3.860E-05	6.670E-05	5.260E-05		2.177E-03		
% OF TOTAL		2.834	7.707	5.391	9.191	11.481		18.663		
SR-90	1.059E+04									
CONCEN (UC/ML)		1.199E-09	7.010E-10	7.979E-10	1.500E-09		1.000E-09	1.089E-09	1.00E-06	0.11
CURIES		2.410E-04	1.430E-04	1.540E-04	2.760E-04		2.070E-04	2.739E-03		
% OF TOTAL		31.911	19.751	21.509	38.032		33.403	23.479		
TOTAL-PU										
CONCEN (UC/ML)		1.900E-11		3.000E-11	1.201E-11	2.101E-11		1.915E-11		
CURIES		3.820E-06		5.790E-06	2.210E-06	3.950E-06		4.815E-05		
% OF TOTAL		0.506		0.809	0.305	0.862		0.413		
TOTAL-U										
CONCEN (UC/ML)		2.433E-09	2.240E-09	2.461E-09	1.821E-09	1.798E-09	1.802E-09	2.266E-09		
CURIES		4.890E-04	4.570E-04	4.750E-04	3.350E-04	3.380E-04	3.730E-04	5.700E-03		
% OF TOTAL		64.749	63.122	66.342	46.162	73.775	60.190	48.860		
TOTALS										
ALPHA CURIES		3.820E-06		5.790E-06	2.210E-06	3.950E-06		4.815E-05		
% OF TOTAL		0.506		0.809	0.305	0.862		0.413		
B+G CURIES		7.514E-04	7.240E-04	7.102E-04	7.235E-04	4.542E-04	6.197E-04	1.162E-02		
% OF TOTAL		99.494	100.000	99.191	99.695	99.138	100.000	99.587		
VOLUME (LITERS)		2.010E+08	2.040E+08	1.930E+08	1.840E+08	1.880E+08	2.070E+08	2.515E+09		
GRAND TOTALS (CURIES)		7.552E-04	7.240E-04	7.160E-04	7.257E-04	4.581E-04	6.197E-04	1.167E-02		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures IIf-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CPP DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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CPP-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CE-144	2.844E+02							
CURIES		1.418E-02						1.418E-02
% OF TOTAL		19.700						19.700
CS-137	1.101E+04							
CURIES		7.200E-03						7.200E-03
% OF TOTAL		10.000						10.000
NB-95	3.498E+01							
CURIES		2.232E-03						2.232E-03
% OF TOTAL		3.100						3.100
PR-144	1.200E-02							
CURIES		1.418E-02						1.418E-02
% OF TOTAL		19.700						19.700
RH-106	3.441E-04							
CURIES		7.200E-03						7.200E-03
% OF TOTAL		10.000						10.000
RU-106	3.726E+02							
CURIES		7.200E-03						7.200E-03
% OF TOTAL		10.000						10.000
SB-125	1.007E+03							
CURIES		3.168E-03						3.168E-03
% OF TOTAL		4.400						4.400
SR-90	1.059E+04							
CURIES		7.200E-03						7.200E-03
% OF TOTAL		10.000						10.000
Y-90	2.667E+00							
CURIES		7.200E-03						7.200E-03
% OF TOTAL		10.000						10.000
ZR-95	6.403E+01							
CURIES		2.232E-03						2.232E-03
% OF TOTAL		3.100						3.100

CPP-12

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CPP DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993PAGE 2 RPT 212
CPP-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES		7.200E-02						7.200E-02
% OF TOTAL		100.000						100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		7.250E+00						7.250E+00
WEIGHT (KILOGRAMS)		2.530E+03						2.530E+03

GRAND TOTALS (CURIES)		7.200E-02						7.200E-02

CPP-13

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

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CPP-S

		CPP SOLID WASTE SUMMARY FOR JAN THROUGH DEC 1993 CPP STORED WASTES						
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
MFP								
CURIES		2.010E+05	7.070E+04	1.070E+05	3.440E+03			1.141E+06
% OF TOTAL		100.000	100.000	100.000	100.000			100.000
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES		2.010E+05	7.070E+04	1.070E+05	3.440E+03			1.141E+06
% OF TOTAL		100.000	100.000	100.000	100.000			100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		3.200E+01	2.490E+01	3.130E+01	1.730E+01			1.965E+02
WEIGHT (KILOGRAMS)								

GRAND TOTALS (CURIES)		2.010E+05	7.070E+04	1.070E+05	3.440E+03			1.141E+06

CPP-14

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

CPP SOLID WASTE SUMMARY
MERF INCINERATOR PROCESSED WASTE
FROM JAN THROUGH DEC 1993

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CE-144	2.844E+02							
CURIES								4.137E-02
% OF TOTAL								19.700
CS-137	1.101E+04							
CURIES								2.100E-02
% OF TOTAL								10.000
NB-95	3.498E+01							
CURIES								6.510E-03
% OF TOTAL								3.100
PR-144	1.200E-02							
CURIES								4.137E-02
% OF TOTAL								19.700
RH-106	3.441E-04							
CURIES								2.100E-02
% OF TOTAL								10.000
RU-106	3.726E+02							
CURIES								2.100E-02
% OF TOTAL								10.000
SB-125	1.007E+03							
CURIES								9.240E-03
% OF TOTAL								4.400
SR-90	1.059E+04							
CURIES								2.100E-02
% OF TOTAL								10.000
Y-90	2.667E+00							
CURIES								2.100E-02
% OF TOTAL								10.000
ZR-95	6.403E+01							
CURIES								6.510E-03
% OF TOTAL								3.100
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								2.100E-01
% OF TOTAL								100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								5.505E+01
WEIGHT (KILOGRAMS)								5.480E+03
GRAND TOTALS (CURIES)								2.100E-01

CPP-15

**CPP Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

CPP AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 210
CPP-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
C-14	2.092E+06										
CONCEN (UC/ML)		2.592E-12	2.782E-12				7.968E-12	2.234E-12	2.806E-18	6.00E-09	
CURIES		1.000E-03	1.000E-03				2.800E-03	4.800E-03			
% OF TOTAL		0.020	0.020				0.523	0.012			
CO-57	2.718E+02										
CONCEN (UC/ML)							9.306E-17	1.522E-17	1.911E-23	2.00E-09	
CURIES							3.270E-08	3.270E-08			
% OF TOTAL											
CO-60	1.924E+03										
CONCEN (UC/ML)			9.098E-17	5.415E-16	3.697E-15	1.723E-15	3.415E-15	1.585E-15	1.991E-21	8.00E-11	
CURIES			3.270E-08	1.780E-07	1.404E-06	5.920E-07	1.200E-06	3.407E-06			
% OF TOTAL											
CS-134	7.537E+02										
CONCEN (UC/ML)		1.905E-15	1.953E-14	1.509E-14	3.607E-14	3.027E-14	6.061E-14	2.705E-14	3.397E-20	2.00E-10	
CURIES		7.350E-07	7.020E-06	4.960E-06	1.370E-05	1.040E-05	2.130E-05	5.812E-05			
% OF TOTAL				0.007			0.004				
CS-137	1.101E+04										
CONCEN (UC/ML)		2.032E-13	1.461E-12	1.171E-12	2.746E-12	2.587E-12	5.237E-12	2.215E-12	2.783E-18	4.00E-10	
CURIES		7.838E-05	5.252E-04	3.848E-04	1.043E-03	8.890E-04	1.840E-03	4.760E-03			
% OF TOTAL		0.002	0.010	0.578	0.007	0.006	0.344	0.012			
EU-152	4.891E+03										
CONCEN (UC/ML)							5.122E-15	8.377E-16	1.052E-21	5.00E-11	
CURIES							1.800E-06	1.800E-06			
% OF TOTAL											
EU-154	3.103E+03										
CONCEN (UC/ML)				1.110E-15	2.870E-15	2.724E-16	8.480E-15	2.108E-15	2.647E-21	5.00E-11	
CURIES				3.650E-07	1.090E-06	9.360E-08	2.980E-06	4.529E-06			
% OF TOTAL				0.001			0.001				
EU-155	1.727E+03										
CONCEN (UC/ML)							4.610E-16	7.539E-17	9.469E-23	3.00E-10	
CURIES							1.620E-07	1.620E-07			
% OF TOTAL											
H-3	4.490E+03										
CONCEN (UC/ML)		1.310E-08	1.407E-08	1.921E-10	3.955E-08	4.371E-08	1.493E-09	1.896E-08	2.381E-14	1.00E-07	
CURIES		5.055E+00	5.055E+00	6.314E-02	1.502E+01	1.502E+01	5.247E-01	4.074E+01			
% OF TOTAL		99.909	99.899	94.815	99.850	99.852	97.989	99.832			

CPP-19

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

CPP AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 2 RPT. 210
CPP-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
I-129	5.840E+09										
CONCEN (UC/ML)		9.163E-12	9.836E-12	8.990E-12	5.590E-11	6.179E-11	1.589E-11	2.703E-11	3.394E-17	7.00E-11	
CURIES		3.535E-03	3.535E-03	2.955E-03	2.123E-02	2.123E-02	5.585E-03	5.807E-02			
% OF TOTAL		0.070	0.070	4.437	0.141	0.141	1.043	0.142			
RU-106	3.726E+02										
CONCEN (UC/ML)		2.240E-14	4.090E-14	3.925E-14	1.116E-13	1.231E-13	2.089E-13	9.045E-14	1.136E-19	3.00E-11	
CURIES		8.640E-06	1.470E-05	1.290E-05	4.240E-05	4.230E-05	7.340E-05	1.943E-04			
% OF TOTAL				0.019			0.014				
SB-125	1.007E+03										
CONCEN (UC/ML)		1.198E-14	1.822E-14	1.363E-14	3.373E-14	3.984E-14	5.074E-14	2.792E-14	3.506E-20	1.00E-09	
CURIES		4.620E-06	6.550E-06	4.480E-06	1.281E-05	1.369E-05	1.783E-05	5.998E-05			
% OF TOTAL				0.007			0.003				
SR-90	1.059E+04										
CONCEN (UC/ML)			1.240E-14	2.750E-13	5.108E-13	1.543E-13	1.208E-12	3.567E-13	4.481E-19	9.00E-12	
CURIES			4.456E-06	9.040E-05	1.940E-04	5.302E-05	4.246E-04	7.665E-04			
% OF TOTAL				0.136	0.001		0.079	0.002			
TOTAL-PU											
CONCEN (UC/ML)					6.688E-18			1.182E-18	1.485E-24		
CURIES					2.540E-09			2.540E-09			
% OF TOTAL											
TOTALS											
ALPHA CURIES					2.540E-09			2.540E-09			
% OF TOTAL											
B+G CURIES		5.060E+00	5.060E+00	6.659E-02	1.504E+01	1.504E+01	5.355E-01	4.081E+01			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		3.858E+08	3.594E+08	3.287E+08	3.798E+08	3.436E+08	3.514E+08	2.149E+09			
GRAND TOTALS (CURIES)		5.060E+00	5.060E+00	6.659E-02	1.504E+01	1.504E+01	5.355E-01	4.081E+01			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

CPP LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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CPP-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
CO-60	1.924E+03									
CONCEN (UC/ML)				4.622E-10	2.355E-09		4.228E-10	5.543E-10	5.00E-06	0.01
CURIES				1.100E-04	5.370E-04		9.470E-05	7.417E-04		
% OF TOTAL				12.597	34.297		13.164	9.674		
CS-137	1.101E+04									
CONCEN (UC/ML)		5.591E-09	9.861E-11	7.395E-10	1.798E-09	1.495E-10	3.263E-10	1.451E-09	3.00E-06	0.05
CURIES		1.230E-03	2.130E-05	1.760E-04	4.100E-04	3.170E-05	7.310E-05	1.942E-03		
% OF TOTAL		38.349	2.945	20.156	26.186	5.483	10.162	25.330		
SR-90	1.059E+04									
CONCEN (UC/ML)		6.500E-09	6.991E-10		6.009E-10			1.284E-09	1.00E-06	0.13
CURIES		1.430E-03	1.510E-04		1.370E-04			1.718E-03		
% OF TOTAL		44.585	20.877		8.750			22.407		
TOTAL-PU										
CONCEN (UC/ML)		2.900E-11		2.601E-11	3.399E-11	4.000E-11	1.598E-11	2.420E-11		
CURIES		6.380E-06		6.190E-06	7.750E-06	8.480E-06	3.580E-06	3.238E-05		
% OF TOTAL		0.199		0.709	0.495	1.467	0.498	0.422		
TOTAL-U										
CONCEN (UC/ML)		2.459E-09	2.551E-09	2.441E-09	2.079E-09	2.538E-09	2.446E-09	2.416E-09		
CURIES		5.410E-04	5.510E-04	5.810E-04	4.740E-04	5.380E-04	5.480E-04	3.233E-03		
% OF TOTAL		16.867	76.179	66.538	30.273	93.051	76.177	42.167		
TOTALS										
ALPHA CURIES		6.380E-06		6.190E-06	7.750E-06	8.480E-06	3.580E-06	3.238E-05		
% OF TOTAL		0.199		0.709	0.495	1.467	0.498	0.422		
B+G CURIES		3.201E-03	7.233E-04	8.670E-04	1.558E-03	5.697E-04	7.158E-04	7.635E-03		
% OF TOTAL		99.801	100.000	99.291	99.505	98.533	99.502	99.577		
VOLUME (LITERS)		2.200E+08	2.160E+08	2.380E+08	2.280E+08	2.120E+08	2.240E+08	1.338E+09		
GRAND TOTALS (CURIES)		3.207E-03	7.233E-04	8.732E-04	1.566E-03	5.782E-04	7.194E-04	7.667E-03		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

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CPP-S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	CPP SOLID WASTE SUMMARY FOR JAN THROUGH JUN 1993 CPP STORED WASTES				ANNUAL TOTAL
				MARCH	APRIL	MAY	JUNE	
MFP								
CURIES				1.380E+05	2.790E+05	1.940E+05	1.480E+05	7.590E+05
% OF TOTAL				100.000	100.000	100.000	100.000	100.000
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES				1.380E+05	2.790E+05	1.940E+05	1.480E+05	7.590E+05
% OF TOTAL				100.000	100.000	100.000	100.000	100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)				1.290E+01	3.075E+01	2.010E+01	2.730E+01	9.105E+01
WEIGHT (KILOGRAMS)								

GRAND TOTALS (CURIES)				1.380E+05	2.790E+05	1.940E+05	1.480E+05	7.590E+05

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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CPP-S

CPP SOLID WASTE SUMMARY
WERF INCINERATOR PROCESSED WASTE
FROM JAN THROUGH JUN 1993

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CE-144	2.844E+02							
CURIES		4.137E-02						4.137E-02
% OF TOTAL		19.700						19.700
CS-137	1.101E+04							
CURIES		2.100E-02						2.100E-02
% OF TOTAL		10.000						10.000
NB-95	3.498E+01							
CURIES		6.510E-03						6.510E-03
% OF TOTAL		3.100						3.100
PR-144	1.200E-02							
CURIES		4.137E-02						4.137E-02
% OF TOTAL		19.700						19.700
RH-106	3.441E-04							
CURIES		2.100E-02						2.100E-02
% OF TOTAL		10.000						10.000
RU-106	3.726E+02							
CURIES		2.100E-02						2.100E-02
% OF TOTAL		10.000						10.000
SB-125	1.007E+03							
CURIES		9.240E-03						9.240E-03
% OF TOTAL		4.400						4.400
SR-90	1.059E+04							
CURIES		2.100E-02						2.100E-02
% OF TOTAL		10.000						10.000
Y-90	2.667E+00							
CURIES		2.100E-02						2.100E-02
% OF TOTAL		10.000						10.000
ZR-95	6.403E+01							
CURIES		6.510E-03						6.510E-03
% OF TOTAL		3.100						3.100
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES		2.100E-01						2.100E-01
% OF TOTAL		100.000						100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		5.505E+01						5.505E+01
WEIGHT (KILOGRAMS)		5.480E+03						5.480E+03
GRAND TOTALS (CURIES)		2.100E-01						2.100E-01

CPP-23

**CPP Facility Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

CPP FAST STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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CPP-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CO-60	1.924E+03										
CONCEN (UC/ML)						2.548E-16		6.578E-16	8.262E-22	8.00E-11	
CURIES						2.650E-08		8.315E-07			
UNCERT(CURIES)						7.110E-09					
UNCERT(UC/ML)											
% OF TOTAL						2.019		1.387			
CS-137	1.101E+04										
CONCEN (UC/ML)		5.775E-16	2.952E-15	7.352E-15	4.451E-15	4.558E-15	5.624E-15	6.639E-15	8.339E-21	4.00E-10	
CURIES		5.890E-08	3.100E-07	7.720E-07	4.540E-07	4.740E-07	5.680E-07	8.392E-06			
UNCERT(CURIES)		1.350E-08	2.820E-08	4.700E-08	3.060E-08	3.620E-08	3.170E-08				
UNCERT(UC/ML)											
% OF TOTAL		1.745	13.839	20.521	84.844	36.114	70.471	14.002			
RU-106	3.726E+02										
CONCEN (UC/ML)						7.808E-15		6.424E-16	8.068E-22	3.00E-11	
CURIES						8.120E-07		8.120E-07			
UNCERT(CURIES)						2.280E-07					
UNCERT(UC/ML)											
% OF TOTAL						61.867		1.355			
SB-125	1.007E+03										
CONCEN (UC/ML)		4.382E-15	1.838E-14	9.905E-15	7.951E-16		2.356E-15	1.664E-14	2.089E-20	1.00E-09	
CURIES		4.470E-07	1.930E-06	1.040E-06	8.110E-08		2.380E-07	2.103E-05			
UNCERT(CURIES)		6.510E-08	1.650E-07	1.040E-07	2.890E-08		3.000E-08				
UNCERT(UC/ML)											
% OF TOTAL		13.241	86.161	27.645	15.156		29.529	35.085			
SR-90	1.059E+04										
CONCEN (UC/ML)		2.814E-14		1.857E-14				2.284E-14	2.869E-20	9.00E-12	
CURIES		2.870E-06		1.950E-06				2.887E-05			
UNCERT(CURIES)		8.140E-07		5.610E-07							
UNCERT(UC/ML)											
% OF TOTAL		85.014		51.834				48.171			

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CPP FAST STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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CPP-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		3.376E-06	2.240E-06	3.762E-06	5.351E-07	1.312E-06	8.060E-07	5.993E-05		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (CU. METERS)		1.020E+08	1.050E+08	1.050E+08	1.020E+08	1.040E+08	1.010E+08	1.264E+09		

GRAND TOTALS (CURIES)		3.376E-06	2.240E-06	3.762E-06	5.351E-07	1.312E-06	8.060E-07	5.993E-05		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CPP MAIN STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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CPP-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
C-14	2.092E+06										
CONCEN (UC/ML)					2.353E-11	8.264E-12	8.475E-12	6.404E-12	5.386E-18	6.00E-09	
CURIES					2.800E-03	1.000E-03	1.000E-03	9.600E-03			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL					0.525	0.020	0.020	0.015			
CO-57	2.718E+02										
CONCEN (UC/ML)			2.146E-16	1.496E-16				5.190E-17	4.365E-23	2.00E-09	
CURIES			2.640E-08	1.870E-08				7.780E-08			
UNCERT(CURIES)			7.280E-09	4.790E-09							
UNCERT(UC/ML)											
% OF TOTAL											
CO-60	1.924E+03										
CONCEN (UC/ML)			1.423E-14	2.976E-16				2.928E-15	2.462E-21	8.00E-11	
CURIES			1.750E-06	3.720E-08				4.389E-06			
UNCERT(CURIES)			1.340E-07	6.430E-09							
UNCERT(UC/ML)											
% OF TOTAL			0.003								
CS-134	7.537E+02										
CONCEN (UC/ML)		6.983E-16	2.236E-13	1.168E-14	1.790E-15		2.983E-16	5.831E-14	4.904E-20	2.00E-10	
CURIES		8.240E-08	2.750E-05	1.460E-06	2.130E-07		3.520E-08	8.741E-05			
UNCERT(CURIES)		8.320E-09	8.960E-07	3.460E-08	2.060E-08		1.110E-08				
UNCERT(UC/ML)											
% OF TOTAL			0.040	0.002							
CS-137	1.101E+04										
CONCEN (UC/ML)		2.136E-13	2.049E-11	8.560E-13	3.546E-13	2.124E-13	6.288E-14	4.991E-12	4.198E-18	4.00E-10	
CURIES		2.520E-05	2.520E-03	1.070E-04	4.220E-05	2.570E-05	7.420E-06	7.481E-03			
UNCERT(CURIES)		2.780E-07	7.140E-05	1.100E-06	5.040E-07	4.410E-07	1.140E-07				
UNCERT(UC/ML)											
% OF TOTAL			3.643	0.162	0.008	0.001		0.012			
EU-152	4.891E+03										
CONCEN (UC/ML)								1.201E-15	1.010E-21	5.00E-11	
CURIES								1.800E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
EU-154	3.103E+03										
CONCEN (UC/ML)			4.333E-14					6.577E-15	5.531E-21	5.00E-11	
CURIES			5.330E-06					9.859E-06			
UNCERT(CURIES)			4.060E-07								
UNCERT(UC/ML)											
% OF TOTAL			0.008								

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
EU-155	1.727E+03										
CONCEN (UC/ML)								1.081E-16	9.089E-23	3.00E-10	
CURIES								1.620E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
H-3	4.490E+03										
CONCEN (UC/ML)		8.915E-08	5.133E-10	5.051E-10	4.409E-09	4.178E-08	4.284E-08	4.137E-08	3.480E-14	1.00E-07	
CURIES		1.052E+01	6.314E-02	6.314E-02	5.247E-01	5.055E+00	5.055E+00	6.202E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		99.796	91.270	95.308	98.379	99.909	99.910	99.812			
I-129	5.840E+09										
CONCEN (UC/ML)		1.799E-10	2.402E-11	2.364E-11	4.693E-11	2.921E-11	2.996E-11	6.529E-11	5.491E-17	7.00E-11	
CURIES		2.123E-02	2.955E-03	2.955E-03	5.585E-03	3.535E-03	3.535E-03	9.786E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.201	4.272	4.460	1.047	0.070	0.070	0.158			
RU-106	3.726E+02										
CONCEN (UC/ML)		1.788E-12	4.114E-12	2.400E-13	2.580E-13	2.380E-13	3.941E-14	6.708E-13	5.641E-19	3.00E-11	
CURIES		2.110E-04	5.060E-04	3.000E-05	3.070E-05	2.880E-05	4.650E-06	1.005E-03			
UNCERT(CURIES)		6.140E-06	2.100E-05	8.320E-07	8.560E-07	6.470E-07	2.380E-07				
UNCERT(UC/ML)											
% OF TOTAL		0.002	0.731	0.045	0.006	0.001		0.002			
SB-125	1.007E+03										
CONCEN (UC/ML)		8.339E-15	6.504E-14	3.432E-15	4.269E-16			3.479E-14	2.926E-20	1.00E-09	
CURIES		9.840E-07	8.000E-06	4.290E-07	5.080E-08			5.215E-05			
UNCERT(CURIES)		7.300E-08	6.710E-07	5.500E-08	2.000E-08						
UNCERT(UC/ML)											
% OF TOTAL			0.012	0.001							
SR-90	1.059E+04										
CONCEN (UC/ML)		2.076E-14	1.285E-13	1.168E-13	1.588E-12	1.339E-14		6.423E-13	5.402E-19	9.00E-12	
CURIES		2.450E-06	1.580E-05	1.460E-05	1.890E-04	1.620E-06		9.628E-04			
UNCERT(CURIES)		6.480E-07	3.330E-06	2.110E-06	6.050E-06	4.330E-07					
UNCERT(UC/ML)											
% OF TOTAL			0.023	0.022	0.035			0.002			
TOTAL-PU											
CONCEN (UC/ML)								1.694E-18	1.425E-24		
CURIES								2.540E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
TOTALS											
ALPHA CURIES								2.540E-09			
% OF TOTAL											
B+G CURIES		1.054E+01	6.918E-02	6.625E-02	5.333E-01	5.060E+00	5.060E+00	6.214E+01			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.999			
VOLUME (CU. METERS)		1.180E+08	1.230E+08	1.250E+08	1.190E+08	1.210E+08	1.180E+08	1.499E+09			

GRAND TOTALS (CURIES)		1.054E+01	6.918E-02	6.625E-02	5.333E-01	5.060E+00	5.060E+00	6.214E+01			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL	YEARLY RELEASE*	CG**	YEARLY
								AVG CONCEN/ TOT CURIES			RELEASE % OF CG
SR-90	1.059E+04										
CONCEN (UC/ML)				2.115E-16		3.490E-16		8.926E-17	9.265E-23		9.00E-12
CURIES				2.100E-08		3.340E-08		1.103E-07			
UNCERT(CURIES)				7.000E-09		8.800E-09					
UNCERT(UC/ML)											
% OF TOTAL				100.000		100.000		100.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES				2.100E-08		3.340E-08		1.103E-07			
% OF TOTAL				100.000		100.000		100.000			
VOLUME (CU. METERS)		1.260E+08	9.590E+07	9.930E+07	1.230E+08	9.570E+07	8.930E+07	1.236E+09			

GRAND TOTALS (CURIES)				2.100E-08		3.340E-08		1.103E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CS-137	1.101E+04										
CONCEN (UC/ML)					1.257E-15			3.605E-15	6.741E-22	4.00E-10	
CURIES					2.540E-08			8.840E-07			
UNCERT(CURIES)					1.310E-08						
UNCERT(UC/ML)											
% OF TOTAL					0.041			1.345			
SR-90	1.059E+04										
CONCEN (UC/ML)					3.054E-12			2.644E-13	4.943E-20	9.00E-12	
CURIES					6.170E-05			6.482E-05			
UNCERT(CURIES)					2.710E-06						
UNCERT(UC/ML)											
% OF TOTAL					99.959			98.655			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES					6.173E-05			6.570E-05			
% OF TOTAL					100.000			100.000			
VOLUME (CU. METERS)		2.020E+07	2.080E+07	2.080E+07	2.020E+07	2.080E+07	2.020E+07	2.452E+08			
GRAND TOTALS (CURIES)					6.173E-05			6.570E-05			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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 CPP LIQUID WASTE TO INFILTRATION POND
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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
CO-60	1.924E+03									
CONCEN (UC/ML)			3.343E-10	2.207E-10	2.489E-10	3.383E-10	1.918E-10	3.983E-10	5.00E-06	0.01
CURIES			6.820E-05	4.260E-05	4.580E-05	6.360E-05	3.970E-05	1.002E-03		
UNCERT(CURIES)			1.300E-05	1.050E-05	1.170E-05	1.320E-05	9.130E-06			
UNCERT(UC/ML)										
% OF TOTAL			9.420	5.950	6.311	13.882	6.406	8.586		
CS-137	1.101E+04									
CONCEN (UC/ML)		1.065E-10	2.735E-10	2.000E-10	3.625E-10	2.798E-10		8.657E-10	3.00E-06	0.03
CURIES		2.140E-05	5.580E-05	3.860E-05	6.670E-05	5.260E-05		2.177E-03		
UNCERT(CURIES)		8.540E-06	1.570E-05	1.150E-05	1.630E-05	1.340E-05				
UNCERT(UC/ML)										
% OF TOTAL		2.834	7.707	5.391	9.191	11.481		18.663		
SR-90	1.059E+04									
CONCEN (UC/ML)		1.199E-09	7.010E-10	7.979E-10	1.500E-09		1.000E-09	1.089E-09	1.00E-06	0.11
CURIES		2.410E-04	1.430E-04	1.540E-04	2.760E-04		2.070E-04	2.739E-03		
UNCERT(CURIES)		4.020E-05	4.080E-05	3.860E-05	5.520E-05		4.140E-05			
UNCERT(UC/ML)										
% OF TOTAL		31.911	19.751	21.509	38.032		33.403	23.479		
TOTAL-PU										
CONCEN (UC/ML)		1.900E-11		3.000E-11	1.201E-11	2.101E-11		1.915E-11		
CURIES		3.820E-06		5.790E-06	2.210E-06	3.950E-06		4.815E-05		
UNCERT(CURIES)		1.010E-06		1.930E-06	9.200E-07	1.130E-06				
UNCERT(UC/ML)										
% OF TOTAL		0.506		0.809	0.305	0.862		0.413		
TOTAL-U										
CONCEN (UC/ML)		2.433E-09	2.240E-09	2.461E-09	1.821E-09	1.798E-09	1.802E-09	2.266E-09		
CURIES		4.890E-04	4.570E-04	4.750E-04	3.350E-04	3.380E-04	3.730E-04	5.700E-03		
UNCERT(CURIES)		4.500E-05	4.560E-05	4.330E-05	5.200E-05	3.760E-05	6.210E-05			
UNCERT(UC/ML)										
% OF TOTAL		64.749	63.122	66.342	46.162	73.775	60.190	48.860		
TOTALS										
ALPHA CURIES		3.820E-06		5.790E-06	2.210E-06	3.950E-06		4.815E-05		
% OF TOTAL		0.506		0.809	0.305	0.862		0.413		
B+G CURIES		7.514E-04	7.240E-04	7.102E-04	7.235E-04	4.542E-04	6.197E-04	1.162E-02		
% OF TOTAL		99.494	100.000	99.191	99.695	99.138	100.000	99.587		
VOLUME (LITERS)		2.010E+08	2.040E+08	1.930E+08	1.840E+08	1.880E+08	2.070E+08	2.515E+09		
GRAND TOTALS (CURIES)		7.552E-04	7.240E-04	7.160E-04	7.257E-04	4.581E-04	6.197E-04	1.167E-02		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February8, 1990, Figures III-1 and III-3

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**CPP Facility Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
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CPP FAST STACK AIRBORNE WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CO-60	1.924E+03										
CONCEN (UC/ML)					7.188E-15			1.248E-15	1.568E-21	8.00E-11	
CURIES					8.050E-07			8.050E-07			
UNCERT(CURIES)					3.740E-08						
UNCERT(UC/ML)											
% OF TOTAL					18.870			1.681			
CS-137	1.101E+04										
CONCEN (UC/ML)		4.817E-15	7.381E-15	8.701E-15	2.455E-14	5.352E-15	2.049E-15	8.922E-15	1.121E-20	4.00E-10	
CURIES		5.540E-07	8.340E-07	8.440E-07	2.750E-06	5.620E-07	2.110E-07	5.755E-06			
UNCERT(CURIES)		3.220E-08	3.890E-08	3.620E-08	2.750E-06	3.090E-08	2.620E-08				
UNCERT(UC/ML)											
% OF TOTAL		18.140	15.519	39.366	64.463	2.156	3.018	12.014			
SB-125	1.007E+03										
CONCEN (UC/ML)		2.174E-14	4.018E-14	1.340E-14	6.348E-15	5.819E-14	2.068E-14	2.681E-14	3.367E-20	1.00E-09	
CURIES		2.500E-06	4.540E-06	1.300E-06	7.110E-07	6.110E-06	2.130E-06	1.729E-05			
UNCERT(CURIES)		1.300E-07	1.690E-07	9.410E-08	7.190E-08	1.710E-07	1.110E-07				
UNCERT(UC/ML)											
% OF TOTAL		81.860	84.481	60.634	16.667	23.435	30.468	36.097			
SR-90	1.059E+04										
CONCEN (UC/ML)						1.848E-13	4.515E-14	3.729E-14	4.683E-20	9.00E-12	
CURIES						1.940E-05	4.650E-06	2.405E-05			
UNCERT(CURIES)						3.410E-06	1.050E-06				
UNCERT(UC/ML)											
% OF TOTAL						74.409	66.514	50.208			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		3.054E-06	5.374E-06	2.144E-06	4.266E-06	2.607E-05	6.991E-06	4.790E-05			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		1.150E+08	1.130E+08	9.700E+07	1.120E+08	1.050E+08	1.030E+08	6.450E+08			
GRAND TOTALS (CURIES)		3.054E-06	5.374E-06	2.144E-06	4.266E-06	2.607E-05	6.991E-06	4.790E-05			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
C-14	2.092E+06										
CONCEN (UC/ML)		7.812E-12	7.463E-12				2.154E-11	6.194E-12	5.209E-18	6.00E-09	
CURIES		1.000E-03	1.000E-03				2.800E-03	4.800E-03			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.020	0.020				0.523	0.012			
CO-57	2.718E+02										
CONCEN (UC/ML)							2.515E-16	4.219E-17	3.549E-23	2.00E-09	
CURIES							3.270E-08	3.270E-08			
UNCERT(CURIES)							8.320E-09				
UNCERT(UC/ML)											
% OF TOTAL											
CO-60	1.924E+03										
CONCEN (UC/ML)			2.440E-16	1.471E-15	4.470E-15	4.625E-15	9.231E-15	3.357E-15	2.823E-21	8.00E-11	
CURIES			3.270E-08	1.780E-07	5.990E-07	5.920E-07	1.200E-06	2.602E-06			
UNCERT(CURIES)			6.220E-09	1.350E-08	2.990E-08	7.300E-08	1.200E-07				
UNCERT(UC/ML)											
% OF TOTAL											
CS-134	7.537E+02										
CONCEN (UC/ML)		5.742E-15	5.239E-14	4.099E-14	1.022E-13	8.125E-14	1.638E-13	7.499E-14	6.307E-20	2.00E-10	
CURIES		7.350E-07	7.020E-06	4.960E-06	1.370E-05	1.040E-05	2.130E-05	5.812E-05			
UNCERT(CURIES)		2.640E-08	3.340E-07	1.280E-07	2.140E-07	3.560E-07	3.530E-07				
UNCERT(UC/ML)											
% OF TOTAL				0.007			0.004				
CS-137	1.101E+04										
CONCEN (UC/ML)		6.078E-13	3.910E-12	3.174E-12	7.761E-12	6.938E-12	1.415E-11	6.134E-12	5.159E-18	4.00E-10	
CURIES		7.780E-05	5.240E-04	3.840E-04	1.040E-03	8.880E-04	1.840E-03	4.754E-03			
UNCERT(CURIES)		7.230E-07	1.010E-05	6.800E-06	1.210E-05	2.490E-05	1.810E-05				
UNCERT(UC/ML)											
% OF TOTAL		0.002	0.010	0.577	0.007	0.006	0.344	0.012			
EU-152	4.891E+03										
CONCEN (UC/ML)							1.385E-14	2.323E-15	1.953E-21	5.00E-11	
CURIES							1.800E-06	1.800E-06			
UNCERT(CURIES)							7.030E-08				
UNCERT(UC/ML)											
% OF TOTAL											
EU-154	3.103E+03										
CONCEN (UC/ML)				3.017E-15	8.134E-15	7.313E-16	2.292E-14	5.843E-15	4.915E-21	5.00E-11	
CURIES				3.650E-07	1.090E-06	9.360E-08	2.980E-06	4.529E-06			
UNCERT(CURIES)				3.380E-08	5.580E-06	1.900E-08	2.090E-07				
UNCERT(UC/ML)											
% OF TOTAL				0.001			0.001				

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
EU-155	1.727E+03										
CONCEN (UC/ML)							1.246E-15	2.090E-16	1.758E-22	3.00E-10	
CURIES							1.620E-07	1.620E-07			
UNCERT(CURIES)							5.400E-08				
UNCERT(UC/ML)											
% OF TOTAL											
H-3	4.490E+03										
CONCEN (UC/ML)		3.949E-08	3.772E-08	5.218E-10	1.121E-07	1.173E-07	4.036E-09	5.256E-08	4.421E-14	1.00E-07	
CURIES		5.055E+00	5.055E+00	6.314E-02	1.502E+01	1.502E+01	5.247E-01	4.074E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		99.909	99.899	94.818	99.850	99.852	97.990	99.832			
I-129	5.840E+09										
CONCEN (UC/ML)		2.762E-11	2.638E-11	2.442E-11	1.584E-10	1.659E-10	4.296E-11	7.493E-11	6.302E-17	7.00E-11	
CURIES		3.535E-03	3.535E-03	2.955E-03	2.123E-02	2.123E-02	5.585E-03	5.807E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.070	0.070	4.438	0.141	0.141	1.043	0.142			
RU-106	3.726E+02										
CONCEN (UC/ML)		6.750E-14	1.097E-13	1.066E-13	3.164E-13	3.305E-13	5.646E-13	2.508E-13	2.109E-19	3.00E-11	
CURIES		8.640E-06	1.470E-05	1.290E-05	4.240E-05	4.230E-05	7.340E-05	1.943E-04			
UNCERT(CURIES)		3.730E-07	4.840E-07	5.160E-07	1.170E-06	2.110E-06	2.000E-06				
UNCERT(UC/ML)											
% OF TOTAL				0.019			0.014				
SB-125	1.007E+03										
CONCEN (UC/ML)		1.656E-14	1.500E-14	2.628E-14	9.030E-14	5.922E-14	1.208E-13	5.508E-14	4.633E-20	1.00E-09	
CURIES		2.120E-06	2.010E-06	3.180E-06	1.210E-05	7.580E-06	1.570E-05	4.269E-05			
UNCERT(CURIES)		1.020E-07	1.000E-07	1.380E-07	2.620E-07	7.870E-07	6.780E-07				
UNCERT(UC/ML)											
% OF TOTAL				0.005			0.003				
SR-90	1.059E+04										
CONCEN (UC/ML)			3.284E-14	7.471E-13	1.448E-12	2.383E-13	3.231E-12	9.539E-13	8.023E-19	9.00E-12	
CURIES			4.400E-06	9.040E-05	1.940E-04	3.050E-05	4.200E-04	7.393E-04			
UNCERT(CURIES)			1.840E-06	6.720E-06	1.010E-05	4.000E-06	3.910E-05				
UNCERT(UC/ML)											
% OF TOTAL				0.136	0.001		0.078	0.002			
TOTAL-PU											
CONCEN (UC/ML)					1.896E-17			3.277E-18	2.756E-24		
CURIES					2.540E-09			2.540E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											

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RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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CPP MAIN STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
TOTALS										
ALPHA CURIES					2.540E-09			2.540E-09		
% OF TOTAL										
B+G CURIES		5.060E+00	5.060E+00	6.659E-02	1.504E+01	1.504E+01	5.355E-01	4.081E+01		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (CU. METERS)		1.280E+08	1.340E+08	1.210E+08	1.340E+08	1.280E+08	1.300E+08	7.750E+08		
GRAND TOTALS (CURIES)		5.060E+00	5.060E+00	6.659E-02	1.504E+01	1.504E+01	5.355E-01	4.081E+01		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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 CPP MCF STACK AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
SR-90	1.059E+04										
CONCEN (UC/ML)			6.103E-16					9.217E-17	9.567E-23	9.00E-12	
CURIES			5.590E-08					5.590E-08			
UNCERT(CURIES)			1.650E-08								
UNCERT(UC/ML)											
% OF TOTAL			100.000					100.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES			5.590E-08					5.590E-08			
% OF TOTAL			100.000					100.000			
VOLUME (CU. METERS)		1.220E+08	9.160E+07	9.190E+07	1.130E+08	9.040E+07	9.760E+07	6.065E+08			

GRAND TOTALS (CURIES)			5.590E-08					5.590E-08			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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CPP RAL STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CS-137	1.101E+04										
CONCEN (UC/ML)		1.192E-15	1.625E-14			2.292E-14	1.577E-15	7.026E-15	1.314E-21	4.00E-10	
CURIES		2.480E-08	3.380E-07			4.630E-07	3.280E-08	8.586E-07			
UNCERT(CURIES)		1.160E-08	3.050E-08			3.680E-08	1.580E-08				
UNCERT(UC/ML)											
% OF TOTAL		100.000	100.000			12.922	100.000	21.580			
SR-90	1.059E+04										
CONCEN (UC/ML)						1.545E-13		2.553E-14	4.774E-21	9.00E-12	
CURIES						3.120E-06		3.120E-06			
UNCERT(CURIES)						1.150E-06					
UNCERT(UC/ML)											
% OF TOTAL						87.078		78.420			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		2.480E-08	3.380E-07			3.583E-06	3.280E-08	3.979E-06			
% OF TOTAL		100.000	100.000			100.000	100.000	100.000			
VOLUME (CU. METERS)		2.080E+07	2.080E+07	1.880E+07	2.080E+07	2.020E+07	2.080E+07	1.222E+08			
GRAND TOTALS (CURIES)		2.480E-08	3.380E-07			3.583E-06	3.280E-08	3.979E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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CPP LIQUID WASTE TO INFILTRATION POND
FOR JAN THROUGH JUN 1993

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
CO-60	1.924E+03									
CONCEN (UC/ML)				4.622E-10	2.355E-09		4.228E-10	5.543E-10	5.00E-06	0.01
CURIES				1.100E-04	5.370E-04		9.470E-05	7.417E-04		
UNCERT(CURIES)				9.770E-06	2.200E-05		1.620E-05			
UNCERT(UC/ML)										
% OF TOTAL				12.597	34.297		13.164	9.674		
CS-137	1.101E+04									
CONCEN (UC/ML)		5.591E-09	9.861E-11	7.395E-10	1.798E-09	1.495E-10	3.263E-10	1.451E-09	3.00E-06	0.05
CURIES		1.230E-03	2.130E-05	1.760E-04	4.100E-04	3.170E-05	7.310E-05	1.942E-03		
UNCERT(CURIES)		5.050E-05	1.060E-05	2.540E-05	2.110E-05	1.020E-05	1.460E-05			
UNCERT(UC/ML)										
% OF TOTAL		38.349	2.945	20.156	26.186	5.483	10.162	25.330		
SR-90	1.059E+04									
CONCEN (UC/ML)		6.500E-09	6.991E-10		6.009E-10			1.284E-09	1.00E-06	0.13
CURIES		1.430E-03	1.510E-04		1.370E-04			1.718E-03		
UNCERT(CURIES)		1.980E-04	4.320E-05		4.560E-05					
UNCERT(UC/ML)										
% OF TOTAL		44.585	20.877		8.750			22.407		
TOTAL-PU										
CONCEN (UC/ML)		2.900E-11		2.601E-11	3.399E-11	4.000E-11	1.598E-11	2.420E-11		
CURIES		6.380E-06		6.190E-06	7.750E-06	8.480E-06	3.580E-06	3.238E-05		
UNCERT(CURIES)		1.760E-06		6.190E-06	1.820E-06	2.120E-06	1.570E-06			
UNCERT(UC/ML)										
% OF TOTAL		0.199		0.709	0.495	1.467	0.498	0.422		
TOTAL-U										
CONCEN (UC/ML)		2.459E-09	2.551E-09	2.441E-09	2.079E-09	2.538E-09	2.446E-09	2.416E-09		
CURIES		5.410E-04	5.510E-04	5.810E-04	4.740E-04	5.380E-04	5.480E-04	3.233E-03		
UNCERT(CURIES)		4.930E-05	6.130E-05	4.260E-04	5.120E-05	4.750E-05	5.020E-05			
UNCERT(UC/ML)										
% OF TOTAL		16.867	76.179	66.538	30.273	93.051	76.177	42.167		
TOTALS										
ALPHA CURIES		6.380E-06		6.190E-06	7.750E-06	8.480E-06	3.580E-06	3.238E-05		
% OF TOTAL		0.199		0.709	0.495	1.467	0.498	0.422		
B+G CURIES		3.201E-03	7.233E-04	8.670E-04	1.558E-03	5.697E-04	7.158E-04	7.635E-03		
% OF TOTAL		99.801	100.000	99.291	99.505	98.533	99.502	99.577		
VOLUME (LITERS)		2.200E+08	2.160E+08	2.380E+08	2.280E+08	2.120E+08	2.240E+08	1.338E+09		
GRAND TOTALS (CURIES)		3.207E-03	7.233E-04	8.732E-04	1.566E-03	5.782E-04	7.194E-04	7.667E-03		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February8, 1990, Figures III-1 and III-3

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Decontamination and Decommissioning 1993 Detail Data

Decontamination and Decommissioning (D&D) Bar Graph of Annual Data by Month	D&D-3
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D&D Detail Data for Months January to June, Annual Average Concentration and Total Curies for January to June	D&D-11
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Decontamination and Decommissioning (D&D) Bar Graph of Annual Data by Month

Decontamination and Decommissioning (D&D) Monthly Details—CY 1993

D&D Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December

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 D+D DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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D+D-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AM-241	1.577E+05							
CURIES				1.819E-10				1.819E-10
% OF TOTAL								
GRAMS				5.287E-11				5.287E-11
CO-60	1.924E+03							
CURIES		2.562E-01	1.544E-01	2.880E-02	4.015E-02		8.000E-03	4.876E-01
% OF TOTAL		23.628	40.042	14.286	40.005		40.000	27.202
CS-137	1.101E+04							
CURIES		2.464E-01	1.544E-01	2.880E-02	4.015E-02		8.000E-03	4.782E-01
% OF TOTAL		22.724	40.042	14.286	40.005		40.000	26.682
PU-238	3.203E+04							
CURIES				3.637E-11				3.637E-11
% OF TOTAL								
GRAMS				2.127E-12				2.127E-12
PU-239	8.800E+06							
CURIES		4.809E-14		3.093E-10				3.093E-10
% OF TOTAL								
GRAMS		7.743E-13		4.980E-09				4.981E-09
PU-240	2.394E+06							
CURIES				3.093E-10				3.093E-10
% OF TOTAL								
GRAMS				1.362E-09				1.362E-09
SR-90	1.059E+04							
CURIES		5.817E-01	7.680E-02	1.440E-01	2.006E-02		4.000E-03	8.266E-01
% OF TOTAL		53.648	19.917	71.429	19.991		20.000	46.116
U-234	8.943E+07							
CURIES		1.780E-10		1.637E-07				1.639E-07
% OF TOTAL								
GRAMS		2.853E-08		2.623E-05				2.626E-05
U-235	2.570E+11							
CURIES		9.864E-12		1.082E-08				1.083E-08
% OF TOTAL								
GRAMS		4.567E-06		5.010E-03				5.015E-03
U-238	1.631E+12							
CURIES		5.152E-11		4.365E-08				4.370E-08
% OF TOTAL								
GRAMS		1.533E-04		1.299E-01				1.301E-01

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D+D DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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D+D-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS								
ALPHA CURIES		2.395E-10		2.190E-07				2.192E-07
% OF TOTAL								
B+G CURIES		1.084E+00	3.856E-01	2.016E-01	1.004E-01		2.000E-02	1.792E+00
% OF TOTAL		100.000	100.000	100.000	100.000		100.000	99.997
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM				0				5.287E-11
TOTAL GRAMS OF PU		0		0				0
TOTAL GRAMS OF PU-239+241		0		0				0
TOTAL GRAMS OF U		0		1.349E-01				1.351E-01
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		7.792E+01	1.631E+01	1.310E+01	4.713E+01		7.240E+00	3.440E+02
WEIGHT (KILOGRAMS)		3.812E+04	7.802E+03	4.049E+03	1.778E+04		2.948E+00	2.016E+05

GRAND TOTALS (CURIES)		1.084E+00	3.856E-01	2.016E-01	1.004E-01		2.000E-02	1.792E+00

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D&D Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June

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D+D DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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D+D-S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CS-137	1.101E+04							
CURIES			4.171E-05	4.385E-04	1.820E-06			4.820E-04
% OF TOTAL			100.000	100.000	100.000			100.000
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES			4.171E-05	4.385E-04	1.820E-06			4.820E-04
% OF TOTAL			100.000	100.000	100.000			100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)			1.988E+01	1.296E+02	3.285E+01			1.823E+02
WEIGHT (KILOGRAMS)			1.065E+04	8.144E+04	4.176E+04			1.339E+05

GRAND TOTALS (CURIES)			4.171E-05	4.385E-04	1.820E-06			4.820E-04

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Naval Reactor Facility 1993 Detail Data

Naval Reactor Facility (NRF) Bar Graphs of Annual Data by Month	NRF-3
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Naval Reactor Facility (NRF) Bar Graphs of Annual Data by Month

Naval Recators Facility (NRF) Monthly Details - CY 1993

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NRF Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December

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NRF AIRBORNE WASTE SUMMARY
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NRF-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		3.010E-10	1.413E-10	4.773E-10	3.730E-10	1.329E-10	7.992E-11	1.969E-10	3.884E-16	1.00E-08	
CURIES		3.780E-02	2.351E-02	6.370E-02	4.510E-02	2.000E-02	1.000E-02	3.241E-01			
% OF TOTAL		28.600	47.131	39.396	78.960	13.277	33.358	24.977			
C-14	2.092E+06										
CONCEN (UC/ML)		7.150E-10	1.308E-10	6.797E-10	6.038E-11	8.042E-10	9.361E-11	5.507E-10	1.086E-15	6.00E-09	
CURIES		8.980E-02	2.176E-02	9.070E-02	7.300E-03	1.210E-01	1.171E-02	9.064E-01			
% OF TOTAL		67.943	43.627	56.095	12.781	80.328	39.070	69.854			
GROSS-BETA											
CONCEN (UC/ML)		3.968E-15	5.213E-15	7.584E-15	8.997E-15	1.076E-14	1.224E-13	1.684E-14	3.322E-20		
CURIES		4.984E-07	8.674E-07	1.012E-06	1.088E-06	1.619E-06	1.531E-05	2.772E-05			
% OF TOTAL			0.002	0.001	0.002	0.001	0.051	0.002			
H-3	4.490E+03										
CONCEN (UC/ML)		3.638E-11	2.770E-11	5.461E-11	3.900E-11	6.400E-11	6.593E-11	4.073E-11	8.033E-17	1.00E-07	
CURIES		4.569E-03	4.609E-03	7.288E-03	4.716E-03	9.630E-03	8.250E-03	6.704E-02			
% OF TOTAL		3.457	9.240	4.508	8.257	6.393	27.520	5.167			
I-131	8.040E+00										
CONCEN (UC/ML)		3.026E-15	2.044E-15	2.323E-15	3.887E-15	5.715E-15	2.318E-15	2.795E-15	5.512E-21	4.00E-10	
CURIES		3.800E-07	3.400E-07	3.100E-07	4.700E-07	8.600E-07	2.900E-07	4.600E-06			
% OF TOTAL			0.001		0.001	0.001	0.001				
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		1.322E-01	4.988E-02	1.617E-01	5.712E-02	1.506E-01	2.998E-02	1.298E+00			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.998			
VOLUME (CU. METERS)		1.256E+08	1.664E+08	1.334E+08	1.209E+08	1.505E+08	1.251E+08	1.646E+09			
GRAND TOTALS (CURIES)		1.322E-01	4.988E-02	1.617E-01	5.712E-02	1.506E-01	2.998E-02	1.298E+00			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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NRF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E+03	1.100E-02	1.600E-02 8.315	4.290E-01 0.011		1.568E-03 42.476	1.764E-03 9.976	4.593E-01 0.001
C-14 CURIES % OF TOTAL	2.092E+06	3.960E-01 0.004	1.938E-03 1.007	9.904E-02 0.003			2.708E-06 0.015	1.298E+00 0.003
CO-57 CURIES % OF TOTAL	2.718E+02							2.270E-04
CO-58 CURIES % OF TOTAL	7.091E+01	3.371E+01 0.311		8.995E+00 0.234			1.760E-05 0.100	8.422E+01 0.199
CO-60 CURIES % OF TOTAL	1.924E+03	1.943E+03 17.903	8.510E-02 44.225	9.375E+02 24.425		5.130E-06 0.139	9.424E-03 53.298	8.632E+03 20.427
CR-51 CURIES % OF TOTAL	2.770E+01	2.619E+00 0.024		1.750E-01 0.005				1.351E+01 0.032
CS-137 CURIES % OF TOTAL	1.101E+04	1.100E-02	1.600E-02 8.315	4.290E-01 0.011		1.568E-03 42.476	1.764E-03 9.976	5.077E-01 0.001
EU-152 CURIES % OF TOTAL	4.891E+03							4.840E-04
EU-154 CURIES % OF TOTAL	3.103E+03							3.050E-04
FE-55 CURIES % OF TOTAL	9.782E+02	1.935E+03 17.829	1.313E-02 6.823	6.281E+02 16.365		5.440E-04 14.736	3.677E-03 20.794	7.126E+03 16.862
FE-59 CURIES % OF TOTAL	4.451E+01							5.000E-05
H-3 CURIES % OF TOTAL	4.490E+03	2.455E-05		6.080E-06				1.505E-04

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 NRF DISPOSED SOLID WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
I-129 CURIES % OF TOTAL	5.840E+09	1.611E-11	7.780E-09	1.460E-10			4.400E-12	1.218E-07
MN-54 CURIES % OF TOTAL	3.122E+02	1.684E-05		8.000E-04			1.038E-05 0.059	1.974E-01
NB-95 CURIES % OF TOTAL	3.498E+01	1.278E+02 1.178		3.010E+01 0.784				4.245E+02 1.004
NI-59 CURIES % OF TOTAL	2.774E+07	6.120E+01 0.564		1.530E+01 0.399				1.938E+02 0.459
NI-63 CURIES % OF TOTAL	3.650E+04	6.070E+03 55.928	5.260E-02 27.335	2.020E+03 52.628			8.407E-04 4.754	2.355E+04 55.730
PU-238 CURIES % OF TOTAL GRAMS	3.203E+04							7.890E-08 4.614E-09
RU-106 CURIES % OF TOTAL	3.726E+02	1.500E-05		5.847E-06			1.746E-04 0.988	4.615E-04
SB-125 CURIES % OF TOTAL	1.007E+03	1.422E+02 1.310		4.620E+01 1.204				5.264E+02 1.246
SN-119M CURIES % OF TOTAL	2.930E+02	4.450E+02 4.100		1.370E+02 3.569				1.478E+03 3.497
SN-121M CURIES % OF TOTAL	2.008E+04							1.200E-02
SR-90 CURIES % OF TOTAL	1.059E+04	2.500E-03	3.854E-03 2.003	9.900E-02 0.003		3.200E-06 0.087	3.600E-06 0.020	1.099E-01
TC-99 CURIES % OF TOTAL	7.775E+07	1.332E-04	1.949E-06 0.001	3.334E-05			2.708E-09	4.524E-04

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IDAHO OPERATIONS OFFICE
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NRF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
Y-90	2.667E+00							
CURIES		2.500E-03	3.800E-03	9.900E-02		3.200E-06	3.600E-06	1.053E-01
% OF TOTAL			1.975	0.003		0.087	0.020	
ZR-95	6.403E+01							
CURIES		9.234E+01		1.370E+01				2.271E+02
% OF TOTAL		0.851		0.357				0.537
TOTALS								
ALPHA CURIES								7.890E-08
% OF TOTAL								
B+G CURIES		1.085E+04	1.924E-01	3.838E+03		3.692E-03	1.768E-02	4.226E+04
% OF TOTAL		100.000	100.000	100.000		100.000	100.000	99.999
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								0
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		2.270E+01	9.061E+00	2.950E+01		3.328E+00	2.383E+01	1.464E+02
WEIGHT (KILOGRAMS)		2.626E+04	3.357E+03	1.619E+04		5.539E+03	1.966E+04	1.303E+05
GRAND TOTALS (CURIES)		1.085E+04	1.924E-01	3.838E+03		3.692E-03	1.768E-02	4.226E+04

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		NRF SOLID WASTE SUMMARY						
		WASTE SENT TO WERF FOR METALLIC PROCESSING						
		FROM JAN THROUGH DEC 1993						
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CO-60	1.924E+03							
CURIES								4.900E-05
% OF TOTAL								68.383
FE-55	9.782E+02							
CURIES								2.915E-06
% OF TOTAL								4.068
NI-63	3.650E+04							
CURIES								1.974E-05
% OF TOTAL								27.549
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								
% OF TOTAL								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								
WEIGHT (KILOGRAMS)								

GRAND TOTALS (CURIES)								7.165E-05

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IDAHO OPERATIONS OFFICE
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 NRF SOLID WASTE SUMMARY
 MERF INCINERATOR PROCESSED WASTE
 FROM JAN THROUGH DEC 1993

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
C-14	2.092E+06							
CURIES			7.908E-06			3.031E-05		2.145E-04
% OF TOTAL			0.086			0.074		0.138
CO-57	2.718E+02							
CURIES			2.755E-06			2.030E-06		4.059E-05
% OF TOTAL			0.030			0.005		0.026
CO-58	7.091E+01							
CURIES			5.701E-05			2.011E-04		1.478E-03
% OF TOTAL			0.617			0.489		0.947
CO-60	1.924E+03							
CURIES			5.738E-03			2.622E-02		8.814E-02
% OF TOTAL			62.099			63.716		56.496
CS-137	1.101E+04							
CURIES			5.130E-06			3.780E-06		7.571E-05
% OF TOTAL			0.056			0.009		0.049
EU-152	4.891E+03							
CURIES			5.890E-06			4.340E-06		8.763E-05
% OF TOTAL			0.064			0.011		0.056
EU-154	3.103E+03							
CURIES			3.705E-06			2.730E-06		5.424E-05
% OF TOTAL			0.040			0.007		0.035
FE-55	9.782E+02							
CURIES			2.635E-03			1.127E-02		5.162E-02
% OF TOTAL			28.517			27.394		33.085
I-129	5.840E+09							
CURIES			2.900E-11			1.111E-10		7.890E-10
% OF TOTAL								
MN-54	3.122E+02							
CURIES			3.411E-05			1.190E-04		8.792E-04
% OF TOTAL			0.369			0.289		0.564
NB-95	3.498E+01							
CURIES			5.130E-06			3.780E-06		7.571E-05
% OF TOTAL			0.056			0.009		0.049
NI-63	3.650E+04							
CURIES			6.448E-04			2.838E-03		1.195E-02
% OF TOTAL			6.978			6.896		7.663
RU-106	3.726E+02							
CURIES			9.793E-05			4.514E-04		1.355E-03
% OF TOTAL			1.060			1.097		0.868
TC-99	7.775E+07							
CURIES			7.908E-09			3.031E-08		2.145E-07
% OF TOTAL								
ZR-95	6.403E+01							
CURIES			2.755E-06			2.030E-06		4.059E-05
% OF TOTAL			0.030			0.005		0.026

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NUCLIDES	HALF LIFE (DAYS)	JULY	NRF SOLID WASTE SUMMARY WERF INCINERATOR PROCESSED WASTE FROM JAN THROUGH DEC 1993					ANNUAL TOTAL
			AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								
% OF TOTAL								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								
WEIGHT (KILOGRAMS)								

GRAND TOTALS (CURIES)			9.240E-03			4.115E-02		1.560E-01

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NRF SOLID WASTE SUMMARY
WASTE SENT TO WERF FOR COMPACTION
FROM JAN THROUGH DEC 1993

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
BA-137M	1.772E-03							
CURIES								2.067E-03
% OF TOTAL								0.150
C-14	2.092E+06							
CURIES								3.627E-03
% OF TOTAL								0.263
CO-57	2.718E+02							
CURIES								1.369E-03
% OF TOTAL								0.099
CO-58	7.091E+01							
CURIES								3.940E-02
% OF TOTAL								2.861
CO-60	1.924E+03							
CURIES								5.489E-01
% OF TOTAL								39.860
CR-51	2.770E+01							
CURIES								4.040E-03
% OF TOTAL								0.293
CS-134	7.537E+02							
CURIES								4.000E-07
% OF TOTAL								
CS-137	1.101E+04							
CURIES								4.616E-03
% OF TOTAL								0.335
EU-152	4.891E+03							
CURIES								2.925E-03
% OF TOTAL								0.212
EU-154	3.103E+03							
CURIES								1.840E-03
% OF TOTAL								0.134
FE-55	9.782E+02							
CURIES								6.113E-01
% OF TOTAL								44.386
FE-59	4.451E+01							
CURIES								6.600E-04
% OF TOTAL								0.048
I-129	5.840E+09							
CURIES								1.330E-08
% OF TOTAL								
K-40	4.709E+11							
CURIES								6.000E-05
% OF TOTAL								0.004
MN-54	3.122E+02							
CURIES								1.804E-02
% OF TOTAL								1.310
NB-95	3.498E+01							
CURIES								6.858E-03
% OF TOTAL								0.498

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NRF SOLID WASTE SUMMARY
WASTE SENT TO WERF FOR COMPACTION
FROM JAN THROUGH DEC 1993

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
NI-63	3.650E+04							
CURIES								1.226E-01
% OF TOTAL								8.904
PU-238	3.203E+04							
CURIES								1.140E-06
% OF TOTAL								6.667E-08
GRAMS								
PU-239	8.800E+06							
CURIES								5.400E-07
% OF TOTAL								8.696E-06
GRAMS								
RU-106	3.726E+02							
CURIES								4.144E-03
% OF TOTAL								0.301
SR-90	1.059E+04							
CURIES								6.880E-04
% OF TOTAL								0.050
TC-99	7.775E+07							
CURIES								3.627E-06
% OF TOTAL								
Y-90	2.667E+00							
CURIES								6.880E-04
% OF TOTAL								0.050
ZR-95	6.403E+01							
CURIES								3.309E-03
% OF TOTAL								0.240
TOTALS								
ALPHA CURIES								1.680E-06
% OF TOTAL								
B+G CURIES								1.377E+00
% OF TOTAL								99.999
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								0
TOTAL GRAMS OF PU-239+241								0
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								1.141E+02
WEIGHT (KILOGRAMS)								1.557E+04
GRAND TOTALS (CURIES)								1.377E+00

NRF-17

NRF Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
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NRF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NRF-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		2.008E-10	1.598E-10	1.206E-10	1.137E-10	1.248E-10	1.834E-10	1.504E-10	2.967E-16	1.00E-08	
CURIES		2.410E-02	2.000E-02	1.767E-02	1.510E-02	1.670E-02	3.040E-02	1.240E-01			
% OF TOTAL		23.482	23.946	8.762	21.640	12.045	25.374	17.313			
C-14	2.092E+06										
CONCEN (UC/ML)		5.999E-10	4.795E-10	1.237E-09	3.622E-10	8.850E-10	5.091E-10	6.846E-10	1.350E-15	6.00E-09	
CURIES		7.200E-02	6.000E-02	1.812E-01	4.810E-02	1.184E-01	8.440E-02	5.641E-01			
% OF TOTAL		70.153	71.839	89.852	68.931	85.394	70.447	78.779			
GROSS-BETA											
CONCEN (UC/ML)		9.814E-15	2.065E-14	1.128E-14	3.742E-15	4.878E-15	4.585E-15	8.887E-15	1.753E-20		
CURIES		1.178E-06	2.584E-06	1.652E-06	4.969E-07	6.526E-07	7.601E-07	7.323E-06			
% OF TOTAL		0.001	0.003	0.001	0.001		0.001	0.001			
H-3	4.490E+03										
CONCEN (UC/ML)		5.441E-11	2.810E-11	1.907E-11	4.954E-11	2.654E-11	3.020E-11	3.395E-11	6.696E-17	1.00E-07	
CURIES		6.531E-03	3.517E-03	2.793E-03	6.579E-03	3.550E-03	5.006E-03	2.798E-02			
% OF TOTAL		6.363	4.211	1.385	9.428	2.560	4.178	3.907			
I-131	8.040E+00										
CONCEN (UC/ML)		3.499E-15	2.397E-15	2.185E-15	2.108E-15	2.616E-15	1.689E-15	2.366E-15	4.668E-21	4.00E-10	
CURIES		4.200E-07	3.000E-07	3.200E-07	2.800E-07	3.500E-07	2.800E-07	1.950E-06			
% OF TOTAL											
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		1.026E-01	8.352E-02	2.017E-01	6.978E-02	1.387E-01	1.198E-01	7.161E-01			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		1.200E+08	1.251E+08	1.465E+08	1.328E+08	1.338E+08	1.658E+08	8.240E+08			
GRAND TOTALS (CURIES)		1.026E-01	8.352E-02	2.017E-01	6.978E-02	1.387E-01	1.198E-01	7.161E-01			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 NRF DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

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 NRF-S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
C-14	2.092E+06							
CURIES		3.000E-01	2.044E-01	1.980E-01	9.900E-02	5.000E-06		8.014E-01
% OF TOTAL		0.003	0.003	0.003	0.003			0.003
CO-57	2.718E+02							
CURIES						2.270E-04		2.270E-04
% OF TOTAL						0.004		
CO-58	7.091E+01							
CURIES		6.965E+00	1.673E+01	1.661E+01	5.171E-01	6.905E-01		4.151E+01
% OF TOTAL		0.065	0.263	0.224	0.017	13.040		0.151
CO-60	1.924E+03							
CURIES		2.689E+03	1.018E+03	1.619E+03	4.240E+02	1.416E+00		5.752E+03
% OF TOTAL		25.234	15.998	21.852	13.540	26.745		20.864
CR-51	2.770E+01							
CURIES		1.848E-02	5.045E+00	5.650E+00	1.111E-03			1.071E+01
% OF TOTAL			0.079	0.076				0.039
CS-137	1.101E+04							
CURIES			4.790E-02			4.268E-04		4.833E-02
% OF TOTAL			0.001			0.008		
EU-152	4.891E+03							
CURIES						4.840E-04		4.840E-04
% OF TOTAL						0.009		
EU-154	3.103E+03							
CURIES						3.050E-04		3.050E-04
% OF TOTAL						0.006		
FE-55	9.782E+02							
CURIES		1.654E+03	1.163E+03	1.192E+03	5.510E+02	2.624E+00		4.563E+03
% OF TOTAL		15.522	18.270	16.089	17.595	49.544		16.551
FE-59	4.451E+01							
CURIES					5.000E-05			5.000E-05
% OF TOTAL								
H-3	4.490E+03							
CURIES		8.953E-05	1.241E-05	1.201E-05	5.910E-06			1.199E-04
% OF TOTAL								
I-129	5.840E+09							
CURIES			1.138E-07			1.800E-11		1.138E-07
% OF TOTAL								

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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 NRF DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
MN-54 CURIES % OF TOTAL	3.122E+02		9.800E-02 0.002		2.000E-04	9.833E-02 1.857		1.965E-01 0.001
NB-95 CURIES % OF TOTAL	3.498E+01	1.966E+01 0.184	1.197E+02 1.880	1.245E+02 1.681	2.691E+00 0.086	4.220E-04 0.008		2.666E+02 0.967
NI-59 CURIES % OF TOTAL	2.774E+07	4.420E+01 0.415	2.720E+01 0.427	3.060E+01 0.413	1.530E+01 0.489			1.173E+02 0.425
NI-63 CURIES % OF TOTAL	3.650E+04	5.820E+03 54.617	3.601E+03 56.565	4.030E+03 54.394	2.010E+03 64.184	4.644E-01 8.769		1.546E+04 56.085
PU-238 CURIES % OF TOTAL GRAMS	3.203E+04					7.890E-08		7.890E-08
						4.614E-09		4.614E-09
RU-106 CURIES % OF TOTAL	3.726E+02					2.660E-04 0.005		2.660E-04
SB-125 CURIES % OF TOTAL	1.007E+03	1.244E+02 1.167	8.520E+01 1.338	8.780E+01 1.185	4.060E+01 1.296			3.380E+02 1.226
SN-119M CURIES % OF TOTAL	2.930E+02	2.886E+02 2.708	2.750E+02 4.320	2.460E+02 3.320	8.620E+01 2.753			8.958E+02 3.249
SN-121M CURIES % OF TOTAL	2.008E+04	1.200E-02						1.200E-02
SR-90 CURIES % OF TOTAL	1.059E+04	2.440E-06	4.574E-03					4.576E-03
TC-99 CURIES % OF TOTAL	7.775E+07	9.620E-05	8.780E-05	6.660E-05	3.330E-05	5.100E-09		2.839E-04
ZR-95 CURIES % OF TOTAL	6.403E+01	8.945E+00 0.084	5.431E+01 0.853	5.659E+01 0.764	1.220E+00 0.039	2.270E-04 0.004		1.211E+02 0.439

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
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RUN DATE: 05/12/94

NRF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
TOTALS								
ALPHA CURIES							7.890E-08	7.890E-08
% OF TOTAL								
B+G CURIES		1.066E+04	6.366E+03	7.409E+03	3.132E+03	5.295E+00		2.757E+04
% OF TOTAL		100.000	100.000	100.000	100.000	100.000		99.999
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		7.980E+00	7.982E+00	5.320E+00	1.716E+01	1.958E+01		5.802E+01
WEIGHT (KILOGRAMS)		1.116E+04	1.912E+04	7.926E+03	1.098E+04	1.010E+04		5.928E+04

GRAND TOTALS (CURIES)		1.066E+04	6.366E+03	7.409E+03	3.132E+03	5.295E+00		2.757E+04

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NUCLIDES	HALF LIFE (DAYS)	NRF SOLID WASTE SUMMARY WASTE SENT TO WERF FOR METALLIC PROCESSING FROM JAN THROUGH JUN 1993						ANNUAL TOTAL
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	
CO-60	1.924E+03							
CURIES			4.900E-05					4.900E-05
% OF TOTAL			68.383					68.383
FE-55	9.782E+02							
CURIES			2.915E-06					2.915E-06
% OF TOTAL			4.068					4.068
NI-63	3.650E+04							
CURIES			1.974E-05					1.974E-05
% OF TOTAL			27.549					27.549
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES			7.165E-05					7.165E-05
% OF TOTAL			100.000					100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)			2.922E+00					2.922E+00
WEIGHT (KILOGRAMS)			2.268E+02					2.268E+02

GRAND TOTALS (CURIES)			7.165E-05					7.165E-05

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IDAHO OPERATIONS OFFICE
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NRF SOLID WASTE SUMMARY
MERF INCINERATOR PROCESSED WASTE
FROM JAN THROUGH JUN 1993

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
C-14	2.092E+06							
CURIES			2.700E-05		9.200E-05	3.800E-05	1.932E-05	1.763E-04
% OF TOTAL			0.161		0.194	0.170	0.102	0.167
CO-57	2.718E+02							
CURIES			1.200E-05		1.600E-05	2.000E-06	5.800E-06	3.580E-05
% OF TOTAL			0.072		0.034	0.009	0.031	0.034
CO-58	7.091E+01							
CURIES			1.990E-04		6.320E-04	2.510E-04	1.374E-04	1.219E-03
% OF TOTAL			1.189		1.331	1.121	0.723	1.154
CO-60	1.924E+03							
CURIES			8.938E-03		2.385E-02	1.193E-02	1.147E-02	5.619E-02
% OF TOTAL			53.412		50.229	53.246	60.345	53.194
CS-137	1.101E+04							
CURIES			2.300E-05		2.900E-05	4.000E-06	1.080E-05	6.680E-05
% OF TOTAL			0.137		0.061	0.018	0.057	0.063
EU-152	4.891E+03							
CURIES			2.600E-05		3.400E-05	5.000E-06	1.240E-05	7.740E-05
% OF TOTAL			0.155		0.072	0.022	0.065	0.073
EU-154	3.103E+03							
CURIES			1.600E-05		2.100E-05	3.000E-06	7.800E-06	4.780E-05
% OF TOTAL			0.096		0.044	0.013	0.041	0.045
FE-55	9.782E+02							
CURIES			5.897E-03		1.809E-02	8.028E-03	5.690E-03	3.771E-02
% OF TOTAL			35.240		38.107	35.839	29.936	35.701
I-129	5.840E+09							
CURIES			9.800E-11		3.400E-10	1.400E-10	7.084E-11	6.488E-10
% OF TOTAL								
MN-54	3.122E+02							
CURIES			1.200E-04		3.760E-04	1.480E-04	8.206E-05	7.261E-04
% OF TOTAL			0.717		0.792	0.661	0.432	0.687
NB-95	3.498E+01							
CURIES			2.300E-05		2.900E-05	4.000E-06	1.080E-05	6.680E-05
% OF TOTAL			0.137		0.061	0.018	0.057	0.063
NI-63	3.650E+04							
CURIES			1.308E-03		3.978E-03	1.821E-03	1.365E-03	8.472E-03
% OF TOTAL			7.816		6.378	8.129	7.181	8.021
RU-106	3.726E+02							
CURIES			1.330E-04		3.150E-04	1.670E-04	1.903E-04	8.053E-04
% OF TOTAL			0.795		0.663	0.746	1.001	0.762
TC-99	7.775E+07							
CURIES			2.700E-08		9.200E-08	3.800E-08	1.932E-08	1.763E-07
% OF TOTAL								
ZR-95	6.403E+01							
CURIES			1.200E-05		1.600E-05	2.000E-06	5.800E-06	3.580E-05
% OF TOTAL			0.072		0.034	0.009	0.031	0.034

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U.S. DEPARTMENT OF ENERGY
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NRF SOLID WASTE SUMMARY
WERF INCINERATOR PROCESSED WASTE
FROM JAN THROUGH JUN 1993

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES			1.673E-02		4.748E-02	2.240E-02	1.901E-02	1.056E-01
% OF TOTAL			100.000		100.000	100.000	100.000	99.999
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)			2.294E+01		2.294E+01	2.294E+01	2.294E+01	9.176E+01
WEIGHT (KILOGRAMS)			2.251E+03		2.443E+03	2.523E+03	2.599E+03	9.816E+03

GRAND TOTALS (CURIES)			1.673E-02		4.748E-02	2.240E-02	1.901E-02	1.056E-01

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 NRF SOLID WASTE SUMMARY
 WASTE SENT TO WERF FOR COMPACTION
 FROM JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
BA-137M	1.772E+03							
CURIES		7.000E-06				2.060E-03		2.067E-03
% OF TOTAL		0.112				1.595		0.150
C-14	2.092E+06							
CURIES		9.000E-06					3.618E-03	3.627E-03
% OF TOTAL		0.144					0.295	0.263
CO-57	2.718E+02							
CURIES		3.700E-05					1.332E-03	1.369E-03
% OF TOTAL		0.592					0.109	0.099
CO-58	7.091E+01							
CURIES		1.310E-04				1.304E-02	2.623E-02	3.940E-02
% OF TOTAL		2.095				10.095	2.139	2.861
CO-60	1.924E+03							
CURIES		2.997E-03		1.090E-02	1.160E-04	6.521E-02	4.697E-01	5.489E-01
% OF TOTAL		47.933		71.711	80.556	50.483	38.301	39.860
CR-51	2.770E+01							
CURIES						4.040E-03		4.040E-03
% OF TOTAL						3.128		0.293
CS-134	7.537E+02							
CURIES		4.000E-07						4.000E-07
% OF TOTAL		0.006						
CS-137	1.101E+04							
CURIES		7.600E-05				2.060E-03	2.480E-03	4.616E-03
% OF TOTAL		1.216				1.595	0.202	0.335
EU-152	4.891E+03							
CURIES		7.800E-05					2.847E-03	2.925E-03
% OF TOTAL		1.248					0.232	0.212
EU-154	3.103E+03							
CURIES		4.900E-05					1.791E-03	1.840E-03
% OF TOTAL		0.784					0.146	0.134
FE-55	9.782E+02							
CURIES		2.227E-03		3.200E-03	2.600E-05	2.682E-02	5.790E-01	6.113E-01
% OF TOTAL		35.618		21.053	18.056	20.763	47.211	44.386
FE-59	4.451E+01							
CURIES						6.600E-04		6.600E-04
% OF TOTAL						0.511		0.048
I-129	5.840E+09							
CURIES		3.200E-11					1.327E-08	1.330E-08
% OF TOTAL								
K-40	4.709E+11							
CURIES						6.000E-05		6.000E-05
% OF TOTAL						0.046		0.004
MN-54	3.122E+02							
CURIES		8.300E-05				2.250E-03	1.570E-02	1.804E-02
% OF TOTAL		1.327				1.742	1.280	1.310
NB-95	3.498E+01							
CURIES		6.800E-05				4.310E-03	2.480E-03	6.858E-03
% OF TOTAL		1.088				3.337	0.202	0.498

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U.S. DEPARTMENT OF ENERGY
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NRF SOLID WASTE SUMMARY
WASTE SENT TO WERF FOR COMPACTION
FROM JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
NI-63	3.650E+04							
CURIES		3.760E-04		9.000E-04	2.000E-06	5.360E-03	1.160E-01	1.226E-01
% OF TOTAL		6.014		5.921	1.389	4.150	9.457	8.904
PU-238	3.203E+04							
CURIES		6.000E-08				1.080E-06		1.140E-06
% OF TOTAL		0.001				0.001		
GRAMS		3.509E-09				6.316E-08		6.667E-08
PU-239	8.800E+06							
CURIES						5.400E-07		5.400E-07
% OF TOTAL								
GRAMS						8.696E-06		8.696E-06
RU-106	3.726E+02							
CURIES		6.100E-05		2.000E-04			3.883E-03	4.144E-03
% OF TOTAL		0.976		1.316			0.317	0.301
SR-90	1.059E+04							
CURIES		8.000E-06				6.800E-04		6.880E-04
% OF TOTAL		0.128				0.526		0.050
TC-99	7.775E+07							
CURIES		8.700E-09					3.618E-06	3.627E-06
% OF TOTAL								
Y-90	2.667E+00							
CURIES		8.000E-06				6.800E-04		6.880E-04
% OF TOTAL		0.128				0.526		0.050
ZR-95	6.403E+01							
CURIES		3.700E-05				1.940E-03	1.332E-03	3.309E-03
% OF TOTAL		0.592				1.502	0.109	0.240
TOTALS								
ALPHA CURIES		6.000E-08				1.620E-06		1.680E-06
% OF TOTAL		0.001				0.001		
B+G CURIES		6.252E-03		1.520E-02	1.440E-04	1.292E-01	1.226E+00	1.377E+00
% OF TOTAL		99.999		100.000	100.000	99.999	100.000	99.999
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU		0				0		0
TOTAL GRAMS OF PU-239+241						0		0
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		1.274E+01		3.010E+01	1.812E+00	3.262E+01	3.684E+01	1.141E+02
WEIGHT (KILOGRAMS)		1.515E+03		4.334E+03	1.648E+03	2.695E+03	5.383E+03	1.557E+04
GRAND TOTALS (CURIES)		6.252E-03		1.520E-02	1.440E-04	1.292E-01	1.226E+00	1.377E+00

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**NRF Facility Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

A1M AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02									
CONCEN (UC/ML)		1.037E-10	1.133E-11	7.500E-11	2.043E-10		6.667E-11	5.979E-11	4.155E-17	1.00E-08
CURIES		2.800E-03	5.100E-04	2.700E-03	4.700E-03		1.600E-03	2.248E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		94.595	47.651	89.689	97.505		78.286	88.119		
GROSS-BETA										
CONCEN (UC/ML)		4.815E-17	6.222E-15	1.111E-14	1.087E-14	1.724E-14	1.583E-13	1.865E-14	1.296E-20	
CURIES		1.300E-09	2.800E-07	4.000E-07	2.500E-07	5.000E-07	3.800E-06	7.011E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL			0.026	0.013	0.005	0.125	0.186	0.027		
H-3	4.490E+03									
CONCEN (UC/ML)		5.926E-12	1.244E-11	8.611E-12	5.217E-12	1.379E-11	1.833E-11	8.043E-12	5.589E-18	1.00E-07
CURIES		1.600E-04	5.600E-04	3.100E-04	1.200E-04	4.000E-04	4.400E-04	3.024E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		5.405	52.323	10.298	2.489	99.875	21.529	11.854		
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		2.960E-03	1.070E-03	3.010E-03	4.820E-03	4.005E-04	2.044E-03	2.551E-02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (CU. METERS)		2.700E+07	4.500E+07	3.600E+07	2.300E+07	2.900E+07	2.400E+07	3.760E+08		
GRAND TOTALS (CURIES)		2.960E-03	1.070E-03	3.010E-03	4.820E-03	4.005E-04	2.044E-03	2.551E-02		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
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RUN DATE: 05/11/94

AIM DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993PAGE 1 RPT. 322
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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E-03							2.060E-03 1.537
CO-58 CURIES % OF TOTAL	7.091E+01							1.336E-02 9.966
CO-60 CURIES % OF TOTAL	1.924E+03							6.741E-02 50.283
CR-51 CURIES % OF TOTAL	2.770E+01							4.160E-03 3.103
CS-137 CURIES % OF TOTAL	1.101E+04							2.060E-03 1.537
FE-55 CURIES % OF TOTAL	9.782E+02							2.863E-02 21.356
FE-59 CURIES % OF TOTAL	4.451E+01							7.100E-04 0.530
K-40 CURIES % OF TOTAL	4.709E+11							6.000E-05 0.045
MN-54 CURIES % OF TOTAL	3.122E+02							2.450E-03 1.828
NB-95 CURIES % OF TOTAL	3.498E+01							4.360E-03 3.252
NI-63 CURIES % OF TOTAL	3.650E+04							5.480E-03 4.088
PU-238 CURIES % OF TOTAL GRAMS	3.203E+04							1.080E-06 0.001 6.316E-08

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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A1W DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NRF/A1W-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
PU-239	8.800E+06							
CURIES								5.400E-07
% OF TOTAL								
GRAMS								8.696E-06
SR-90	1.059E+04							
CURIES								6.800E-04
% OF TOTAL								0.507
Y-90	2.667E+00							
CURIES								6.800E-04
% OF TOTAL								0.507
ZR-95	6.403E+01							
CURIES								1.960E-03
% OF TOTAL								1.462
TOTALS								
ALPHA CURIES								1.620E-06
% OF TOTAL								0.001
B+G CURIES								1.341E-01
% OF TOTAL								99.998
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								8.759E-06
TOTAL GRAMS OF PU-239+241								8.696E-06
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								3.987E+01
WEIGHT (KILOGRAMS)								6.906E+03

GRAND TOTALS (CURIES)								1.341E-01

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

A1W-RMDS AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02									
CONCEN (UC/ML)		4.737E-06	5.600E-07	6.531E-07	6.000E-08			2.897E-07	2.013E-13	1.00E-08
CURIES		1.800E-02	1.400E-02	3.200E-02	2.400E-03			1.185E-01		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		78.913	94.410	86.886	40.527			77.592		
C-14	2.092E+06									
CONCEN (UC/ML)		1.263E-06	3.040E-08	9.592E-08	8.750E-08		2.958E-08	8.206E-08	5.702E-14	6.00E-09
CURIES		4.800E-03	7.600E-04	4.700E-03	3.500E-03		7.100E-04	3.357E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		21.044	5.125	12.761	59.102		98.747	21.981		
GROSS-BETA										
CONCEN (UC/ML)			1.280E-14	2.245E-14	3.250E-14	2.391E-14	2.708E-13	5.532E-14	3.844E-20	
CURIES			3.200E-10	1.100E-09	1.300E-09	2.200E-10	6.500E-09	2.263E-08		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL						0.006	0.001			
H-3	4.490E+03									
CONCEN (UC/ML)		2.579E-09	2.760E-09	2.653E-09	5.500E-10	4.239E-10	3.750E-10	1.595E-09	1.109E-15	1.00E-07
CURIES		9.800E-06	6.900E-05	1.300E-04	2.200E-05	3.900E-06	9.000E-06	6.527E-04		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		0.043	0.465	0.353	0.371	99.994	1.252	0.427		
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		2.281E-02	1.483E-02	3.683E-02	5.922E-03	3.900E-06	7.190E-04	1.527E-01		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (CU. METERS)		3.800E+03	2.500E+04	4.900E+04	4.000E+04	9.200E+03	2.400E+04	4.091E+05		
GRAND TOTALS (CURIES)		2.281E-02	1.483E-02	3.683E-02	5.922E-03	3.900E-06	7.190E-04	1.527E-01		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

ECF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NRF/ECF-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
C-14	2.092E+06									
CONCEN (UC/ML)		1.042E-09	2.442E-14	8.857E-10	1.343E-15	1.264E-09	3.611E-14	8.207E-10	1.619E-15	6.00E-09
CURIES		7.400E-02	2.100E-06	6.200E-02	9.400E-08	1.100E-01	2.600E-06	7.460E-01		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		95.237	0.062	90.510	0.002	92.669	0.035	92.726		
GROSS-BETA										
CONCEN (UC/ML)		5.634E-15	5.581E-15	7.286E-15	1.014E-14	1.126E-14	1.389E-13	1.950E-14	3.847E-20	
CURIES		4.000E-07	4.800E-07	5.100E-07	7.100E-07	9.800E-07	1.000E-05	1.773E-05		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		0.001	0.014	0.001	0.017	0.001	0.135	0.002		
H-3	4.490E+03									
CONCEN (UC/ML)		5.211E-11	3.953E-11	9.286E-11	5.857E-11	1.000E-10	1.028E-10	6.436E-11	1.269E-16	1.00E-07
CURIES		3.700E-03	3.400E-03	6.500E-03	4.100E-03	8.700E-03	7.400E-03	5.850E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		4.762	99.914	9.489	99.969	7.329	99.826	7.271		
I-131	8.040E+00									
CONCEN (UC/ML)		5.352E-15	3.953E-15	4.429E-15	6.714E-15	9.885E-15	4.028E-15	5.061E-15	9.981E-21	4.00E-10
CURIES		3.800E-07	3.400E-07	3.100E-07	4.700E-07	8.600E-07	2.900E-07	4.600E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL			0.010		0.011	0.001	0.004	0.001		
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		7.770E-02	3.403E-03	6.850E-02	4.101E-03	1.187E-01	7.413E-03	8.045E-01		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (CU. METERS)		7.100E+07	8.600E+07	7.000E+07	7.000E+07	8.700E+07	7.200E+07	9.090E+08		
GRAND TOTALS (CURIES)		7.770E-02	3.403E-03	6.850E-02	4.101E-03	1.187E-01	7.413E-03	8.045E-01		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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 ECF DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E+03							7.000E-06
C-14 CURIES % OF TOTAL	2.092E+06	3.960E-01 0.004	1.946E-03 1.954	9.904E-02 0.003		3.031E-05 0.074	2.708E-06 0.020	1.302E+00 0.003
CO-57 CURIES % OF TOTAL	2.718E+02		2.755E-06 0.003			2.030E-06 0.005		1.637E-03
CO-58 CURIES % OF TOTAL	7.091E+01	3.371E+01 0.311	5.701E-05 0.057	8.995E+00 0.235		2.011E-04 0.489	1.760E-05 0.130	8.424E+01 0.199
CO-60 CURIES % OF TOTAL	1.924E+03	1.943E+03 17.903	3.284E-02 32.982	9.360E+02 24.403		2.622E-02 63.716	9.419E-03 69.616	8.631E+03 20.425
CR-51 CURIES % OF TOTAL	2.770E+01	2.619E+00 0.024		1.750E-01 0.005				1.351E+01 0.032
CS-134 CURIES % OF TOTAL	7.537E+02							4.000E-07
CS-137 CURIES % OF TOTAL	1.101E+04		5.130E-06 0.005			3.780E-06 0.009		5.096E-02
EU-152 CURIES % OF TOTAL	4.891E+03		5.890E-06 0.006			4.340E-06 0.011		3.497E-03
EU-154 CURIES % OF TOTAL	3.103E+03		3.705E-06 0.004			2.730E-06 0.007		2.199E-03
FE-55 CURIES % OF TOTAL	9.782E+02	1.935E+03 17.829	1.126E-02 11.314	6.280E+02 16.373		1.127E-02 27.394	3.065E-03 22.653	7.126E+03 16.864
H-3 CURIES % OF TOTAL	4.490E+03	2.455E-05		6.080E-06				1.505E-04

IDAHO OPERATIONS OFFICE
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 ECF DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
I-129 CURIES % OF TOTAL	5.840E+09	1.611E-11	7.809E-09	1.460E-10		1.111E-10	4.400E-12	1.359E-07
MN-54 CURIES % OF TOTAL	3.122E+02	1.684E-05	3.411E-05 0.034	8.000E-04		1.190E-04 0.289	1.038E-05 0.077	2.138E-01 0.001
NB-95 CURIES % OF TOTAL	3.498E+01	1.278E+02 1.178	5.130E-06 0.005	3.010E+01 0.785		3.780E-06 0.009		4.245E+02 1.004
NI-59 CURIES % OF TOTAL	2.774E+07	6.120E+01 0.564		1.530E+01 0.399				1.938E+02 0.459
NI-63 CURIES % OF TOTAL	3.650E+04	6.070E+03 55.928	5.324E-02 53.478	2.020E+03 52.665		2.838E-03 6.896	8.407E-04 6.214	2.355E+04 55.732
PU-238 CURIES % OF TOTAL GRAMS	3.203E+04							1.389E-07 8.123E-09
RU-106 CURIES % OF TOTAL	3.726E+02	1.500E-05	9.793E-05 0.098	5.847E-06		4.514E-04 1.097	1.746E-04 1.291	5.960E-03
SB-125 CURIES % OF TOTAL	1.007E+03	1.422E+02 1.310		4.620E+01 1.205				5.264E+02 1.246
SN-119M CURIES % OF TOTAL	2.930E+02	4.450E+02 4.100		1.370E+02 3.572				1.478E+03 3.497
SN-121M CURIES % OF TOTAL	2.008E+04							1.200E-02
SR-90 CURIES % OF TOTAL	1.059E+04		5.440E-05 0.055					4.639E-03
TC-99 CURIES % OF TOTAL	7.775E+07	1.332E-04	1.957E-06 0.002	3.334E-05		3.031E-08	2.708E-09	4.562E-04

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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ECF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NRF/ECF-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
Y-90	2.667E+00							
CURIES								8.000E-06
% OF TOTAL								
ZR-95	6.403E+01							
CURIES		9.234E+01	2.755E-06	1.370E+01		2.030E-06		2.271E+02
% OF TOTAL		0.851	0.003	0.357		0.005		0.537
TOTALS								
ALPHA CURIES								1.389E-07
% OF TOTAL								
B+G CURIES		1.085E+04	9.956E-02	3.836E+03		4.115E-02	1.353E-02	4.226E+04
% OF TOTAL		100.000	100.000	100.000		100.000	100.000	99.999
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								8.123E-09
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		1.704E+01	2.634E+01	1.818E+01		5.950E+01	1.988E+01	3.588E+02
WEIGHT (KILOGRAMS)		1.832E+04	3.742E+03	9.386E+03		7.374E+03	1.355E+04	1.252E+05
GRAND TOTALS (CURIES)		1.085E+04	9.956E-02	3.836E+03		4.115E-02	1.353E-02	4.226E+04

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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MISC. SOURCES AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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MSC-A

YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-BETA											
CONCEN (UC/ML)		5.789E-15	2.029E-16		1.378E-15	3.043E-16	4.000E-14	6.285E-15			
CURIES		1.100E-09	7.100E-11		5.100E-10	1.400E-10	1.600E-08	2.407E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		100.000	100.000		100.000	100.000	100.000	100.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		1.100E-09	7.100E-11		5.100E-10	1.400E-10	1.600E-08	2.407E-08			
% OF TOTAL		100.000	100.000		100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		1.900E+05	3.500E+05		3.700E+05	4.600E+05	4.000E+05	3.830E+06			

GRAND TOTALS (CURIES)		1.100E-09	7.100E-11		5.100E-10	1.400E-10	1.600E-08	2.407E-08			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
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RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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S1W AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-BETA										
CONCEN (UC/ML)		8.214E-15	8.182E-15	1.000E-14	1.071E-14	1.200E-14	1.379E-13	2.042E-14	3.125E-21	
CURIES		6.900E-08	9.000E-08	8.400E-08	9.100E-08	1.200E-07	1.200E-06	2.199E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		0.362	0.448	1.014	0.646	0.744	9.836	1.443		
H-3										
CONCEN (UC/ML)	4.490E+03	2.262E-12	1.818E-12	9.762E-13	1.647E-12	1.600E-12	1.264E-12	1.395E-12	2.134E-19	1.00E-07
CURIES		1.900E-05	2.000E-05	8.200E-06	1.400E-05	1.600E-05	1.100E-05	1.502E-04		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		99.638	99.552	98.986	99.354	99.256	90.164	98.557		
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		1.907E-05	2.009E-05	8.284E-06	1.409E-05	1.612E-05	1.220E-05	1.524E-04		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (CU. METERS)		8.400E+06	1.100E+07	8.400E+06	8.500E+06	1.000E+07	8.700E+06	1.077E+08		

GRAND TOTALS (CURIES)		1.907E-05	2.009E-05	8.284E-06	1.409E-05	1.612E-05	1.220E-05	1.524E-04		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

SIM DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NRF/SIM-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E+03					1.568E-03 42.476	1.764E-03 42.476	3.332E-03 40.971
CO-60 CURIES % OF TOTAL	1.924E+03					5.130E-06 0.139	5.760E-06 0.139	2.429E-04 2.987
CS-137 CURIES % OF TOTAL	1.101E+04					1.568E-03 42.476	1.764E-03 42.476	3.332E-03 40.971
FE-55 CURIES % OF TOTAL	9.782E+02					5.440E-04 14.736	6.120E-04 14.737	1.208E-03 14.854
NI-63 CURIES % OF TOTAL	3.650E+04							4.000E-06 0.049
SR-90 CURIES % OF TOTAL	1.059E+04					3.200E-06 0.087	3.600E-06 0.087	6.800E-06 0.084
Y-90 CURIES % OF TOTAL	2.667E+00					3.200E-06 0.087	3.600E-06 0.087	6.800E-06 0.084
TOTALS								
ALPHA CURIES % OF TOTAL								
B+G CURIES % OF TOTAL						3.692E-03 100.000	4.153E-03 100.000	8.132E-03 99.996
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)						3.328E+00	3.947E+00	1.271E+01
WEIGHT (KILOGRAMS)						5.539E+03	6.110E+03	1.500E+04
GRAND TOTALS (CURIES)						3.692E-03	4.153E-03	8.132E-03

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

SSG AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NRF/S1W-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		8.947E-10	3.750E-10	1.526E-09	2.000E-09	8.333E-10	4.200E-10	7.353E-10	1.483E-16	1.00E-08	
CURIES		1.700E-02	9.000E-03	2.900E-02	3.800E-02	2.000E-02	8.400E-03	1.831E-01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		59.275	29.450	54.368	89.919	63.472	42.445	58.199			
C-14	2.092E+06										
CONCEN (UC/ML)		5.789E-10	8.750E-10	1.263E-09	2.000E-10	4.583E-10	5.500E-10	5.092E-10	1.027E-16	6.00E-09	
CURIES		1.100E-02	2.100E-02	2.400E-02	3.800E-03	1.100E-02	1.100E-02	1.268E-01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		38.354	68.717	44.994	8.992	34.910	55.583	40.304			
GROSS-BETA											
CONCEN (UC/ML)		1.421E-15	7.083E-16	8.947E-16	1.842E-15	7.917E-16	1.450E-14	2.948E-15	5.943E-22		
CURIES		2.700E-08	1.700E-08	1.700E-08	3.500E-08	1.900E-08	2.900E-07	7.340E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL							0.001				
H-3	4.490E+03										
CONCEN (UC/ML)		3.579E-11	2.333E-11	1.789E-11	2.421E-11	2.125E-11	1.950E-11	1.892E-11	3.814E-18	1.00E-07	
CURIES		6.800E-04	5.600E-04	3.400E-04	4.600E-04	5.100E-04	3.900E-04	4.711E-03			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		2.371	1.832	0.637	1.086	1.619	1.971	1.497			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		2.868E-02	3.056E-02	5.334E-02	4.226E-02	3.151E-02	1.979E-02	3.146E-01			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		1.900E+07	2.400E+07	1.900E+07	1.900E+07	2.400E+07	2.000E+07	2.490E+08			
GRAND TOTALS (CURIES)		2.868E-02	3.056E-02	5.334E-02	4.226E-02	3.151E-02	1.979E-02	3.146E-01			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

S5G DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CO-58	7.091E+01							
CURIES								1.780E-03
% OF TOTAL								15.532
CO-60	1.924E+03							
CURIES								6.650E-03
% OF TOTAL								58.028
CR-51	2.770E+01							
CURIES								5.000E-04
% OF TOTAL								4.363
FE-55	9.782E+02							
CURIES								1.080E-03
% OF TOTAL								9.424
NB-95	3.498E+01							
CURIES								7.000E-04
% OF TOTAL								6.108
NI-63	3.650E+04							
CURIES								4.300E-04
% OF TOTAL								3.752
ZR-95	6.403E+01							
CURIES								3.200E-04
% OF TOTAL								2.792
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								1.146E-02
% OF TOTAL								100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								
HEIGHT (KILOGRAMS)								

GRAND TOTALS (CURIES)								1.146E-02

NRF-45

**NRF Facility Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

AIR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		9.130E-11	7.917E-11	2.036E-11	3.333E-11	5.556E-11	5.333E-11	5.297E-11	3.681E-17	1.00E-08	
CURIES		2.100E-03	1.900E-03	5.700E-04	1.200E-03	2.000E-03	2.400E-03	1.017E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		96.986	99.135	99.921	69.359	96.008	87.585	90.757			
GROSS-BETA											
CONCEN (UC/ML)		1.174E-14	2.375E-14	1.607E-14	3.889E-15	4.722E-15	4.000E-15	9.271E-15	6.443E-21		
CURIES		2.700E-07	5.700E-07	4.500E-07	1.400E-07	1.700E-07	1.800E-07	1.780E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.012	0.030	0.079	0.008	0.008	0.007	0.016			
H-3	4.490E+03										
CONCEN (UC/ML)		2.826E-12	6.667E-13		1.472E-11	2.306E-12	7.556E-12	5.385E-12	3.742E-18	1.00E-07	
CURIES		6.500E-05	1.600E-05		5.300E-04	8.300E-05	3.400E-04	1.034E-03			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.002	0.835		30.633	3.984	12.408	9.227			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		2.165E-03	1.917E-03	5.704E-04	1.730E-03	2.083E-03	2.740E-03	1.121E-02			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		2.300E+07	2.400E+07	2.800E+07	3.600E+07	3.600E+07	4.500E+07	1.920E+08			
GRAND TOTALS (CURIES)		2.165E-03	1.917E-03	5.704E-04	1.730E-03	2.083E-03	2.740E-03	1.121E-02			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 AIM DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E+03					2.060E-03 1.595		2.060E-03 1.537
CO-58 CURIES % OF TOTAL	7.091E+01				3.200E-04 6.544	1.304E-02 10.095		1.336E-02 9.966
CO-60 CURIES % OF TOTAL	1.924E+03				2.200E-03 44.990	6.521E-02 50.483		6.741E-02 50.283
CR-51 CURIES % OF TOTAL	2.770E+01				1.200E-04 2.454	4.040E-03 3.128		4.160E-03 3.103
CS-137 CURIES % OF TOTAL	1.101E+04					2.060E-03 1.595		2.060E-03 1.537
FE-55 CURIES % OF TOTAL	9.782E+02				1.810E-03 37.014	2.682E-02 20.763		2.863E-02 21.356
FE-59 CURIES % OF TOTAL	4.451E+01				5.000E-05 1.022	6.600E-04 0.511		7.100E-04 0.530
K-40 CURIES % OF TOTAL	4.709E+11					6.000E-05 0.046		6.000E-05 0.045
MN-54 CURIES % OF TOTAL	3.122E+02				2.000E-04 4.090	2.250E-03 1.742		2.450E-03 1.828
NB-95 CURIES % OF TOTAL	3.498E+01				5.000E-05 1.022	4.310E-03 3.337		4.360E-03 3.252
NI-63 CURIES % OF TOTAL	3.650E+04				1.200E-04 2.454	5.360E-03 4.150		5.480E-03 4.088
PU-238 CURIES % OF TOTAL GRAMS	3.203E+04					1.080E-06 0.001 6.316E-08		1.080E-06 0.001 6.316E-08

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

A1W DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
PU-239	8.800E+06							
CURIES						5.400E-07		5.400E-07
% OF TOTAL								
GRAMS						8.696E-06		8.696E-06
SR-90	1.059E+04							
CURIES						6.800E-04		6.800E-04
% OF TOTAL						0.526		0.507
Y-90	2.667E+00							
CURIES						6.800E-04		6.800E-04
% OF TOTAL						0.526		0.507
ZR-95	6.403E+01							
CURIES					2.000E-05	1.940E-03		1.960E-03
% OF TOTAL					0.409	1.502		1.462
TOTALS								
ALPHA CURIES						1.620E-06		1.620E-06
% OF TOTAL						0.001		0.001
B+G CURIES					4.890E-03	1.292E-01		1.341E-01
% OF TOTAL					100.000	99.999		99.998
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU						8.759E-06		8.759E-06
TOTAL GRAMS OF PU-239+241						8.696E-06		8.696E-06
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)					7.248E+00	3.262E+01		3.987E+01
WEIGHT (KILOGRAMS)					4.211E+03	2.695E+03		6.906E+03
GRAND TOTALS (CURIES)					4.890E-03	1.292E-01		1.341E-01

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

AIW-RWDS AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		1.754E-07	1.034E-07	1.052E-07	1.219E-07	2.444E-07	2.113E-06	2.019E-07	1.403E-13	1.00E-08	
CURIES		1.000E-02	6.100E-03	6.100E-03	3.900E-03	1.100E-02	1.500E-02	5.210E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		69.199	64.008	82.510	60.204	74.089	79.323	72.756			
C-14	2.092E+06										
CONCEN (UC/ML)		7.719E-08	5.593E-08	2.069E-08	7.813E-08	8.444E-08	5.493E-07	7.400E-08	5.143E-14	6.00E-09	
CURIES		4.400E-03	3.300E-03	1.200E-03	2.500E-03	3.800E-03	3.900E-03	1.910E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		30.448	34.628	16.232	38.592	25.594	20.624	26.673			
GROSS-BETA											
CONCEN (UC/ML)		6.316E-14	4.746E-14	7.069E-14	1.875E-14	2.667E-14	1.254E-13	5.110E-14	3.551E-20		
CURIES		3.600E-09	2.800E-09	4.100E-09	6.000E-10	1.200E-09	8.900E-10	1.319E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
H-3	4.490E+03										
CONCEN (UC/ML)		8.947E-10	2.203E-09	1.603E-09	2.438E-09	1.044E-09	1.408E-09	1.585E-09	1.101E-15	1.00E-07	
CURIES		5.100E-05	1.300E-04	9.300E-05	7.800E-05	4.700E-05	1.000E-05	4.090E-04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.353	1.364	1.258	1.204	0.317	0.053	0.571			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		1.445E-02	9.530E-03	7.393E-03	6.478E-03	1.485E-02	1.891E-02	7.161E-02			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		5.700E+04	5.900E+04	5.800E+04	3.200E+04	4.500E+04	7.100E+03	2.581E+05			
GRAND TOTALS (CURIES)		1.445E-02	9.530E-03	7.393E-03	6.478E-03	1.485E-02	1.891E-02	7.161E-02			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ECF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
C-14	2.092E+06										
CONCEN (UC/ML)		8.857E-10	6.944E-10	2.000E-09	5.217E-10	1.571E-09	8.276E-10	1.104E-09	2.177E-15	6.00E-09	
CURIES		6.200E-02	5.000E-02	1.700E-01	3.600E-02	1.100E-01	7.200E-02	5.000E-01			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		91.175	93.805	98.436	86.955	97.258	94.487	95.291			
GROSS-BETA											
CONCEN (UC/ML)		1.157E-14	2.361E-14	1.176E-14	4.203E-15	5.571E-15	5.287E-15	1.026E-14	2.025E-20		
CURIES		8.100E-07	1.700E-06	1.000E-06	2.900E-07	3.900E-07	4.600E-07	4.650E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.001	0.003	0.001	0.001		0.001	0.001			
H-3	4.490E+03										
CONCEN (UC/ML)		8.571E-11	4.583E-11	3.176E-11	7.826E-11	4.429E-11	4.828E-11	5.453E-11	1.075E-16	1.00E-07	
CURIES		6.000E-03	3.300E-03	2.700E-03	5.400E-03	3.100E-03	4.200E-03	2.470E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		8.823	6.191	1.563	13.043	2.741	5.512	4.707			
I-131	8.040E+00										
CONCEN (UC/ML)		6.000E-15	4.167E-15	3.765E-15	4.058E-15	5.000E-15	3.218E-15	4.305E-15	8.490E-21	4.00E-10	
CURIES		4.200E-07	3.000E-07	3.200E-07	2.800E-07	3.500E-07	2.800E-07	1.950E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.001	0.001		0.001						
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		6.800E-02	5.330E-02	1.727E-01	4.140E-02	1.131E-01	7.620E-02	5.247E-01			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		7.000E+07	7.200E+07	8.500E+07	6.900E+07	7.000E+07	8.700E+07	4.530E+08			
GRAND TOTALS (CURIES)		6.800E-02	5.330E-02	1.727E-01	4.140E-02	1.131E-01	7.620E-02	5.247E-01			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ECF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E-03	7.000E-06						7.000E-06
C-14 CURIES % OF TOTAL	2.092E+06	3.000E-01 0.003	2.044E-01 0.003	1.980E-01 0.003	9.909E-02 0.003	4.300E-05 0.001	3.637E-03 0.292	8.052E-01 0.003
CO-57 CURIES % OF TOTAL	2.718E+02	3.700E-05	1.200E-05		1.600E-05	2.290E-04 0.004	1.338E-03 0.107	1.632E-03
CO-58 CURIES % OF TOTAL	7.091E+01	6.965E+00 0.065	1.673E+01 0.263	1.661E+01 0.224	5.156E-01 0.016	6.907E-01 12.989	2.637E-02 2.117	4.154E+01 0.151
CO-60 CURIES % OF TOTAL	1.924E+03	2.689E+03 25.234	1.018E+03 15.998	1.619E+03 21.852	4.240E+02 13.540	1.428E+00 26.857	4.812E-01 38.638	5.752E+03 20.865
CR-51 CURIES % OF TOTAL	2.770E+01	1.848E-02	5.045E+00 0.079	5.650E+00 0.076	4.910E-04			1.071E+01 0.039
CS-134 CURIES % OF TOTAL	7.537E+02	4.000E-07						4.000E-07
CS-137 CURIES % OF TOTAL	1.101E+04	7.600E-05	4.793E-02 0.001		2.900E-05	4.308E-04 0.008	2.491E-03 0.200	5.095E-02
EU-152 CURIES % OF TOTAL	4.891E+03	7.800E-05	2.600E-05		3.400E-05	4.890E-04 0.009	2.859E-03 0.230	3.486E-03
EU-154 CURIES % OF TOTAL	3.103E+03	4.900E-05	1.600E-05		2.100E-05	3.080E-04 0.006	1.799E-03 0.144	2.193E-03
FE-55 CURIES % OF TOTAL	9.782E+02	1.654E+03 15.522	1.163E+03 18.271	1.192E+03 16.089	5.510E+02 17.595	2.632E+00 49.487	5.847E-01 46.948	4.563E+03 16.552
H-3 CURIES % OF TOTAL	4.490E+03	8.953E-05	1.241E-05	1.201E-05	5.910E-06			1.199E-04

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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 ECF DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

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NRF-55

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
I-129 CURIES % OF TOTAL	5.840E+09	3.200E-11	1.139E-07		3.400E-10	1.580E-10	1.334E-08	1.278E-07
MN-54 CURIES % OF TOTAL	3.122E+02	8.300E-05	9.812E-02 0.002		3.760E-04	9.848E-02 1.852	1.579E-02 1.268	2.128E-01 0.001
NB-95 CURIES % OF TOTAL	3.498E+01	1.966E+01 0.184	1.197E+02 1.880	1.245E+02 1.681	2.690E+00 0.086	4.260E-04 0.008	2.491E-03 0.200	2.666E+02 0.967
NI-59 CURIES % OF TOTAL	2.774E+07	4.420E+01 0.415	2.720E+01 0.427	3.060E+01 0.413	1.530E+01 0.489			1.173E+02 0.425
NI-63 CURIES % OF TOTAL	3.650E+04	5.820E+03 54.617	3.601E+03 56.565	4.030E+03 54.394	2.010E+03 64.183	4.662E-01 8.766	1.173E-01 9.422	1.546E+04 56.082
PU-238 CURIES % OF TOTAL GRAMS	3.203E+04	6.000E-08 3.509E-09				7.890E-08 4.614E-09		1.389E-07 8.123E-09
RU-106 CURIES % OF TOTAL	3.726E+02	6.100E-05	1.330E-04	2.000E-04	3.150E-04	4.330E-04 0.008	4.073E-03 0.327	5.215E-03
SB-125 CURIES % OF TOTAL	1.007E+03	1.244E+02 1.167	8.520E+01 1.338	8.780E+01 1.185	4.060E+01 1.296			3.380E+02 1.226
SN-119M CURIES % OF TOTAL	2.930E+02	2.886E+02 2.708	2.750E+02 4.320	2.460E+02 3.320	8.620E+01 2.753			8.958E+02 3.249
SN-121M CURIES % OF TOTAL	2.008E+04	1.200E-02						1.200E-02
SR-90 CURIES % OF TOTAL	1.059E+04	1.044E-05	4.574E-03					4.584E-03
TC-99 CURIES % OF TOTAL	7.775E+07	9.621E-05	8.783E-05	6.660E-05	3.339E-05	4.310E-08	3.637E-06	2.877E-04

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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ECF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
Y-90	2.667E+00							
CURIES		8.000E-06						8.000E-06
% OF TOTAL								
ZR-95	6.403E+01							
CURIES		8.945E+00	5.431E+01	5.659E+01	1.220E+00	2.290E-04	1.338E-03	1.211E+02
% OF TOTAL		0.084	0.853	0.764	0.039	0.004	0.107	0.439
TOTALS								
ALPHA CURIES		6.000E-08				7.890E-08		1.389E-07
% OF TOTAL								
B+G CURIES		1.066E+04	6.366E+03	7.409E+03	3.132E+03	5.318E+00	1.245E+00	2.757E+04
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.999
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU		0				4.614E-09		8.123E-09
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		2.072E+01	3.384E+01	3.542E+01	2.560E+01	4.252E+01	5.978E+01	2.179E+02
WEIGHT (KILOGRAMS)		1.267E+04	2.160E+04	1.226E+04	5.687E+03	1.262E+04	7.982E+03	7.282E+04
GRAND TOTALS (CURIES)		1.066E+04	6.366E+03	7.409E+03	3.132E+03	5.318E+00	1.245E+00	2.757E+04

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

MISC. SOURCES AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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MSC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-BETA											
CONCEN (UC/ML)		6.486E-15	3.421E-15	3.810E-15	8.919E-16	1.542E-15	8.929E-16	3.034E-15			
CURIES		2.400E-09	1.300E-09	1.600E-09	3.300E-10	3.700E-10	2.500E-10	6.250E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		2.400E-09	1.300E-09	1.600E-09	3.300E-10	3.700E-10	2.500E-10	6.250E-09			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		3.700E+05	3.800E+05	4.200E+05	3.700E+05	2.400E+05	2.800E+05	2.060E+06			

GRAND TOTALS (CURIES)		2.400E-09	1.300E-09	1.600E-09	3.300E-10	3.700E-10	2.500E-10	6.250E-09			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

SIW AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NRF/SIW-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-BETA										
CONCEN (UC/ML)		9.605E-15	1.724E-14	1.400E-14	5.595E-15	6.471E-15	8.421E-15	1.034E-14	1.583E-21	
CURIES		7.300E-08	1.500E-07	1.400E-07	4.700E-08	5.500E-08	8.000E-08	5.450E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		0.484	100.000	100.000	0.223	100.000	0.307	0.871		
H-3										
CONCEN (UC/ML)	4.490E+03	1.974E-12			2.500E-12		2.737E-12	1.176E-12	1.801E-19	1.00E-07
CURIES		1.500E-05			2.100E-05		2.600E-05	6.200E-05		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		99.516			99.777		99.693	99.129		
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		1.507E-05	1.500E-07	1.400E-07	2.105E-05	5.500E-08	2.608E-05	6.254E-05		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (CU. METERS)		7.600E+06	8.700E+06	1.000E+07	8.400E+06	8.500E+06	9.500E+06	5.270E+07		

GRAND TOTALS (CURIES)		1.507E-05	1.500E-07	1.400E-07	2.105E-05	5.500E-08	2.608E-05	6.254E-05		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

SIM DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NRF/SIM-S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CO-60	1.924E+03							
CURIES					2.320E-04			2.320E-04
% OF TOTAL					80.556			80.556
FE-55	9.782E+02							
CURIES					5.200E-05			5.200E-05
% OF TOTAL					18.056			18.056
NI-63	3.650E+04							
CURIES					4.000E-06			4.000E-06
% OF TOTAL					1.389			1.389
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES					2.880E-04			2.880E-04
% OF TOTAL					100.000			100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)					5.436E+00			5.436E+00
WEIGHT (KILOGRAMS)					3.355E+03			3.355E+03
GRAND TOTALS (CURIES)					2.880E-04			2.880E-04

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

S5G AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NRF/S1W-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		6.316E-10	6.000E-10	4.783E-10	5.263E-10	1.947E-10	5.417E-10	4.976E-10	1.003E-16	1.00E-08	
CURIES		1.200E-02	1.200E-02	1.100E-02	1.000E-02	3.700E-03	1.300E-02	6.170E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		66.667	63.928	52.381	49.628	42.923	59.279	56.881			
C-14	2.092E+06										
CONCEN (UC/ML)		2.947E-10	3.350E-10	4.348E-10	5.053E-10	2.421E-10	3.542E-10	3.629E-10	7.317E-17	6.00E-09	
CURIES		5.600E-03	6.700E-03	1.000E-02	9.600E-03	4.600E-03	8.500E-03	4.500E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.111	35.693	47.619	47.643	53.364	38.760	41.486			
GROSS-BETA											
CONCEN (UC/ML)		1.000E-15	8.000E-15	2.435E-15	1.000E-15	1.895E-15	1.625E-15	2.653E-15	5.349E-22		
CURIES		1.900E-08	1.600E-07	5.600E-08	1.900E-08	3.600E-08	3.900E-08	3.290E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			0.001								
H-3	4.490E+03										
CONCEN (UC/ML)		2.105E-11	3.550E-12		2.895E-11	1.684E-11	1.792E-11	1.428E-11	2.879E-18	1.00E-07	
CURIES		4.000E-04	7.100E-05		5.500E-04	3.200E-04	4.300E-04	1.771E-03			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		2.222	0.378		2.730	3.712	1.961	1.633			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		1.800E-02	1.877E-02	2.100E-02	2.015E-02	8.620E-03	2.193E-02	1.085E-01			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		1.900E+07	2.000E+07	2.300E+07	1.900E+07	1.900E+07	2.400E+07	1.240E+08			
GRAND TOTALS (CURIES)		1.800E-02	1.877E-02	2.100E-02	2.015E-02	8.620E-03	2.193E-02	1.085E-01			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

SSG DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 342
NRF/SSG-S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CO-58	7.091E+01							
CURIES					1.780E-03			1.780E-03
% OF TOTAL					15.532			15.532
CO-60	1.924E+03							
CURIES					6.650E-03			6.650E-03
% OF TOTAL					58.028			58.028
CR-51	2.770E+01							
CURIES					5.000E-04			5.000E-04
% OF TOTAL					4.363			4.363
FE-55	9.782E+02							
CURIES					1.080E-03			1.080E-03
% OF TOTAL					9.424			9.424
NB-95	3.498E+01							
CURIES					7.000E-04			7.000E-04
% OF TOTAL					6.108			6.108
NI-63	3.650E+04							
CURIES					4.300E-04			4.300E-04
% OF TOTAL					3.752			3.752
ZR-95	6.403E+01							
CURIES					3.200E-04			3.200E-04
% OF TOTAL					2.792			2.792
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES					1.146E-02			1.146E-02
% OF TOTAL					100.000			100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								
WEIGHT (KILOGRAMS)								

GRAND TOTALS (CURIES)					1.146E-02			1.146E-02

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Power Burst Facility 1993 Detail Data

Power Burst Facility (PBF) Bar Graph of Annual Data by Month	PBF-3
CY1993 Bar Graph	PBF-5
PBF Detail Data for Months July to December	
Annual Average Concentration and Total Curies for January to December	PBF-7
Report 130—PBF Airborne Waste Summary	PBF-9
PBF Detail Data for Months January to June	
Annual Average Concentration and Total Curies for January to June	PBF-11
Report 130—PBF Airborne Waste Summary	PBF-13

Power Burst Facility (PBF) Bar Graph of Annual Data by Month

Power Burst Facility (PBF) Monthly Details - CY 1993

PBF Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

PBF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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PBF-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA											
CONCEN (UC/ML)		1.315E-15	1.291E-15	5.305E-16	1.038E-15	4.580E-15	3.549E-15	1.619E-15	1.178E-22		
CURIES		5.470E-09	5.550E-09	2.280E-09	4.570E-09	2.200E-08	1.650E-08	8.457E-08			
UNCERT(CURIES)		2.330E-09	2.340E-09	1.930E-09	2.140E-09	3.900E-09	4.070E-09				
UNCERT(UC/ML)											
% OF TOTAL		18.011	23.769	11.585	15.097	26.961	25.038	2.729			
GROSS-BETA											
CONCEN (UC/ML)		5.987E-15	4.141E-15	4.048E-15	5.836E-15	1.241E-14	1.063E-14	5.647E-14	4.110E-21		
CURIES		2.490E-08	1.780E-08	1.740E-08	2.570E-08	5.960E-08	4.940E-08	2.951E-06			
UNCERT(CURIES)		3.630E-09	3.620E-09	3.180E-09	3.520E-09	5.290E-09	5.260E-09				
UNCERT(UC/ML)											
% OF TOTAL		81.989	76.231	88.415	84.903	73.039	74.962	95.202			
SR-90 1.059E+04											
CONCEN (UC/ML)								6.137E-16	4.467E-23	9.00E-12	
CURIES								3.207E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL								1.035			
Y-90 2.667E+00											
CONCEN (UC/ML)								6.137E-16	4.467E-23	1.00E-09	
CURIES								3.207E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL								1.035			
TOTALS											
ALPHA CURIES		5.470E-09	5.550E-09	2.280E-09	4.570E-09	2.200E-08	1.650E-08	8.457E-08			
% OF TOTAL		18.011	23.769	11.585	15.097	26.961	25.038	2.729			
B+G CURIES		2.490E-08	1.780E-08	1.740E-08	2.570E-08	5.960E-08	4.940E-08	3.015E-06			
% OF TOTAL		81.989	76.231	88.415	84.903	73.039	74.962	97.271			
VOLUME (CU. METERS)		4.159E+06	4.298E+06	4.298E+06	4.404E+06	4.803E+06	4.649E+06	5.225E+07			
GRAND TOTALS (CURIES)		3.037E-08	2.335E-08	1.968E-08	3.027E-08	8.160E-08	6.590E-08	3.099E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

PBF-9

PBF Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

PBF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 130
PBF-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA											
CONCEN (UC/ML)		1.031E-15	-3.443E-18	-6.887E-17	-2.891E-16	4.232E-15	1.796E-15	1.100E-15	8.004E-23		
CURIES		4.430E-09	-1.480E-11	-2.960E-10	-1.240E-09	1.760E-08	7.720E-09	2.820E-08			
UNCERT(CURIES)		2.960E-09	1.030E-10	1.020E-09	2.800E-09	2.880E-09	2.440E-09				
UNCERT(UC/ML)											
% OF TOTAL		0.162	-97.369	-12.521	-3.967	28.025	33.536	0.990			
GROSS-BETA											
CONCEN (UC/ML)		6.189E-13	6.887E-17	6.189E-16	7.578E-15	1.087E-14	3.560E-15	1.075E-13	7.823E-21		
CURIES		2.660E-06	2.960E-10	2.660E-09	3.250E-08	4.520E-08	1.530E-08	2.756E-06			
UNCERT(CURIES)		4.430E-07	7.390E-10	1.460E-09	4.610E-09	4.210E-09	3.580E-09				
UNCERT(UC/ML)											
% OF TOTAL		97.478	1947.381	112.521	103.967	71.975	66.464	96.758			
SR-90 1.059E+04											
CONCEN (UC/ML)		7.492E-15	-3.094E-17					1.251E-15	9.102E-23	9.00E-12	
CURIES		3.220E-08	-1.330E-10					3.207E-08			
UNCERT(CURIES)		2.070E-09	2.960E-11								
UNCERT(UC/ML)											
% OF TOTAL		1.180	-875.006					1.126			
Y-90 2.667E+00											
CONCEN (UC/ML)		7.492E-15	-3.094E-17					1.251E-15	9.102E-23	1.00E-09	
CURIES		3.220E-08	-1.330E-10					3.207E-08			
UNCERT(CURIES)		2.070E-09	2.960E-11								
UNCERT(UC/ML)											
% OF TOTAL		1.180	-875.006					1.126			
TOTALS											
ALPHA CURIES		4.430E-09	-1.480E-11	-2.960E-10	-1.240E-09	1.760E-08	7.720E-09	2.820E-08			
% OF TOTAL		0.162	-97.369	-12.521	-3.967	28.025	33.536	0.990			
B+G CURIES		2.724E-06	3.000E-11	2.660E-09	3.250E-08	4.520E-08	1.530E-08	2.820E-06			
% OF TOTAL		99.838	197.369	112.521	103.967	71.975	66.464	99.010			
VOLUME (CU. METERS)		4.298E+06	4.298E+06	4.298E+06	4.289E+06	4.159E+06	4.298E+06	2.564E+07			
GRAND TOTALS (CURIES)		2.729E-06	1.520E-11	2.364E-09	3.126E-08	6.280E-08	2.302E-08	2.848E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

PBF-13

Radioactive Waste Management Complex 1993 Detail Data

Radioactive Waste Management Complex (WMC) Bar Graph of Annual Data by Month	WMC-3
CY1993 Bar Graph	WMC-5
WMC Detail Data for Months July to December	
Annual Average Concentration and Total Curies for January to December	WMC-7
Report 708—DrumVent Stack Airborne Waste Summary	WMC-9
WMC Detail Data for Months January to June	
Annual Average Concentration and Total Curies for January to June	WMC-11
Report 708—DrumVent Stack Airborne Waste Summary	WMC-13

WMC-3

Radioactive Waste Management Complex (WMC) Bar Graph of Annual Data by Month

Waste Management Complex (WMC) Monthly Details - CY 1993

WMC-5

**WMC Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 DRUMVENT STACK AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

 PAGE 1 RPT. 708
 WMC/WMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		1.755E-15	4.926E-12		6.857E-16			1.254E-13	1.279E-20	
CURIES		4.860E-10	1.200E-06		3.390E-10			1.199E-06		
UNCERT(CURIES)		2.120E-10	6.600E-07		4.540E-10					
UNCERT(UC/ML)										
% OF TOTAL		11.183	9.836		10.183			9.743		
GROSS-BETA										
CONCEN (UC/ML)		1.394E-14	4.516E-11		6.048E-15			1.162E-12	1.185E-19	
CURIES		3.860E-09	1.100E-05		2.990E-09			1.111E-05		
UNCERT(CURIES)		3.800E-10	1.400E-06		7.930E-10					
UNCERT(UC/ML)										
% OF TOTAL		88.817	90.164		89.817			90.257		
TOTALS										
ALPHA CURIES		4.860E-10	1.200E-06		3.390E-10			1.199E-06		
% OF TOTAL		11.183	9.836		10.183			9.743		
B+G CURIES		3.860E-09	1.100E-05		2.990E-09			1.111E-05		
% OF TOTAL		88.817	90.164		89.817			90.257		
VOLUME (CU. METERS)		2.770E+05	2.436E+05		4.944E+05			9.565E+06		

GRAND TOTALS (CURIES)		4.346E-09	1.220E-05		3.329E-09			1.231E-05		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

WMC-9

**WMC Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

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U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

DRUMVENT STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 708
WMC/WMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		-4.285E-16	1.466E-15	2.153E-15	1.153E-15	3.475E-16	5.808E-16	-1.683E-16	-1.717E-23	
CURIES		-2.990E-09	2.280E-10	4.710E-10	5.130E-10	1.460E-10	1.930E-10	-1.439E-09		
UNCERT(CURIES)		3.950E-09	1.220E-10	1.800E-10	3.130E-10	2.090E-10	1.080E-10			
UNCERT(UC/ML)										
% OF TOTAL		-3.505	4.752	7.463	19.120	5.130	17.804	-1.397		
GROSS-BETA										
CONCEN (UC/ML)		1.265E-14	2.939E-14	2.669E-14	4.876E-15	6.426E-15	2.681E-15	1.222E-14	1.246E-21	
CURIES		8.830E-08	4.570E-09	5.840E-09	2.170E-09	2.700E-09	8.910E-10	1.045E-07		
UNCERT(CURIES)		7.800E-09	2.870E-10	3.770E-10	5.330E-10	4.500E-10	1.930E-10			
UNCERT(UC/ML)										
% OF TOTAL		103.505	95.248	92.537	80.880	94.870	82.196	101.397		
TOTALS										
ALPHA CURIES		-2.990E-09	2.280E-10	4.710E-10	5.130E-10	1.460E-10	1.930E-10	-1.439E-09		
% OF TOTAL		-3.505	4.752	7.463	19.120	5.130	17.804	-1.397		
B+G CURIES		8.830E-08	4.570E-09	5.840E-09	2.170E-09	2.700E-09	8.910E-10	1.045E-07		
% OF TOTAL		103.505	95.248	92.537	80.880	94.870	82.196	101.397		
VOLUME (CU. METERS)		6.978E+06	1.555E+05	2.188E+05	4.450E+05	4.202E+05	3.323E+05	8.550E+06		
<hr/>										
GRAND TOTALS (CURIES)		8.531E-08	4.798E-09	6.311E-09	2.683E-09	2.846E-09	1.084E-09	1.030E-07		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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Special Manufacturing Capability 1993 Detail Data

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Special Manufacturing Capability (SMC) Bar Graph of Annual Data by Month

Special Manufacturing Capability (SMC) Monthly Details - CY 1993

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SMC-7

**SMC Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

SMC AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	SMC-A YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		2.908E-15	3.245E-15	1.292E-15	3.127E-15	9.815E-16	3.620E-15	2.441E-15	1.746E-21	2.00E-08	
CURIES		6.830E-07	1.045E-06	3.330E-07	7.350E-07	2.720E-07	6.390E-07	7.667E-06			
% OF TOTAL		31.916	31.938	31.989	31.943	31.925	31.966	31.943			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.908E-15	3.245E-15	1.292E-15	3.127E-15	9.815E-16	3.620E-15	2.441E-15	1.746E-21	4.00E-10	
CURIES		6.830E-07	1.045E-06	3.330E-07	7.350E-07	2.720E-07	6.390E-07	7.667E-06			
% OF TOTAL		31.916	31.938	31.989	31.943	31.925	31.966	31.943			
U-234	8.943E+07										
CONCEN (UC/ML)		3.874E-16	4.254E-16	1.630E-16	4.085E-16	1.299E-16	4.645E-16	3.187E-16	2.279E-22	9.00E-14	
CURIES		9.100E-08	1.370E-07	4.200E-08	9.600E-08	3.600E-08	8.200E-08	1.001E-06			
% OF TOTAL		4.252	4.187	4.035	4.172	4.225	4.102	4.170			
U-238	1.631E+12										
CONCEN (UC/ML)		2.908E-15	3.245E-15	1.292E-15	3.127E-15	9.815E-16	3.620E-15	2.441E-15	1.746E-21	1.00E-13	
CURIES		6.830E-07	1.045E-06	3.330E-07	7.350E-07	2.720E-07	6.390E-07	7.667E-06			
% OF TOTAL		31.916	31.938	31.989	31.943	31.925	31.966	31.943			
TOTALS											
ALPHA CURIES		7.740E-07	1.182E-06	3.750E-07	8.310E-07	3.080E-07	7.210E-07	8.668E-06			
% OF TOTAL		36.169	36.125	36.023	36.115	36.150	36.068	36.113			
B+G CURIES		1.366E-06	2.090E-06	6.660E-07	1.470E-06	5.440E-07	1.278E-06	1.533E-05			
% OF TOTAL		63.832	63.875	63.977	63.885	63.850	63.932	63.886			
VOLUME (CU. METERS)		2.349E+08	3.220E+08	2.577E+08	2.350E+08	2.771E+08	1.765E+08	3.141E+09			
GRAND TOTALS (CURIES)		2.140E-06	3.272E-06	1.041E-06	2.301E-06	8.520E-07	1.999E-06	2.400E-05			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

SMC-9

SMC-11

SMC Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

SMC AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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SMC-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		2.979E-15	2.076E-15	3.321E-15	2.102E-15	2.412E-15	1.456E-15	2.418E-15	1.729E-21	2.00E-08	
CURIES		9.600E-07	5.350E-07	9.760E-07	4.940E-07	5.670E-07	4.280E-07	3.960E-06			
% OF TOTAL		31.947	31.960	31.937	31.933	31.944	31.940	31.943			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.979E-15	2.076E-15	3.321E-15	2.102E-15	2.412E-15	1.456E-15	2.418E-15	1.729E-21	4.00E-10	
CURIES		9.600E-07	5.350E-07	9.760E-07	4.940E-07	5.670E-07	4.280E-07	3.960E-06			
% OF TOTAL		31.947	31.960	31.937	31.933	31.944	31.940	31.943			
U-234	8.943E+07										
CONCEN (UC/ML)		3.879E-16	2.677E-16	4.355E-16	2.765E-16	3.149E-16	1.905E-16	3.157E-16	2.258E-22	9.00E-14	
CURIES		1.250E-07	6.900E-08	1.280E-07	6.500E-08	7.400E-08	5.600E-08	5.170E-07			
% OF TOTAL		4.160	4.122	4.189	4.202	4.169	4.179	4.170			
U-238	1.631E+12										
CONCEN (UC/ML)		2.979E-15	2.076E-15	3.321E-15	2.102E-15	2.412E-15	1.456E-15	2.418E-15	1.729E-21	1.00E-13	
CURIES		9.600E-07	5.350E-07	9.760E-07	4.940E-07	5.670E-07	4.280E-07	3.960E-06			
% OF TOTAL		31.947	31.960	31.937	31.933	31.944	31.940	31.943			
TOTALS											
ALPHA CURIES		1.085E-06	6.040E-07	1.104E-06	5.590E-07	6.410E-07	4.840E-07	4.477E-06			
% OF TOTAL		36.107	36.082	36.126	36.135	36.113	36.119	36.113			
B+G CURIES		1.920E-06	1.070E-06	1.952E-06	9.880E-07	1.134E-06	8.560E-07	7.920E-06			
% OF TOTAL		63.894	63.919	63.875	63.866	63.888	63.881	63.886			
VOLUME (CU. METERS)		3.222E+08	2.577E+08	2.939E+08	2.350E+08	2.350E+08	2.939E+08	1.638E+09			
GRAND TOTALS (CURIES)		3.005E-06	1.674E-06	3.056E-06	1.547E-06	1.775E-06	1.340E-06	1.240E-05			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

SMC-13

**SMC Facility Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

EXHAUST FAN P1 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		4.027E-15	4.501E-15	7.958E-16	3.387E-15	4.740E-16	5.496E-15	2.800E-15	1.183E-21	2.00E-08	
CURIES		1.510E-07	2.120E-07	3.000E-08	1.270E-07	2.100E-08	1.550E-07	1.361E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.924	31.928	31.915	31.990	31.818	31.959	31.941			
TH-234	2.410E+01										
CONCEN (UC/ML)		4.027E-15	4.501E-15	7.958E-16	3.387E-15	4.740E-16	5.496E-15	2.800E-15	1.183E-21	4.00E-10	
CURIES		1.510E-07	2.120E-07	3.000E-08	1.270E-07	2.100E-08	1.550E-07	1.361E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.924	31.928	31.915	31.990	31.818	31.959	31.941			
U-234	8.943E+07										
CONCEN (UC/ML)		5.333E-16	5.945E-16	1.061E-16	4.267E-16	6.772E-17	7.092E-16	3.663E-16	1.547E-22	9.00E-14	
CURIES		2.000E-08	2.800E-08	4.000E-09	1.600E-08	3.000E-09	2.000E-08	1.780E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.228	4.217	4.255	4.030	4.545	4.124	4.177			
U-238	1.631E+12										
CONCEN (UC/ML)		4.027E-15	4.501E-15	7.958E-16	3.387E-15	4.740E-16	5.496E-15	2.800E-15	1.183E-21	1.00E-13	
CURIES		1.510E-07	2.120E-07	3.000E-08	1.270E-07	2.100E-08	1.550E-07	1.361E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.924	31.928	31.915	31.990	31.818	31.959	31.941			
TOTALS											
ALPHA CURIES		1.710E-07	2.400E-07	3.400E-08	1.430E-07	2.400E-08	1.750E-07	1.539E-06			
% OF TOTAL		36.152	36.145	36.170	36.020	36.364	36.082	36.118			
B+G CURIES		3.020E-07	4.240E-07	6.000E-08	2.540E-07	4.200E-08	3.100E-07	2.722E-06			
% OF TOTAL		63.848	63.855	63.830	63.980	63.636	63.918	63.882			
VOLUME (CU. METERS)		3.750E+07	4.710E+07	3.770E+07	3.750E+07	4.430E+07	2.820E+07	4.860E+08			
GRAND TOTALS (CURIES)		4.730E-07	6.640E-07	9.400E-08	3.970E-07	6.600E-08	4.850E-07	4.261E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

LASER PUNCH P1 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		2.451E-15	2.866E-15	5.976E-16	3.583E-15	1.383E-16	4.130E-15	2.812E-15	1.188E-21	2.00E-08	
CURIES		1.500E-08	1.800E-08	3.000E-09	2.200E-08	1.000E-09	1.900E-08	2.090E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	32.143	33.333	31.884	33.333	32.203	32.055			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.451E-15	2.866E-15	5.976E-16	3.583E-15	1.383E-16	4.130E-15	2.812E-15	1.188E-21	4.00E-10	
CURIES		1.500E-08	1.800E-08	3.000E-09	2.200E-08	1.000E-09	1.900E-08	2.090E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	32.143	33.333	31.884	33.333	32.203	32.055			
U-234	8.943E+07										
CONCEN (UC/ML)		3.268E-16	3.185E-16		4.886E-16		4.348E-16	3.364E-16	1.421E-22	9.00E-14	
CURIES		2.000E-09	2.000E-09		3.000E-09		2.000E-09	2.500E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.255	3.571		4.348		3.390	3.834			
U-238	1.631E+12										
CONCEN (UC/ML)		2.451E-15	2.866E-15	5.976E-16	3.583E-15	1.383E-16	4.130E-15	2.812E-15	1.188E-21	1.00E-13	
CURIES		1.500E-08	1.800E-08	3.000E-09	2.200E-08	1.000E-09	1.900E-08	2.090E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	32.143	33.333	31.884	33.333	32.203	32.055			
TOTALS											
ALPHA CURIES		1.700E-08	2.000E-08	3.000E-09	2.500E-08	1.000E-09	2.100E-08	2.340E-07			
% OF TOTAL		36.170	35.714	33.333	36.232	33.333	35.593	35.890			
B+G CURIES		3.000E-08	3.600E-08	6.000E-09	4.400E-08	2.000E-09	3.800E-08	4.180E-07			
% OF TOTAL		63.830	64.286	66.667	63.768	66.667	64.407	64.110			
VOLUME (CU. METERS)		6.120E+06	6.280E+06	5.020E+06	6.140E+06	7.230E+06	4.600E+06	7.432E+07			
GRAND TOTALS (CURIES)		4.700E-08	5.600E-08	9.000E-09	6.900E-08	3.000E-09	5.900E-08	6.520E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 LIQUID RECLAIM AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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 SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		2.000E-15	2.597E-15	1.730E-15	2.108E-15	3.670E-16	4.029E-15	1.910E-15	5.134E-22	2.00E-08	
CURIES		3.700E-08	6.000E-08	3.200E-08	3.900E-08	8.000E-09	5.600E-08	4.570E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.897	31.915	32.000	31.967	32.000	32.000	31.958			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.000E-15	2.597E-15	1.730E-15	2.108E-15	3.670E-16	4.029E-15	1.910E-15	5.134E-22	4.00E-10	
CURIES		3.700E-08	6.000E-08	3.200E-08	3.900E-08	8.000E-09	5.600E-08	4.570E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.897	31.915	32.000	31.967	32.000	32.000	31.958			
U-234	8.943E+07										
CONCEN (UC/ML)		2.703E-16	3.463E-16	2.162E-16	2.703E-16	4.587E-17	5.036E-16	2.466E-16	6.628E-23	9.00E-14	
CURIES		5.000E-09	8.000E-09	4.000E-09	5.000E-09	1.000E-09	7.000E-09	5.900E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.310	4.255	4.000	4.098	4.000	4.000	4.126			
U-238	1.631E+12										
CONCEN (UC/ML)		2.000E-15	2.597E-15	1.730E-15	2.108E-15	3.670E-16	4.029E-15	1.910E-15	5.134E-22	1.00E-13	
CURIES		3.700E-08	6.000E-08	3.200E-08	3.900E-08	8.000E-09	5.600E-08	4.570E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.897	31.915	32.000	31.967	32.000	32.000	31.958			
TOTALS											
ALPHA CURIES		4.200E-08	6.800E-08	3.600E-08	4.400E-08	9.000E-09	6.300E-08	5.160E-07			
% OF TOTAL		36.207	36.170	36.000	36.066	36.000	36.000	36.084			
B+G CURIES		7.400E-08	1.200E-07	6.400E-08	7.800E-08	1.600E-08	1.120E-07	9.140E-07			
% OF TOTAL		63.793	63.830	64.000	63.934	64.000	64.000	63.916			
VOLUME (CU. METERS)		1.850E+07	2.310E+07	1.850E+07	1.850E+07	2.180E+07	1.390E+07	2.393E+08			
GRAND TOTALS (CURIES)		1.160E-07	1.880E-07	1.000E-07	1.220E-07	2.500E-08	1.750E-07	1.430E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

MDF PROD FLOOR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		5.506E-15	4.346E-15	2.863E-15	1.057E-14	3.080E-15	4.973E-15	4.217E-15	2.052E-21	2.00E-08	
CURIES		1.360E-07	2.690E-07	1.420E-07	2.600E-07	8.900E-08	9.200E-08	1.816E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.925	31.948	31.982	31.941	31.900	31.944	31.944			
TH-234	2.410E+01										
CONCEN (UC/ML)		5.506E-15	4.346E-15	2.863E-15	1.057E-14	3.080E-15	4.973E-15	4.217E-15	2.052E-21	4.00E-10	
CURIES		1.360E-07	2.690E-07	1.420E-07	2.600E-07	8.900E-08	9.200E-08	1.816E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.925	31.948	31.982	31.941	31.900	31.944	31.944			
U-234	8.943E+07										
CONCEN (UC/ML)		7.287E-16	5.654E-16	3.629E-16	1.382E-15	4.152E-16	6.486E-16	5.504E-16	2.678E-22	9.00E-14	
CURIES		1.800E-08	3.500E-08	1.800E-08	3.400E-08	1.200E-08	1.200E-08	2.370E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.225	4.157	4.054	4.177	4.301	4.167	4.169			
U-238	1.631E+12										
CONCEN (UC/ML)		5.506E-15	4.346E-15	2.863E-15	1.057E-14	3.080E-15	4.973E-15	4.217E-15	2.052E-21	1.00E-13	
CURIES		1.360E-07	2.690E-07	1.420E-07	2.600E-07	8.900E-08	9.200E-08	1.816E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.925	31.948	31.982	31.941	31.900	31.944	31.944			
TOTALS											
ALPHA CURIES		1.540E-07	3.040E-07	1.600E-07	2.940E-07	1.010E-07	1.040E-07	2.053E-06			
% OF TOTAL		36.150	36.105	36.036	36.118	36.201	36.111	36.113			
B+G CURIES		2.720E-07	5.380E-07	2.840E-07	5.200E-07	1.780E-07	1.840E-07	3.632E-06			
% OF TOTAL		63.850	63.895	63.964	63.882	63.799	63.889	63.887			
VOLUME (CU. METERS)		2.470E+07	6.190E+07	4.960E+07	2.460E+07	2.890E+07	1.850E+07	4.306E+08			
GRAND TOTALS (CURIES)		4.260E-07	8.420E-07	4.440E-07	8.140E-07	2.790E-07	2.880E-07	5.685E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

MDF QC LAB AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		2.722E-15	2.995E-15	1.076E-15	3.228E-15	5.376E-17	5.042E-15	2.738E-15	1.332E-21	2.00E-08	
CURIES		4.300E-08	5.900E-08	1.700E-08	5.100E-08	1.000E-09	6.000E-08	5.590E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.852	31.892	32.075	31.875	33.333	31.915	31.925			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.722E-15	2.995E-15	1.076E-15	3.228E-15	5.376E-17	5.042E-15	2.738E-15	1.332E-21	4.00E-10	
CURIES		4.300E-08	5.900E-08	1.700E-08	5.100E-08	1.000E-09	6.000E-08	5.590E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.852	31.892	32.075	31.875	33.333	31.915	31.925			
U-234	8.943E+07										
CONCEN (UC/ML)		3.797E-16	4.061E-16	1.266E-16	4.430E-16		6.723E-16	3.624E-16	1.763E-22	9.00E-14	
CURIES		6.000E-09	8.000E-09	2.000E-09	7.000E-09		8.000E-09	7.400E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.444	4.324	3.774	4.375		4.255	4.226			
U-238	1.631E+12										
CONCEN (UC/ML)		2.722E-15	2.995E-15	1.076E-15	3.228E-15	5.376E-17	5.042E-15	2.738E-15	1.332E-21	1.00E-13	
CURIES		4.300E-08	5.900E-08	1.700E-08	5.100E-08	1.000E-09	6.000E-08	5.590E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.852	31.892	32.075	31.875	33.333	31.915	31.925			
TOTALS											
ALPHA CURIES		4.900E-08	6.700E-08	1.900E-08	5.800E-08	1.000E-09	6.800E-08	6.330E-07			
% OF TOTAL		36.296	36.216	35.849	36.250	33.333	36.170	36.151			
B+G CURIES		8.600E-08	1.180E-07	3.400E-08	1.020E-07	2.000E-09	1.200E-07	1.118E-06			
% OF TOTAL		63.704	63.784	64.151	63.750	66.667	63.830	63.849			
VOLUME (CU. METERS)		1.580E+07	1.970E+07	1.580E+07	1.580E+07	1.860E+07	1.190E+07	2.042E+08			
GRAND TOTALS (CURIES)		1.350E-07	1.850E-07	5.300E-08	1.600E-07	3.000E-09	1.880E-07	1.751E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 N. PROCESS S9 AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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 SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E+03										
CONCEN (UC/ML)		1.931E-15	1.492E-15	1.103E-15	1.034E-15	6.433E-16	3.486E-15	1.505E-15	1.076E-21	2.00E-08	
CURIES		2.800E-08	2.700E-08	1.600E-08	1.500E-08	1.100E-08	3.800E-08	2.820E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	31.765	32.000	31.915	32.353	31.933	31.937			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.931E-15	1.492E-15	1.103E-15	1.034E-15	6.433E-16	3.486E-15	1.505E-15	1.076E-21	4.00E-10	
CURIES		2.800E-08	2.700E-08	1.600E-08	1.500E-08	1.100E-08	3.800E-08	2.820E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	31.765	32.000	31.915	32.353	31.933	31.937			
U-234	8.943E+07										
CONCEN (UC/ML)		2.759E-16	2.210E-16	1.379E-16	1.379E-16	5.848E-17	4.587E-16	1.974E-16	1.412E-22	9.00E-14	
CURIES		4.000E-09	4.000E-09	2.000E-09	2.000E-09	1.000E-09	5.000E-09	3.700E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.545	4.706	4.000	4.255	2.941	4.202	4.190			
U-238	1.631E+12										
CONCEN (UC/ML)		1.931E-15	1.492E-15	1.103E-15	1.034E-15	6.433E-16	3.486E-15	1.505E-15	1.076E-21	1.00E-13	
CURIES		2.800E-08	2.700E-08	1.600E-08	1.500E-08	1.100E-08	3.800E-08	2.820E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	31.765	32.000	31.915	32.353	31.933	31.937			
TOTALS											
ALPHA CURIES		3.200E-08	3.100E-08	1.800E-08	1.700E-08	1.200E-08	4.300E-08	3.190E-07			
% OF TOTAL		36.364	36.471	36.000	36.170	35.294	36.134	36.127			
B+G CURIES		5.600E-08	5.400E-08	3.200E-08	3.000E-08	2.200E-08	7.600E-08	5.640E-07			
% OF TOTAL		63.636	63.529	64.000	63.830	64.706	63.866	63.873			
VOLUME (CU. METERS)		1.450E+07	1.810E+07	1.450E+07	1.450E+07	1.710E+07	1.090E+07	1.874E+08			
GRAND TOTALS (CURIES)		8.800E-08	8.500E-08	5.000E-08	4.700E-08	3.400E-08	1.190E-07	8.830E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

N. PROCESS S10 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		1.014E-15	3.172E-15	8.725E-16	1.946E-15	1.143E-15	3.661E-15	1.893E-15	1.354E-21	2.00E-08	
CURIES		1.500E-08	5.900E-08	1.300E-08	2.900E-08	2.000E-08	4.100E-08	3.640E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	31.892	31.707	31.868	31.746	32.031	31.930			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.014E-15	3.172E-15	8.725E-16	1.946E-15	1.143E-15	3.661E-15	1.893E-15	1.354E-21	4.00E-10	
CURIES		1.500E-08	5.900E-08	1.300E-08	2.900E-08	2.000E-08	4.100E-08	3.640E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	31.892	31.707	31.868	31.746	32.031	31.930			
U-234	8.943E+07										
CONCEN (UC/ML)		1.351E-16	4.301E-16	1.342E-16	2.685E-16	1.714E-16	4.464E-16	2.496E-16	1.785E-22	9.00E-14	
CURIES		2.000E-09	8.000E-09	2.000E-09	4.000E-09	3.000E-09	5.000E-09	4.800E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.255	4.324	4.878	4.396	4.762	3.906	4.211			
U-238	1.631E+12										
CONCEN (UC/ML)		1.014E-15	3.172E-15	8.725E-16	1.946E-15	1.143E-15	3.661E-15	1.893E-15	1.354E-21	1.00E-13	
CURIES		1.500E-08	5.900E-08	1.300E-08	2.900E-08	2.000E-08	4.100E-08	3.640E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	31.892	31.707	31.868	31.746	32.031	31.930			
TOTALS											
ALPHA CURIES		1.700E-08	6.700E-08	1.500E-08	3.300E-08	2.300E-08	4.600E-08	4.120E-07			
% OF TOTAL		36.170	36.216	36.585	36.264	36.508	35.938	36.140			
B+G CURIES		3.000E-08	1.180E-07	2.600E-08	5.800E-08	4.000E-08	8.200E-08	7.280E-07			
% OF TOTAL		63.830	63.784	63.415	63.736	63.492	64.063	63.860			
VOLUME (CU. METERS)		1.480E+07	1.860E+07	1.490E+07	1.490E+07	1.750E+07	1.120E+07	1.923E+08			
GRAND TOTALS (CURIES)		4.700E-08	1.850E-07	4.100E-08	9.100E-08	6.300E-08	1.280E-07	1.140E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

N. PROCESS S11 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		1.216E-15	2.228E-15	7.143E-16	2.365E-15	1.714E-16	2.973E-15	1.385E-15	9.908E-22	2.00E-08	
CURIES		1.800E-08	4.300E-08	1.100E-08	3.500E-08	3.000E-09	3.300E-08	2.690E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.143	31.852	32.353	31.818	33.333	32.039	31.948			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.216E-15	2.228E-15	7.143E-16	2.365E-15	1.714E-16	2.973E-15	1.385E-15	9.908E-22	4.00E-10	
CURIES		1.800E-08	4.300E-08	1.100E-08	3.500E-08	3.000E-09	3.300E-08	2.690E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.143	31.852	32.353	31.818	33.333	32.039	31.948			
U-234	8.943E+07										
CONCEN (UC/ML)		1.351E-16	3.109E-16	6.494E-17	3.378E-16		3.604E-16	1.802E-16	1.289E-22	9.00E-14	
CURIES		2.000E-09	6.000E-09	1.000E-09	5.000E-09		4.000E-09	3.500E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.571	4.444	2.941	4.545		3.883	4.157			
U-238	1.631E+12										
CONCEN (UC/ML)		1.216E-15	2.228E-15	7.143E-16	2.365E-15	1.714E-16	2.973E-15	1.385E-15	9.908E-22	1.00E-13	
CURIES		1.800E-08	4.300E-08	1.100E-08	3.500E-08	3.000E-09	3.300E-08	2.690E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.143	31.852	32.353	31.818	33.333	32.039	31.948			
TOTALS											
ALPHA CURIES		2.000E-08	4.900E-08	1.200E-08	4.000E-08	3.000E-09	3.700E-08	3.040E-07			
% OF TOTAL		35.714	36.296	35.294	36.364	33.333	35.922	36.104			
B+G CURIES		3.600E-08	8.600E-08	2.200E-08	7.000E-08	6.000E-09	6.600E-08	5.380E-07			
% OF TOTAL		64.286	63.704	64.706	63.636	66.667	64.078	63.895			
VOLUME (CU. METERS)		1.480E+07	1.930E+07	1.540E+07	1.480E+07	1.750E+07	1.110E+07	1.942E+08			
GRAND TOTALS (CURIES)		5.600E-08	1.350E-07	3.400E-08	1.100E-07	9.000E-09	1.030E-07	8.420E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 PRF STACK S14 AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		3.138E-15	4.915E-15	1.170E-15	3.386E-15	1.577E-15	2.695E-15	3.348E-15	9.001E-22	2.00E-08	
CURIES		5.900E-08	1.160E-07	2.200E-08	6.400E-08	3.500E-08	3.800E-08	8.160E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.892	31.956	31.884	32.000	31.818	31.933	31.925			
TH-234	2.410E+01										
CONCEN (UC/ML)		3.138E-15	4.915E-15	1.170E-15	3.386E-15	1.577E-15	2.695E-15	3.348E-15	9.001E-22	4.00E-10	
CURIES		5.900E-08	1.160E-07	2.200E-08	6.400E-08	3.500E-08	3.800E-08	8.160E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.892	31.956	31.884	32.000	31.818	31.933	31.925			
U-234	8.943E+07										
CONCEN (UC/ML)		4.255E-16	6.356E-16	1.596E-16	4.233E-16	2.252E-16	3.546E-16	4.432E-16	1.191E-22	9.00E-14	
CURIES		8.000E-09	1.500E-08	3.000E-09	8.000E-09	5.000E-09	5.000E-09	1.080E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.324	4.132	4.348	4.000	4.545	4.202	4.225			
U-238	1.631E+12										
CONCEN (UC/ML)		3.138E-15	4.915E-15	1.170E-15	3.386E-15	1.577E-15	2.695E-15	3.348E-15	9.001E-22	1.00E-13	
CURIES		5.900E-08	1.160E-07	2.200E-08	6.400E-08	3.500E-08	3.800E-08	8.160E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.892	31.956	31.884	32.000	31.818	31.933	31.925			
TOTALS											
ALPHA CURIES		6.700E-08	1.310E-07	2.500E-08	7.200E-08	4.000E-08	4.300E-08	9.240E-07			
% OF TOTAL		36.216	36.088	36.232	36.000	36.364	36.134	36.150			
B+G CURIES		1.180E-07	2.320E-07	4.400E-08	1.280E-07	7.000E-08	7.600E-08	1.632E-06			
% OF TOTAL		63.784	63.912	63.768	64.000	63.636	63.866	63.850			
VOLUME (CU. METERS)		1.880E+07	2.360E+07	1.880E+07	1.890E+07	2.220E+07	1.410E+07	2.437E+08			
GRAND TOTALS (CURIES)		1.850E-07	3.630E-07	6.900E-08	2.000E-07	1.100E-07	1.190E-07	2.556E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

SMC-25

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

SCRAP HANDLING AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 1 RPT. 751
SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E+03										
CONCEN (UC/ML)		2.240E-15	1.410E-15	6.044E-16	5.464E-16	3.241E-16	2.246E-15	1.091E-15	2.933E-22	2.00E-08	
CURIES		4.100E-08	3.200E-08	1.100E-08	1.000E-08	7.000E-09	3.100E-08	2.580E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.031	32.000	32.353	32.258	31.818	31.959	32.010			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.240E-15	1.410E-15	6.044E-16	5.464E-16	3.241E-16	2.246E-15	1.091E-15	2.933E-22	4.00E-10	
CURIES		4.100E-08	3.200E-08	1.100E-08	1.000E-08	7.000E-09	3.100E-08	2.580E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.031	32.000	32.353	32.258	31.818	31.959	32.010			
U-234	8.943E+07										
CONCEN (UC/ML)		2.732E-16	1.762E-16	5.495E-17	5.464E-17	4.630E-17	2.899E-16	1.353E-16	3.637E-23	9.00E-14	
CURIES		5.000E-09	4.000E-09	1.000E-09	1.000E-09	1.000E-09	4.000E-09	3.200E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.906	4.000	2.941	3.226	4.545	4.124	3.970			
U-238	1.631E+12										
CONCEN (UC/ML)		2.240E-15	1.410E-15	6.044E-16	5.464E-16	3.241E-16	2.246E-15	1.091E-15	2.933E-22	1.00E-13	
CURIES		4.100E-08	3.200E-08	1.100E-08	1.000E-08	7.000E-09	3.100E-08	2.580E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.031	32.000	32.353	32.258	31.818	31.959	32.010			
TOTALS											
ALPHA CURIES		4.600E-08	3.600E-08	1.200E-08	1.100E-08	8.000E-09	3.500E-08	2.900E-07			
% OF TOTAL		35.938	36.000	35.294	35.484	36.364	36.083	35.980			
B+G CURIES		8.200E-08	6.400E-08	2.200E-08	2.000E-08	1.400E-08	6.200E-08	5.160E-07			
% OF TOTAL		64.063	64.000	64.706	64.516	63.636	63.918	64.020			
VOLUME (CU. METERS)		1.830E+07	2.270E+07	1.820E+07	1.830E+07	2.160E+07	1.380E+07	2.365E+08			
GRAND TOTALS (CURIES)		1.280E-07	1.000E-07	3.400E-08	3.100E-08	2.200E-08	9.700E-08	8.060E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

S. PROCESS S6 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		1.824E-15	1.946E-15	1.081E-15	9.459E-16	1.771E-15	9.910E-16	1.797E-15	1.286E-21	2.00E-08	
CURIES		2.700E-08	3.600E-08	1.600E-08	1.400E-08	3.100E-08	1.100E-08	3.440E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.765	31.858	32.000	31.818	31.959	32.353	31.911			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.824E-15	1.946E-15	1.081E-15	9.459E-16	1.771E-15	9.910E-16	1.797E-15	1.286E-21	4.00E-10	
CURIES		2.700E-08	3.600E-08	1.600E-08	1.400E-08	3.100E-08	1.100E-08	3.440E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.765	31.858	32.000	31.818	31.959	32.353	31.911			
U-234	8.943E+07										
CONCEN (UC/ML)		2.703E-16	2.703E-16	1.351E-16	1.351E-16	2.286E-16	9.009E-17	2.403E-16	1.719E-22	9.00E-14	
CURIES		4.000E-09	5.000E-09	2.000E-09	2.000E-09	4.000E-09	1.000E-09	4.600E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.706	4.425	4.000	4.545	4.124	2.941	4.267			
U-238	1.631E+12										
CONCEN (UC/ML)		1.824E-15	1.946E-15	1.081E-15	9.459E-16	1.771E-15	9.910E-16	1.797E-15	1.286E-21	1.00E-13	
CURIES		2.700E-08	3.600E-08	1.600E-08	1.400E-08	3.100E-08	1.100E-08	3.440E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.765	31.858	32.000	31.818	31.959	32.353	31.911			
TOTALS											
ALPHA CURIES		3.100E-08	4.100E-08	1.800E-08	1.600E-08	3.500E-08	1.200E-08	3.900E-07			
% OF TOTAL		36.471	36.283	36.000	36.364	36.083	35.294	36.178			
B+G CURIES		5.400E-08	7.200E-08	3.200E-08	2.800E-08	6.200E-08	2.200E-08	6.880E-07			
% OF TOTAL		63.529	63.717	64.000	63.636	63.918	64.706	63.822			
VOLUME (CU. METERS)		1.480E+07	1.850E+07	1.480E+07	1.480E+07	1.750E+07	1.110E+07	1.914E+08			
GRAND TOTALS (CURIES)		8.500E-08	1.130E-07	5.000E-08	4.400E-08	9.700E-08	3.400E-08	1.078E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

S. PROCESS S7 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 1 RPT. 746
SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		3.378E-15	2.973E-15	3.378E-16	1.351E-15	9.143E-16	2.072E-15	1.818E-15	1.301E-21	2.00E-08	
CURIES		5.000E-08	5.500E-08	5.000E-09	2.000E-08	1.600E-08	2.300E-08	3.480E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.847	31.977	31.250	31.746	32.000	31.944	31.927			
TH-234	2.410E+01										
CONCEN (UC/ML)		3.378E-15	2.973E-15	3.378E-16	1.351E-15	9.143E-16	2.072E-15	1.818E-15	1.301E-21	4.00E-10	
CURIES		5.000E-08	5.500E-08	5.000E-09	2.000E-08	1.600E-08	2.300E-08	3.480E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.847	31.977	31.250	31.746	32.000	31.944	31.927			
U-234	8.943E+07										
CONCEN (UC/ML)		4.730E-16	3.784E-16	6.757E-17	2.027E-16	1.143E-16	2.703E-16	2.403E-16	1.719E-22	9.00E-14	
CURIES		7.000E-09	7.000E-09	1.000E-09	3.000E-09	2.000E-09	3.000E-09	4.600E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.459	4.070	6.250	4.762	4.000	4.167	4.220			
U-238	1.631E+12										
CONCEN (UC/ML)		3.378E-15	2.973E-15	3.378E-16	1.351E-15	9.143E-16	2.072E-15	1.818E-15	1.301E-21	1.00E-13	
CURIES		5.000E-08	5.500E-08	5.000E-09	2.000E-08	1.600E-08	2.300E-08	3.480E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.847	31.977	31.250	31.746	32.000	31.944	31.927			
TOTALS											
ALPHA CURIES		5.700E-08	6.200E-08	6.000E-09	2.300E-08	1.800E-08	2.600E-08	3.940E-07			
% OF TOTAL		36.306	36.047	37.500	36.508	36.000	36.111	36.147			
B+G CURIES		1.000E-07	1.100E-07	1.000E-08	4.000E-08	3.200E-08	4.600E-08	6.960E-07			
% OF TOTAL		63.694	63.953	62.500	63.492	64.000	63.889	63.853			
VOLUME (CU. METERS)		1.480E+07	1.850E+07	1.480E+07	1.480E+07	1.750E+07	1.110E+07	1.914E+08			
GRAND TOTALS (CURIES)		1.570E-07	1.720E-07	1.600E-08	6.300E-08	5.000E-08	7.200E-08	1.090E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

SMC-28

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

S. PROCESS S8 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		2.703E-15	1.784E-15	6.081E-16	2.230E-15	1.371E-15	1.892E-15	2.048E-15	1.465E-21	2.00E-08	
CURIES		4.000E-08	3.300E-08	9.000E-09	3.300E-08	2.400E-08	2.100E-08	3.920E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.000	32.039	32.143	32.039	32.000	31.818	31.974			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.703E-15	1.784E-15	6.081E-16	2.230E-15	1.371E-15	1.892E-15	2.048E-15	1.465E-21	4.00E-10	
CURIES		4.000E-08	3.300E-08	9.000E-09	3.300E-08	2.400E-08	2.100E-08	3.920E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.000	32.039	32.143	32.039	32.000	31.818	31.974			
U-234	8.943E+07										
CONCEN (UC/ML)		3.378E-16	2.162E-16	6.757E-17	2.703E-16	1.714E-16	2.703E-16	2.612E-16	1.869E-22	9.00E-14	
CURIES		5.000E-09	4.000E-09	1.000E-09	4.000E-09	3.000E-09	3.000E-09	5.000E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.000	3.883	3.571	3.883	4.000	4.545	4.078			
U-238	1.631E+12										
CONCEN (UC/ML)		2.703E-15	1.784E-15	6.081E-16	2.230E-15	1.371E-15	1.892E-15	2.048E-15	1.465E-21	1.00E-13	
CURIES		4.000E-08	3.300E-08	9.000E-09	3.300E-08	2.400E-08	2.100E-08	3.920E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.000	32.039	32.143	32.039	32.000	31.818	31.974			
TOTALS											
ALPHA CURIES		4.500E-08	3.700E-08	1.000E-08	3.700E-08	2.700E-08	2.400E-08	4.420E-07			
% OF TOTAL		36.000	35.922	35.714	35.922	36.000	36.364	36.052			
B+G CURIES		8.000E-08	6.600E-08	1.800E-08	6.600E-08	4.800E-08	4.200E-08	7.840E-07			
% OF TOTAL		64.000	64.078	64.286	64.078	64.000	63.636	63.948			
VOLUME (CU. METERS)		1.480E+07	1.850E+07	1.480E+07	1.480E+07	1.750E+07	1.110E+07	1.914E+08			
GRAND TOTALS (CURIES)		1.250E-07	1.030E-07	2.800E-08	1.030E-07	7.500E-08	6.600E-08	1.226E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

2B AREA PHASE1 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 1 RPT. 744
SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		3.443E-15	4.235E-15	1.222E-15	2.392E-15	6.337E-16	4.183E-15	2.446E-15	1.033E-21	2.00E-08	
CURIES		2.300E-08	2.600E-08	6.000E-09	1.600E-08	5.000E-09	2.100E-08	1.920E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.944	32.099	31.579	32.000	31.250	31.818	31.894			
TH-234	2.410E+01										
CONCEN (UC/ML)		3.443E-15	4.235E-15	1.222E-15	2.392E-15	6.337E-16	4.183E-15	2.446E-15	1.033E-21	4.00E-10	
CURIES		2.300E-08	2.600E-08	6.000E-09	1.600E-08	5.000E-09	2.100E-08	1.920E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.944	32.099	31.579	32.000	31.250	31.818	31.894			
U-234	8.943E+07										
CONCEN (UC/ML)		4.491E-16	4.886E-16	2.037E-16	2.990E-16	1.267E-16	5.976E-16	3.313E-16	1.399E-22	9.00E-14	
CURIES		3.000E-09	3.000E-09	1.000E-09	2.000E-09	1.000E-09	3.000E-09	2.600E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.167	3.704	5.263	4.000	6.250	4.545	4.319			
U-238	1.631E+12										
CONCEN (UC/ML)		3.443E-15	4.235E-15	1.222E-15	2.392E-15	6.337E-16	4.183E-15	2.446E-15	1.033E-21	1.00E-13	
CURIES		2.300E-08	2.600E-08	6.000E-09	1.600E-08	5.000E-09	2.100E-08	1.920E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.944	32.099	31.579	32.000	31.250	31.818	31.894			
TOTALS											
ALPHA CURIES		2.600E-08	2.900E-08	7.000E-09	1.800E-08	6.000E-09	2.400E-08	2.180E-07			
% OF TOTAL		36.111	35.802	36.842	36.000	37.500	36.364	36.213			
B+G CURIES		4.600E-08	5.200E-08	1.200E-08	3.200E-08	1.000E-08	4.200E-08	3.840E-07			
% OF TOTAL		63.889	64.198	63.158	64.000	62.500	63.636	63.787			
VOLUME (CU. METERS)		6.680E+06	6.140E+06	4.910E+06	6.690E+06	7.890E+06	5.020E+06	7.849E+07			
GRAND TOTALS (CURIES)		7.200E-08	8.100E-08	1.900E-08	5.000E-08	1.600E-08	6.600E-08	6.020E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

SMC-30

**SMC Facility Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

EXHAUST FAN P1 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		3.482E-15	3.024E-15	2.068E-15	1.809E-15	4.533E-15	1.109E-15	2.621E-15	1.107E-21	2.00E-08	
CURIES		1.640E-07	1.140E-07	9.700E-08	6.800E-08	1.700E-07	5.200E-08	6.650E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.969	31.933	31.908	31.925	31.955	31.902	31.940			
TH-234	2.410E+01										
CONCEN (UC/ML)		3.482E-15	3.024E-15	2.068E-15	1.809E-15	4.533E-15	1.109E-15	2.621E-15	1.107E-21	4.00E-10	
CURIES		1.640E-07	1.140E-07	9.700E-08	6.800E-08	1.700E-07	5.200E-08	6.650E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.969	31.933	31.908	31.925	31.955	31.902	31.940			
U-234	8.943E+07										
CONCEN (UC/ML)		4.459E-16	3.979E-16	2.772E-16	2.394E-16	5.867E-16	1.493E-16	3.429E-16	1.448E-22	9.00E-14	
CURIES		2.100E-08	1.500E-08	1.300E-08	9.000E-09	2.200E-08	7.000E-09	8.700E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.094	4.202	4.276	4.225	4.135	4.294	4.179			
U-238	1.631E+12										
CONCEN (UC/ML)		3.482E-15	3.024E-15	2.068E-15	1.809E-15	4.533E-15	1.109E-15	2.621E-15	1.107E-21	1.00E-13	
CURIES		1.640E-07	1.140E-07	9.700E-08	6.800E-08	1.700E-07	5.200E-08	6.650E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.969	31.933	31.908	31.925	31.955	31.902	31.940			
TOTALS											
ALPHA CURIES		1.850E-07	1.290E-07	1.100E-07	7.700E-08	1.920E-07	5.900E-08	7.520E-07			
% OF TOTAL		36.062	36.134	36.184	36.150	36.090	36.196	36.119			
B+G CURIES		3.280E-07	2.280E-07	1.940E-07	1.360E-07	3.400E-07	1.040E-07	1.330E-06			
% OF TOTAL		63.938	63.866	63.816	63.850	63.910	63.804	63.881			
VOLUME (CU. METERS)		4.710E+07	3.770E+07	4.690E+07	3.760E+07	3.750E+07	4.690E+07	2.537E+08			
GRAND TOTALS (CURIES)		5.130E-07	3.570E-07	3.040E-07	2.130E-07	5.320E-07	1.630E-07	2.082E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 LASER PUNCH P1 AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		5.414E-15	1.789E-15	3.259E-15	4.886E-16	4.072E-15	4.563E-15	3.365E-15	1.421E-21	2.00E-08	
CURIES		3.400E-08	9.000E-09	2.500E-08	3.000E-09	2.500E-08	3.500E-08	1.310E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.076	32.143	32.051	33.333	32.051	31.818	32.029			
TH-234	2.410E+01										
CONCEN (UC/ML)		5.414E-15	1.789E-15	3.259E-15	4.886E-16	4.072E-15	4.563E-15	3.365E-15	1.421E-21	4.00E-10	
CURIES		3.400E-08	9.000E-09	2.500E-08	3.000E-09	2.500E-08	3.500E-08	1.310E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.076	32.143	32.051	33.333	32.051	31.818	32.029			
U-234	8.943E+07										
CONCEN (UC/ML)		6.369E-16	1.988E-16	3.911E-16		4.886E-16	6.519E-16	4.110E-16	1.736E-22	9.00E-14	
CURIES		4.000E-09	1.000E-09	3.000E-09		3.000E-09	5.000E-09	1.600E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.774	3.571	3.846		3.846	4.545	3.912			
U-238	1.631E+12										
CONCEN (UC/ML)		5.414E-15	1.789E-15	3.259E-15	4.886E-16	4.072E-15	4.563E-15	3.365E-15	1.421E-21	1.00E-13	
CURIES		3.400E-08	9.000E-09	2.500E-08	3.000E-09	2.500E-08	3.500E-08	1.310E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.076	32.143	32.051	33.333	32.051	31.818	32.029			
TOTALS											
ALPHA CURIES		3.800E-08	1.000E-08	2.800E-08	3.000E-09	2.800E-08	4.000E-08	1.470E-07			
% OF TOTAL		35.849	35.714	35.897	33.333	35.897	36.364	35.941			
B+G CURIES		6.800E-08	1.800E-08	5.000E-08	6.000E-09	5.000E-08	7.000E-08	2.620E-07			
% OF TOTAL		64.151	64.286	64.103	66.667	64.103	63.636	64.059			
VOLUME (CU. METERS)		6.280E+06	5.030E+06	7.670E+06	6.140E+06	6.140E+06	7.670E+06	3.893E+07			
GRAND TOTALS (CURIES)		1.060E-07	2.800E-08	7.800E-08	9.000E-09	7.800E-08	1.100E-07	4.090E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

LIQUID RECLAIM AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E+03										
CONCEN (UC/ML)		2.597E-15	1.784E-15	2.888E-15	1.730E-15	1.568E-15	1.724E-16	1.800E-15	4.839E-22	2.00E-08	
CURIES		6.000E-08	3.300E-08	6.700E-08	3.200E-08	2.900E-08	4.000E-09	2.250E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	32.039	31.905	32.000	31.868	33.333	31.960			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.597E-15	1.784E-15	2.888E-15	1.730E-15	1.568E-15	1.724E-16	1.800E-15	4.839E-22	4.00E-10	
CURIES		6.000E-08	3.300E-08	6.700E-08	3.200E-08	2.900E-08	4.000E-09	2.250E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	32.039	31.905	32.000	31.868	33.333	31.960			
U-234	8.943E+07										
CONCEN (UC/ML)		3.463E-16	2.162E-16	3.879E-16	2.162E-16	2.162E-16		2.320E-16	6.237E-23	9.00E-14	
CURIES		8.000E-09	4.000E-09	9.000E-09	4.000E-09	4.000E-09		2.900E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.255	3.883	4.286	4.000	4.396		4.119			
U-238	1.631E+12										
CONCEN (UC/ML)		2.597E-15	1.784E-15	2.888E-15	1.730E-15	1.568E-15	1.724E-16	1.800E-15	4.839E-22	1.00E-13	
CURIES		6.000E-08	3.300E-08	6.700E-08	3.200E-08	2.900E-08	4.000E-09	2.250E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	32.039	31.905	32.000	31.868	33.333	31.960			
TOTALS											
ALPHA CURIES		6.800E-08	3.700E-08	7.600E-08	3.600E-08	3.300E-08	4.000E-09	2.540E-07			
% OF TOTAL		36.170	35.922	36.190	36.000	36.264	33.333	36.080			
B+G CURIES		1.200E-07	6.600E-08	1.340E-07	6.400E-08	5.800E-08	8.000E-09	4.500E-07			
% OF TOTAL		63.830	64.078	63.810	64.000	63.736	66.667	63.920			
VOLUME (CU. METERS)		2.310E+07	1.850E+07	2.320E+07	1.850E+07	1.850E+07	2.320E+07	1.250E+08			
GRAND TOTALS (CURIES)		1.880E-07	1.030E-07	2.100E-07	1.000E-07	9.100E-08	1.200E-08	7.040E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

MDF PROD FLOOR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		3.565E-15	2.283E-15	5.747E-15	3.522E-15	4.593E-15	3.799E-15	3.723E-15	1.812E-21	2.00E-08	
CURIES		2.210E-07	1.130E-07	1.770E-07	8.700E-08	1.130E-07	1.170E-07	8.280E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.936	31.921	31.949	31.985	31.921	31.967	31.944			
TH-234	2.410E+01										
CONCEN (UC/ML)		3.565E-15	2.283E-15	5.747E-15	3.522E-15	4.593E-15	3.799E-15	3.723E-15	1.812E-21	4.00E-10	
CURIES		2.210E-07	1.130E-07	1.770E-07	8.700E-08	1.130E-07	1.170E-07	8.280E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.936	31.921	31.949	31.985	31.921	31.967	31.944			
U-234	8.943E+07										
CONCEN (UC/ML)		4.677E-16	3.030E-16	7.468E-16	4.453E-16	6.098E-16	4.870E-16	4.856E-16	2.363E-22	9.00E-14	
CURIES		2.900E-08	1.500E-08	2.300E-08	1.100E-08	1.500E-08	1.500E-08	1.080E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.191	4.237	4.152	4.044	4.237	4.098	4.167			
U-238	1.631E+12										
CONCEN (UC/ML)		3.565E-15	2.283E-15	5.747E-15	3.522E-15	4.593E-15	3.799E-15	3.723E-15	1.812E-21	1.00E-13	
CURIES		2.210E-07	1.130E-07	1.770E-07	8.700E-08	1.130E-07	1.170E-07	8.280E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.936	31.921	31.949	31.985	31.921	31.967	31.944			
TOTALS											
ALPHA CURIES		2.500E-07	1.280E-07	2.000E-07	9.800E-08	1.280E-07	1.320E-07	9.360E-07			
% OF TOTAL		36.127	36.158	36.101	36.029	36.158	36.066	36.111			
B+G CURIES		4.420E-07	2.260E-07	3.540E-07	1.740E-07	2.260E-07	2.340E-07	1.656E-06			
% OF TOTAL		63.873	63.842	63.899	63.971	63.842	63.934	63.889			
VOLUME (CU. METERS)		6.200E+07	4.950E+07	3.080E+07	2.470E+07	2.460E+07	3.080E+07	2.224E+08			
GRAND TOTALS (CURIES)		6.920E-07	3.540E-07	5.540E-07	2.720E-07	3.540E-07	3.660E-07	2.592E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

MDF QC LAB AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		2.828E-15	2.785E-15	3.706E-15	3.987E-15	3.228E-15	2.081E-15	3.077E-15	1.497E-21	2.00E-08	
CURIES		5.600E-08	4.400E-08	7.300E-08	6.300E-08	5.100E-08	4.100E-08	3.280E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.000	31.884	31.878	31.980	31.875	32.031	31.938			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.828E-15	2.785E-15	3.706E-15	3.987E-15	3.228E-15	2.081E-15	3.077E-15	1.497E-21	4.00E-10	
CURIES		5.600E-08	4.400E-08	7.300E-08	6.300E-08	5.100E-08	4.100E-08	3.280E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.000	31.884	31.878	31.980	31.875	32.031	31.938			
U-234	8.943E+07										
CONCEN (UC/ML)		3.535E-16	3.797E-16	5.076E-16	5.063E-16	4.430E-16	2.538E-16	4.034E-16	1.963E-22	9.00E-14	
CURIES		7.000E-09	6.000E-09	1.000E-08	8.000E-09	7.000E-09	5.000E-09	4.300E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.000	4.348	4.367	4.061	4.375	3.906	4.187			
U-238	1.631E+12										
CONCEN (UC/ML)		2.828E-15	2.785E-15	3.706E-15	3.987E-15	3.228E-15	2.081E-15	3.077E-15	1.497E-21	1.00E-13	
CURIES		5.600E-08	4.400E-08	7.300E-08	6.300E-08	5.100E-08	4.100E-08	3.280E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.000	31.884	31.878	31.980	31.875	32.031	31.938			
TOTALS											
ALPHA CURIES		6.300E-08	5.000E-08	8.300E-08	7.100E-08	5.800E-08	4.600E-08	3.710E-07			
% OF TOTAL		36.000	36.232	36.245	36.041	36.250	35.938	36.125			
B+G CURIES		1.120E-07	8.800E-08	1.460E-07	1.260E-07	1.020E-07	8.200E-08	6.560E-07			
% OF TOTAL		64.000	63.768	63.755	63.959	63.750	64.063	63.875			
VOLUME (CU. METERS)		1.980E+07	1.580E+07	1.970E+07	1.580E+07	1.580E+07	1.970E+07	1.066E+08			
GRAND TOTALS (CURIES)		1.750E-07	1.380E-07	2.290E-07	1.970E-07	1.600E-07	1.280E-07	1.027E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

N. PROCESS S9 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		2.597E-15	6.207E-16	2.044E-15	2.069E-15	8.966E-16	6.077E-16	1.503E-15	1.075E-21	2.00E-08	
CURIES		4.700E-08	9.000E-09	3.700E-08	3.000E-08	1.300E-08	1.100E-08	1.470E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.973	32.143	31.897	31.915	31.707	32.353	31.957			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.597E-15	6.207E-16	2.044E-15	2.069E-15	8.966E-16	6.077E-16	1.503E-15	1.075E-21	4.00E-10	
CURIES		4.700E-08	9.000E-09	3.700E-08	3.000E-08	1.300E-08	1.100E-08	1.470E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.973	32.143	31.897	31.915	31.707	32.353	31.957			
U-234	8.943E+07										
CONCEN (UC/ML)		3.315E-16	6.897E-17	2.762E-16	2.759E-16	1.379E-16	5.525E-17	1.943E-16	1.390E-22	9.00E-14	
CURIES		6.000E-09	1.000E-09	5.000E-09	4.000E-09	2.000E-09	1.000E-09	1.900E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.082	3.571	4.310	4.255	4.878	2.941	4.130			
U-238	1.631E+12										
CONCEN (UC/ML)		2.597E-15	6.207E-16	2.044E-15	2.069E-15	8.966E-16	6.077E-16	1.503E-15	1.075E-21	1.00E-13	
CURIES		4.700E-08	9.000E-09	3.700E-08	3.000E-08	1.300E-08	1.100E-08	1.470E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.973	32.143	31.897	31.915	31.707	32.353	31.957			
TOTALS											
ALPHA CURIES		5.300E-08	1.000E-08	4.200E-08	3.400E-08	1.500E-08	1.200E-08	1.660E-07			
% OF TOTAL		36.054	35.714	36.207	36.170	36.585	35.294	36.087			
B+G CURIES		9.400E-08	1.800E-08	7.400E-08	6.000E-08	2.600E-08	2.200E-08	2.940E-07			
% OF TOTAL		63.946	64.286	63.793	63.830	63.415	64.706	63.913			
VOLUME (CU. METERS)		1.810E+07	1.450E+07	1.810E+07	1.450E+07	1.450E+07	1.810E+07	9.780E+07			
GRAND TOTALS (CURIES)		1.470E-07	2.800E-08	1.160E-07	9.400E-08	4.100E-08	3.400E-08	4.600E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

N. PROCESS S10 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		3.065E-15	1.007E-15	2.527E-15	9.459E-16	2.013E-15	1.290E-15	1.863E-15	1.332E-21	2.00E-08	
CURIES		5.700E-08	1.500E-08	4.700E-08	1.400E-08	3.000E-08	2.400E-08	1.870E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.022	31.915	31.973	31.818	31.915	32.000	31.966			
TH-234	2.410E+01										
CONCEN (UC/ML)		3.065E-15	1.007E-15	2.527E-15	9.459E-16	2.013E-15	1.290E-15	1.863E-15	1.332E-21	4.00E-10	
CURIES		5.700E-08	1.500E-08	4.700E-08	1.400E-08	3.000E-08	2.400E-08	1.870E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.022	31.915	31.973	31.818	31.915	32.000	31.966			
U-234	8.943E+07										
CONCEN (UC/ML)		3.763E-16	1.342E-16	3.226E-16	1.351E-16	2.685E-16	1.613E-16	2.390E-16	1.710E-22	9.00E-14	
CURIES		7.000E-09	2.000E-09	6.000E-09	2.000E-09	4.000E-09	3.000E-09	2.400E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.933	4.255	4.082	4.545	4.255	4.000	4.103			
U-238	1.631E+12										
CONCEN (UC/ML)		3.065E-15	1.007E-15	2.527E-15	9.459E-16	2.013E-15	1.290E-15	1.863E-15	1.332E-21	1.00E-13	
CURIES		5.700E-08	1.500E-08	4.700E-08	1.400E-08	3.000E-08	2.400E-08	1.870E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.022	31.915	31.973	31.818	31.915	32.000	31.966			
TOTALS											
ALPHA CURIES		6.400E-08	1.700E-08	5.300E-08	1.600E-08	3.400E-08	2.700E-08	2.110E-07			
% OF TOTAL		35.955	36.170	36.054	36.364	36.170	36.000	36.068			
B+G CURIES		1.140E-07	3.000E-08	9.400E-08	2.800E-08	6.000E-08	4.800E-08	3.740E-07			
% OF TOTAL		64.045	63.830	63.946	63.636	63.830	64.000	63.932			
VOLUME (CU. METERS)		1.860E+07	1.490E+07	1.860E+07	1.480E+07	1.490E+07	1.860E+07	1.004E+08			
GRAND TOTALS (CURIES)		1.780E-07	4.700E-08	1.470E-07	4.400E-08	9.400E-08	7.500E-08	5.850E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

SMC-39

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

N. PROCESS S11 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		1.399E-15	2.143E-15	1.784E-15	2.703E-16	1.149E-15	6.486E-16	1.244E-15	8.897E-22	2.00E-08	
CURIES		2.700E-08	3.300E-08	3.300E-08	4.000E-09	1.700E-08	1.200E-08	1.260E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.765	32.039	32.039	30.769	32.075	31.579	31.899			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.399E-15	2.143E-15	1.784E-15	2.703E-16	1.149E-15	6.486E-16	1.244E-15	8.897E-22	4.00E-10	
CURIES		2.700E-08	3.300E-08	3.300E-08	4.000E-09	1.700E-08	1.200E-08	1.260E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.765	32.039	32.039	30.769	32.075	31.579	31.899			
U-234	8.943E+07										
CONCEN (UC/ML)		2.073E-16	2.597E-16	2.162E-16	6.757E-17	1.351E-16	1.081E-16	1.678E-16	1.200E-22	9.00E-14	
CURIES		4.000E-09	4.000E-09	4.000E-09	1.000E-09	2.000E-09	2.000E-09	1.700E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.706	3.883	3.883	7.692	3.774	5.263	4.304			
U-238	1.631E+12										
CONCEN (UC/ML)		1.399E-15	2.143E-15	1.784E-15	2.703E-16	1.149E-15	6.486E-16	1.244E-15	8.897E-22	1.00E-13	
CURIES		2.700E-08	3.300E-08	3.300E-08	4.000E-09	1.700E-08	1.200E-08	1.260E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.765	32.039	32.039	30.769	32.075	31.579	31.899			
TOTALS											
ALPHA CURIES		3.100E-08	3.700E-08	3.700E-08	5.000E-09	1.900E-08	1.400E-08	1.430E-07			
% OF TOTAL		36.471	35.922	35.922	38.462	35.849	36.842	36.202			
B+G CURIES		5.400E-08	6.600E-08	6.600E-08	8.000E-09	3.400E-08	2.400E-08	2.520E-07			
% OF TOTAL		63.529	64.078	64.078	61.538	64.151	63.158	63.797			
VOLUME (CU. METERS)		1.930E+07	1.540E+07	1.850E+07	1.480E+07	1.480E+07	1.850E+07	1.013E+08			
GRAND TOTALS (CURIES)		8.500E-08	1.030E-07	1.030E-07	1.300E-08	5.300E-08	3.800E-08	3.950E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

PRF STACK S14 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		4.068E-15	2.698E-15	4.958E-15	5.691E-15	1.170E-15	3.771E-15	3.786E-15	1.018E-21	2.00E-08	
CURIES		9.600E-08	5.100E-08	1.170E-07	1.070E-07	2.200E-08	8.900E-08	4.820E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.894	31.875	31.967	31.940	31.884	31.900	31.921			
TH-234	2.410E+01										
CONCEN (UC/ML)		4.068E-15	2.698E-15	4.958E-15	5.691E-15	1.170E-15	3.771E-15	3.786E-15	1.018E-21	4.00E-10	
CURIES		9.600E-08	5.100E-08	1.170E-07	1.070E-07	2.200E-08	8.900E-08	4.820E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.894	31.875	31.967	31.940	31.884	31.900	31.921			
U-234	8.943E+07										
CONCEN (UC/ML)		5.508E-16	3.704E-16	6.356E-16	7.447E-16	1.596E-16	5.085E-16	5.027E-16	1.351E-22	9.00E-14	
CURIES		1.300E-08	7.000E-09	1.500E-08	1.400E-08	3.000E-09	1.200E-08	6.400E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.319	4.375	4.098	4.179	4.348	4.301	4.238			
U-238	1.631E+12										
CONCEN (UC/ML)		4.068E-15	2.698E-15	4.958E-15	5.691E-15	1.170E-15	3.771E-15	3.786E-15	1.018E-21	1.00E-13	
CURIES		9.600E-08	5.100E-08	1.170E-07	1.070E-07	2.200E-08	8.900E-08	4.820E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.894	31.875	31.967	31.940	31.884	31.900	31.921			
TOTALS											
ALPHA CURIES		1.090E-07	5.800E-08	1.320E-07	1.210E-07	2.500E-08	1.010E-07	5.460E-07			
% OF TOTAL		36.213	36.250	36.066	36.119	36.232	36.201	36.159			
B+G CURIES		1.920E-07	1.020E-07	2.340E-07	2.140E-07	4.400E-08	1.780E-07	9.640E-07			
% OF TOTAL		63.787	63.750	63.934	63.881	63.768	63.799	63.841			
VOLUME (CU. METERS)		2.360E+07	1.890E+07	2.360E+07	1.880E+07	1.880E+07	2.360E+07	1.273E+08			
GRAND TOTALS (CURIES)		3.010E-07	1.600E-07	3.660E-07	3.350E-07	6.900E-08	2.790E-07	1.510E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

SCRAP HANDLING AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 751
SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		1.410E-15	1.044E-15	1.696E-15	1.530E-15	2.174E-16	1.739E-16	1.019E-15	2.740E-22	2.00E-08	
CURIES		3.200E-08	1.900E-08	3.900E-08	2.800E-08	4.000E-09	4.000E-09	1.260E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.000	32.203	31.967	31.818	33.333	30.769	31.980			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.410E-15	1.044E-15	1.696E-15	1.530E-15	2.174E-16	1.739E-16	1.019E-15	2.740E-22	4.00E-10	
CURIES		3.200E-08	1.900E-08	3.900E-08	2.800E-08	4.000E-09	4.000E-09	1.260E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.000	32.203	31.967	31.818	33.333	30.769	31.980			
U-234	8.943E+07										
CONCEN (UC/ML)		1.762E-16	1.099E-16	2.174E-16	2.186E-16		4.348E-17	1.294E-16	3.480E-23	9.00E-14	
CURIES		4.000E-09	2.000E-09	5.000E-09	4.000E-09		1.000E-09	1.600E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.000	3.390	4.098	4.545		7.692	4.061			
U-238	1.631E+12										
CONCEN (UC/ML)		1.410E-15	1.044E-15	1.696E-15	1.530E-15	2.174E-16	1.739E-16	1.019E-15	2.740E-22	1.00E-13	
CURIES		3.200E-08	1.900E-08	3.900E-08	2.800E-08	4.000E-09	4.000E-09	1.260E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.000	32.203	31.967	31.818	33.333	30.769	31.980			
TOTALS											
ALPHA CURIES		3.600E-08	2.100E-08	4.400E-08	3.200E-08	4.000E-09	5.000E-09	1.420E-07			
% OF TOTAL		36.000	35.593	36.066	36.364	33.333	38.462	36.041			
B+G CURIES		6.400E-08	3.800E-08	7.800E-08	5.600E-08	8.000E-09	8.000E-09	2.520E-07			
% OF TOTAL		64.000	64.407	63.934	63.636	66.667	61.538	63.959			
VOLUME (CU. METERS)		2.270E+07	1.820E+07	2.300E+07	1.830E+07	1.840E+07	2.300E+07	1.236E+08			
GRAND TOTALS (CURIES)		1.000E-07	5.900E-08	1.220E-07	8.800E-08	1.200E-08	1.300E-08	3.940E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

S. PROCESS S6 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		2.324E-15	1.081E-15	4.919E-15	1.351E-15	2.432E-15	1.622E-16	2.092E-15	1.496E-21	2.00E-08	
CURIES		4.300E-08	1.600E-08	9.100E-08	2.000E-08	3.600E-08	3.000E-09	2.090E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.852	32.000	31.930	31.746	31.858	33.333	31.908			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.324E-15	1.081E-15	4.919E-15	1.351E-15	2.432E-15	1.622E-16	2.092E-15	1.496E-21	4.00E-10	
CURIES		4.300E-08	1.600E-08	9.100E-08	2.000E-08	3.600E-08	3.000E-09	2.090E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.852	32.000	31.930	31.746	31.858	33.333	31.908			
U-234	8.943E+07										
CONCEN (UC/ML)		3.243E-16	1.351E-16	6.486E-16	2.027E-16	3.378E-16		2.803E-16	2.005E-22	9.00E-14	
CURIES		6.000E-09	2.000E-09	1.200E-08	3.000E-09	5.000E-09		2.800E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.444	4.000	4.211	4.762	4.425		4.275			
U-238	1.631E+12										
CONCEN (UC/ML)		2.324E-15	1.081E-15	4.919E-15	1.351E-15	2.432E-15	1.622E-16	2.092E-15	1.496E-21	1.00E-13	
CURIES		4.300E-08	1.600E-08	9.100E-08	2.000E-08	3.600E-08	3.000E-09	2.090E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.852	32.000	31.930	31.746	31.858	33.333	31.908			
TOTALS											
ALPHA CURIES		4.900E-08	1.800E-08	1.030E-07	2.300E-08	4.100E-08	3.000E-09	2.370E-07			
% OF TOTAL		36.296	36.000	36.140	36.508	36.283	33.333	36.183			
B+G CURIES		8.600E-08	3.200E-08	1.820E-07	4.000E-08	7.200E-08	6.000E-09	4.180E-07			
% OF TOTAL		63.704	64.000	63.860	63.492	63.717	66.667	63.817			
VOLUME (CU. METERS)		1.850E+07	1.480E+07	1.850E+07	1.480E+07	1.480E+07	1.850E+07	9.990E+07			
GRAND TOTALS (CURIES)		1.350E-07	5.000E-08	2.850E-07	6.300E-08	1.130E-07	9.000E-09	6.550E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

S. PROCESS S7 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 746
SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		3.405E-15	1.081E-15	2.865E-15	1.014E-15	1.824E-15	2.703E-16	1.792E-15	1.282E-21	2.00E-08	
CURIES		6.300E-08	1.600E-08	5.300E-08	1.500E-08	2.700E-08	5.000E-09	1.790E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.980	32.000	31.928	31.915	32.143	31.250	31.964			
TH-234	2.410E+01										
CONCEN (UC/ML)		3.405E-15	1.081E-15	2.865E-15	1.014E-15	1.824E-15	2.703E-16	1.792E-15	1.282E-21	4.00E-10	
CURIES		6.300E-08	1.600E-08	5.300E-08	1.500E-08	2.700E-08	5.000E-09	1.790E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.980	32.000	31.928	31.915	32.143	31.250	31.964			
U-234	8.943E+07										
CONCEN (UC/ML)		4.324E-16	1.351E-16	3.784E-16	1.351E-16	2.027E-16	5.405E-17	2.302E-16	1.647E-22	9.00E-14	
CURIES		8.000E-09	2.000E-09	7.000E-09	2.000E-09	3.000E-09	1.000E-09	2.300E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.061	4.000	4.217	4.255	3.571	6.250	4.107			
U-238	1.631E+12										
CONCEN (UC/ML)		3.405E-15	1.081E-15	2.865E-15	1.014E-15	1.824E-15	2.703E-16	1.792E-15	1.282E-21	1.00E-13	
CURIES		6.300E-08	1.600E-08	5.300E-08	1.500E-08	2.700E-08	5.000E-09	1.790E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.980	32.000	31.928	31.915	32.143	31.250	31.964			
TOTALS											
ALPHA CURIES		7.100E-08	1.800E-08	6.000E-08	1.700E-08	3.000E-08	6.000E-09	2.020E-07			
% OF TOTAL		36.041	36.000	36.145	36.170	35.714	37.500	36.071			
B+G CURIES		1.260E-07	3.200E-08	1.060E-07	3.000E-08	5.400E-08	1.000E-08	3.580E-07			
% OF TOTAL		63.959	64.000	63.855	63.830	64.286	62.500	63.929			
VOLUME (CU. METERS)		1.850E+07	1.480E+07	1.850E+07	1.480E+07	1.480E+07	1.850E+07	9.990E+07			
GRAND TOTALS (CURIES)		1.970E-07	5.000E-08	1.660E-07	4.700E-08	8.400E-08	1.600E-08	5.600E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 S. PROCESS S8 AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		2.486E-15	3.716E-15	4.865E-15	7.432E-16	8.784E-16	9.189E-16	2.322E-15	1.661E-21	2.00E-08	
CURIES		4.600E-08	5.500E-08	9.000E-08	1.100E-08	1.300E-08	1.700E-08	2.320E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.944	31.977	31.915	32.353	31.707	32.075	31.956			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.486E-15	3.716E-15	4.865E-15	7.432E-16	8.784E-16	9.189E-16	2.322E-15	1.661E-21	4.00E-10	
CURIES		4.600E-08	5.500E-08	9.000E-08	1.100E-08	1.300E-08	1.700E-08	2.320E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.944	31.977	31.915	32.353	31.707	32.075	31.956			
U-234	8.943E+07										
CONCEN (UC/ML)		3.243E-16	4.730E-16	6.486E-16	6.757E-17	1.351E-16	1.081E-16	3.003E-16	2.148E-22	9.00E-14	
CURIES		6.000E-09	7.000E-09	1.200E-08	1.000E-09	2.000E-09	2.000E-09	3.000E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.167	4.070	4.255	2.941	4.878	3.774	4.132			
U-238	1.631E+12										
CONCEN (UC/ML)		2.486E-15	3.716E-15	4.865E-15	7.432E-16	8.784E-16	9.189E-16	2.322E-15	1.661E-21	1.00E-13	
CURIES		4.600E-08	5.500E-08	9.000E-08	1.100E-08	1.300E-08	1.700E-08	2.320E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.944	31.977	31.915	32.353	31.707	32.075	31.956			
TOTALS											
ALPHA CURIES		5.200E-08	6.200E-08	1.020E-07	1.200E-08	1.500E-08	1.900E-08	2.620E-07			
% OF TOTAL		36.111	36.047	36.170	35.294	36.585	35.849	36.088			
B+G CURIES		9.200E-08	1.100E-07	1.800E-07	2.200E-08	2.600E-08	3.400E-08	4.640E-07			
% OF TOTAL		63.889	63.953	63.830	64.706	63.415	64.151	63.912			
VOLUME (CU. METERS)		1.850E+07	1.480E+07	1.850E+07	1.480E+07	1.480E+07	1.850E+07	9.990E+07			
GRAND TOTALS (CURIES)		1.440E-07	1.720E-07	2.820E-07	3.400E-08	4.100E-08	5.300E-08	7.260E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

SMC-45

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

2B AREA PHASE1 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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SMC-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234	4.653E-03										
CONCEN (UC/ML)		2.284E-15	1.629E-15	3.589E-15	1.791E-15	2.541E-15	1.673E-15	2.308E-15	9.747E-22	2.00E-08	
CURIES		1.400E-08	8.000E-09	3.000E-08	1.200E-08	1.700E-08	1.400E-08	9.500E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	32.000	31.915	31.579	32.075	31.818	31.879			
TH-234	2.410E+01										
CONCEN (UC/ML)		2.284E-15	1.629E-15	3.589E-15	1.791E-15	2.541E-15	1.673E-15	2.308E-15	9.747E-22	4.00E-10	
CURIES		1.400E-08	8.000E-09	3.000E-08	1.200E-08	1.700E-08	1.400E-08	9.500E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	32.000	31.915	31.579	32.075	31.818	31.879			
U-234	8.943E+07										
CONCEN (UC/ML)		3.263E-16	2.037E-16	4.785E-16	2.985E-16	2.990E-16	2.389E-16	3.158E-16	1.334E-22	9.00E-14	
CURIES		2.000E-09	1.000E-09	4.000E-09	2.000E-09	2.000E-09	2.000E-09	1.300E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.545	4.000	4.255	5.263	3.774	4.545	4.362			
U-238	1.631E+12										
CONCEN (UC/ML)		2.284E-15	1.629E-15	3.589E-15	1.791E-15	2.541E-15	1.673E-15	2.308E-15	9.747E-22	1.00E-13	
CURIES		1.400E-08	8.000E-09	3.000E-08	1.200E-08	1.700E-08	1.400E-08	9.500E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	32.000	31.915	31.579	32.075	31.818	31.879			
TOTALS											
ALPHA CURIES		1.600E-08	9.000E-09	3.400E-08	1.400E-08	1.900E-08	1.600E-08	1.080E-07			
% OF TOTAL		36.364	36.000	36.170	36.842	35.849	36.364	36.242			
B+G CURIES		2.800E-08	1.600E-08	6.000E-08	2.400E-08	3.400E-08	2.800E-08	1.900E-07			
% OF TOTAL		63.636	64.000	63.830	63.158	64.151	63.636	63.758			
VOLUME (CU. METERS)		6.130E+06	4.910E+06	8.360E+06	6.700E+06	6.690E+06	8.370E+06	4.116E+07			
GRAND TOTALS (CURIES)		4.400E-08	2.500E-08	9.400E-08	3.800E-08	5.300E-08	4.400E-08	2.980E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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Special Power Excursion Reactor 1993 Detail Data

Special Power Excursion Reactor Test (PER) Bar Graph of Annual Data by Month	PER-3
CY1993 Bar Graph	PER-5
PER Detail Data for Months July to December	
Annual Average Concentration and Total Curies for January to December	PER-7
Report 170—PER Solid Waste Summary, WERF Incinerator Processed Waste	PER-9
Report 168—PER Solid Waste Summary, Waste Sent to WERF for Compaction	PER-10
Report 169—PER Solid Waste Summary, Waste Sent to WERF for Metallic Processing	PER-11
PER Detail Data for Months January to June	
Annual Average Concentration and Total Curies for January to June	PER-13
Report 170—PER Solid Waste Summary, WERF Incinerator Processed Waste	PER-15
Report 168—PER Solid Waste Summary, Waste Sent to WERF for Compaction	PER-16
Report 169—PER Solid Waste Summary, Waste Sent to WERF for Metallic Processing	PER-17

Special Power Excursion Reactor Test (PER) Bar Graph of Annual Data by Month

Special Power Excursion Reactor Test (PER) Monthly Details - CY 1993

PER-5

PER Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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PER-SPER SOLID WASTE SUMMARY
WERF INCINERATOR PROCESSED WASTE
FROM JAN THROUGH DEC 1993

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CO-60	1.924E+03							
CURIES								5.520E-07
% OF TOTAL								30.296
CS-137	1.101E+04							
CURIES								1.270E-06
% OF TOTAL								69.704
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								1.822E-06
% OF TOTAL								100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								
WEIGHT (KILOGRAMS)								

GRAND TOTALS (CURIES)								1.822E-06

PER-9

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

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PER-S

PER SOLID WASTE SUMMARY
WASTE SENT TO WERF FOR COMPACTION
FROM JAN THROUGH DEC 1993

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CO-60	1.924E+03							
CURIES								2.140E-04
% OF TOTAL								56.704
CS-134	7.537E+02							
CURIES								1.498E-06
% OF TOTAL								0.397
CS-137	1.101E+04							
CURIES								1.498E-04
% OF TOTAL								39.693
EU-154	3.103E+03							
CURIES								3.180E-06
% OF TOTAL								0.843
SB-125	1.007E+03							
CURIES								8.920E-06
% OF TOTAL								2.364
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								3.774E-04
% OF TOTAL								100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								7.250E+00
WEIGHT (KILOGRAMS)								6.810E+02
GRAND TOTALS (CURIES)								3.774E-04

PER-10

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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PER-S

PER SOLID WASTE SUMMARY
WASTE SENT TO MERF FOR METALLIC PROCESSING
FROM JAN THROUGH DEC 1993

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CO-60	1.924E+03							
CURIES								4.451E-05
% OF TOTAL								52.832
CS-134	7.537E+02							
CURIES								3.100E-07
% OF TOTAL								0.368
CS-137	1.101E+04							
CURIES								3.693E-05
% OF TOTAL								43.834
EU-154	3.103E+03							
CURIES								6.590E-07
% OF TOTAL								0.782
SB-125	1.007E+03							
CURIES								1.840E-06
% OF TOTAL								2.184
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								8.425E-05
% OF TOTAL								100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								
WEIGHT (KILOGRAMS)								

GRAND TOTALS (CURIES)								8.425E-05

PER-11

**PER Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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PER-S

PER SOLID WASTE SUMMARY
WERF INCINERATOR PROCESSED WASTE
FROM JAN THROUGH JUN 1993

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CO-60	1.924E+03							
CURIES			5.520E-07					5.520E-07
% OF TOTAL			30.296					30.296
CS-137	1.101E+04							
CURIES			1.270E-06					1.270E-06
% OF TOTAL			69.704					69.704
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES			1.822E-06					1.822E-06
% OF TOTAL			100.000					100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)			1.223E+01					1.223E+01
WEIGHT (KILOGRAMS)			3.680E+02					3.678E+02

GRAND TOTALS (CURIES)			1.822E-06					1.822E-06

PER-15

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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PER-S

NUCLIDES	HALF LIFE (DAYS)	PER SOLID WASTE SUMMARY WASTE SENT TO WERF FOR COMPACTION FROM JAN THROUGH JUN 1993					ANNUAL TOTAL
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	
CO-60	1.924E+03						
CURIES			2.140E-04				2.140E-04
% OF TOTAL			56.704				56.704
CS-134	7.537E+02						
CURIES			1.498E-06				1.498E-06
% OF TOTAL			0.397				0.397
CS-137	1.101E+04						
CURIES			1.498E-04				1.498E-04
% OF TOTAL			39.693				39.693
EU-154	3.103E+03						
CURIES			3.180E-06				3.180E-06
% OF TOTAL			0.843				0.843
SB-125	1.007E+03						
CURIES			8.920E-06				8.920E-06
% OF TOTAL			2.364				2.364
TOTALS							
ALPHA CURIES							
% OF TOTAL							
B+G CURIES			3.774E-04				3.774E-04
% OF TOTAL			100.000				100.000
TOTAL GRAMS OF AM							
TOTAL GRAMS OF PU							
TOTAL GRAMS OF PU-239+241							
TOTAL GRAMS OF U							
TOTAL GRAMS OF TH							
TOTAL GRAMS OF NP							
VOLUME (CU. METERS)			7.250E+00				7.250E+00
WEIGHT (KILOGRAMS)			6.810E+02				6.810E+02

GRAND TOTALS (CURIES)			3.774E-04				3.774E-04

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 U.S. DEPARTMENT OF ENERGY
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 PER-S

NUCLIDES	HALF LIFE (DAYS)	PER SOLID WASTE SUMMARY						ANNUAL TOTAL
		WASTE SENT TO MERF FOR METALLIC PROCESSING FROM JAN THROUGH JUN 1993						
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	
CO-60	1.924E+03							
CURIES			4.451E-05					4.451E-05
% OF TOTAL			52.832					52.832
CS-134	7.537E+02							
CURIES			3.100E-07					3.100E-07
% OF TOTAL			0.368					0.368
CS-137	1.101E+04							
CURIES			3.693E-05					3.693E-05
% OF TOTAL			43.834					43.834
EU-154	3.103E+03							
CURIES			6.590E-07					6.590E-07
% OF TOTAL			0.782					0.782
SB-125	1.007E+03							
CURIES			1.840E-06					1.840E-06
% OF TOTAL			2.184					2.184
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES			8.425E-05					8.425E-05
% OF TOTAL			100.000					100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)			6.343E+00					6.343E+00
WEIGHT (KILOGRAMS)			5.424E+02					5.424E+02
<hr/>								
GRAND TOTALS (CURIES)			8.425E-05					8.425E-05

PER-17

Test Area North 1993 Detail Data

Test Area North (TAN) Bar Graphs of Annual Data by Month	TAN-3
CY1993 Bar Graphs	TAN-5
TAN Detail Data for Months July to December	
Annual Average Concentration and Total Curies for January to December	TAN-7
Report 150—TAN Airborne Waste Summary	TAN-9
Report 151—TAN Liquid Waste Summary	TAN-10
Report 152—TAN Disposed Solid Waste Summary	TAN-11
TAN Detail Data for Months January to June	
Annual Average Concentration and Total Curies for January to June	TAN-13
Report 150—TAN Airborne Waste Summary	TAN-15
Report 151—TAN Liquid Waste Summary	TAN-16
Report 152—TAN Disposed Solid Waste Summary	TAN-17
TAN Facility Detail Data for Months July to December	
Annual Average Concentration and Total Curies for January to December	TAN-19
Report 155—TSF Exhaust Airborne Waste Summary	TAN-21
Report 151—TAN Liquid Waste Summary	TAN-22
Report 192—CTF(LOF) Disposed Solid Waste Summary	TAN-24
TAN Facility Detail Data for Months January to June	
Annual Average Concentration and Total Curies for January to June	TAN-25
Report 155—TSF Exhaust Airborne Waste Summary	TAN-27
Report 151—TAN Liquid Waste Summary	TAN-29

TAN-3

Test Area North (TAN) Bar Graphs of Annual Data by Month

Test Area North (TAN) Monthly Details - CY 1993

TAN-7

TAN Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
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TAN AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	TAN-A YEARLY RELEASE % OF CG
CO-60	1.924E+03										
CONCEN (UC/ML)								1.820E-15	7.109E-22	8.00E-11	
CURIES								3.470E-07			
% OF TOTAL								5.787			
CS-137	1.101E+04										
CONCEN (UC/ML)		7.124E-15						7.076E-15	2.764E-21	4.00E-10	
CURIES		9.810E-08						1.349E-06			
% OF TOTAL		30.585						22.499			
GROSS-ALPHA											
CONCEN (UC/ML)		-5.338E-16	2.560E-17	6.033E-16	8.374E-16	9.826E-16	1.694E-15	3.240E-16	1.266E-22		
CURIES		-7.350E-09	3.930E-10	9.170E-09	9.010E-09	1.810E-08	3.120E-08	6.178E-08			
% OF TOTAL		-2.292	0.147	6.937	7.337	13.299	14.703	1.030			
GROSS-BETA											
CONCEN (UC/ML)		1.670E-14	1.466E-14	7.566E-15	7.398E-15	6.406E-15	9.826E-15	1.914E-14	7.476E-21		
CURIES		2.300E-07	2.250E-07	1.150E-07	7.960E-08	1.180E-07	1.810E-07	3.649E-06			
% OF TOTAL		71.707	83.895	86.996	64.816	86.701	85.297	60.860			
SR-90	1.059E+04										
CONCEN (UC/ML)			1.394E-15	2.638E-16	1.589E-15			1.545E-15	6.034E-22	9.00E-12	
CURIES			2.140E-08	4.010E-09	1.710E-08			2.945E-07			
% OF TOTAL			7.979	3.034	13.924			4.912			
Y-90	2.667E+00										
CONCEN (UC/ML)			1.394E-15	2.638E-16	1.589E-15			1.545E-15	6.034E-22	1.00E-09	
CURIES			2.140E-08	4.010E-09	1.710E-08			2.945E-07			
% OF TOTAL			7.979	3.034	13.924			4.912			
TOTALS											
ALPHA CURIES		-7.350E-09	3.930E-10	9.170E-09	9.010E-09	1.810E-08	3.120E-08	6.178E-08			
% OF TOTAL		-2.292	0.147	6.937	7.337	13.299	14.703	1.030			
B+G CURIES		3.281E-07	2.678E-07	1.230E-07	1.138E-07	1.180E-07	1.810E-07	5.934E-06			
% OF TOTAL		102.292	99.853	93.063	92.663	86.701	85.297	98.969			
VOLUME (CU. METERS)		1.377E+07	1.535E+07	1.520E+07	1.076E+07	1.842E+07	1.842E+07	1.907E+08			
GRAND TOTALS (CURIES)		3.207E-07	2.682E-07	1.322E-07	1.228E-07	1.361E-07	2.122E-07	5.996E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

TAN-9

IDAHO OPERATIONS OFFICE
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TAN LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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TAN-L

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)								-1.508E-11		
CURIES								-3.660E-07		
% OF TOTAL										
GROSS-BETA										
CONCEN (UC/ML)								3.011E-09		
CURIES								7.310E-05		
% OF TOTAL								0.004		
H-3	4.490E+03									
CONCEN (UC/ML)								7.671E-05	2.00E-03	3.84
CURIES								1.862E+00		
% OF TOTAL								99.986		
SR-90	1.059E+04									
CONCEN (UC/ML)								4.004E-09	1.00E-06	0.40
CURIES								9.720E-05		
% OF TOTAL								0.005		
Y-90	2.667E+00									
CONCEN (UC/ML)								4.004E-09	1.00E-05	0.04
CURIES								9.720E-05		
% OF TOTAL								0.005		
TOTALS										
ALPHA CURIES								-3.660E-07		
% OF TOTAL										
B+G CURIES								1.863E+00		
% OF TOTAL								100.000		
VOLUME (LITERS)								2.428E+07		
GRAND TOTALS (CURIES)								1.863E+00		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

TAN-10

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 TAN DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

 PAGE 1 RPT 152
 TAN-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CO-60	1.924E+03							
CURIES		8.682E-01	9.330E-06			3.572E-05		1.116E+00
% OF TOTAL		24.760	0.884			81.880		0.518
CS-137	1.101E+04							
CURIES		2.632E+00	1.046E-03	1.112E-06		7.905E-06		2.633E+00
% OF TOTAL		75.066	99.116	100.000		18.120		1.222
FE-55	9.782E+02							
CURIES								4.860E+01
% OF TOTAL								22.549
H-3	4.490E+03							
CURIES								1.428E+00
% OF TOTAL								0.662
NI-63	3.650E+04							
CURIES								1.617E+02
% OF TOTAL								75.020
PU-238	3.203E+04							
CURIES								2.797E-06
% OF TOTAL								1.635E-07
GRAMS								
PU-239	8.800E+06							
CURIES								1.654E-06
% OF TOTAL								2.664E-05
GRAMS								
SB-125	1.007E+03							
CURIES		6.108E-03						6.108E-03
% OF TOTAL		0.174						0.003
SR-90	1.059E+04							
CURIES								5.409E-02
% OF TOTAL								0.025
U-234	8.943E+07							
CURIES								1.300E-06
% OF TOTAL								2.083E-04
GRAMS								
U-238	1.631E+12							
CURIES								2.332E-03
% OF TOTAL								0.001
GRAMS								6.939E+03

TAN-11

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

TAN DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 2 RPT 152
TAN-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS								
ALPHA CURIES								2.337E-03
% OF TOTAL								0.001
B+G CURIES		3.507E+00	1.055E-03	1.112E-06		4.363E-05		2.155E+02
% OF TOTAL		100.000	100.000	100.000		100.000		99.998
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								0
TOTAL GRAMS OF PU-239+241								0
TOTAL GRAMS OF U								6.939E+03
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		7.248E+00	2.175E+01	3.262E+01		1.263E+01		8.164E+01
WEIGHT (KILOGRAMS)		3.629E+03	5.897E+03	2.329E+04		5.669E+03		4.436E+04
<hr/>								
GRAND TOTALS (CURIES)		3.507E+00	1.055E-03	1.112E-06		4.363E-05		2.155E+02

TAN-12

TAN-13

**TAN Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TAN AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 150
TAN-A
YEARLY
RELEASE
CG**
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
CO-60	1.924E+03										
CONCEN (UC/ML)											
CURIES						1.983E-14	5.051E-15	3.514E-15	1.373E-21	8.00E-11	
% OF TOTAL						2.730E-07	7.400E-08	3.470E-07			
						7.734	12.080	7.223			
CS-137	1.101E+04										
CONCEN (UC/ML)											
CURIES					1.135E-14	5.962E-14	1.590E-14	1.267E-14	4.949E-21	4.00E-10	
% OF TOTAL					1.970E-07	8.210E-07	2.330E-07	1.251E-06			
					36.441	23.259	38.035	26.041			
GROSS-ALPHA											
CONCEN (UC/ML)			4.900E-16	1.171E-15	-9.447E-16	1.322E-16	-9.829E-16	1.276E-17	4.984E-24		
CURIES			8.840E-09	2.140E-08	-1.640E-08	1.820E-09	-1.440E-08	1.260E-09			
% OF TOTAL			16.450	57.527	-3.034	0.052	-2.351	0.026			
GROSS-BETA											
CONCEN (UC/ML)		1.800E-15	2.489E-15	8.648E-16	2.074E-14	1.402E-13	2.184E-14	2.735E-14	1.068E-20		
CURIES		2.999E-08	4.490E-08	1.580E-08	3.600E-07	1.930E-06	3.200E-07	2.701E-06			
% OF TOTAL		100.000	83.550	42.473	66.593	54.677	52.236	56.218			
SR-90	1.059E+04										
CONCEN (UC/ML)											
CURIES						1.830E-14		2.552E-15	9.968E-22	9.00E-12	
% OF TOTAL						2.520E-07		2.520E-07			
						7.139		5.246			
Y-90	2.667E+00										
CONCEN (UC/ML)											
CURIES						1.830E-14		2.552E-15	9.968E-22	1.00E-09	
% OF TOTAL						2.520E-07		2.520E-07			
						7.139		5.246			
TOTALS											
ALPHA CURIES			8.840E-09	2.140E-08	-1.640E-08	1.820E-09	-1.440E-08	1.260E-09			
% OF TOTAL			16.450	57.527	-3.034	0.052	-2.351	0.026			
B+G CURIES		2.999E-08	4.490E-08	1.580E-08	5.570E-07	3.528E-06	6.270E-07	4.803E-06			
% OF TOTAL		100.000	83.550	42.473	103.034	99.948	102.351	99.974			
VOLUME (CU. METERS)		1.666E+07	1.804E+07	1.827E+07	1.736E+07	1.377E+07	1.465E+07	9.875E+07			
GRAND TOTALS (CURIES)		2.999E-08	5.374E-08	3.720E-08	5.406E-07	3.530E-06	6.126E-07	4.804E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

TAN-15

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 TAN LIQUID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

 PAGE 1 RPT. 151
 TAN-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)					-9.685E-11			-1.508E-11		
CURIES					-3.660E-07			-3.660E-07		
% OF TOTAL					-0.073					
GROSS-BETA										
CONCEN (UC/ML)					1.934E-08			3.011E-09		
CURIES					7.310E-05			7.310E-05		
% OF TOTAL					14.489			0.004		
H-3	4.490E+03									
CONCEN (UC/ML)					9.685E-08	2.765E-04	8.803E-05	7.671E-05	2.00E-03	3.84
CURIES					3.660E-04	1.190E+00	6.720E-01	1.862E+00		
% OF TOTAL					72.542	99.998	99.993	99.986		
SR-90	1.059E+04									
CONCEN (UC/ML)				3.329E-09	8.706E-09	2.997E-09	3.000E-09	4.004E-09	1.00E-06	0.40
CURIES				2.850E-05	3.290E-05	1.290E-05	2.290E-05	9.720E-05		
% OF TOTAL				50.000	6.521	0.001	0.003	0.005		
Y-90	2.667E+00									
CONCEN (UC/ML)				3.329E-09	8.706E-09	2.997E-09	3.000E-09	4.004E-09	1.00E-05	0.04
CURIES				2.850E-05	3.290E-05	1.290E-05	2.290E-05	9.720E-05		
% OF TOTAL				50.000	6.521	0.001	0.003	0.005		
TOTALS										
ALPHA CURIES					-3.660E-07			-3.660E-07		
% OF TOTAL					-0.073					
B+G CURIES				5.700E-05	5.049E-04	1.190E+00	6.720E-01	1.863E+00		
% OF TOTAL				100.000	100.073	100.000	100.000	100.000		
VOLUME (LITERS)				8.561E+06	3.779E+06	4.304E+06	7.634E+06	2.428E+07		
<hr/>										
GRAND TOTALS (CURIES)				5.700E-05	5.045E-04	1.190E+00	6.720E-01	1.863E+00		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

TAN-16

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 TAN DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

PAGE 1 RPT 152

TAN-S

TAN-17

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CO-60	1.924E+03							
CURIES						2.473E-01		2.473E-01
% OF TOTAL						0.117		0.117
FE-55	9.782E+02							
CURIES						4.860E+01		4.860E+01
% OF TOTAL						22.922		22.922
H-3	4.490E+03							
CURIES						1.428E+00		1.428E+00
% OF TOTAL						0.673		0.673
NI-63	3.650E+04							
CURIES						1.617E+02		1.617E+02
% OF TOTAL						76.262		76.262
PU-238	3.203E+04							
CURIES						2.797E-06		2.797E-06
% OF TOTAL								
GRAMS						1.635E-07		1.635E-07
PU-239	8.800E+06							
CURIES						1.654E-06		1.654E-06
% OF TOTAL								
GRAMS						2.664E-05		2.664E-05
SR-90	1.059E+04							
CURIES						5.409E-02		5.409E-02
% OF TOTAL						0.026		0.026
U-234	8.943E+07							
CURIES						1.300E-06		1.300E-06
% OF TOTAL								
GRAMS						2.083E-04		2.083E-04
U-238	1.631E+12							
CURIES						2.332E-03		2.332E-03
% OF TOTAL						0.001		0.001
GRAMS						6.939E+03		6.939E+03

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TAN DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993PAGE 2 RPT 152
TAN-S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
TOTALS								
ALPHA CURIES						2.337E-03		2.337E-03
% OF TOTAL						0.001		0.001
B+G CURIES						2.120E+02		2.120E+02
% OF TOTAL						99.999		99.998
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								
WEIGHT (KILOGRAMS)								

GRAND TOTALS (CURIES)						2.120E+02		2.120E+02

TAN-18

**TAN Facility Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 TSF EXHAUST AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

 PAGE 1 RPT. 155
 TAN-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CO-60	1.924E+03										
CONCEN (UC/ML)								1.820E-15	7.109E-22	8.00E-11	
CURIES								3.470E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL								5.787			
CS-137	1.101E+04										
CONCEN (UC/ML)		7.124E-15						7.076E-15	2.764E-21	4.00E-10	
CURIES		9.810E-08						1.349E-06			
UNCERT(CURIES)		2.130E-08									
UNCERT(UC/ML)											
% OF TOTAL		30.585						22.499			
GROSS-ALPHA											
CONCEN (UC/ML)		-5.338E-16	2.560E-17	6.033E-16	8.374E-16	9.826E-16	1.694E-15	3.240E-16	1.266E-22		
CURIES		-7.350E-09	3.930E-10	9.170E-09	9.010E-09	1.810E-08	3.120E-08	6.178E-08			
UNCERT(CURIES)		6.100E-09	6.850E-09	6.300E-09	4.980E-09	1.250E-08	1.320E-08				
UNCERT(UC/ML)											
% OF TOTAL		-2.292	0.147	6.937	7.337	13.299	14.703	1.030			
GROSS-BETA											
CONCEN (UC/ML)		1.670E-14	1.466E-14	7.566E-15	7.398E-15	6.406E-15	9.826E-15	1.914E-14	7.476E-21		
CURIES		2.300E-07	2.250E-07	1.150E-07	7.960E-08	1.180E-07	1.810E-07	3.649E-06			
UNCERT(CURIES)		1.610E-08	1.610E-08	1.430E-08	1.030E-08	1.870E-08	2.010E-08				
UNCERT(UC/ML)											
% OF TOTAL		71.707	83.895	86.996	64.816	86.701	85.297	60.860			
SR-90	1.059E+04										
CONCEN (UC/ML)			1.394E-15	2.638E-16	1.589E-15			1.545E-15	6.034E-22	9.00E-12	
CURIES			2.140E-08	4.010E-09	1.710E-08			2.945E-07			
UNCERT(CURIES)			2.890E-09	3.440E-09	1.710E-09						
UNCERT(UC/ML)											
% OF TOTAL			7.979	3.034	13.924			4.912			
Y-90	2.667E+00										
CONCEN (UC/ML)			1.394E-15	2.638E-16	1.589E-15			1.545E-15	6.034E-22	1.00E-09	
CURIES			2.140E-08	4.010E-09	1.710E-08			2.945E-07			
UNCERT(CURIES)			2.890E-09	3.440E-09	1.710E-09						
UNCERT(UC/ML)											
% OF TOTAL			7.979	3.034	13.924			4.912			

TAN-21

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

TSF EXHAUST AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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TAN-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
TOTALS											
ALPHA CURIES		-7.350E-09	3.930E-10	9.170E-09	9.010E-09	1.810E-08	3.120E-08	6.178E-08			
% OF TOTAL		-2.292	0.147	6.937	7.337	13.299	14.703	1.030			
B+G CURIES		3.281E-07	2.678E-07	1.230E-07	1.138E-07	1.180E-07	1.810E-07	5.934E-06			
% OF TOTAL		102.292	99.853	93.063	92.663	86.701	85.297	98.969			
VOLUME (CU. METERS)		1.377E+07	1.535E+07	1.520E+07	1.076E+07	1.842E+07	1.842E+07	1.907E+08			

GRAND TOTALS (CURIES)		3.207E-07	2.682E-07	1.322E-07	1.228E-07	1.361E-07	2.122E-07	5.996E-06			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

TAN-22

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 TAN LIQUID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

 PAGE 1 RPT. 151
 TAN-L

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)								-1.508E-11		
CURIES								-3.660E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
GROSS-BETA										
CONCEN (UC/ML)								3.011E-09		
CURIES								7.310E-05		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.004		
H-3	4.490E+03									
CONCEN (UC/ML)								7.671E-05	2.00E-03	3.84
CURIES								1.862E+00		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								99.986		
SR-90	1.059E+04									
CONCEN (UC/ML)								4.004E-09	1.00E-06	0.40
CURIES								9.720E-05		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.005		
Y-90	2.667E+00									
CONCEN (UC/ML)								4.004E-09	1.00E-05	0.04
CURIES								9.720E-05		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.005		
TOTALS										
ALPHA CURIES								-3.660E-07		
% OF TOTAL										
B+G CURIES								1.863E+00		
% OF TOTAL								100.000		
VOLUME (LITERS)								2.428E+07		

GRAND TOTALS (CURIES)								1.863E+00		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

TAN-23

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

 CTF(LOF) DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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 CTF(LOF)-S

TAN-24

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CE-144	2.844E+02							
CURIES				2.600E-02				2.600E-02
% OF TOTAL				10.942				10.942
CO-60	1.924E+03							
CURIES				2.600E-02				2.600E-02
% OF TOTAL				10.942				10.942
CS-137	1.101E+04							
CURIES				1.717E-01				1.717E-01
% OF TOTAL				72.262				72.261
EU-155	1.727E+03							
CURIES				1.950E-03				1.950E-03
% OF TOTAL				0.821				0.821
RU-106	3.726E+02							
CURIES				5.980E-03				5.980E-03
% OF TOTAL				2.517				2.517
SB-125	1.007E+03							
CURIES				5.980E-03				5.980E-03
% OF TOTAL				2.517				2.517
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES				2.376E-01				2.376E-01
% OF TOTAL				100.000				99.999
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)				5.436E+01				5.436E+01
HEIGHT (KILOGRAMS)				3.304E+04				3.304E+04
GRAND TOTALS (CURIES)				2.376E-01				2.376E-01

**TAN Facility Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TSF EXHAUST AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 155
TAN-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CO-60	1.924E+03										
CONCEN (UC/ML)						1.983E-14	5.051E-15	3.514E-15	1.373E-21	8.00E-11	
CURIES						2.730E-07	7.400E-08	3.470E-07			
UNCERT(CURIES)						3.110E-08	1.920E-08				
UNCERT(UC/ML)											
% OF TOTAL						7.734	12.080	7.223			
CS-137	1.101E+04										
CONCEN (UC/ML)					1.135E-14	5.962E-14	1.590E-14	1.267E-14	4.949E-21	4.00E-10	
CURIES					1.970E-07	8.210E-07	2.330E-07	1.251E-06			
UNCERT(CURIES)					4.230E-08	6.770E-08	3.190E-08				
UNCERT(UC/ML)											
% OF TOTAL					36.441	23.259	38.035	26.041			
GROSS-ALPHA											
CONCEN (UC/ML)			4.900E-16	1.171E-15	-9.447E-16	1.322E-16	-9.829E-16	1.276E-17	4.984E-24		
CURIES			8.840E-09	2.140E-08	-1.640E-08	1.820E-09	-1.440E-08	1.260E-09			
UNCERT(CURIES)			5.650E-09	1.100E-08	9.160E-09	6.440E-09	6.630E-09				
UNCERT(UC/ML)											
% OF TOTAL			16.450	57.527	-3.034	0.052	-2.351	0.026			
GROSS-BETA											
CONCEN (UC/ML)		1.800E-15	2.489E-15	8.648E-16	2.074E-14	1.402E-13	2.184E-14	2.735E-14	1.068E-20		
CURIES		2.999E-08	4.490E-08	1.580E-08	3.600E-07	1.930E-06	3.200E-07	2.701E-06			
UNCERT(CURIES)			8.160E-09	1.580E-08	2.620E-08	1.020E-07	2.370E-08				
UNCERT(UC/ML)		1.800E-15									
% OF TOTAL		100.000	83.550	42.473	66.593	54.677	52.236	56.218			
SR-90	1.059E+04										
CONCEN (UC/ML)						1.830E-14		2.552E-15	9.968E-22	9.00E-12	
CURIES						2.520E-07		2.520E-07			
UNCERT(CURIES)						1.610E-08					
UNCERT(UC/ML)											
% OF TOTAL						7.139		5.246			
Y-90	2.667E+00										
CONCEN (UC/ML)						1.830E-14		2.552E-15	9.968E-22	1.00E-09	
CURIES						2.520E-07		2.520E-07			
UNCERT(CURIES)						1.610E-08					
UNCERT(UC/ML)											
% OF TOTAL						7.139		5.246			

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TSF EXHAUST AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
TOTALS										
ALPHA CURIES			8.840E-09	2.140E-08	-1.640E-08	1.820E-09	-1.440E-08	1.260E-09		
% OF TOTAL			16.450	57.527	-3.034	0.052	-2.351	0.026		
B+G CURIES		2.999E-08	4.490E-08	1.580E-08	5.570E-07	3.528E-06	6.270E-07	4.803E-06		
% OF TOTAL		100.000	83.550	42.473	103.034	99.948	102.351	99.974		
VOLUME (CU. METERS)		1.666E+07	1.804E+07	1.827E+07	1.736E+07	1.377E+07	1.465E+07	9.875E+07		

GRAND TOTALS (CURIES)		2.999E-08	5.374E-08	3.720E-08	5.406E-07	3.530E-06	6.126E-07	4.804E-06		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 TAN LIQUID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

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 TAN-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)					-9.685E-11			-1.508E-11		
CURIES					-3.660E-07			-3.660E-07		
UNCERT(CURIES)					2.560E-06					
UNCERT(UC/ML)										
% OF TOTAL					-0.073					
GROSS-BETA										
CONCEN (UC/ML)					1.934E-08			3.011E-09		
CURIES					7.310E-05			7.310E-05		
UNCERT(CURIES)					3.660E-05					
UNCERT(UC/ML)										
% OF TOTAL					14.489			0.004		
H-3	4.490E+03									
CONCEN (UC/ML)					9.685E-08	2.765E-04	8.803E-05	7.671E-05	2.00E-03	3.84
CURIES					3.660E-04	1.190E+00	6.720E-01	1.862E+00		
UNCERT(CURIES)					3.660E-04	3.440E-02	2.290E-02			
UNCERT(UC/ML)										
% OF TOTAL					72.542	99.998	99.993	99.986		
SR-90	1.059E+04									
CONCEN (UC/ML)				3.329E-09	8.706E-09	2.997E-09	3.000E-09	4.004E-09	1.00E-06	0.40
CURIES				2.850E-05	3.290E-05	1.290E-05	2.290E-05	9.720E-05		
UNCERT(CURIES)				7.130E-06	3.660E-06	4.300E-06	7.630E-06			
UNCERT(UC/ML)										
% OF TOTAL				50.000	6.521	0.001	0.003	0.005		
Y-90	2.667E+00									
CONCEN (UC/ML)				3.329E-09	8.706E-09	2.997E-09	3.000E-09	4.004E-09	1.00E-05	0.04
CURIES				2.850E-05	3.290E-05	1.290E-05	2.290E-05	9.720E-05		
UNCERT(CURIES)				7.130E-06	3.660E-06	4.300E-06	7.630E-06			
UNCERT(UC/ML)										
% OF TOTAL				50.000	6.521	0.001	0.003	0.005		
TOTALS										
ALPHA CURIES					-3.660E-07			-3.660E-07		
% OF TOTAL					-0.073					
B+G CURIES				5.700E-05	5.049E-04	1.190E+00	6.720E-01	1.863E+00		
% OF TOTAL				100.000	100.073	100.000	100.000	100.000		
VOLUME (LITERS)				8.561E+06	3.779E+06	4.304E+06	7.634E+06	2.428E+07		
GRAND TOTALS (CURIES)				5.700E-05	5.045E-04	1.190E+00	6.720E-01	1.863E+00		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February8, 1990, Figures III-1 and III-3

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Test Reactor Area 1993 Detail Data

Test Reactor Area (TRA) Bar Graphs of Annual Data by Month	TRA-3
CY1993 Bar Graphs	TRA-5
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Test Reactor Area (TRA) Bar Graphs of Annual Data by Month

Text Reactor Area (TRA) Monthly Details - CY 1993

TRA-5

TRA CY 1993 AIRBORNE EFFLUENT

TRA CY 1993 LIQUID EFFLUENT

TRA CY 1993 SHIPPED LOW LEVEL WASTE

TRA Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

TRA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 1 RPT. 104
TRA-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	TRA-A YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)						2.671E-06	1.823E-07	1.142E-06	3.147E-13	1.00E-08	
CURIES						2.762E+02	1.823E+01	1.319E+03			
% OF TOTAL						90.740	89.481	88.203			
BA-139	5.771E-02										
CONCEN (UC/ML)					4.264E-12	5.110E-11	2.906E-11	4.639E-11	1.279E-17	7.00E-08	
CURIES					4.250E-04	5.283E-03	2.906E-03	5.359E-02			
% OF TOTAL					3.757	0.002	0.014	0.004			
BA-140	1.276E+01										
CONCEN (UC/ML)								5.405E-15	1.490E-21	3.00E-09	
CURIES								6.243E-06			
% OF TOTAL											
CO-58	7.091E+01										
CONCEN (UC/ML)								6.909E-16	1.904E-22	2.00E-09	
CURIES								7.981E-07			
% OF TOTAL											
CO-60	1.924E+03										
CONCEN (UC/ML)		3.710E-13	3.448E-13	2.635E-13	4.184E-13	7.100E-14	1.258E-13	2.113E-13	5.825E-20	8.00E-11	
CURIES		3.539E-05	3.462E-05	1.518E-05	4.170E-05	7.341E-06	1.258E-05	2.441E-04			
% OF TOTAL		71.913	49.472	85.614	0.369						
CR-51	2.770E+01										
CONCEN (UC/ML)		5.732E-14				1.855E-12	2.555E-12	3.328E-12	9.172E-19	5.00E-08	
CURIES		5.468E-06				1.918E-04	2.555E-04	3.844E-03			
% OF TOTAL		11.111					0.001				
CS-137	1.101E+04										
CONCEN (UC/ML)		2.762E-14			9.009E-15			5.290E-15	1.458E-21	4.00E-10	
CURIES		2.635E-06			8.980E-07			6.110E-06			
% OF TOTAL		5.354			0.008						
CS-138	2.236E-02										
CONCEN (UC/ML)						7.725E-10	4.034E-10	5.985E-10	1.650E-16	8.00E-09	
CURIES						7.987E-02	4.034E-02	6.913E-01			
% OF TOTAL						0.026	0.198	0.046			
GROSS-ALPHA											
CONCEN (UC/ML)		-1.102E-16	-4.413E-17	3.400E-16	1.353E-16	-6.431E-17	2.907E-15	7.035E-16	1.939E-22		
CURIES		-1.051E-08	-4.430E-09	1.959E-08	1.349E-08	-6.649E-09	2.907E-07	8.126E-07			
% OF TOTAL		-0.021	-0.006	0.110							

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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TRA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 2 RPT. 104
TRA-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
GROSS-BETA											
CONCEN (UC/ML)		3.591E-15	3.510E-13	4.231E-14	2.986E-13	2.922E-14	4.916E-13	3.088E-13	8.512E-20		
CURIES		3.426E-07	3.524E-05	2.438E-06	2.976E-05	3.021E-06	4.917E-05	3.567E-04			
% OF TOTAL		0.696	50.360	13.746	0.263						
HF-181 4.240E+01											
CONCEN (UC/ML)								3.069E-15	8.459E-22	9.00E-10	
CURIES								3.545E-06			
% OF TOTAL											
HG-203 4.659E+01											
CONCEN (UC/ML)		5.647E-14				6.879E-14	8.862E-14	7.610E-14	2.098E-20	2.00E-09	
CURIES		5.387E-06				7.112E-06	8.863E-06	8.791E-05			
% OF TOTAL		10.947									
I-131 8.040E+00											
CONCEN (UC/ML)						1.057E-13	8.187E-14	9.420E-14	2.597E-20	4.00E-10	
CURIES						1.093E-05	8.187E-06	1.088E-04			
% OF TOTAL											
I-132 9.500E-02											
CONCEN (UC/ML)								9.635E-13	2.656E-19	8.00E-09	
CURIES								1.113E-03			
% OF TOTAL											
I-133 8.667E-01											
CONCEN (UC/ML)				1.435E-13	4.219E-13			3.755E-13	1.035E-19	2.00E-09	
CURIES				1.430E-05	4.362E-05			4.337E-04			
% OF TOTAL				0.126							
KR-85M 1.867E-01											
CONCEN (UC/ML)						1.200E-08	7.817E-10	6.888E-09	1.899E-15	1.00E-07	
CURIES						1.241E+00	7.817E-02	7.956E+00			
% OF TOTAL						0.408	0.384	0.532			
KR-87 5.278E-02											
CONCEN (UC/ML)						4.023E-08	2.600E-09	2.193E-08	6.044E-15	2.00E-08	
CURIES						4.160E+00	2.600E-01	2.533E+01			
% OF TOTAL						1.367	1.276	1.694			
KR-88 1.183E-01											
CONCEN (UC/ML)						3.403E-08	2.532E-09	2.091E-08	5.764E-15	9.00E-09	
CURIES						3.518E+00	2.532E-01	2.416E+01			
% OF TOTAL						1.156	1.243	1.616			

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TRA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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TRA-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
LA-140	1.678E+00							7.385E-15	2.036E-21	3.00E-09	
CONCEN (UC/ML)								8.531E-06			
CURIES											
% OF TOTAL											
NA-24	6.237E-01					3.761E-12	2.467E-12	4.542E-12	1.252E-18	4.00E-09	
CONCEN (UC/ML)						3.889E-04	2.467E-04	5.247E-03			
CURIES							0.001				
% OF TOTAL											
RB-88	1.229E-02					6.431E-10	3.563E-10	4.462E-10	1.230E-16	3.00E-08	
CONCEN (UC/ML)						6.649E-02	3.563E-02	5.154E-01			
CURIES						0.022	0.175	0.034			
% OF TOTAL											
RB-89	1.056E-02				1.084E-10	8.812E-10	4.473E-10	6.300E-10	1.737E-16	9.00E-09	
CONCEN (UC/ML)					1.080E-02	9.111E-02	4.473E-02	7.278E-01			
CURIES					95.477	0.030	0.220	0.049			
% OF TOTAL											
RE-188	7.075E-01							2.899E-14	7.991E-21	6.00E-09	
CONCEN (UC/ML)								3.349E-05			
CURIES											
% OF TOTAL											
SR-90	1.059E+04		6.076E-16	8.157E-16		9.894E-16		9.810E-16	2.704E-22	9.00E-12	
CONCEN (UC/ML)			6.100E-08	4.700E-08		1.023E-07		1.133E-06			
CURIES			0.087	0.265							
% OF TOTAL											
TC-99M	2.504E-01					2.280E-12	2.035E-12	1.866E-12	5.144E-19	1.00E-07	
CONCEN (UC/ML)						2.357E-04	2.035E-04	2.156E-03			
CURIES							0.001				
% OF TOTAL											
XE-133	5.250E+00					5.790E-09	1.120E-09	3.603E-09	9.932E-16	5.00E-07	
CONCEN (UC/ML)						5.986E-01	1.120E-01	4.162E+00			
CURIES						0.197	0.550	0.278			
% OF TOTAL											
XE-135	3.792E-01					4.418E-08	2.934E-09	2.422E-08	6.675E-15	8.00E-08	
CONCEN (UC/ML)						4.568E+00	2.934E-01	2.797E+01			
CURIES						1.501	1.440	1.871			
% OF TOTAL											

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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TRA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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TRA-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
XE-135M	1.062E-02										
CONCEN (UC/ML)						2.715E-08	1.500E-09	1.190E-08	3.279E-15	5.00E-08	
CURIES						2.807E+00	1.500E-01	1.374E+01			
% OF TOTAL						0.922	0.736	0.919			
XE-138	9.792E-03										
CONCEN (UC/ML)						1.069E-07	8.717E-09	6.152E-08	1.696E-14	2.00E-08	
CURIES						1.105E+01	8.718E-01	7.106E+01			
% OF TOTAL						3.630	4.279	4.753			
Y-90	2.667E+00										
CONCEN (UC/ML)			6.076E-16	8.157E-16		9.894E-16		9.810E-16	2.704E-22	1.00E-09	
CURIES			6.100E-08	4.700E-08		1.023E-07		1.133E-06			
% OF TOTAL			0.087	0.265							
Y-91M	3.451E-02										
CONCEN (UC/ML)						1.728E-12	2.348E-12	1.361E-12	3.750E-19	4.00E-08	
CURIES						1.787E-04	2.348E-04	1.572E-03			
% OF TOTAL							0.001				
TOTALS											
ALPHA CURIES		-1.051E-08	-4.430E-09	1.959E-08	1.349E-08	-6.649E-09	2.907E-07	8.126E-07			
% OF TOTAL		-0.021	-0.006	0.110							
B+G CURIES		4.922E-05	6.998E-05	1.771E-05	1.131E-02	3.044E+02	2.037E+01	1.495E+03			
% OF TOTAL		100.021	100.006	99.890	100.000	100.000	100.000	99.999			
VOLUME (CU. METERS)		9.540E+07	1.004E+08	5.762E+07	9.968E+07	1.034E+08	1.000E+08	1.155E+09			
GRAND TOTALS (CURIES)		4.921E-05	6.998E-05	1.773E-05	1.131E-02	3.044E+02	2.037E+01	1.495E+03			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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 TRA LIQUID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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 TRA-L

TRA-13

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
CE-141	3.250E+01									
CONCEN (UC/ML)								7.171E-08	5.00E-05	0.14
CURIES								5.068E-03		
% OF TOTAL								0.004		
CE-144	2.844E+02									
CONCEN (UC/ML)			3.863E-07					1.228E-07	7.00E-06	1.75
CURIES			2.663E-03					8.680E-03		
% OF TOTAL			0.268					0.007		
CO-58	7.091E+01									
CONCEN (UC/ML)		3.080E-07	1.449E-07					4.075E-07	4.00E-05	1.02
CURIES		2.900E-03	9.985E-04					2.880E-02		
% OF TOTAL		0.270	0.101					0.022		
CO-60	1.924E+03									
CONCEN (UC/ML)		2.530E-05	9.165E-05	1.840E-05	1.800E-05	2.310E-05	6.190E-05	2.901E-05	5.00E-06	580.25
CURIES		2.383E-01	6.318E-01	8.148E-02	5.870E-02	6.304E-02	1.180E-01	2.051E+00		*****
% OF TOTAL		22.207	63.690	13.228	5.020	0.481	1.141	1.600		
CR-51	2.770E+01									
CONCEN (UC/ML)		7.550E-06	3.191E-06	6.850E-07	5.660E-07	1.640E-05	1.920E-04	2.518E-05	1.00E-03	2.52
CURIES		7.110E-02	2.200E-02	3.033E-03	1.846E-03	4.476E-02	3.660E-01	1.780E+00		
% OF TOTAL		6.627	2.217	0.492	0.158	0.341	3.539	1.389		
CS-134	7.537E+02									
CONCEN (UC/ML)								1.673E-08	2.00E-06	0.84
CURIES								1.182E-03		
% OF TOTAL								0.001		
CS-137	1.101E+04									
CONCEN (UC/ML)		2.230E-06	1.798E-06	2.520E-06				1.112E-06	3.00E-06	37.05
CURIES		2.100E-02	1.240E-02	1.116E-02				7.856E-02		
% OF TOTAL		1.957	1.250	1.812				0.061		
GROSS-ALPHA										
CONCEN (UC/ML)								7.074E-08		
CURIES								5.000E-03		
% OF TOTAL								0.004		
GROSS-BETA										
CONCEN (UC/ML)		2.100E-05	1.602E-05	2.300E-05	1.400E-05	1.300E-05	5.400E-05	2.311E-05		
CURIES		1.978E-01	1.104E-01	1.018E-01	4.565E-02	3.548E-02	1.029E-01	1.634E+00		
% OF TOTAL		18.433	11.134	16.535	3.905	0.271	0.995	1.275		

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
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 TRA LIQUID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
H-3	4.490E+03									
CONCEN (UC/ML)		5.600E-05	2.358E-05	8.500E-05	3.200E-04	4.700E-03	5.070E-03	1.726E-03	2.00E-03	86.32
CURIES		5.274E-01	1.625E-01	3.764E-01	1.044E+00	1.283E+01	9.663E+00	1.220E+02		
% OF TOTAL		49.154	16.384	61.108	89.246	97.841	93.461	95.204		
MN-54	3.122E+02									
CONCEN (UC/ML)			5.192E-07	6.620E-07	7.140E-07		1.010E-06	1.523E-07	5.00E-05	0.30
CURIES			3.579E-03	2.931E-03	2.328E-03		1.925E-03	1.076E-02		
% OF TOTAL			0.361	0.476	0.199		0.019	0.008		
NA-24	6.237E-01									
CONCEN (UC/ML)						4.880E-05	4.400E-05	3.392E-06	1.00E-04	3.39
CURIES						1.332E-01	8.386E-02	2.398E-01		
% OF TOTAL						1.016	0.811	0.187		
NB-95	3.498E+01									
CONCEN (UC/ML)			2.117E-07					2.065E-08	6.00E-05	0.03
CURIES			1.459E-03					1.459E-03		
% OF TOTAL			0.147					0.001		
SB-124	6.020E+01									
CONCEN (UC/ML)								2.182E-08	1.00E-05	0.22
CURIES								1.542E-03		
% OF TOTAL								0.001		
SR-89	5.052E+01									
CONCEN (UC/ML)						4.000E-08		1.544E-09	2.00E-05	0.01
CURIES						1.092E-04		1.092E-04		
% OF TOTAL						0.001				
SR-90	1.059E+04									
CONCEN (UC/ML)			2.278E-06	2.970E-06	8.700E-07	2.780E-07		1.576E-06	1.00E-06	157.60
CURIES			1.570E-02	1.315E-02	2.837E-03	7.587E-04		1.114E-01		*****
% OF TOTAL			1.583	2.135	0.243	0.006		0.087		
TA-182	1.145E+02									
CONCEN (UC/ML)								1.456E-08	2.00E-05	0.07
CURIES								1.029E-03		
% OF TOTAL								0.001		
Y-90	2.667E+00									
CONCEN (UC/ML)			2.278E-06	2.970E-06	8.700E-07	2.780E-07		1.576E-06	1.00E-05	15.76
CURIES			1.570E-02	1.315E-02	2.837E-03	7.587E-04		1.114E-01		
% OF TOTAL			1.583	2.135	0.243	0.006		0.087		

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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TRA-L

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
ZN-65	2.438E+02									
CONCEN (UC/ML)		1.540E-06	1.664E-06	2.890E-06	3.540E-06	1.820E-06	1.830E-06	1.085E-06	9.00E-06	12.05
CURIES		1.450E-02	1.147E-02	1.280E-02	1.154E-02	4.967E-03	3.488E-03	7.668E-02		
% OF TOTAL		1.352	1.156	2.078	0.987	0.038	0.034	0.060		
ZR-95	6.403E+01									
CONCEN (UC/ML)			1.824E-07					1.779E-08	4.00E-05	0.04
CURIES			1.257E-03					1.257E-03		
% OF TOTAL			0.127					0.001		
TOTALS										
ALPHA CURIES								5.000E-03		
% OF TOTAL								0.004		
B+G CURIES		1.073E+00	9.920E-01	6.159E-01	1.169E+00	1.311E+01	1.034E+01	1.282E+02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.996		
VOLUME (LITERS)		9.417E+06	6.893E+06	4.428E+06	3.261E+06	2.729E+06	1.906E+06	7.068E+07		
GRAND TOTALS (CURIES)		1.073E+00	9.920E-01	6.159E-01	1.169E+00	1.311E+01	1.034E+01	1.282E+02		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

*** The CG limit is being approached or has been exceeded during the current month. Please verify the accuracy of the reported data. If the data is in error, please send correct data to Waste Information.

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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 TRA DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AG-108M CURIES % OF TOTAL	4.745E+04		1.060E-07					1.060E-07
AM-241 CURIES % OF TOTAL	1.577E+05	1.490E-02	5.620E-08					1.490E-02
GRAMS		0.113						
		4.331E-03	1.634E-08					4.331E-03
BA-140 CURIES % OF TOTAL	1.276E+01	3.600E-03						3.600E-03
		0.027						
C-14 CURIES % OF TOTAL	2.092E+06							1.400E-02
CE-141 CURIES % OF TOTAL	3.250E+01	7.900E-03	2.730E-02					3.520E-02
		0.060						
CE-144 CURIES % OF TOTAL	2.844E+02	1.550E-02	5.614E-01					5.797E-01
		0.118	0.001					
CM-242 CURIES % OF TOTAL	1.630E+02							8.000E-10
CM-244 CURIES % OF TOTAL	6.610E+03							1.360E-08
CO-58 CURIES % OF TOTAL	7.091E+01	1.350E-02	2.021E-01	7.200E-03				5.223E+00
		0.103		0.755				0.002
CO-60 CURIES % OF TOTAL	1.924E+03	5.164E-01	2.843E+02	4.537E-02				1.134E+03
		3.932	0.290	4.759				0.380
CR-51 CURIES % OF TOTAL	2.770E+01	2.000E+00	6.443E-01	8.813E-01				4.672E+01
		15.227	0.001	92.441				0.016
CS-134 CURIES % OF TOTAL	7.537E+02	3.189E-02	7.290E-02	3.000E-04				1.060E-01
		0.243		0.031				

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 TRA DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CS-137 CURIES % OF TOTAL	1.101E+04	1.261E+00 9.601	2.087E-01					1.475E+00
EU-152 CURIES % OF TOTAL	4.891E+03	1.090E-12	6.820E-08					6.820E-08
EU-154 CURIES % OF TOTAL	3.103E+03	1.760E-02 0.134	1.690E-07					1.760E-02
EU-155 CURIES % OF TOTAL	1.727E+03	8.700E-13						8.700E-13
FE-55 CURIES % OF TOTAL	9.782E+02							6.900E+02 0.231
H-3 CURIES % OF TOTAL	4.490E+03	6.200E-03 0.047	9.682E+04 98.668					2.930E+05 98.273
HF-181 CURIES % OF TOTAL	4.240E+01	1.500E-03 0.011	2.740E-02					3.480E-02
I-131 CURIES % OF TOTAL	8.040E+00			2.000E-04 0.021				6.600E-03
IR-192 CURIES % OF TOTAL	7.383E+01	1.900E-03 0.014						1.900E-03
LA-140 CURIES % OF TOTAL	1.678E+00	3.600E-03 0.027						3.600E-03
MN-54 CURIES % OF TOTAL	3.122E+02	2.110E-02 0.161	1.445E-01					8.317E+01 0.028
MO-99 CURIES % OF TOTAL	2.747E+00			1.900E-02 1.993				1.900E-02

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 TRA DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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 TRA-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
NB-94 CURIES % OF TOTAL	7.300E+06							9.000E-07
NB-95 CURIES % OF TOTAL	3.498E+01	1.330E-02 0.101	9.520E-02					1.521E-01
NI-59 CURIES % OF TOTAL	2.774E+07							1.120E-01
NI-63 CURIES % OF TOTAL	3.650E+04		1.020E+03 1.039					3.075E+03 1.031
PR-144 CURIES % OF TOTAL	1.200E-02		2.537E-01					2.537E-01
PU-238 CURIES % OF TOTAL GRAMS	3.203E+04							4.280E-06 2.503E-07
PU-239 CURIES % OF TOTAL GRAMS	8.800E+06							3.800E-07 6.119E-06
RU-103 CURIES % OF TOTAL	3.924E+01	3.900E-03 0.030						5.600E-03
SB-124 CURIES % OF TOTAL	6.020E+01							5.000E-04
SB-125 CURIES % OF TOTAL	1.007E+03		2.180E-08					5.000E+00 0.002
SC-46 CURIES % OF TOTAL	8.382E+01		4.600E-03					5.600E-03
SE-75 CURIES % OF TOTAL	1.198E+02							9.000E-03

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 TRA DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
SN-119M CURIES % OF TOTAL	2.930E+02							1.500E+01 0.005
SR-89 CURIES % OF TOTAL	5.052E+01	8.015E-01 6.102						8.015E-01
SR-90 CURIES % OF TOTAL	1.059E+04	8.241E+00 62.742	2.816E-01					8.526E+00 0.003
TC-99 CURIES % OF TOTAL	7.775E+07							2.500E-05
U-234 CURIES % OF TOTAL GRAMS	8.943E+07		4.340E-07 6.955E-05					4.340E-07 6.955E-05
U-235 CURIES % OF TOTAL GRAMS	2.570E+11		2.270E-08 1.051E-02					2.270E-08 1.051E-02
ZN-65 CURIES % OF TOTAL	2.438E+02	1.494E-01 1.137	3.223E-01					8.247E+01 0.028
ZR-95 CURIES % OF TOTAL	6.403E+01	9.000E-03 0.069	7.080E-02					8.730E-02

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TRA DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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TRA-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS								
ALPHA CURIES		1.490E-02	5.129E-07					1.491E-02
% OF TOTAL		0.113						
B+G CURIES		1.312E+01	9.813E+04	9.534E-01				2.982E+05
% OF TOTAL		99.887	100.000	100.000				100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM		0	0					4.331E-03
TOTAL GRAMS OF PU								6.369E-06
TOTAL GRAMS OF PU-239+241								6.119E-06
TOTAL GRAMS OF U			0					1.058E-02
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		5.964E+00	7.125E+00	3.398E+00				2.834E+01
WEIGHT (KILOGRAMS)		6.391E+03	8.509E+03	7.710E+03				3.207E+04
<hr/>								
GRAND TOTALS (CURIES)		1.313E+01	9.813E+04	9.534E-01				2.982E+05

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**TRA Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

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TRA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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TRA-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	TRA-A YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		3.162E-06	1.532E-06	2.271E-06	2.158E-06	3.026E-07		1.711E-06	4.716E-13	1.00E-08	
CURIES		3.458E+02	1.672E+02	2.421E+02	2.373E+02	3.188E+01		1.024E+03			
% OF TOTAL		85.755	88.119	88.408	88.979	86.646		87.522			
BA-139	5.771E-02										
CONCEN (UC/ML)		9.509E-11	6.354E-11	5.795E-11	6.565E-11	1.352E-10		7.513E-11	2.071E-17	7.00E-08	
CURIES		1.040E-02	6.935E-03	6.179E-03	7.218E-03	1.424E-02		4.497E-02			
% OF TOTAL		0.003	0.004	0.002	0.003	0.039		0.004			
BA-140	1.276E+01										
CONCEN (UC/ML)		5.708E-14						1.043E-14	2.875E-21	3.00E-09	
CURIES		6.243E-06						6.243E-06			
% OF TOTAL											
CO-58	7.091E+01										
CONCEN (UC/ML)						7.575E-15		1.333E-15	3.675E-22	2.00E-09	
CURIES						7.981E-07		7.981E-07			
% OF TOTAL											
CO-60	1.924E+03										
CONCEN (UC/ML)			4.167E-14	2.697E-14	2.014E-14	1.215E-15	1.504E-12	1.625E-13	4.480E-20	8.00E-11	
CURIES			4.548E-06	2.876E-06	2.214E-06	1.280E-07	8.754E-05	9.731E-05			
% OF TOTAL							63.905				
CR-51	2.770E+01										
CONCEN (UC/ML)		5.535E-12	7.061E-12	1.034E-11	6.553E-12	1.486E-12	6.171E-13	5.664E-12	1.561E-18	5.00E-08	
CURIES		6.053E-04	7.706E-04	1.102E-03	7.205E-04	1.566E-04	3.591E-05	3.391E-03			
% OF TOTAL							26.215				
CS-137	1.101E+04										
CONCEN (UC/ML)					1.644E-14		1.322E-14	4.305E-15	1.187E-21	4.00E-10	
CURIES					1.808E-06		7.694E-07	2.577E-06			
% OF TOTAL							0.562				
CS-138	2.236E-02										
CONCEN (UC/ML)		1.139E-09	7.847E-10	8.331E-10	8.643E-10	1.680E-09		9.540E-10	2.630E-16	8.00E-09	
CURIES		1.246E-01	8.564E-02	8.883E-02	9.503E-02	1.770E-01		5.711E-01			
% OF TOTAL		0.031	0.045	0.032	0.036	0.481		0.049			
GROSS-ALPHA											
CONCEN (UC/ML)		-5.723E-16	2.194E-15	1.929E-15	2.814E-16	8.631E-16	1.023E-16	8.526E-16	2.350E-22		
CURIES		-6.259E-08	2.395E-07	2.057E-07	3.094E-08	9.093E-08	5.950E-09	5.104E-07			
% OF TOTAL							0.004				

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TRA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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TRA-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
GROSS-BETA											
CONCEN (UC/ML)		6.788E-14	7.130E-13	1.373E-14	1.108E-12	2.362E-13	5.783E-14	3.955E-13	1.090E-19		
CURIES		7.424E-06	7.781E-05	1.464E-06	1.218E-04	2.488E-05	3.365E-06	2.367E-04			
% OF TOTAL							2.457				
HF-181											
CONCEN (UC/ML)	4.240E+01						6.092E-14	5.922E-15	1.632E-21	9.00E-10	
CURIES							3.545E-06	3.545E-06			
% OF TOTAL							2.588				
HG-203											
CONCEN (UC/ML)	4.659E+01	1.174E-13	8.168E-14	1.775E-13	8.754E-14	1.013E-13	9.566E-14	1.112E-13	3.064E-20	2.00E-09	
CURIES		1.284E-05	8.914E-06	1.893E-05	9.625E-06	1.067E-05	5.566E-06	6.655E-05			
% OF TOTAL							4.063				
I-131											
CONCEN (UC/ML)	8.040E+00	2.976E-13	1.134E-13	2.017E-13	1.683E-13	4.509E-14		1.498E-13	4.130E-20	4.00E-10	
CURIES		3.255E-05	1.238E-05	2.151E-05	1.851E-05	4.750E-06		8.970E-05			
% OF TOTAL											
I-132											
CONCEN (UC/ML)	9.500E-02	5.697E-12	4.488E-12					1.859E-12	5.124E-19	8.00E-09	
CURIES		6.231E-04	4.898E-04					1.113E-03			
% OF TOTAL											
I-133											
CONCEN (UC/ML)	8.667E-01	9.774E-13	8.807E-13	3.721E-13	9.540E-13	2.679E-13		6.278E-13	1.730E-19	2.00E-09	
CURIES		1.069E-04	9.612E-05	3.968E-05	1.049E-04	2.823E-05		3.758E-04			
% OF TOTAL											
KR-85M											
CONCEN (UC/ML)	1.867E-01	2.383E-08	9.102E-09	1.413E-08	1.206E-08	1.942E-09		1.109E-08	3.056E-15	1.00E-07	
CURIES		2.606E+00	9.934E-01	1.507E+00	1.326E+00	2.046E-01		6.637E+00			
% OF TOTAL		0.646	0.524	0.550	0.497	0.556		0.567			
KR-87											
CONCEN (UC/ML)	5.278E-02	7.780E-08	3.057E-08	4.262E-08	3.560E-08	5.734E-09		3.492E-08	9.627E-15	2.00E-08	
CURIES		8.509E+00	3.336E+00	4.544E+00	3.914E+00	6.041E-01		2.091E+01			
% OF TOTAL		2.110	1.758	1.659	1.468	1.642		1.786			
KR-88											
CONCEN (UC/ML)	1.183E-01	7.728E-08	2.774E-08	3.722E-08	3.914E-08	6.008E-09		3.405E-08	9.386E-15	9.00E-09	
CURIES		8.452E+00	3.027E+00	3.969E+00	4.304E+00	6.330E-01		2.038E+01			
% OF TOTAL		2.096	1.595	1.449	1.614	1.720		1.742			

TRA-24

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 TRA AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

 PAGE 3 RPT. 104
 TRA-A
 YEARLY
 RELEASE
 % OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
LA-140	1.678E+00										
CONCEN (UC/ML)		7.800E-14						1.425E-14	3.928E-21	3.00E-09	
CURIES		8.531E-06						8.531E-06			
% OF TOTAL											
NA-24	6.237E-01										
CONCEN (UC/ML)		5.881E-12	2.475E-11	4.876E-12	4.356E-12	2.542E-12		7.702E-12	2.123E-18	4.00E-09	
CURIES		6.432E-04	2.701E-03	5.199E-04	4.790E-04	2.678E-04		4.611E-03			
% OF TOTAL			0.001			0.001					
RB-88	1.229E-02										
CONCEN (UC/ML)		8.996E-10	4.885E-10	6.828E-10	6.216E-10	1.143E-09		6.903E-10	1.903E-16	3.00E-08	
CURIES		9.839E-02	5.331E-02	7.281E-02	6.835E-02	1.204E-01		4.133E-01			
% OF TOTAL		0.024	0.028	0.027	0.026	0.327		0.035			
RB-89	1.056E-02										
CONCEN (UC/ML)		1.307E-09	6.629E-10	9.269E-10	8.397E-10	1.658E-09		9.707E-10	2.676E-16	9.00E-09	
CURIES		1.429E-01	7.235E-02	9.883E-02	9.233E-02	1.747E-01		5.811E-01			
% OF TOTAL		0.035	0.038	0.036	0.035	0.475		0.050			
RE-188	7.075E-01										
CONCEN (UC/ML)				3.141E-13				5.594E-14	1.542E-20	6.00E-09	
CURIES				3.349E-05				3.349E-05			
% OF TOTAL											
SR-90	1.059E+04										
CONCEN (UC/ML)			4.574E-16	4.319E-15	2.468E-15		2.423E-15	1.542E-15	4.249E-22	9.00E-12	
CURIES			4.992E-08	4.605E-07	2.714E-07		1.410E-07	9.228E-07			
% OF TOTAL							0.103				
TC-99M	2.504E-01										
CONCEN (UC/ML)		2.599E-12	4.831E-12	4.140E-12	3.467E-12	7.838E-13		2.868E-12	7.904E-19	1.00E-07	
CURIES		2.842E-04	5.272E-04	4.414E-04	3.812E-04	8.258E-05		1.717E-03			
% OF TOTAL											
XE-133	5.250E+00										
CONCEN (UC/ML)		1.325E-08	5.151E-09	8.630E-09	4.731E-09			5.766E-09	1.589E-15	5.00E-07	
CURIES		1.449E+00	5.622E-01	9.202E-01	5.202E-01			3.452E+00			
% OF TOTAL		0.359	0.296	0.336	0.195			0.295			
XE-135	3.792E-01										
CONCEN (UC/ML)		8.129E-08	3.164E-08	5.042E-08	4.300E-08	6.320E-09		3.861E-08	1.064E-14	8.00E-08	
CURIES		8.890E+00	3.453E+00	5.376E+00	4.728E+00	6.658E-01		2.311E+01			
% OF TOTAL		2.205	1.820	1.963	1.773	1.810		1.975			

TRA-25

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TRA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 4 RPT. 104
TRA-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	TRA-A YEARLY RELEASE % OF CG
XE-135M	1.062E-02										
CONCEN (UC/ML)		3.784E-08	1.271E-08	2.457E-08	2.005E-08	4.117E-09		1.801E-08	4.965E-15	5.00E-08	
CURIES		4.138E+00	1.387E+00	2.620E+00	2.205E+00	4.338E-01		1.078E+01			
% OF TOTAL		1.026	0.731	0.957	0.827	1.179		0.921			
XE-138	9.792E-03										
CONCEN (UC/ML)		2.105E-07	8.761E-08	1.176E-07	1.103E-07	1.789E-08		9.879E-08	2.723E-14	2.00E-08	
CURIES		2.302E+01	9.562E+00	1.254E+01	1.213E+01	1.885E+00		5.914E+01			
% OF TOTAL		5.709	5.039	4.579	4.548	5.123		5.053			
Y-90	2.667E+00										
CONCEN (UC/ML)			4.574E-16	4.319E-15	2.468E-15		2.423E-15	1.542E-15	4.249E-22	1.00E-09	
CURIES			4.992E-08	4.605E-07	2.714E-07		1.410E-07	9.228E-07			
% OF TOTAL							0.103				
Y-91M	3.451E-02										
CONCEN (UC/ML)		2.191E-12	2.340E-12		2.294E-12	3.901E-12		1.935E-12	5.333E-19	4.00E-08	
CURIES		2.396E-04	2.554E-04		2.522E-04	4.110E-04		1.158E-03			
% OF TOTAL						0.001					
TOTALS											
ALPHA CURIES		-6.259E-08	2.395E-07	2.057E-07	3.094E-08	9.093E-08	5.950E-09	5.104E-07			
% OF TOTAL							0.004				
B+G CURIES		4.032E+02	1.897E+02	2.738E+02	2.667E+02	3.679E+01	1.370E-04	1.170E+03			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	99.996	99.999			
VOLUME (CU. METERS)		1.094E+08	1.091E+08	1.066E+08	1.100E+08	1.054E+08	5.819E+07	5.986E+08			
GRAND TOTALS (CURIES)		4.032E+02	1.897E+02	2.738E+02	2.667E+02	3.679E+01	1.370E-04	1.170E+03			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 TRA LIQUID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

 PAGE 1 RPT. 105
 TRA-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
CE-141	3.250E+01									
CONCEN (UC/ML)		5.270E-07	2.710E-07					1.205E-07	5.00E-05	0.24
CURIES		2.799E-03	2.269E-03					5.068E-03		
% OF TOTAL		0.016	0.012					0.005		
CE-144	2.844E+02									
CONCEN (UC/ML)		2.850E-07	3.310E-07	2.490E-07				1.431E-07	7.00E-06	2.04
CURIES		1.514E-03	2.772E-03	1.732E-03				6.017E-03		
% OF TOTAL		0.009	0.015	0.005				0.006		
CO-58	7.091E+01									
CONCEN (UC/ML)						2.070E-07	3.800E-06	5.922E-07	4.00E-05	1.48
CURIES						1.554E-03	2.335E-02	2.490E-02		
% OF TOTAL						0.017	0.944	0.025		
CO-60	1.924E+03									
CONCEN (UC/ML)		4.160E-07	1.390E-06	1.650E-06	1.150E-06	1.880E-06	1.320E-04	2.044E-05	5.00E-06	408.78
CURIES		2.209E-03	1.164E-02	1.147E-02	8.921E-03	1.411E-02	8.110E-01	8.594E-01		*****
% OF TOTAL		0.013	0.064	0.032	0.048	0.150	32.804	0.852		
CR-51	2.770E+01									
CONCEN (UC/ML)		2.440E-05	4.430E-05	5.890E-05	8.900E-06	3.840E-06	4.280E-05	3.023E-05	1.00E-03	3.02
CURIES		1.296E-01	3.710E-01	4.096E-01	6.904E-02	2.882E-02	2.630E-01	1.271E+00		
% OF TOTAL		0.760	2.037	1.159	0.375	0.307	10.636	1.260		
CS-134	7.537E+02									
CONCEN (UC/ML)				1.700E-07				2.812E-08	2.00E-06	1.41
CURIES				1.182E-03				1.182E-03		
% OF TOTAL				0.003				0.001		
CS-137	1.101E+04									
CONCEN (UC/ML)			1.380E-07	1.180E-06	2.730E-07	2.810E-06	2.340E-07	8.088E-07	3.00E-06	26.96
CURIES			1.156E-03	8.206E-03	2.118E-03	2.109E-02	1.438E-03	3.401E-02		
% OF TOTAL			0.006	0.023	0.012	0.224	0.058	0.034		
GROSS-ALPHA										
CONCEN (UC/ML)					2.100E-07	3.100E-07	1.700E-07	1.189E-07		
CURIES					1.629E-03	2.327E-03	1.044E-03	5.000E-03		
% OF TOTAL					0.009	0.025	0.042	0.005		
GROSS-BETA										
CONCEN (UC/ML)		3.200E-06	1.600E-05	1.700E-05	5.500E-06	2.000E-05	9.400E-05	2.472E-05		
CURIES		1.700E-02	1.340E-01	1.182E-01	4.266E-02	1.501E-01	5.775E-01	1.039E+00		
% OF TOTAL		0.100	0.736	0.335	0.232	1.596	23.360	1.031		

TRA-27

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 2 RPT. 105
TRA-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
H-3	4.490E+03									
CONCEN (UC/ML)		3.180E-03	2.110E-03	5.000E-03	2.350E-03	1.210E-03	1.280E-04	2.317E-03	2.00E-03	115.86
CURIES		1.689E+01	1.767E+01	3.477E+01	1.823E+01	9.081E+00	7.864E-01	9.742E+01		*****
% OF TOTAL		99.063	97.011	98.397	99.080	96.585	31.810	96.583		
NA-24	6.237E-01									
CONCEN (UC/ML)		1.060E-06	2.040E-06					5.402E-07	1.00E-04	0.54
CURIES		5.630E-03	1.708E-02					2.271E-02		
% OF TOTAL		0.033	0.094					0.023		
SB-124	6.020E+01									
CONCEN (UC/ML)							2.510E-07	3.668E-08	1.00E-05	0.37
CURIES							1.542E-03	1.542E-03		
% OF TOTAL							0.062	0.002		
SR-90	1.059E+04									
CONCEN (UC/ML)				7.900E-07	2.890E-06	6.800E-06		1.878E-06	1.00E-06	187.76
CURIES				5.494E-03	2.242E-02	5.103E-02		7.895E-02		*****
% OF TOTAL				0.016	0.122	0.543		0.078		
TA-182	1.145E+02									
CONCEN (UC/ML)				1.480E-07				2.448E-08	2.00E-05	0.12
CURIES				1.029E-03				1.029E-03		
% OF TOTAL				0.003				0.001		
Y-90	2.667E+00									
CONCEN (UC/ML)				7.900E-07	2.890E-06	6.800E-06		1.878E-06	1.00E-05	18.78
CURIES				5.494E-03	2.242E-02	5.103E-02		7.895E-02		
% OF TOTAL				0.016	0.122	0.543		0.078		
ZN-65	2.438E+02									
CONCEN (UC/ML)		2.060E-07	5.390E-07	6.110E-07		1.400E-07	1.140E-06	4.260E-07	9.00E-06	4.73
CURIES		1.094E-03	4.514E-03	4.249E-03		1.051E-03	7.004E-03	1.791E-02		
% OF TOTAL		0.006	0.025	0.012		0.011	0.283	0.018		
TOTALS										
ALPHA CURIES					1.629E-03	2.327E-03	1.044E-03	5.000E-03		
% OF TOTAL					0.009	0.025	0.042	0.005		
B+G CURIES		1.705E+01	1.821E+01	3.534E+01	1.840E+01	9.400E+00	2.471E+00	1.009E+02		
% OF TOTAL		100.000	100.000	100.000	99.991	99.975	99.958	99.995		
VOLUME (LITERS)		5.311E+06	8.374E+06	6.954E+06	7.757E+06	7.505E+06	6.144E+06	4.205E+07		
GRAND TOTALS (CURIES)		1.705E+01	1.821E+01	3.534E+01	1.840E+01	9.402E+00	2.472E+00	1.009E+02		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February8, 1990, Figures III-1 and III-3

TRA-28

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1993PAGE 3 RPT. 105
TRA-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
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*** The CG limit is being approached or has been exceeded during the current month. Please verify the accuracy of the reported data. If the data is in error, please send correct data to Waste Information.

TRA-29

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 TRA DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

 PAGE 1 RPT 106
 TRA-S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
AM-241	1.577E+05							
CURIES						7.540E-08		7.540E-08
% OF TOTAL								
GRAMS						2.192E-08		2.192E-08
C-14	2.092E+06							
CURIES				1.400E-02				1.400E-02
% OF TOTAL				0.001				
CE-144	2.844E+02							
CURIES							2.800E-03	2.800E-03
% OF TOTAL								
CM-242	1.630E+02							
CURIES						8.000E-10		8.000E-10
% OF TOTAL								
CM-244	6.610E+03							
CURIES						1.360E-08		1.360E-08
% OF TOTAL								
CO-58	7.091E+01							
CURIES				5.000E+00			3.000E-04	5.000E+00
% OF TOTAL				0.424				0.003
CO-60	1.924E+03							
CURIES				2.850E+02		2.820E+02	2.820E+02	8.490E+02
% OF TOTAL				24.150		0.283	0.284	0.424
CR-51	2.770E+01							
CURIES							4.319E+01	4.319E+01
% OF TOTAL							0.043	0.022
CS-134	7.537E+02							
CURIES							9.000E-04	9.000E-04
% OF TOTAL								
CS-137	1.101E+04							
CURIES							5.200E-03	5.200E-03
% OF TOTAL								
FE-55	9.782E+02							
CURIES				6.900E+02				6.900E+02
% OF TOTAL				58.468				0.345
H-3	4.490E+03							
CURIES				1.100E-04		9.820E+04	9.798E+04	1.962E+05
% OF TOTAL						98.691	98.646	98.086

TRA-30

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 TRA DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

 PAGE 2 RPT 106
 TRA-S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
HF-181 CURIES % OF TOTAL	4.240E+01						5.900E-03	5.900E-03
I-131 CURIES % OF TOTAL	8.040E+00						6.400E-03	6.400E-03
MN-54 CURIES % OF TOTAL	3.122E+02			8.300E+01 7.033			4.000E-04	8.300E+01 0.041
NB-94 CURIES % OF TOTAL	7.300E+06			9.000E-07				9.000E-07
NB-95 CURIES % OF TOTAL	3.498E+01						4.360E-02	4.360E-02
NI-59 CURIES % OF TOTAL	2.774E+07			1.120E-01 0.009				1.120E-01
NI-63 CURIES % OF TOTAL	3.650E+04			1.500E+01 1.271	1.020E+03 1.025	1.020E+03 1.027	2.055E+03 1.027	
PU-238 CURIES % OF TOTAL GRAMS	3.203E+04				4.280E-06			4.280E-06
					2.503E-07			2.503E-07
PU-239 CURIES % OF TOTAL GRAMS	8.800E+06				3.800E-07			3.800E-07
					6.119E-06			6.119E-06
RU-103 CURIES % OF TOTAL	3.924E+01						1.700E-03	1.700E-03
SB-124 CURIES % OF TOTAL	6.020E+01						5.000E-04	5.000E-04
SB-125 CURIES % OF TOTAL	1.007E+03			5.000E+00 0.424			4.000E-04	5.000E+00 0.003

TRA-31

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TRA DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 3 RPT 106
TRA-S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
SC-46 CURIES % OF TOTAL	8.382E+01						1.000E-03	1.000E-03
SE-75 CURIES % OF TOTAL	1.198E+02						9.000E-03	9.000E-03
SN-119M CURIES % OF TOTAL	2.930E+02			1.500E+01 1.271				1.500E+01 0.007
SR-90 CURIES % OF TOTAL	1.059E+04			2.500E-09			3.400E-03	3.400E-03
TC-99 CURIES % OF TOTAL	7.775E+07			2.500E-05				2.500E-05
ZN-65 CURIES % OF TOTAL	2.438E+02			8.200E+01 6.948			1.600E-03	8.200E+01 0.041
ZR-95 CURIES % OF TOTAL	6.403E+01						7.500E-03	7.500E-03
TOTALS								
ALPHA CURIES % OF TOTAL						4.750E-06		4.750E-06
B+G CURIES % OF TOTAL				1.180E+03 100.000		9.950E+04 100.000	9.933E+04 100.000	2.000E+05 100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM						0		0
TOTAL GRAMS OF PU						0		0
TOTAL GRAMS OF PU-239+241						0		0
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)				7.640E-01		4.384E+00	6.709E+00	1.186E+01
WEIGHT (KILOGRAMS)				4.080E+02		5.965E+02	8.459E+03	9.464E+03
GRAND TOTALS (CURIES)				1.180E+03		9.950E+04	9.933E+04	2.000E+05

TRA-32

**TRA Facility Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

ALPHA LAB AIR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 1 RPT. 115
TRA/TRA-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		3.564E-16	-6.651E-17	1.187E-16	3.599E-17	-1.708E-16	-1.913E-16	-5.212E-17	-1.109E-23	
CURIES		7.210E-09	-1.390E-09	2.480E-09	7.280E-10	-3.570E-09	-3.870E-09	-1.293E-08		
UNCERT(CURIES)		4.250E-09	4.490E-09	4.000E-09	4.930E-09	6.310E-09	5.880E-09			
UNCERT(UC/ML)										
% OF TOTAL		10.154	-1.871	1.930	1.467	-8.787	-15.777	-1.467		
GROSS-BETA										
CONCEN (UC/ML)		3.154E-15	3.622E-15	6.029E-15	2.417E-15	2.115E-15	1.404E-15	3.606E-15	7.675E-22	
CURIES		6.380E-08	7.570E-08	1.260E-07	4.890E-08	4.420E-08	2.840E-08	8.947E-07		
UNCERT(CURIES)		7.610E-09	8.730E-09	9.690E-09	7.640E-09	9.320E-09	8.130E-09			
UNCERT(UC/ML)										
% OF TOTAL		89.847	101.871	98.070	98.533	108.787	115.777	101.467		
TOTALS										
ALPHA CURIES		7.210E-09	-1.390E-09	2.480E-09	7.280E-10	-3.570E-09	-3.870E-09	-1.293E-08		
% OF TOTAL		10.154	-1.871	1.930	1.467	-8.787	-15.777	-1.467		
B+G CURIES		6.380E-08	7.570E-08	1.260E-07	4.890E-08	4.420E-08	2.840E-08	8.947E-07		
% OF TOTAL		89.847	101.871	98.070	98.533	108.787	115.777	101.467		
VOLUME (CU. METERS)		2.023E+07	2.090E+07	2.090E+07	2.023E+07	2.090E+07	2.023E+07	2.481E+08		

GRAND TOTALS (CURIES)		7.101E-08	7.431E-08	1.285E-07	4.963E-08	4.063E-08	2.453E-08	8.818E-07		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)						5.083E-06	3.470E-07	2.413E-06	6.651E-13	1.00E-08	0.01
CURIES						2.762E+02	1.823E+01	1.319E+03			
UNCERT(CURIES)						1.000E+00	1.500E-01				
UNCERT(UC/ML)											
% OF TOTAL						90.740	89.481	88.203			
BA-139	5.771E-02										
CONCEN (UC/ML)					8.142E-12	9.722E-11	5.532E-11	9.806E-11	2.703E-17	7.00E-08	
CURIES					4.250E-04	5.283E-03	2.906E-03	5.359E-02			
UNCERT(CURIES)					8.660E-05	1.460E-04	1.720E-04				
UNCERT(UC/ML)											
% OF TOTAL					3.758	0.002	0.014	0.004			
BA-140	1.276E+01										
CONCEN (UC/ML)								1.142E-14	3.149E-21	3.00E-09	
CURIES								6.243E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
CO-58	7.091E+01										
CONCEN (UC/ML)								1.460E-15	4.025E-22	2.00E-09	
CURIES								7.981E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
CO-60	1.924E+03										
CONCEN (UC/ML)		7.385E-13	6.743E-13	1.696E-12	7.989E-13	1.315E-13	2.395E-13	4.413E-13	1.216E-19	8.00E-11	
CURIES		3.539E-05	3.462E-05	1.452E-05	4.170E-05	7.146E-06	1.258E-05	2.411E-04			
UNCERT(CURIES)		1.390E-06	8.200E-07	1.310E-06	1.710E-06	7.100E-07	9.500E-07				
UNCERT(UC/ML)											
% OF TOTAL		72.402	49.786	98.905	0.369						
CR-51	2.770E+01										
CONCEN (UC/ML)		1.141E-13				3.530E-12	4.822E-12	7.029E-12	1.938E-18	5.00E-08	
CURIES		5.468E-06				1.918E-04	2.533E-04	3.841E-03			
UNCERT(CURIES)		2.050E-06				5.500E-06	6.700E-06				
UNCERT(UC/ML)											
% OF TOTAL		11.187					0.001				
CS-137	1.101E+04										
CONCEN (UC/ML)		5.499E-14			1.720E-14			1.102E-14	3.039E-21	4.00E-10	
CURIES		2.635E-06			8.980E-07			6.024E-06			
UNCERT(CURIES)		7.890E-07			4.210E-07						
UNCERT(UC/ML)											
% OF TOTAL		5.391			0.008						

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CS-138	2.236E-02										
CONCEN (UC/ML)						1.470E-09	7.679E-10	1.265E-09	3.487E-16	8.00E-09	
CURIES						7.987E-02	4.034E-02	6.913E-01			
UNCERT(CURIES)						1.390E-03	7.500E-04				
UNCERT(UC/ML)											
% OF TOTAL						0.026	0.198	0.046			
GROSS-ALPHA											
CONCEN (UC/ML)			4.871E-16			3.627E-17	4.093E-15	1.225E-15	3.377E-22		
CURIES			2.501E-08			1.971E-09	2.150E-07	6.696E-07			
UNCERT(CURIES)			3.530E-08			2.460E-09	6.890E-08				
UNCERT(UC/ML)											
% OF TOTAL			0.036								
GROSS-BETA											
CONCEN (UC/ML)			6.772E-13	7.796E-15	5.421E-13	4.367E-14	9.252E-13	6.259E-13	1.725E-19		
CURIES			3.477E-05	6.676E-08	2.830E-05	2.373E-06	4.860E-05	3.421E-04			
UNCERT(CURIES)			1.320E-06	2.000E-09	1.130E-05	5.500E-08	1.390E-06				
UNCERT(UC/ML)											
% OF TOTAL			50.002	0.455	0.250						
HF-181	4.240E+01										
CONCEN (UC/ML)								6.487E-15	1.788E-21	9.00E-10	
CURIES								3.545E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											
HG-203	4.659E+01										
CONCEN (UC/ML)		1.124E-13				1.309E-13	1.687E-13	1.609E-13	4.434E-20	2.00E-09	
CURIES		5.387E-06				7.112E-06	8.863E-06	8.791E-05			
UNCERT(CURIES)		6.470E-07				1.560E-06	9.540E-07				
UNCERT(UC/ML)											
% OF TOTAL		11.021									
I-131	8.040E+00										
CONCEN (UC/ML)						2.011E-13	1.559E-13	1.991E-13	5.488E-20	4.00E-10	
CURIES						1.093E-05	8.187E-06	1.088E-04			
UNCERT(CURIES)						2.020E-06	1.720E-06				
UNCERT(UC/ML)											
% OF TOTAL											
I-132	9.500E-02										
CONCEN (UC/ML)								2.036E-12	5.613E-19	8.00E-09	
CURIES								1.113E-03			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL											

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
I-133	8.667E-01									
CONCEN (UC/ML)					2.739E-13	8.027E-13		7.937E-13	2.188E-19	2.00E-09
CURIES					1.430E-05	4.362E-05		4.337E-04		
UNCERT(CURIES)					7.100E-06	1.260E-05				
UNCERT(UC/ML)										
% OF TOTAL					0.126					
KR-85M	1.867E-01									
CONCEN (UC/ML)						2.284E-08	1.488E-09	1.456E-08	4.013E-15	1.00E-07
CURIES						1.241E+00	7.817E-02	7.956E+00		
UNCERT(CURIES)						6.800E-02	7.870E-03			
UNCERT(UC/ML)										
% OF TOTAL						0.408	0.384	0.532		
KR-87	5.278E-02									
CONCEN (UC/ML)						7.656E-08	4.950E-09	4.635E-08	1.277E-14	2.00E-08
CURIES						4.160E+00	2.600E-01	2.533E+01		
UNCERT(CURIES)						1.670E-01	2.080E-02			
UNCERT(UC/ML)										
% OF TOTAL						1.367	1.276	1.694		
KR-88	1.183E-01									
CONCEN (UC/ML)						6.474E-08	4.820E-09	4.420E-08	1.218E-14	9.00E-09
CURIES						3.518E+00	2.532E-01	2.416E+01		
UNCERT(CURIES)						2.990E-01	2.610E-02			
UNCERT(UC/ML)										
% OF TOTAL						1.156	1.243	1.616		
LA-140	1.678E+00									
CONCEN (UC/ML)								1.561E-14	4.303E-21	3.00E-09
CURIES								8.531E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
NA-24	6.237E-01									
CONCEN (UC/ML)						7.157E-12	4.696E-12	9.600E-12	2.646E-18	4.00E-09
CURIES						3.889E-04	2.467E-04	5.247E-03		
UNCERT(CURIES)						1.210E-05	1.230E-05			
UNCERT(UC/ML)										
% OF TOTAL							0.001			
RB-88	1.229E-02									
CONCEN (UC/ML)						1.224E-09	6.783E-10	9.431E-10	2.599E-16	3.00E-08
CURIES						6.649E-02	3.563E-02	5.154E-01		
UNCERT(CURIES)						4.860E-03	3.500E-03			
UNCERT(UC/ML)										
% OF TOTAL						0.022	0.175	0.034		

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
RB-89	1.056E-02									
CONCEN (UC/ML)					2.069E-10	1.677E-09	8.515E-10	1.332E-09	3.671E-16	9.00E-09
CURIES					1.080E-02	9.111E-02	4.473E-02	7.278E-01		
UNCERT(CURIES)					1.530E-03	3.160E-03	2.060E-03			
UNCERT(UC/ML)										
% OF TOTAL					95.489	0.030	0.220	0.049		
RE-188	7.075E-01									
CONCEN (UC/ML)								6.128E-14	1.689E-20	6.00E-09
CURIES								3.349E-05		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
SR-90	1.059E+04									
CONCEN (UC/ML)			1.188E-15	5.489E-15		1.883E-15		1.815E-15	5.004E-22	9.00E-12
CURIES			6.100E-08	4.700E-08		1.023E-07		9.921E-07		
UNCERT(CURIES)			1.220E-08	2.400E-08		1.510E-08				
UNCERT(UC/ML)										
% OF TOTAL			0.088	0.320						
TC-99M	2.504E-01									
CONCEN (UC/ML)						4.338E-12	3.874E-12	3.945E-12	1.087E-18	1.00E-07
CURIES						2.357E-04	2.035E-04	2.156E-03		
UNCERT(CURIES)						6.700E-06	7.100E-06			
UNCERT(UC/ML)										
% OF TOTAL							0.001			
XE-133	5.250E+00									
CONCEN (UC/ML)						1.102E-08	2.132E-09	7.616E-09	2.099E-15	5.00E-07
CURIES						5.986E-01	1.120E-01	4.162E+00		
UNCERT(CURIES)						1.530E-01	2.050E-02			
UNCERT(UC/ML)										
% OF TOTAL						0.197	0.550	0.278		
XE-135	3.792E-01									
CONCEN (UC/ML)						8.406E-08	5.585E-09	5.119E-08	1.411E-14	8.00E-08
CURIES						4.568E+00	2.934E-01	2.797E+01		
UNCERT(CURIES)						7.900E-02	1.000E-02			
UNCERT(UC/ML)										
% OF TOTAL						1.501	1.440	1.871		
XE-135M	1.062E-02									
CONCEN (UC/ML)						5.166E-08	2.856E-09	2.514E-08	6.931E-15	5.00E-08
CURIES						2.807E+00	1.500E-01	1.374E+01		
UNCERT(CURIES)						2.190E-01	2.790E-02			
UNCERT(UC/ML)										
% OF TOTAL						0.922	0.736	0.919		

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
XE-138	9.792E-03										
CONCEN (UC/ML)						2.033E-07	1.660E-08	1.300E-07	3.584E-14	2.00E-08	
CURIES						1.105E+01	8.718E-01	7.106E+01			
UNCERT(CURIES)						4.400E-01	5.620E-02				
UNCERT(UC/ML)											
% OF TOTAL						3.630	4.279	4.753			
Y-90	2.667E+00										
CONCEN (UC/ML)			1.188E-15	5.489E-15		1.883E-15		1.815E-15	5.004E-22	1.00E-09	
CURIES			6.100E-08	4.700E-08		1.023E-07		9.921E-07			
UNCERT(CURIES)			1.220E-08	2.400E-08		1.510E-08					
UNCERT(UC/ML)											
% OF TOTAL			0.088	0.320							
Y-91M	3.451E-02										
CONCEN (UC/ML)						3.289E-12	4.470E-12	2.876E-12	7.927E-19	4.00E-08	
CURIES						1.787E-04	2.348E-04	1.572E-03			
UNCERT(CURIES)						7.630E-05	7.590E-05				
UNCERT(UC/ML)											
% OF TOTAL							0.001				
TOTALS											
ALPHA CURIES			2.501E-08			1.971E-09	2.150E-07	6.696E-07			
% OF TOTAL			0.036								
B+G CURIES			4.888E-05	6.951E-05	1.468E-05	1.131E-02	3.044E+02	2.037E+01	1.495E+03		
% OF TOTAL			100.000	99.964	100.000	100.000	100.000	100.000	99.999		
VOLUME (CU. METERS)		4.792E+07	5.134E+07	8.563E+06	5.220E+07	5.434E+07	5.253E+07	5.465E+08			
GRAND TOTALS (CURIES)		4.888E-05	6.954E-05	1.468E-05	1.131E-02	3.044E+02	2.037E+01	1.495E+03			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AM-241	1.577E+05							
CURIES		1.490E-02						1.490E-02
% OF TOTAL		0.113						
GRAMS		4.331E-03						4.331E-03
BA-140	1.276E+01							
CURIES		3.600E-03						3.600E-03
% OF TOTAL		0.027						
C-14	2.092E+06							
CURIES								1.400E-02
% OF TOTAL								
CE-141	3.250E+01							
CURIES		7.900E-03	2.730E-02					3.520E-02
% OF TOTAL		0.060						
CE-144	2.844E+02							
CURIES		1.550E-02	5.614E-01					5.797E-01
% OF TOTAL		0.118	0.001					
CO-58	7.091E+01							
CURIES		1.350E-02	2.021E-01	7.200E-03				5.223E+00
% OF TOTAL		0.103		0.755				0.002
CO-60	1.924E+03							
CURIES		5.164E-01	2.843E+02	4.537E-02				1.134E+03
% OF TOTAL		3.932	0.290	4.759				0.380
CR-51	2.770E+01							
CURIES		2.000E+00	6.443E-01	8.813E-01				4.672E+01
% OF TOTAL		15.227	0.001	92.441				0.016
CS-134	7.537E+02							
CURIES		3.189E-02	7.290E-02	3.000E-04				1.060E-01
% OF TOTAL		0.243		0.031				
CS-137	1.101E+04							
CURIES		1.261E+00	2.086E-01					1.475E+00
% OF TOTAL		9.601						
EU-154	3.103E+03							
CURIES		1.760E-02						1.760E-02
% OF TOTAL		0.134						
FE-55	9.782E+02							
CURIES								6.900E+02
% OF TOTAL								0.231

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
H-3	4.490E+03							
CURIES		6.200E-03	9.682E+04					2.930E+05
% OF TOTAL		0.047	98.668					98.273
HF-181	4.240E+01							
CURIES		1.500E-03	2.740E-02					3.480E-02
% OF TOTAL		0.011						
I-131	8.040E+00							
CURIES				2.000E-04				6.600E-03
% OF TOTAL				0.021				
IR-192	7.383E+01							
CURIES		1.900E-03						1.900E-03
% OF TOTAL		0.014						
LA-140	1.678E+00							
CURIES		3.600E-03						3.600E-03
% OF TOTAL		0.027						
MN-54	3.122E+02							
CURIES		2.110E-02	1.445E-01					8.317E+01
% OF TOTAL		0.161						0.028
MO-99	2.747E+00							
CURIES				1.900E-02				1.900E-02
% OF TOTAL				1.993				
NB-94	7.300E+06							
CURIES								9.000E-07
% OF TOTAL								
NB-95	3.498E+01							
CURIES		1.330E-02	9.520E-02					1.521E-01
% OF TOTAL		0.101						
NI-59	2.774E+07							
CURIES								1.120E-01
% OF TOTAL								
NI-63	3.650E+04							
CURIES			1.020E+03					3.075E+03
% OF TOTAL			1.039					1.031
PR-144	1.200E-02							
CURIES			2.537E-01					2.537E-01
% OF TOTAL								

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
RU-103 CURIES % OF TOTAL	3.924E+01	3.900E-03 0.030						5.600E-03
SB-124 CURIES % OF TOTAL	6.020E+01							5.000E-04
SB-125 CURIES % OF TOTAL	1.007E+03							5.000E+00 0.002
SC-46 CURIES % OF TOTAL	8.382E+01		4.600E-03					5.600E-03
SE-75 CURIES % OF TOTAL	1.198E+02							9.000E-03
SN-119M CURIES % OF TOTAL	2.930E+02							1.500E+01 0.005
SR-89 CURIES % OF TOTAL	5.052E+01	8.015E-01 6.102						8.015E-01
SR-90 CURIES % OF TOTAL	1.059E+04	8.241E+00 62.742	2.816E-01					8.526E+00 0.003
TC-99 CURIES % OF TOTAL	7.775E+07							2.500E-05
ZN-65 CURIES % OF TOTAL	2.438E+02	1.494E-01 1.137	3.223E-01					8.247E+01 0.028
ZR-95 CURIES % OF TOTAL	6.403E+01	9.000E-03 0.069	7.080E-02					8.730E-02

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

ATR DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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TRA/ATR-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS								
ALPHA CURIES		1.490E-02						1.490E-02
% OF TOTAL		0.113						
B+G CURIES		1.312E+01	9.813E+04	9.534E-01				2.982E+05
% OF TOTAL		99.887	100.000	100.000				100.000
TOTAL GRAMS OF AM		0						0
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		5.945E+00	6.709E+00	3.398E+00				2.429E+01
WEIGHT (KILOGRAMS)		6.350E+03	8.459E+03	7.710E+03				3.160E+04

GRAND TOTALS (CURIES)		1.313E+01	9.813E+04	9.534E-01				2.982E+05

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

CHEM LAB ADD. AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		5.839E-16	-4.777E-16	-9.656E-17	-1.958E-17	-2.485E-16	6.296E-16	9.756E-17	2.077E-23	
CURIES		4.980E-09	-4.210E-09	-8.510E-10	-1.670E-10	-2.190E-09	5.370E-09	1.021E-08		
UNCERT(CURIES)		1.690E-09	1.970E-09	1.570E-09	2.040E-09	2.330E-09	2.960E-09			
UNCERT(UC/ML)										
% OF TOTAL		32.592	-194.907	-10.072	-1.527	-18.084	15.996	7.409		
GROSS-BETA										
CONCEN (UC/ML)		1.208E-15	7.228E-16	1.055E-15	1.301E-15	1.623E-15	3.306E-15	1.219E-15	2.595E-22	
CURIES		1.030E-08	6.370E-09	9.300E-09	1.110E-08	1.430E-08	2.820E-08	1.276E-07		
UNCERT(CURIES)		2.800E-09	3.309E-09	2.890E-09	3.030E-09	3.750E-09	4.100E-09			
UNCERT(UC/ML)										
% OF TOTAL		67.408	294.907	110.072	101.528	118.084	84.004	92.591		
TOTALS										
ALPHA CURIES		4.980E-09	-4.210E-09	-8.510E-10	-1.670E-10	-2.190E-09	5.370E-09	1.021E-08		
% OF TOTAL		32.592	-194.907	-10.072	-1.527	-18.084	15.996	7.409		
B+G CURIES		1.030E-08	6.370E-09	9.300E-09	1.110E-08	1.430E-08	2.820E-08	1.276E-07		
% OF TOTAL		67.408	294.907	110.072	101.528	118.084	84.004	92.591		
VOLUME (CU. METERS)		8.529E+06	8.813E+06	8.813E+06	8.529E+06	8.813E+06	8.529E+06	1.046E+08		
GRAND TOTALS (CURIES)		1.528E-08	2.160E-09	8.449E-09	1.093E-08	1.211E-08	3.357E-08	1.378E-07		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
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ETR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA										
CONCEN (UC/ML)								3.056E-16	4.310E-23	
CURIES								7.650E-09		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.919		
GROSS-BETA										
CONCEN (UC/ML)								3.296E-14	4.648E-21	
CURIES								8.250E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								99.081		
TOTALS										
ALPHA CURIES								7.650E-09		
% OF TOTAL								0.919		
B+G CURIES								8.250E-07		
% OF TOTAL								99.081		
VOLUME (CU. METERS)								2.503E+07		

GRAND TOTALS (CURIES)								8.326E-07		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
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RUN DATE: 05/11/94

 ETR DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1993

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 TRA/ETR-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AM-241	1.577E+05							
CURIES								7.540E-08
% OF TOTAL								1.587
GRAMS								2.192E-08
CM-242	1.630E+02							
CURIES								8.000E-10
% OF TOTAL								0.017
CM-244	6.610E+03							
CURIES								1.360E-08
% OF TOTAL								0.286
PU-238	3.203E+04							
CURIES								4.280E-06
% OF TOTAL								90.109
GRAMS								2.503E-07
PU-239	8.800E+06							
CURIES								3.800E-07
% OF TOTAL								8.000
GRAMS								6.119E-06
TOTALS								
ALPHA CURIES								4.750E-06
% OF TOTAL								100.000
B+G CURIES								
% OF TOTAL								
TOTAL GRAMS OF AM								2.192E-08
TOTAL GRAMS OF PU								6.369E-06
TOTAL GRAMS OF PU-239+241								6.119E-06
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								3.620E+00
WEIGHT (KILOGRAMS)								3.856E+02
GRAND TOTALS (CURIES)								4.750E-06

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

MTR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CO-60	1.924E+03										
CONCEN (UC/ML)				4.370E-14		1.285E-14		1.641E-14	1.477E-21	8.00E-11	
CURIES				6.630E-07		1.950E-07		2.976E-06			
UNCERT(CURIES)				6.500E-08		2.870E-08					
UNCERT(UC/ML)											
% OF TOTAL				23.299		26.186		16.703			
CR-51	2.770E+01										
CONCEN (UC/ML)							1.485E-13	1.202E-14	1.082E-21	5.00E-08	
CURIES							2.180E-06	2.180E-06			
UNCERT(CURIES)							2.600E-07				
UNCERT(UC/ML)											
% OF TOTAL							78.903	12.235			
CS-137	1.101E+04										
CONCEN (UC/ML)								4.726E-16	4.254E-23	4.00E-10	
CURIES								8.570E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL								0.481			
GROSS-ALPHA											
CONCEN (UC/ML)		-9.946E-16	-1.068E-15	-4.904E-16	1.410E-15	-4.825E-16	4.693E-15	1.523E-16	1.371E-23		
CURIES		-1.460E-08	-1.620E-08	-7.440E-09	2.070E-08	-7.320E-09	6.890E-08	2.762E-08			
UNCERT(CURIES)		8.210E-09	8.240E-09	7.050E-09	1.040E-08	1.020E-08	1.420E-08				
UNCERT(UC/ML)											
% OF TOTAL		-6.229	-4.579	-0.261	1.499	-0.983	2.494	0.155			
GROSS-BETA											
CONCEN (UC/ML)		1.696E-14	2.439E-14	1.444E-13	9.264E-14	3.672E-14	3.501E-14	6.764E-14	6.088E-21		
CURIES		2.490E-07	3.700E-07	2.190E-06	1.360E-06	5.570E-07	5.140E-07	1.227E-05			
UNCERT(CURIES)		1.890E-08	2.210E-08	7.160E-08	4.990E-08	2.870E-08	3.200E-08				
UNCERT(UC/ML)											
% OF TOTAL		106.229	104.579	76.962	98.501	74.797	18.604	68.843			
SR-90	1.059E+04										
CONCEN (UC/ML)								7.775E-16	6.999E-23	9.00E-12	
CURIES								1.410E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL								0.791			
Y-90	2.667E+00										
CONCEN (UC/ML)								7.775E-16	6.999E-23	1.00E-09	
CURIES								1.410E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL								0.791			

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IDAHO OPERATIONS OFFICE
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MTR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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TRA/TRA-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
TOTALS										
ALPHA CURIES		-1.460E-08	-1.620E-08	-7.440E-09	2.070E-08	-7.320E-09	6.890E-08	2.762E-08		
% OF TOTAL		-6.229	-4.579	-0.261	1.499	-0.983	2.494	0.155		
B+G CURIES		2.490E-07	3.700E-07	2.853E-06	1.360E-06	7.520E-07	2.694E-06	1.779E-05		
% OF TOTAL		106.229	104.579	100.261	98.501	100.983	97.506	99.845		
VOLUME (CU. METERS)		1.468E+07	1.517E+07	1.517E+07	1.468E+07	1.517E+07	1.468E+07	1.813E+08		
GRAND TOTALS (CURIES)		2.344E-07	3.538E-07	2.846E-06	1.381E-06	7.447E-07	2.763E-06	1.782E-05		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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TRA HOT CELL AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		-2.006E-15	-1.832E-15	6.090E-15	-1.925E-15	1.069E-15	1.325E-15	2.231E-15	8.213E-23	
CURIES		-8.100E-09	-7.640E-09	2.540E-08	-7.770E-09	4.460E-09	5.350E-09	1.105E-07		
UNCERT(CURIES)		4.260E-09	4.350E-09	5.430E-09	4.550E-09	6.520E-09	6.230E-09			
UNCERT(UC/ML)										
% OF TOTAL		-71.053	-62.316	35.775	-22.900	12.100	218.367	17.117		
GROSS-BETA										
CONCEN (UC/ML)		4.830E-15	4.771E-15	1.093E-14	1.033E-14	7.768E-15	-7.184E-16	1.080E-14	3.977E-22	
CURIES		1.950E-08	1.990E-08	4.560E-08	4.170E-08	3.240E-08	-2.900E-09	5.350E-07		
UNCERT(CURIES)		6.460E-09	7.640E-09	7.570E-09	7.780E-09	9.170E-09	7.710E-09			
UNCERT(UC/ML)										
% OF TOTAL		171.053	162.316	64.225	122.900	87.900	-118.367	82.883		
TOTALS										
ALPHA CURIES		-8.100E-09	-7.640E-09	2.540E-08	-7.770E-09	4.460E-09	5.350E-09	1.105E-07		
% OF TOTAL		-71.053	-62.316	35.775	-22.900	12.100	218.367	17.117		
B+G CURIES		1.950E-08	1.990E-08	4.560E-08	4.170E-08	3.240E-08	-2.900E-09	5.350E-07		
% OF TOTAL		171.053	162.316	64.225	122.900	87.900	-118.367	82.883		
VOLUME (CU. METERS)		4.037E+06	4.171E+06	4.171E+06	4.037E+06	4.171E+06	4.037E+06	4.952E+07		

GRAND TOTALS (CURIES)		1.140E-08	1.226E-08	7.100E-08	3.393E-08	3.686E-08	2.450E-09	6.455E-07		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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U.S. DEPARTMENT OF ENERGY
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TRA HOT CELL SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993PAGE 1 RPT. 124
TRA-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AG-108M CURIES % OF TOTAL	4.745E+04		1.060E-07 0.124					1.060E-07 0.124
AM-241 CURIES % OF TOTAL GRAMS	1.577E+05		5.620E-08 0.066 1.634E-08					5.620E-08 0.066 1.634E-08
CO-60 CURIES % OF TOTAL	1.924E+03	2.910E-12 5.916	2.090E-05 24.531					2.090E-05 24.531
CS-134 CURIES % OF TOTAL	7.537E+02		4.210E-07 0.494					4.210E-07 0.494
CS-137 CURIES % OF TOTAL	1.101E+04	4.120E-11 83.757	6.300E-05 73.945					6.300E-05 73.945
EU-152 CURIES % OF TOTAL	4.891E+03	1.090E-12 2.216	6.820E-08 0.080					6.820E-08 0.080
EU-154 CURIES % OF TOTAL	3.103E+03	3.120E-12 6.343	1.690E-07 0.198					1.690E-07 0.198
EU-155 CURIES % OF TOTAL	1.727E+03	8.700E-13 1.769						8.700E-13
SB-125 CURIES % OF TOTAL	1.007E+03		2.180E-08 0.026					2.180E-08 0.026
U-234 CURIES % OF TOTAL GRAMS	8.943E+07		4.340E-07 0.509 6.955E-05					4.340E-07 0.509 6.955E-05
U-235 CURIES % OF TOTAL GRAMS	2.570E+11		2.270E-08 0.027 1.051E-02					2.270E-08 0.027 1.051E-02

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
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TRA HOT CELL SOLID WASTE SUMMARY
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TRA-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS								
ALPHA CURIES			5.129E-07					5.129E-07
% OF TOTAL			0.602					0.602
B+G CURIES		4.919E-11	8.469E-05					8.469E-05
% OF TOTAL		100.000	99.398					99.398
TOTAL GRAMS OF AM			1.634E-08					1.634E-08
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U			1.058E-02					1.058E-02
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		1.890E-02	4.164E-01					4.353E-01
WEIGHT (KILOGRAMS)		4.060E+01	5.040E+01					9.100E+01

GRAND TOTALS (CURIES)		4.919E-11	8.520E-05					8.520E-05

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IDAHO OPERATIONS OFFICE
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TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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TRA-L

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
CE-141	3.250E+01									
CONCEN (UC/ML)								7.171E-08	5.00E-05	0.14
CURIES								5.068E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.004		
CE-144	2.844E+02									
CONCEN (UC/ML)			3.863E-07					1.228E-07	7.00E-06	1.75
CURIES			2.663E-03					8.680E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)			1.100E-07							
% OF TOTAL			0.268					0.007		
CO-58	7.091E+01									
CONCEN (UC/ML)		3.080E-07	1.449E-07					4.075E-07	4.00E-05	1.02
CURIES		2.900E-03	9.985E-04					2.880E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)		2.500E-08	4.200E-08							
% OF TOTAL		0.270	0.101					0.022		
CO-60	1.924E+03									
CONCEN (UC/ML)		2.530E-05	9.165E-05	1.840E-05	1.800E-05	2.310E-05	6.190E-05	2.901E-05	5.00E-06	580.25
CURIES		2.383E-01	6.318E-01	8.148E-02	5.870E-02	6.304E-02	1.180E-01	2.051E+00		*****
UNCERT(CURIES)										
UNCERT(UC/ML)		1.000E-07	1.200E-06	1.000E-07	1.000E-07	1.000E-07	2.000E-07			
% OF TOTAL		22.207	63.690	13.228	5.020	0.481	1.141	1.600		
CR-51	2.770E+01									
CONCEN (UC/ML)		7.550E-06	3.191E-06	6.850E-07	5.660E-07	1.640E-05	1.920E-04	2.518E-05	1.00E-03	2.52
CURIES		7.110E-02	2.200E-02	3.033E-03	1.846E-03	4.476E-02	3.660E-01	1.780E+00		
UNCERT(CURIES)										
UNCERT(UC/ML)		1.500E-07	8.700E-07	9.600E-08	1.600E-07	4.000E-07	1.000E-06			
% OF TOTAL		6.627	2.217	0.492	0.158	0.341	3.539	1.389		
CS-134	7.537E+02									
CONCEN (UC/ML)								1.673E-08	2.00E-06	0.84
CURIES								1.182E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.001		
CS-137	1.101E+04									
CONCEN (UC/ML)		2.230E-06	1.798E-06	2.520E-06				1.112E-06	3.00E-06	37.05
CURIES		2.100E-02	1.240E-02	1.116E-02				7.856E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)		5.000E-08	2.300E-07	5.000E-08						
% OF TOTAL		1.957	1.250	1.812				0.061		

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TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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TRA-L

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)								7.074E-08		
CURIES								5.000E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.004		
GROSS-BETA										
CONCEN (UC/ML)		2.100E-05	1.602E-05	2.300E-05	1.400E-05	1.300E-05	5.400E-05	2.311E-05		
CURIES		1.978E-01	1.104E-01	1.018E-01	4.565E-02	3.548E-02	1.029E-01	1.634E+00		
UNCERT(CURIES)										
UNCERT(UC/ML)		3.000E-06	4.000E-06	3.900E-06	2.000E-06	2.000E-06	8.100E-06			
% OF TOTAL		18.433	11.134	16.535	3.905	0.271	0.995	1.275		
H-3										
CONCEN (UC/ML)	4.490E+03	5.600E-05	2.358E-05	8.500E-05	3.200E-04	4.700E-03	5.070E-03	1.726E-03	2.00E-03	86.32
CURIES		5.274E-01	1.625E-01	3.764E-01	1.044E+00	1.283E+01	9.663E+00	1.220E+02		
UNCERT(CURIES)										
UNCERT(UC/ML)		3.000E-06	2.030E-06	4.300E-06	3.000E-05	1.000E-04	1.500E-04			
% OF TOTAL		49.154	16.384	61.108	89.246	97.841	93.461	95.204		
MN-54										
CONCEN (UC/ML)	3.122E+02		5.192E-07	6.620E-07	7.140E-07		1.010E-06	1.523E-07	5.00E-05	0.30
CURIES			3.579E-03	2.931E-03	2.328E-03		1.925E-03	1.076E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)			2.170E-07	3.400E-08	5.100E-08		8.000E-08			
% OF TOTAL			0.361	0.476	0.199		0.019	0.008		
NA-24										
CONCEN (UC/ML)	6.237E-01					4.880E-05	4.400E-05	3.392E-06	1.00E-04	3.39
CURIES						1.332E-01	8.386E-02	2.398E-01		
UNCERT(CURIES)										
UNCERT(UC/ML)						5.000E-07	4.000E-07			
% OF TOTAL						1.016	0.811	0.187		
NB-95										
CONCEN (UC/ML)	3.498E+01		2.117E-07					2.065E-08	6.00E-05	0.03
CURIES			1.459E-03					1.459E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)			1.300E-07							
% OF TOTAL			0.147					0.001		
SB-124										
CONCEN (UC/ML)	6.020E+01							2.182E-08	1.00E-05	0.22
CURIES								1.542E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.001		

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1993PAGE 3 RPT. 105
TRA-L

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
SR-89	5.052E+01									
CONCEN (UC/ML)						4.000E-08		1.544E-09	2.00E-05	0.01
CURIES						1.092E-04		1.092E-04		
UNCERT(CURIES)										
UNCERT(UC/ML)						4.000E-09				
% OF TOTAL						0.001				
SR-90	1.059E+04									
CONCEN (UC/ML)			2.278E-06	2.970E-06	8.700E-07	2.780E-07		1.576E-06	1.00E-06	157.60
CURIES			1.570E-02	1.315E-02	2.837E-03	7.587E-04		1.114E-01		*****
UNCERT(CURIES)										
UNCERT(UC/ML)			1.500E-07	1.800E-07	5.000E-08	1.600E-08				
% OF TOTAL			1.583	2.135	0.243	0.006		0.087		
TA-182	1.145E+02									
CONCEN (UC/ML)								1.456E-08	2.00E-05	0.07
CURIES								1.029E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.001		
Y-90	2.667E+00									
CONCEN (UC/ML)			2.278E-06	2.970E-06	8.700E-07	2.780E-07		1.576E-06	1.00E-05	15.76
CURIES			1.570E-02	1.315E-02	2.837E-03	7.587E-04		1.114E-01		
UNCERT(CURIES)										
UNCERT(UC/ML)			1.500E-07	1.800E-07	5.000E-08	1.600E-08				
% OF TOTAL			1.583	2.135	0.243	0.006		0.087		
ZN-65	2.438E+02									
CONCEN (UC/ML)		1.540E-06	1.664E-06	2.890E-06	3.540E-06	1.820E-06	1.830E-06	1.085E-06	9.00E-06	12.05
CURIES		1.450E-02	1.147E-02	1.280E-02	1.154E-02	4.967E-03	3.488E-03	7.668E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)		8.000E-08	5.000E-07	1.000E-07	1.700E-07	2.600E-07	2.300E-07			
% OF TOTAL		1.352	1.156	2.078	0.987	0.038	0.034	0.060		
ZR-95	6.403E+01									
CONCEN (UC/ML)			1.824E-07					1.779E-08	4.00E-05	0.04
CURIES			1.257E-03					1.257E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)			2.100E-07							
% OF TOTAL			0.127					0.001		

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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TRA-L

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
TOTALS										
ALPHA CURIES								5.000E-03		
% OF TOTAL								0.004		
B+G CURIES		1.073E+00	9.920E-01	6.159E-01	1.169E+00	1.311E+01	1.034E+01	1.282E+02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.996		
VOLUME (LITERS)		9.417E+06	6.893E+06	4.428E+06	3.261E+06	2.729E+06	1.906E+06	7.068E+07		

GRAND TOTALS (CURIES)		1.073E+00	9.920E-01	6.159E-01	1.169E+00	1.311E+01	1.034E+01	1.282E+02		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February8, 1990, Figures III-1 and III-3

*** The CG limit is being approached or has been exceeded during the current month. Please verify the accuracy of the reported data. If the data is in error, please send correct data to Waste Information.

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**TRA Facility Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ALPHA LAB AIR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		-2.105E-16	-2.545E-16	5.359E-17	-5.407E-16	1.552E-16	1.072E-16	-1.164E-16	-2.478E-23	
CURIES		-4.400E-09	-5.320E-09	1.120E-09	-1.130E-08	3.140E-09	2.240E-09	-1.452E-08		
UNCERT(CURIES)		6.600E-09	5.890E-09	5.880E-09	5.880E-09	3.230E-09	4.680E-09			
UNCERT(UC/ML)										
% OF TOTAL		-4.757	-3.921	1.277	-28.250	5.736	2.714	-2.944		
GROSS-BETA										
CONCEN (UC/ML)		4.636E-15	6.746E-15	4.144E-15	2.455E-15	2.551E-15	3.842E-15	4.070E-15	8.664E-22	
CURIES		9.690E-08	1.410E-07	8.660E-08	5.130E-08	5.160E-08	8.030E-08	5.077E-07		
UNCERT(CURIES)		9.550E-09	1.050E-08	9.480E-09	9.240E-09	7.260E-09	9.180E-09			
UNCERT(UC/ML)										
% OF TOTAL		104.757	103.921	98.723	128.250	94.264	97.286	102.944		
TOTALS										
ALPHA CURIES		-4.400E-09	-5.320E-09	1.120E-09	-1.130E-08	3.140E-09	2.240E-09	-1.452E-08		
% OF TOTAL		-4.757	-3.921	1.277	-28.250	5.736	2.714	-2.944		
B+G CURIES		9.690E-08	1.410E-07	8.660E-08	5.130E-08	5.160E-08	8.030E-08	5.077E-07		
% OF TOTAL		104.757	103.921	98.723	128.250	94.264	97.286	102.944		
VOLUME (CU. METERS)		2.090E+07	2.090E+07	2.090E+07	2.090E+07	2.023E+07	2.090E+07	1.247E+08		
<hr/>										
GRAND TOTALS (CURIES)		9.250E-08	1.357E-07	8.772E-08	4.000E-08	5.474E-08	8.254E-08	4.932E-07		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ATR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
AR-41	7.625E-02										
CONCEN (UC/ML)		6.654E-06	3.232E-06	4.918E-06	3.979E-06	5.508E-07		3.663E-06	1.010E-12	1.00E-08	0.01
CURIES		3.458E+02	1.672E+02	2.421E+02	2.373E+02	3.188E+01		1.024E+03			
UNCERT(CURIES)		9.000E-01	5.000E-01	7.000E-01	7.000E-01	2.400E-01					
UNCERT(UC/ML)											
% OF TOTAL		85.755	88.119	88.408	88.979	86.646		87.522			
BA-139	5.771E-02										
CONCEN (UC/ML)		2.001E-10	1.340E-10	1.255E-10	1.210E-10	2.460E-10		1.608E-10	4.434E-17	7.00E-08	
CURIES		1.040E-02	6.935E-03	6.179E-03	7.218E-03	1.424E-02		4.497E-02			
UNCERT(CURIES)		2.000E-04	1.810E-04	1.870E-04	1.980E-04	3.800E-04					
UNCERT(UC/ML)											
% OF TOTAL		0.003	0.004	0.002	0.003	0.039		0.004			
BA-140	1.276E+01										
CONCEN (UC/ML)		1.201E-13						2.233E-14	6.155E-21	3.00E-09	
CURIES		6.243E-06						6.243E-06			
UNCERT(CURIES)		1.690E-06									
UNCERT(UC/ML)											
% OF TOTAL											
CO-58	7.091E+01										
CONCEN (UC/ML)											
CURIES						1.379E-14		2.854E-15	7.868E-22	2.00E-09	
UNCERT(CURIES)						7.981E-07		7.981E-07			
UNCERT(UC/ML)						1.620E-07					
% OF TOTAL											
CO-60	1.924E+03										
CONCEN (UC/ML)			8.790E-14	5.842E-14	3.712E-14		9.366E-12	3.405E-13	9.384E-20	8.00E-11	
CURIES			4.548E-06	2.876E-06	2.214E-06		8.555E-05	9.519E-05			
UNCERT(CURIES)			6.380E-07	6.370E-07	5.630E-07		1.260E-06				
UNCERT(UC/ML)											
% OF TOTAL							65.136				
CR-51	2.770E+01										
CONCEN (UC/ML)		1.165E-11	1.489E-11	2.238E-11	1.208E-11	2.706E-12	3.931E-12	1.213E-11	3.343E-18	5.00E-08	
CURIES		6.053E-04	7.706E-04	1.102E-03	7.205E-04	1.566E-04	3.591E-05	3.391E-03			
UNCERT(CURIES)		8.900E-06	1.020E-05	1.500E-05	1.090E-05	8.200E-06	2.660E-06				
UNCERT(UC/ML)											
% OF TOTAL							27.341				
CS-137	1.101E+04										
CONCEN (UC/ML)					2.887E-14		8.423E-14	8.911E-15	2.456E-21	4.00E-10	
CURIES					1.722E-06		7.694E-07	2.491E-06			
UNCERT(CURIES)					5.860E-07		2.100E-07				
UNCERT(UC/ML)											
% OF TOTAL							0.586				

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ATR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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TRA/ATR-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CS-138	2.236E-02										
CONCEN (UC/ML)		2.398E-09	1.655E-09	1.804E-09	1.593E-09	3.058E-09		2.043E-09	5.630E-16	8.00E-09	
CURIES		1.246E-01	8.564E-02	8.883E-02	9.503E-02	1.770E-01		5.711E-01			
UNCERT(CURIES)		1.500E-03	1.290E-03	1.210E-03	1.290E-03	3.000E-03					
UNCERT(UC/ML)											
% OF TOTAL		0.031	0.045	0.032	0.036	0.481		0.049			
GROSS-ALPHA											
CONCEN (UC/ML)			5.195E-15	3.226E-15				1.529E-15	4.215E-22		
CURIES			2.688E-07	1.588E-07				4.276E-07			
UNCERT(CURIES)			7.680E-08	3.970E-08							
UNCERT(UC/ML)											
% OF TOTAL											
GROSS-BETA											
CONCEN (UC/ML)		1.252E-13	1.484E-12		2.022E-12	4.157E-13		8.153E-13	2.247E-19		
CURIES		6.507E-06	7.679E-05		1.206E-04	2.406E-05		2.280E-04			
UNCERT(CURIES)		1.080E-06	1.150E-05		3.100E-06	8.400E-07					
UNCERT(UC/ML)											
% OF TOTAL											
HF-181	4.240E+01										
CONCEN (UC/ML)							3.881E-13	1.268E-14	3.495E-21	9.00E-10	
CURIES							3.545E-06	3.545E-06			
UNCERT(CURIES)							2.320E-07				
UNCERT(UC/ML)											
% OF TOTAL							2.699				
HG-203	4.659E+01										
CONCEN (UC/ML)		2.471E-13	1.723E-13	3.845E-13	1.614E-13	1.843E-13	6.094E-13	2.380E-13	6.560E-20	2.00E-09	
CURIES		1.284E-05	8.914E-06	1.893E-05	9.625E-06	1.067E-05	5.566E-06	6.655E-05			
UNCERT(CURIES)		1.190E-06	1.160E-06	1.480E-06	1.590E-06	1.260E-06	6.680E-07				
UNCERT(UC/ML)											
% OF TOTAL							4.238				
I-131	8.040E+00										
CONCEN (UC/ML)		6.263E-13	2.393E-13	4.369E-13	3.104E-13	8.207E-14		3.208E-13	8.843E-20	4.00E-10	
CURIES		3.255E-05	1.238E-05	2.151E-05	1.851E-05	4.750E-06		8.970E-05			
UNCERT(CURIES)		3.370E-06	2.970E-06	2.670E-06	2.800E-06	1.580E-06					
UNCERT(UC/ML)											
% OF TOTAL											
I-132	9.500E-02										
CONCEN (UC/ML)		1.199E-11	9.467E-12					3.980E-12	1.097E-18	8.00E-09	
CURIES		6.231E-04	4.898E-04					1.113E-03			
UNCERT(CURIES)		1.690E-04	1.630E-04								
UNCERT(UC/ML)											
% OF TOTAL											

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ATR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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TRA/ATR-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
I-133	8.667E-01									
CONCEN (UC/ML)		2.057E-12	1.858E-12	8.060E-13	1.759E-12	4.877E-13		1.344E-12	3.705E-19	2.00E-09
CURIES		1.069E-04	9.612E-05	3.968E-05	1.049E-04	2.823E-05		3.758E-04		
UNCERT(CURIES)		2.210E-05	2.150E-05	1.330E-05	2.130E-05	1.120E-05				
UNCERT(UC/ML)										
% OF TOTAL										
KR-85M	1.867E-01									
CONCEN (UC/ML)		5.014E-08	1.920E-08	3.061E-08	2.223E-08	3.535E-09		2.374E-08	6.543E-15	1.00E-07
CURIES		2.606E+00	9.934E-01	1.507E+00	1.326E+00	2.046E-01		6.637E+00		
UNCERT(CURIES)		6.500E-02	3.790E-02	4.400E-02	4.300E-02	1.850E-02				
UNCERT(UC/ML)										
% OF TOTAL		0.646	0.524	0.550	0.497	0.556		0.567		
KR-87	5.278E-02									
CONCEN (UC/ML)		1.637E-07	6.448E-08	9.230E-08	6.563E-08	1.044E-08		7.478E-08	2.061E-14	2.00E-08
CURIES		8.509E+00	3.336E+00	4.544E+00	3.914E+00	6.041E-01		2.091E+01		
UNCERT(CURIES)		1.700E-01	9.400E-02	1.220E-01	1.030E-01	4.590E-02				
UNCERT(UC/ML)										
% OF TOTAL		2.110	1.758	1.659	1.468	1.642		1.786		
KR-88	1.183E-01									
CONCEN (UC/ML)		1.626E-07	5.850E-08	8.062E-08	7.217E-08	1.094E-08		7.291E-08	2.010E-14	9.00E-09
CURIES		8.452E+00	3.027E+00	3.969E+00	4.304E+00	6.330E-01		2.038E+01		
UNCERT(CURIES)		1.600E-01	1.520E-01	1.910E-01	1.100E-01	7.810E-02				
UNCERT(UC/ML)										
% OF TOTAL		2.096	1.595	1.449	1.614	1.720		1.742		
LA-140	1.678E+00									
CONCEN (UC/ML)		1.642E-13						3.051E-14	8.410E-21	3.00E-09
CURIES		8.531E-06						8.531E-06		
UNCERT(CURIES)		1.910E-06								
UNCERT(UC/ML)										
% OF TOTAL										
NA-24	6.237E-01									
CONCEN (UC/ML)		1.238E-11	5.220E-11	1.056E-11	8.032E-12	4.627E-12		1.649E-11	4.546E-18	4.00E-09
CURIES		6.432E-04	2.701E-03	5.199E-04	4.790E-04	2.678E-04		4.611E-03		
UNCERT(CURIES)		1.390E-05	3.200E-05	1.660E-05	1.760E-05	5.620E-05				
UNCERT(UC/ML)										
% OF TOTAL			0.001			0.001				
RB-86	1.229E-02									
CONCEN (UC/ML)		1.893E-09	1.030E-09	1.479E-09	1.146E-09	2.080E-09		1.478E-09	4.074E-16	3.00E-08
CURIES		9.839E-02	5.331E-02	7.281E-02	6.835E-02	1.204E-01		4.133E-01		
UNCERT(CURIES)		5.460E-03	4.520E-03	1.220E-02	1.200E-02	8.100E-03				
UNCERT(UC/ML)										
% OF TOTAL		0.024	0.028	0.027	0.026	0.327		0.035		

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

ATR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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TRA/ATR-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
RB-89	1.056E-02										
CONCEN (UC/ML)		2.750E-09	1.398E-09	2.008E-09	1.548E-09	3.018E-09		2.078E-09	5.729E-16	9.00E-09	
CURIES		1.429E-01	7.235E-02	9.883E-02	9.233E-02	1.747E-01		5.811E-01			
UNCERT(CURIES)		3.400E-03	3.340E-03	5.070E-03	4.510E-03	5.500E-03					
UNCERT(UC/ML)											
% OF TOTAL		0.035	0.038	0.036	0.035	0.475		0.050			
RE-188	7.075E-01										
CONCEN (UC/ML)				6.803E-13				1.198E-13	3.302E-20	6.00E-09	
CURIES				3.349E-05				3.349E-05			
UNCERT(CURIES)				8.020E-06							
UNCERT(UC/ML)											
% OF TOTAL											
SR-90	1.059E+04										
CONCEN (UC/ML)			9.648E-16	9.354E-15	4.551E-15			2.796E-15	7.707E-22	9.00E-12	
CURIES			4.992E-08	4.605E-07	2.714E-07			7.818E-07			
UNCERT(CURIES)			1.540E-08	3.170E-08	2.140E-08						
UNCERT(UC/ML)											
% OF TOTAL											
TC-99M	2.504E-01										
CONCEN (UC/ML)		5.469E-12	1.019E-11	8.966E-12	6.392E-12	1.427E-12		6.140E-12	1.692E-18	1.00E-07	
CURIES		2.842E-04	5.272E-04	4.414E-04	3.812E-04	8.258E-05		1.717E-03			
UNCERT(CURIES)		8.300E-06	9.500E-06	8.800E-06	1.010E-05	8.020E-06					
UNCERT(UC/ML)											
% OF TOTAL											
XE-133	5.250E+00										
CONCEN (UC/ML)		2.788E-08	1.087E-08	1.869E-08	8.722E-09			1.235E-08	3.403E-15	5.00E-07	
CURIES		1.449E+00	5.622E-01	9.202E-01	5.202E-01			3.452E+00			
UNCERT(CURIES)		1.850E-01	1.120E-01	1.480E-01	1.600E-01						
UNCERT(UC/ML)											
% OF TOTAL		0.359	0.296	0.336	0.195			0.295			
XE-135	3.792E-01										
CONCEN (UC/ML)		1.711E-07	6.674E-08	1.092E-07	7.928E-08	1.150E-08		8.267E-08	2.279E-14	8.00E-08	
CURIES		8.890E+00	3.453E+00	5.376E+00	4.728E+00	6.658E-01		2.311E+01			
UNCERT(CURIES)		8.900E-02	5.100E-02	6.700E-02	5.300E-02	2.260E-02					
UNCERT(UC/ML)											
% OF TOTAL		2.205	1.820	1.963	1.773	1.810		1.975			
XE-135M	1.062E-02										
CONCEN (UC/ML)		7.962E-08	2.681E-08	5.322E-08	3.697E-08	7.495E-09		3.857E-08	1.063E-14	5.00E-08	
CURIES		4.138E+00	1.387E+00	2.620E+00	2.205E+00	4.338E-01		1.078E+01			
UNCERT(CURIES)		2.060E-01	1.210E-01	1.520E-01	1.310E-01	5.570E-02					
UNCERT(UC/ML)											
% OF TOTAL		1.026	0.731	0.957	0.827	1.179		0.921			

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ATR AIRBORNE WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
XE-138	9.792E-03										
CONCEN (UC/ML)		4.429E-07	1.848E-07	2.547E-07	2.034E-07	3.257E-08		2.115E-07	5.830E-14	2.00E-08	
CURIES		2.302E+01	9.562E+00	1.254E+01	1.213E+01	1.885E+00		5.914E+01			
UNCERT(CURIES)		4.100E-01	2.440E-01	3.000E-01	2.600E-01	1.590E-01					
UNCERT(UC/ML)											
% OF TOTAL		5.709	5.039	4.579	4.548	5.123		5.053			
Y-90	2.667E+00										
CONCEN (UC/ML)			9.648E-16	9.354E-15	4.551E-15			2.796E-15	7.707E-22	1.00E-09	
CURIES			4.992E-08	4.605E-07	2.714E-07			7.818E-07			
UNCERT(CURIES)			1.540E-08	3.170E-08	2.140E-08						
UNCERT(UC/ML)											
% OF TOTAL											
Y-91M	3.451E-02										
CONCEN (UC/ML)		4.610E-12	4.936E-12		4.229E-12	7.101E-12		4.142E-12	1.142E-18	4.00E-08	
CURIES		2.396E-04	2.554E-04		2.522E-04	4.110E-04		1.158E-03			
UNCERT(CURIES)		7.370E-05	7.530E-05		7.870E-05	1.690E-04					
UNCERT(UC/ML)											
% OF TOTAL						0.001					
TOTALS											
ALPHA CURIES			2.688E-07	1.588E-07				4.276E-07			
% OF TOTAL											
B+G CURIES		4.032E+02	1.897E+02	2.738E+02	2.667E+02	3.679E+01	1.313E-04	1.170E+03			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.999			
VOLUME (CU. METERS)		5.197E+07	5.174E+07	4.923E+07	5.964E+07	5.788E+07	9.134E+06	2.796E+08			
GRAND TOTALS (CURIES)		4.032E+02	1.897E+02	2.738E+02	2.667E+02	3.679E+01	1.313E-04	1.170E+03			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
C-14 CURIES % OF TOTAL	2.092E+06			1.400E-02 0.001				1.400E-02
CE-144 CURIES % OF TOTAL	2.844E+02						2.800E-03	2.800E-03
CO-58 CURIES % OF TOTAL	7.091E+01			5.000E+00 0.424			3.000E-04	5.000E+00 0.003
CO-60 CURIES % OF TOTAL	1.924E+03			2.850E+02 24.150		2.820E+02 0.283	2.820E+02 0.284	8.490E+02 0.424
CR-51 CURIES % OF TOTAL	2.770E+01						4.319E+01 0.043	4.319E+01 0.022
CS-134 CURIES % OF TOTAL	7.537E+02						9.000E-04	9.000E-04
CS-137 CURIES % OF TOTAL	1.101E+04						5.200E-03	5.200E-03
FE-55 CURIES % OF TOTAL	9.782E+02			6.900E+02 58.468				6.900E+02 0.345
H-3 CURIES % OF TOTAL	4.490E+03			1.100E-04		9.820E+04 98.691	9.798E+04 98.646	1.962E+05 98.086
HF-181 CURIES % OF TOTAL	4.240E+01						5.900E-03	5.900E-03
I-131 CURIES % OF TOTAL	8.040E+00						6.400E-03	6.400E-03
MN-54 CURIES % OF TOTAL	3.122E+02			8.300E+01 7.033			4.000E-04	8.300E+01 0.041

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
NB-94 CURIES % OF TOTAL	7.300E+06			9.000E-07				9.000E-07
NB-95 CURIES % OF TOTAL	3.498E+01						4.360E-02	4.360E-02
NI-59 CURIES % OF TOTAL	2.774E+07			1.120E-01 0.009				1.120E-01
NI-63 CURIES % OF TOTAL	3.650E+04			1.500E+01 1.271	1.020E+03 1.025	1.020E+03 1.027	2.055E+03 1.027	
RU-103 CURIES % OF TOTAL	3.924E+01						1.700E-03	1.700E-03
SB-124 CURIES % OF TOTAL	6.020E+01						5.000E-04	5.000E-04
SB-125 CURIES % OF TOTAL	1.007E+03			5.000E+00 0.424			4.000E-04	5.000E+00 0.003
SC-46 CURIES % OF TOTAL	8.382E+01						1.000E-03	1.000E-03
SE-75 CURIES % OF TOTAL	1.198E+02						9.000E-03	9.000E-03
SN-119M CURIES % OF TOTAL	2.930E+02			1.500E+01 1.271				1.500E+01 0.007
SR-90 CURIES % OF TOTAL	1.059E+04			2.500E-09			3.400E-03	3.400E-03
TC-99 CURIES % OF TOTAL	7.775E+07			2.500E-05				2.500E-05

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
ZN-65	2.438E+02							
CURIES				8.200E+01			1.600E-03	8.200E+01
% OF TOTAL				6.948				0.041
ZR-95	6.403E+01							
CURIES							7.500E-03	7.500E-03
% OF TOTAL								
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES				1.180E+03		9.950E+04	9.933E+04	2.000E+05
% OF TOTAL				100.000		100.000	100.000	100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)				7.640E-01		7.640E-01	6.709E+00	8.237E+00
WEIGHT (KILOGRAMS)				4.080E+02		2.109E+02	8.459E+03	9.078E+03

GRAND TOTALS (CURIES)				1.180E+03		9.950E+04	9.933E+04	2.000E+05

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CHEM LAB ADD. AIRBORNE WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA											
CONCEN (UC/ML)		-1.804E-16	-2.837E-16	1.248E-15	1.072E-16	2.450E-16	-3.030E-16	1.383E-16	2.944E-23		
CURIES		-1.590E-09	-2.500E-09	1.100E-08	9.450E-10	2.090E-09	-2.670E-09	7.275E-09			
UNCERT(CURIES)		4.210E-09	2.480E-09	2.840E-09	2.700E-09	1.420E-09	1.790E-09				
UNCERT(UC/ML)											
% OF TOTAL		-22.682	-35.014	41.353	13.990	172.442	-40.826	13.166			
GROSS-BETA											
CONCEN (UC/ML)		9.758E-16	1.094E-15	1.770E-15	6.593E-16	-1.029E-16	1.045E-15	9.123E-16	1.942E-22		
CURIES		8.600E-09	9.640E-09	1.560E-08	5.810E-09	-8.780E-10	9.210E-09	4.798E-08			
UNCERT(CURIES)		4.850E-09	3.220E-09	3.500E-09	3.630E-09	2.500E-09	3.150E-09				
UNCERT(UC/ML)											
% OF TOTAL		122.682	135.014	58.647	86.010	-72.442	140.826	86.834			
TOTALS											
ALPHA CURIES		-1.590E-09	-2.500E-09	1.100E-08	9.450E-10	2.090E-09	-2.670E-09	7.275E-09			
% OF TOTAL		-22.682	-35.014	41.353	13.990	172.442	-40.826	13.166			
B+G CURIES		8.600E-09	9.640E-09	1.560E-08	5.810E-09	-8.780E-10	9.210E-09	4.798E-08			
% OF TOTAL		122.682	135.014	58.647	86.010	-72.442	140.826	86.834			
VOLUME (CU. METERS)		8.813E+06	8.813E+06	8.813E+06	8.813E+06	8.529E+06	8.813E+06	5.259E+07			
<hr/>											
GRAND TOTALS (CURIES)		7.010E-09	7.140E-09	2.660E-08	6.755E-09	1.212E-09	6.540E-09	5.526E-08			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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ETR AIRBORNE WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		-6.952E-16	1.020E-15	5.921E-16				3.056E-16	4.310E-23	
CURIES		-5.800E-09	8.510E-09	4.940E-09				7.650E-09		
UNCERT(CURIES)		4.220E-09	5.060E-09	5.270E-09						
UNCERT(UC/ML)										
% OF TOTAL		-3.448	2.374	1.615				0.919		
GROSS-BETA										
CONCEN (UC/ML)		2.086E-14	4.195E-14	3.608E-14				3.296E-14	4.648E-21	
CURIES		1.740E-07	3.500E-07	3.010E-07				8.250E-07		
UNCERT(CURIES)		9.400E-09	1.460E-08	1.310E-08						
UNCERT(UC/ML)										
% OF TOTAL		103.448	97.626	98.385				99.081		
TOTALS										
ALPHA CURIES		-5.800E-09	8.510E-09	4.940E-09				7.650E-09		
% OF TOTAL		-3.448	2.374	1.615				0.919		
B+G CURIES		1.740E-07	3.500E-07	3.010E-07				8.250E-07		
% OF TOTAL		103.448	97.626	98.385				99.081		
VOLUME (CU. METERS)		8.343E+06	8.343E+06	8.343E+06				2.503E+07		
<hr/>										
GRAND TOTALS (CURIES)		1.682E-07	3.585E-07	3.059E-07				8.326E-07		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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ETR DISPOSED SOLID WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
AM-241	1.577E+05							
CURIES						7.540E-08		7.540E-08
% OF TOTAL						1.587		1.587
GRAMS						2.192E-08		2.192E-08
CM-242	1.630E+02							
CURIES						8.000E-10		8.000E-10
% OF TOTAL						0.017		0.017
CM-244	6.610E+03							
CURIES						1.360E-08		1.360E-08
% OF TOTAL						0.286		0.286
PU-238	3.203E+04							
CURIES						4.280E-06		4.280E-06
% OF TOTAL						90.109		90.109
GRAMS						2.503E-07		2.503E-07
PU-239	8.800E+06							
CURIES						3.800E-07		3.800E-07
% OF TOTAL						8.000		8.000
GRAMS						6.119E-06		6.119E-06
TOTALS								
ALPHA CURIES						4.750E-06		4.750E-06
% OF TOTAL						100.000		100.000
B+G CURIES								
% OF TOTAL								
TOTAL GRAMS OF AM						2.192E-08		2.192E-08
TOTAL GRAMS OF PU						6.369E-06		6.369E-06
TOTAL GRAMS OF PU-239+241						6.119E-06		6.119E-06
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)						3.620E+00		3.620E+00
WEIGHT (KILOGRAMS)						3.856E+02		3.856E+02
GRAND TOTALS (CURIES)						4.750E-06		4.750E-06

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MTR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CO-60	1.924E+03										
CONCEN (UC/ML)						8.719E-15	1.312E-13	2.307E-14	2.077E-21	8.00E-11	
CURIES						1.280E-07	1.990E-06	2.118E-06			
UNCERT(CURIES)						2.740E-08	1.190E-07				
UNCERT(UC/ML)											
% OF TOTAL						16.283	36.120	22.306			
CS-137	1.101E+04										
CONCEN (UC/ML)					5.216E-15			9.337E-16	8.404E-23	4.00E-10	
CURIES					8.570E-08			8.570E-08			
UNCERT(CURIES)					2.240E-08						
UNCERT(UC/ML)											
% OF TOTAL					7.198			0.903			
GROSS-ALPHA											
CONCEN (UC/ML)		-2.373E-15	-1.444E-15	1.259E-15	9.069E-16	6.880E-16	-1.727E-16	-1.789E-16	-1.610E-23		
CURIES		-3.600E-08	-2.190E-08	1.910E-08	1.490E-08	1.010E-08	-2.620E-09	-1.642E-08			
UNCERT(CURIES)		1.190E-08	1.100E-08	1.210E-08	1.400E-08	7.870E-09	8.720E-09				
UNCERT(UC/ML)											
% OF TOTAL		-6.186	-5.140	1.908	1.251	1.285	-0.048	-0.173			
GROSS-BETA											
CONCEN (UC/ML)		4.074E-14	2.953E-14	6.473E-14	6.634E-14	4.414E-14	2.136E-13	7.654E-14	6.890E-21		
CURIES		6.180E-07	4.480E-07	9.820E-07	1.090E-06	6.480E-07	3.240E-06	7.026E-06			
UNCERT(CURIES)		3.000E-08	2.630E-08	3.610E-08	4.710E-08	2.870E-08	1.240E-07				
UNCERT(UC/ML)											
% OF TOTAL		106.186	105.140	98.092	91.551	82.432	58.809	73.995			
SR-90	1.059E+04										
CONCEN (UC/ML)							9.295E-15	1.536E-15	1.383E-22	9.00E-12	
CURIES							1.410E-07	1.410E-07			
UNCERT(CURIES)							6.420E-09				
UNCERT(UC/ML)											
% OF TOTAL							2.559	1.485			
Y-90	2.667E+00										
CONCEN (UC/ML)							9.295E-15	1.536E-15	1.383E-22	1.00E-09	
CURIES							1.410E-07	1.410E-07			
UNCERT(CURIES)							6.420E-09				
UNCERT(UC/ML)											
% OF TOTAL							2.559	1.485			

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
TOTALS										
ALPHA CURIES		-3.600E-08	-2.190E-08	1.910E-08	1.490E-08	1.010E-08	-2.620E-09	-1.642E-08		
% OF TOTAL		-6.186	-5.140	1.908	1.251	1.285	-0.048	-0.173		
B+G CURIES		6.180E-07	4.480E-07	9.820E-07	1.176E-06	7.760E-07	5.512E-06	9.512E-06		
% OF TOTAL		106.186	105.140	98.092	98.749	98.715	100.048	100.173		
VOLUME (CU. METERS)		1.517E+07	1.517E+07	1.517E+07	1.643E+07	1.468E+07	1.517E+07	9.179E+07		

GRAND TOTALS (CURIES)		5.820E-07	4.261E-07	1.001E-06	1.191E-06	7.861E-07	5.509E-06	9.495E-06		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TRA HOT CELL AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 125
TRA/TRA-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		-3.548E-15	-1.944E-15	2.565E-15	6.329E-15	1.873E-14	2.158E-15	3.969E-15	1.461E-22	
CURIES		-1.480E-08	-8.110E-09	1.070E-08	2.640E-08	7.560E-08	9.000E-09	9.879E-08		
UNCERT(CURIES)		6.350E-09	5.830E-09	6.320E-09	7.200E-09	7.720E-09	7.510E-09			
UNCERT(UC/ML)										
% OF TOTAL		-302.041	-12.106	11.996	36.066	38.066	20.134	20.685		
GROSS-BETA										
CONCEN (UC/ML)		4.723E-15	1.801E-14	1.882E-14	1.122E-14	3.047E-14	8.559E-15	1.522E-14	5.601E-22	
CURIES		1.970E-08	7.510E-08	7.850E-08	4.680E-08	1.230E-07	3.570E-08	3.788E-07		
UNCERT(CURIES)		7.710E-09	8.890E-09	9.440E-09	9.310E-09	1.050E-08	1.150E-08			
UNCERT(UC/ML)										
% OF TOTAL		402.041	112.106	88.005	63.934	61.934	79.866	79.315		
TOTALS										
ALPHA CURIES		-1.480E-08	-8.110E-09	1.070E-08	2.640E-08	7.560E-08	9.000E-09	9.879E-08		
% OF TOTAL		-302.041	-12.106	11.996	36.066	38.066	20.134	20.685		
B+G CURIES		1.970E-08	7.510E-08	7.850E-08	4.680E-08	1.230E-07	3.570E-08	3.788E-07		
% OF TOTAL		402.041	112.106	88.005	63.934	61.934	79.866	79.315		
VOLUME (CU. METERS)		4.171E+06	4.171E+06	4.171E+06	4.171E+06	4.037E+06	4.171E+06	2.489E+07		
<hr/>										
GRAND TOTALS (CURIES)		4.900E-09	6.699E-08	8.920E-08	7.320E-08	1.986E-07	4.470E-08	4.776E-07		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 105
TRA-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
CE-141	3.250E+01									
CONCEN (UC/ML)		5.270E-07	2.710E-07					1.205E-07	5.00E-05	0.24
CURIES		2.799E-03	2.269E-03					5.068E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)		1.500E-08	1.400E-08							
% OF TOTAL		0.016	0.012					0.005		
CE-144	2.844E+02									
CONCEN (UC/ML)		2.850E-07	3.310E-07	2.490E-07				1.431E-07	7.00E-06	2.04
CURIES		1.514E-03	2.772E-03	1.732E-03				6.017E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)		5.800E-08	8.600E-08	9.100E-08						
% OF TOTAL		0.009	0.015	0.005				0.006		
CO-58	7.091E+01									
CONCEN (UC/ML)						2.070E-07	3.800E-06	5.922E-07	4.00E-05	1.48
CURIES						1.554E-03	2.335E-02	2.490E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)						1.800E-08	9.000E-08			
% OF TOTAL						0.017	0.944	0.025		
CO-60	1.924E+03									
CONCEN (UC/ML)		4.160E-07	1.390E-06	1.650E-06	1.150E-06	1.880E-06	1.320E-04	2.044E-05	5.00E-06	408.78
CURIES		2.209E-03	1.164E-02	1.147E-02	8.921E-03	1.411E-02	8.110E-01	8.594E-01		*****
UNCERT(CURIES)										
UNCERT(UC/ML)		2.200E-08	4.000E-08	4.000E-08	3.000E-08	4.000E-08	1.320E-06			
% OF TOTAL		0.013	0.064	0.032	0.048	0.150	32.804	0.852		
CR-51	2.770E+01									
CONCEN (UC/ML)		2.440E-05	4.430E-05	5.890E-05	8.900E-06	3.840E-06	4.280E-05	3.023E-05	1.00E-03	3.02
CURIES		1.296E-01	3.710E-01	4.096E-01	6.904E-02	2.882E-02	2.630E-01	1.271E+00		
UNCERT(CURIES)										
UNCERT(UC/ML)		3.000E-07	4.000E-07	4.000E-07	1.300E-07	1.000E-07	4.000E-07			
% OF TOTAL		0.760	2.037	1.159	0.375	0.307	10.636	1.260		
CS-134	7.537E+02									
CONCEN (UC/ML)				1.700E-07				2.812E-08	2.00E-06	1.41
CURIES				1.182E-03				1.182E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)				2.400E-08						
% OF TOTAL				0.003				0.001		
CS-137	1.101E+04									
CONCEN (UC/ML)			1.380E-07	1.180E-06	2.730E-07	2.810E-06	2.340E-07	8.088E-07	3.00E-06	26.96
CURIES			1.156E-03	8.206E-03	2.118E-03	2.109E-02	1.438E-03	3.401E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)			2.400E-08	4.000E-08	2.100E-08	5.000E-08	7.300E-08			
% OF TOTAL			0.006	0.023	0.012	0.224	0.058	0.034		

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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

 TRA LIQUID WASTE SUMMARY
 FOR JAN THROUGH JUN 1993

 PAGE 2 RPT. 105
 TRA-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)					2.100E-07	3.100E-07	1.700E-07	1.189E-07		
CURIES					1.629E-03	2.327E-03	1.044E-03	5.000E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)					4.000E-08	5.000E-08	3.000E-08			
% OF TOTAL					0.009	0.025	0.042	0.005		
GROSS-BETA										
CONCEN (UC/ML)		3.200E-06	1.600E-05	1.700E-05	5.500E-06	2.000E-05	9.400E-05	2.472E-05		
CURIES		1.700E-02	1.340E-01	1.182E-01	4.266E-02	1.501E-01	5.775E-01	1.039E+00		
UNCERT(CURIES)										
UNCERT(UC/ML)		5.100E-07	3.000E-06	3.100E-06	9.000E-07	3.000E-06	1.500E-05			
% OF TOTAL		0.100	0.736	0.335	0.232	1.596	23.360	1.031		
H-3	4.490E+03									
CONCEN (UC/ML)		3.180E-03	2.110E-03	5.000E-03	2.350E-03	1.210E-03	1.280E-04	2.317E-03	2.00E-03	115.86
CURIES		1.689E+01	1.767E+01	3.477E+01	1.823E+01	9.081E+00	7.864E-01	9.742E+01		*****
UNCERT(CURIES)										
UNCERT(UC/ML)		6.000E-05	4.000E-05	1.000E-04	5.000E-05	3.000E-05	5.000E-06			
% OF TOTAL		99.063	97.011	98.397	99.080	96.585	31.810	96.583		
NA-24	6.237E-01									
CONCEN (UC/ML)		1.060E-06	2.040E-06					5.402E-07	1.00E-04	0.54
CURIES		5.630E-03	1.708E-02					2.271E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)		3.000E-08	1.400E-07							
% OF TOTAL		0.033	0.094					0.023		
SB-124	6.020E+01									
CONCEN (UC/ML)							2.510E-07	3.668E-08	1.00E-05	0.37
CURIES							1.542E-03	1.542E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)							4.600E-08			
% OF TOTAL							0.062	0.002		
SR-90	1.059E+04									
CONCEN (UC/ML)				7.900E-07	2.890E-06	6.800E-06		1.878E-06	1.00E-06	187.76
CURIES				5.494E-03	2.242E-02	5.103E-02		7.895E-02		*****
UNCERT(CURIES)										
UNCERT(UC/ML)				4.700E-08	1.600E-07	4.000E-07				
% OF TOTAL				0.016	0.122	0.543		0.078		
TA-182	1.145E+02									
CONCEN (UC/ML)				1.480E-07				2.448E-08	2.00E-05	0.12
CURIES				1.029E-03				1.029E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)				9.600E-08						
% OF TOTAL				0.003				0.001		

TRA-75

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 3 RPT. 105
TRA-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
Y-90	2.667E+00									
CONCEN (UC/ML)				7.900E-07	2.890E-06	6.800E-06		1.878E-06	1.00E-05	18.78
CURIES				5.494E-03	2.242E-02	5.103E-02		7.895E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)				4.700E-04	1.600E-07	4.000E-07				
% OF TOTAL				0.016	0.122	0.543		0.078		
ZN-65	2.438E+02									
CONCEN (UC/ML)		2.060E-07	5.390E-07	6.110E-07		1.400E-07	1.140E-06	4.260E-07	9.00E-06	4.73
CURIES		1.094E-03	4.514E-03	4.249E-03		1.051E-03	7.004E-03	1.791E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)		4.000E-08	6.600E-08	6.900E-08		3.400E-08	1.800E-07			
% OF TOTAL		0.006	0.025	0.012		0.011	0.283	0.018		
TOTALS										
ALPHA CURIES					1.629E-03	2.327E-03	1.044E-03	5.000E-03		
% OF TOTAL					0.009	0.025	0.042	0.005		
B+G CURIES		1.705E+01	1.821E+01	3.534E+01	1.840E+01	9.400E+00	2.471E+00	1.009E+02		
% OF TOTAL		100.000	100.000	100.000	99.991	99.975	99.958	99.995		
VOLUME (LITERS)		5.311E+06	8.374E+06	6.954E+06	7.757E+06	7.505E+06	6.144E+06	4.205E+07		
GRAND TOTALS (CURIES)		1.705E+01	1.821E+01	3.534E+01	1.840E+01	9.402E+00	2.472E+00	1.009E+02		

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

*** The CG limit is being approached or has been exceeded during the current month. Please verify the accuracy of the reported data. If the data is in error, please send correct data to Waste Information.

TRA-76

Waste Experimental Reduction Facility 1993 Detail Data

Waste Experimental Reduction Facility (WER) Bar Graphs of Annual Data by Month	WER-3
CY1993 Bar Graphs	WER-5
WER Detail Data for Months July to December	
Annual Average Concentration and Total Curies for January to December	WER-7
Report 174—WER Airborne Waste Summary	WER-9
Report 176—WER Disposed Solid Waste Summary	WER-10
WER Detail Data for Months January to June	
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Report 174—WER Airborne Waste Summary	WER-15
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WER Facility Detail Data for Months July to December	
Annual Average Concentration and Total Curies for January to December	WER-19
Report 180—WER No. Stack Airborne Waste Summary	WER-21
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Report 181—WER So. Stack Airborne Waste Summary	WER-30
Report 178—WER Incineration Operations, Disposed Solid Waste Summary	WER-31

Waste Experimental Reduction Facility (WER) Bar Graphs of Annual Data by Month

Waste Experimental Reduction Facility (WER) Monthly Details - CY 1993

WER-5

**WER Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/11/94

WER AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 1 RPT. 174
WER-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	WER-A YEARLY RELEASE % OF CG
SR-90	1.059E+04										
CONCEN (UC/ML)			-6.748E-16	-8.207E-15	-1.776E-16	1.089E-16	1.315E-17	-4.631E-16	-2.336E-22	9.00E-12	
CURIES			-8.350E-09	-1.000E-07	-2.260E-09	1.280E-09	2.520E-10	-7.162E-08			
% OF TOTAL			50.000	50.000	50.000	50.000	50.000	50.000			
Y-90	2.667E+00										
CONCEN (UC/ML)			-6.748E-16	-8.207E-15	-1.776E-16	1.089E-16	1.315E-17	-4.631E-16	-2.336E-22	1.00E-09	
CURIES			-8.350E-09	-1.000E-07	-2.260E-09	1.280E-09	2.520E-10	-7.162E-08			
% OF TOTAL			50.000	50.000	50.000	50.000	50.000	50.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES			-1.670E-08	-2.000E-07	-4.520E-09	2.560E-09	5.040E-10	-1.432E-07			
% OF TOTAL			100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		1.161E+07	1.237E+07	1.218E+07	1.272E+07	1.176E+07	1.916E+07	1.547E+08			

GRAND TOTALS (CURIES)			-1.670E-08	-2.000E-07	-4.520E-09	2.560E-09	5.040E-10	-1.432E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

WER-9

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 06/20/94

WER DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 1 RPT 176

WER-S

WER-10

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AG-108M CURIES % OF TOTAL	4.745E+04							2.880E-07 0.003
AG-110M CURIES % OF TOTAL	2.498E+02							6.571E-06 0.070
AM-241 CURIES % OF TOTAL GRAMS	1.577E+05							1.028E-04 1.095 2.989E-05
CM-244 CURIES % OF TOTAL	6.610E+03							1.975E-05 0.210
CO-60 CURIES % OF TOTAL	1.924E+03							4.108E-03 43.742
CS-134 CURIES % OF TOTAL	7.537E+02							6.305E-05 0.671
CS-137 CURIES % OF TOTAL	1.101E+04							3.395E-03 36.151
EU-152 CURIES % OF TOTAL	4.891E+03							4.143E-05 0.441
EU-154 CURIES % OF TOTAL	3.103E+03							1.406E-04 1.497
EU-155 CURIES % OF TOTAL	1.727E+03							4.995E-05 0.532
MN-54 CURIES % OF TOTAL	3.122E+02							2.634E-05 0.280
PU-238 CURIES % OF TOTAL	3.203E+04							4.905E-04 5.223

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 06/20/94

WER DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

PAGE 2 RPT 176

WER-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
GRAMS								2.868E-05
PU-239	8.800E+06							
CURIES								9.300E-05
% OF TOTAL								0.990
GRAMS								1.498E-03
RU-106	3.726E+02							
CURIES								1.315E-04
% OF TOTAL								1.400
SB-125	1.007E+03							
CURIES								1.328E-04
% OF TOTAL								1.415
TH-230	2.752E+07							
CURIES								3.108E-05
% OF TOTAL								0.331
GRAMS								1.509E-03
TH-232	5.147E+12							
CURIES								1.973E-05
% OF TOTAL								0.210
GRAMS								1.810E+02
TH-234	2.410E+01							
CURIES								3.682E-07
% OF TOTAL								0.004
GRAMS								1.587E-11
U-234	8.943E+07							
CURIES								1.783E-04
% OF TOTAL								1.898
GRAMS								2.857E-02
U-235	2.570E+11							
CURIES								1.503E-06
% OF TOTAL								0.016
GRAMS								6.961E-01
U-238	1.631E+12							
CURIES								3.277E-04
% OF TOTAL								3.489
GRAMS								9.753E+02
ZN-65	2.438E+02							
CURIES								3.101E-05
% OF TOTAL								0.330

WER-11

SCHED. NO. P61PM009-G

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 06/20/94

WER DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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WER-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS								
ALPHA CURIES								1.264E-03
% OF TOTAL								13.463
B+G CURIES								8.127E-03
% OF TOTAL								86.533
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								2.989E-05
TOTAL GRAMS OF PU								0
TOTAL GRAMS OF PU-239+241								0
TOTAL GRAMS OF U								9.760E+02
TOTAL GRAMS OF TH								181
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								7.257E+00
WEIGHT (KILOGRAMS)								9.443E+03
GRAND TOTALS (CURIES)								9.391E-03

WER-12

WER Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

WER AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1993

PAGE 1 RPT. 174
WER-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	WER-A YEARLY RELEASE % OF CG
SR-90	1.059E+04										
CONCEN (UC/ML)		4.016E-16	3.863E-16	-1.334E-16	1.681E-15	4.646E-16	1.373E-16	5.004E-16	2.525E-22	9.00E-12	
CURIES		4.850E-09	4.200E-09	-1.600E-09	2.210E-08	6.010E-09	1.900E-09	3.746E-08			
% OF TOTAL		50.000	50.000	50.000	50.000	50.000	50.000	50.000			
Y-90	2.667E+00										
CONCEN (UC/ML)		4.016E-16	3.863E-16	-1.334E-16	1.681E-15	4.646E-16	1.373E-16	5.004E-16	2.525E-22	1.00E-09	
CURIES		4.850E-09	4.200E-09	-1.600E-09	2.210E-08	6.010E-09	1.900E-09	3.746E-08			
% OF TOTAL		50.000	50.000	50.000	50.000	50.000	50.000	50.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		9.700E-09	8.400E-09	-3.200E-09	4.420E-08	1.202E-08	3.800E-09	7.492E-08			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		1.208E+07	1.087E+07	1.199E+07	1.314E+07	1.294E+07	1.383E+07	7.486E+07			
GRAND TOTALS (CURIES)		9.700E-09	8.400E-09	-3.200E-09	4.420E-08	1.202E-08	3.800E-09	7.492E-08			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line Gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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 U.S. DEPARTMENT OF ENERGY
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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
AG-108M CURIES % OF TOTAL	4.745E+04					2.879E-07 0.003		2.880E-07 0.003
AG-110M CURIES % OF TOTAL	2.498E+02					6.571E-06 0.070		6.571E-06 0.070
AM-241 CURIES % OF TOTAL GRAMS	1.577E+05					1.028E-04 1.095 2.989E-05		1.028E-04 1.095 2.989E-05
CM-244 CURIES % OF TOTAL	6.610E+03					1.975E-05 0.210		1.975E-05 0.210
CO-60 CURIES % OF TOTAL	1.924E+03					4.108E-03 43.745		4.108E-03 43.742
CS-134 CURIES % OF TOTAL	7.537E+02					6.305E-05 0.671		6.305E-05 0.671
CS-137 CURIES % OF TOTAL	1.101E+04					3.395E-03 36.153		3.395E-03 36.151
EU-152 CURIES % OF TOTAL	4.891E+03					4.143E-05 0.441		4.143E-05 0.441
EU-154 CURIES % OF TOTAL	3.103E+03					1.406E-04 1.497		1.406E-04 1.497
EU-155 CURIES % OF TOTAL	1.727E+03					4.995E-05 0.532		4.995E-05 0.532
MN-54 CURIES % OF TOTAL	3.122E+02					2.634E-05 0.281		2.634E-05 0.280
PU-238 CURIES % OF TOTAL	3.203E+04					4.905E-04 5.223		4.905E-04 5.223

IDAHO OPERATIONS OFFICE
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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
GRAMS						2.868E-05		2.868E-05
PU-239	8.800E+06							
CURIES						9.300E-05		9.300E-05
% OF TOTAL						0.990		0.990
GRAMS						1.498E-03		1.498E-03
RU-106	3.726E+02							
CURIES						1.315E-04		1.315E-04
% OF TOTAL						1.400		1.400
SB-125	1.007E+03							
CURIES						1.328E-04		1.328E-04
% OF TOTAL						1.415		1.415
TH-230	2.752E+07							
CURIES						3.108E-05		3.108E-05
% OF TOTAL						0.331		0.331
GRAMS						1.509E-03		1.509E-03
TH-232	5.147E+12							
CURIES						1.973E-05		1.973E-05
% OF TOTAL						0.210		0.210
GRAMS						1.810E+02		1.810E+02
TH-234	2.410E+01							
CURIES						3.682E-07		3.682E-07
% OF TOTAL						0.004		0.004
GRAMS						1.587E-11		1.587E-11
U-234	8.943E+07							
CURIES						1.783E-04		1.783E-04
% OF TOTAL						1.898		1.898
GRAMS						2.857E-02		2.857E-02
U-235	2.570E+11							
CURIES						1.503E-06		1.503E-06
% OF TOTAL						0.016		0.016
GRAMS						6.961E-01		6.961E-01
U-238	1.631E+12							
CURIES						3.277E-04		3.277E-04
% OF TOTAL						3.490		3.489
GRAMS						9.753E+02		9.753E+02
ZN-65	2.438E+02							
CURIES						3.101E-05		3.101E-05
% OF TOTAL						0.330		0.330

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
TOTALS								
ALPHA CURIES						1.264E-03		1.264E-03
% OF TOTAL						13.464		13.463
B+G CURIES						8.127E-03		8.127E-03
% OF TOTAL						86.539		86.533
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM						2.989E-05		2.989E-05
TOTAL GRAMS OF PU						0		0
TOTAL GRAMS OF PU-239+241						0		0
TOTAL GRAMS OF U						976		976
TOTAL GRAMS OF TH						181		181
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)						7.257E+00		7.257E+00
WEIGHT (KILOGRAMS)						9.443E+03		9.443E+03

GRAND TOTALS (CURIES)						9.391E-03		9.391E-03

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**WER Facility Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

IDAHO OPERATIONS OFFICE
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WER NO. STACK AIRBORNE WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
SR-90	1.059E+04										
CONCEN (UC/ML)			-8.940E-16	-1.124E-14	-2.309E-16	1.563E-16	-3.313E-17	-7.837E-16	-3.954E-22	9.00E-12	
CURIES			-8.350E-09	-1.000E-07	-2.260E-09	1.280E-09	-2.500E-10	-8.003E-08			
UNCERT(CURIES)			1.250E-08	4.000E-07	1.810E-09	8.530E-10	5.000E-10				
UNCERT(UC/ML)											
% OF TOTAL			50.000	50.000	50.000	50.000	50.000	50.000			
Y-90	2.667E+00										
CONCEN (UC/ML)			-8.940E-16	-1.124E-14	-2.309E-16	1.563E-16	-3.313E-17	-7.837E-16	-3.954E-22	1.00E-09	
CURIES			-8.350E-09	-1.000E-07	-2.260E-09	1.280E-09	-2.500E-10	-8.003E-08			
UNCERT(CURIES)			1.250E-08	4.000E-07	1.810E-09	8.530E-10	5.000E-10				
UNCERT(UC/ML)											
% OF TOTAL			50.000	50.000	50.000	50.000	50.000	50.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES			-1.670E-08	-2.000E-07	-4.520E-09	2.560E-09	-5.000E-10	-1.601E-07			
% OF TOTAL			100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		8.671E+06	9.340E+06	8.897E+06	9.786E+06	8.191E+06	7.547E+06	1.021E+08			
GRAND TOTALS (CURIES)			-1.670E-08	-2.000E-07	-4.520E-09	2.560E-09	-5.000E-10	-1.601E-07			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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WER SQ. STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
SR-90	1.059E+04										
CONCEN (UC/ML)								1.617E-16	8.159E-23	9.00E-12	
CURIES								7.910E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL								50.000			
Y-90	2.667E+00										
CONCEN (UC/ML)								1.617E-16	8.159E-23	1.00E-09	
CURIES								7.910E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL								50.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES								1.582E-08			
% OF TOTAL								100.000			
VOLUME (CU. METERS)		2.936E+06	3.034E+06	3.287E+06	2.936E+06	3.567E+06	7.984E+06	4.891E+07			
GRAND TOTALS (CURIES)								1.582E-08			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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WER 765 STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1993

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
SR-90	1.059E+04										
CONCEN (UC/ML)							1.384E-16	1.384E-16	1.886E-23	9.00E-12	
CURIES							5.020E-10	5.020E-10			
UNCERT(CURIES)							1.000E-09				
UNCERT(UC/ML)											
% OF TOTAL							50.000	50.000			
Y-90	2.667E+00										
CONCEN (UC/ML)							1.384E-16	1.384E-16	1.886E-23	1.00E-09	
CURIES							5.020E-10	5.020E-10			
UNCERT(CURIES)							1.000E-09				
UNCERT(UC/ML)											
% OF TOTAL							50.000	50.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES							1.004E-09	1.004E-09			
% OF TOTAL							100.000	100.000			
VOLUME (CU. METERS)							3.627E+06	3.627E+06			
GRAND TOTALS (CURIES)							1.004E-09	1.004E-09			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AG-108M CURIES % OF TOTAL	4.745E+04							2.880E-07 0.003
AG-110M CURIES % OF TOTAL	2.498E+02							6.571E-06 0.070
AM-241 CURIES % OF TOTAL GRAMS	1.577E+05							1.028E-04 1.095 2.989E-05
CM-244 CURIES % OF TOTAL	6.610E+03							1.975E-05 0.210
CO-60 CURIES % OF TOTAL	1.924E+03							4.108E-03 43.742
CS-134 CURIES % OF TOTAL	7.537E+02							6.305E-05 0.671
CS-137 CURIES % OF TOTAL	1.101E+04							3.395E-03 36.151
EU-152 CURIES % OF TOTAL	4.891E+03							4.143E-05 0.441
EU-154 CURIES % OF TOTAL	3.103E+03							1.406E-04 1.497
EU-155 CURIES % OF TOTAL	1.727E+03							4.995E-05 0.532
MN-54 CURIES % OF TOTAL	3.122E+02							2.634E-05 0.280
PU-238 CURIES % OF TOTAL	3.203E+04							4.905E-04 5.223

WER INCINERATION
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SCHED. NO. P61PM099-H

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS								
ALPHA CURIES								1.264E-03
% OF TOTAL								13.463
B+G CURIES								8.127E-03
% OF TOTAL								86.533
TOTAL GRAMS OF AM								2.989E-05
TOTAL GRAMS OF PU								1.526E-03
TOTAL GRAMS OF PU-239+241								1.498E-03
TOTAL GRAMS OF U								9.760E+02
TOTAL GRAMS OF TH								1.810E+02
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)								7.257E+00
WEIGHT (KILOGRAMS)								9.443E+03

GRAND TOTALS (CURIES)								9.391E-03

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**WER Facility Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

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WER NO. STACK AIRBORNE WASTE SUMMARY
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WER-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
SR-90	1.059E+04										
CONCEN (UC/ML)		5.363E-16	5.359E-16	-1.786E-16	2.186E-15			5.947E-16	3.001E-22	9.00E-12	
CURIES		4.850E-09	4.200E-09	-1.600E-09	2.210E-08			2.955E-08			
UNCERT(CURIES)		1.210E-09	1.050E-09	8.010E-10	1.810E-09						
UNCERT(UC/ML)											
% OF TOTAL		50.000	50.000	50.000	50.000			50.000			
Y-90	2.667E+00										
CONCEN (UC/ML)		5.363E-16	5.359E-16	-1.786E-16	2.186E-15			5.947E-16	3.001E-22	1.00E-09	
CURIES		4.850E-09	4.200E-09	-1.600E-09	2.210E-08			2.955E-08			
UNCERT(CURIES)		1.210E-09	1.050E-09	8.010E-10	1.810E-09						
UNCERT(UC/ML)											
% OF TOTAL		50.000	50.000	50.000	50.000			50.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		9.700E-09	8.400E-09	-3.200E-09	4.420E-08			5.910E-08			
% OF TOTAL		100.000	100.000	100.000	100.000			100.000			
VOLUME (CU. METERS)		9.043E+06	7.837E+06	8.960E+06	1.011E+07	2.936E+06	1.080E+07	4.969E+07			
GRAND TOTALS (CURIES)		9.700E-09	8.400E-09	-3.200E-09	4.420E-08			5.910E-08			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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WER SO. STACK AIRBORNE WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
SR-90	1.059E+04										
CONCEN (UC/ML)											
CURIES						6.010E-16	6.262E-16	3.143E-16	1.586E-22	9.00E-12	
UNCERT(CURIES)						6.010E-09	1.900E-09	7.910E-09			
UNCERT(UC/ML)						9.240E-10	2.710E-10				
% OF TOTAL						50.000	50.000	50.000			
Y-90	2.667E+00										
CONCEN (UC/ML)											
CURIES						6.010E-16	6.262E-16	3.143E-16	1.586E-22	1.00E-09	
UNCERT(CURIES)						6.010E-09	1.900E-09	7.910E-09			
UNCERT(UC/ML)						9.240E-10	2.710E-10				
% OF TOTAL						50.000	50.000	50.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES						1.202E-08	3.800E-09	1.582E-08			
% OF TOTAL						100.000	100.000	100.000			
VOLUME (CU. METERS)		3.034E+06	3.034E+06	3.034E+06	3.034E+06	1.000E+07	3.034E+06	2.517E+07			
GRAND TOTALS (CURIES)						1.202E-08	3.800E-09	1.582E-08			

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line gaussian model and is provided by the National Oceanic Atmospheric Administration (NOAA).

** NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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WER-31

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
AG-108M CURIES % OF TOTAL	4.745E+04					2.879E-07 0.003		2.880E-07 0.003
AG-110M CURIES % OF TOTAL	2.498E+02					6.571E-06 0.070		6.571E-06 0.070
AM-241 CURIES % OF TOTAL GRAMS	1.577E+05					1.028E-04 1.095 2.989E-05		1.028E-04 1.095 2.989E-05
CM-244 CURIES % OF TOTAL	6.610E+03					1.975E-05 0.210		1.975E-05 0.210
CO-60 CURIES % OF TOTAL	1.924E+03					4.108E-03 43.745		4.108E-03 43.742
CS-134 CURIES % OF TOTAL	7.537E+02					6.305E-05 0.671		6.305E-05 0.671
CS-137 CURIES % OF TOTAL	1.101E+04					3.395E-03 36.153		3.395E-03 36.151
EU-152 CURIES % OF TOTAL	4.891E+03					4.143E-05 0.441		4.143E-05 0.441
EU-154 CURIES % OF TOTAL	3.103E+03					1.406E-04 1.497		1.406E-04 1.497
EU-155 CURIES % OF TOTAL	1.727E+03					4.995E-05 0.532		4.995E-05 0.532
MN-54 CURIES % OF TOTAL	3.122E+02					2.634E-05 0.281		2.634E-05 0.280
PU-238 CURIES % OF TOTAL	3.203E+04					4.905E-04 5.223		4.905E-04 5.223

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
GRAMS						2.868E-05		2.868E-05
PU-239	8.800E+06							
CURIES						9.300E-05		9.300E-05
% OF TOTAL						0.990		0.990
GRAMS						1.498E-03		1.498E-03
RU-106	3.726E+02							
CURIES						1.315E-04		1.315E-04
% OF TOTAL						1.400		1.400
SB-125	1.007E+03							
CURIES						1.328E-04		1.328E-04
% OF TOTAL						1.415		1.415
TH-230	2.752E+07							
CURIES						3.108E-05		3.108E-05
% OF TOTAL						0.331		0.331
GRAMS						1.509E-03		1.509E-03
TH-232	5.147E+12							
CURIES						1.973E-05		1.973E-05
% OF TOTAL						0.210		0.210
GRAMS						1.810E+02		1.810E+02
TH-234	2.410E+01							
CURIES						3.682E-07		3.682E-07
% OF TOTAL						0.004		0.004
GRAMS						1.587E-11		1.587E-11
U-234	8.943E+07							
CURIES						1.783E-04		1.783E-04
% OF TOTAL						1.898		1.898
GRAMS						2.857E-02		2.857E-02
U-235	2.570E+11							
CURIES						1.503E-06		1.503E-06
% OF TOTAL						0.016		0.016
GRAMS						6.961E-01		6.961E-01
U-238	1.631E+12							
CURIES						3.277E-04		3.277E-04
% OF TOTAL						3.490		3.489
GRAMS						9.753E+02		9.753E+02
ZN-65	2.438E+02							
CURIES						3.101E-05		3.101E-05
% OF TOTAL						0.330		0.330

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/12/94

WER INCINERATION
OPERATIONS, DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1993PAGE 3 RPT. 178
WER-INC -S

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
TOTALS								
ALPHA CURIES						1.264E-03		1.264E-03
% OF TOTAL						13.464		13.463
B+G CURIES						8.127E-03		8.127E-03
% OF TOTAL						86.539		86.533
TOTAL GRAMS OF AM						2.989E-05		2.989E-05
TOTAL GRAMS OF PU						1.526E-03		1.526E-03
TOTAL GRAMS OF PU-239+241						1.498E-03		1.498E-03
TOTAL GRAMS OF U						9.760E+02		9.760E+02
TOTAL GRAMS OF TH						1.810E+02		1.810E+02
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)						7.257E+00		7.257E+00
WEIGHT (KILOGRAMS)						9.443E+03		9.443E+03

GRAND TOTALS (CURIES)						9.391E-03		9.391E-03

WER-33

Engineered Release Points

Table 1. Engineered Release Points to the Environment.

Type of Discharge	Area/Location	Type of Description of Discharge Surface	Air Emission Inventory Stack No.	Active (Yes/No)
Airborne	ANL/EBR-II & FCF	61-m glass-coated steel stack, 30 m ³ /s discharge capacity, continuously monitored.	ANL-764-001	Yes
	ANL/FASB	10-m stack, 6.64 m ³ /s discharge capacity, continuously monitored.	ANL-787-001	Yes
	ANL/FMF	11.1-m stack, 4.6 m ³ /s discharge capacity, continuously monitored.	ANL-704-008	Yes
	ANL/HFEF	28.6-m stack, 21.7 m ³ /s discharge capacity, continuously monitored.	ANL-785-018	Yes
	ANL/L&O	Two separate stacks—one stack is 15.2 m with 10.9 m ³ /s discharge capacity. The other stack is 11.3 m with 7.8 m ³ /s discharge capacity. Both stacks are continuously monitored.	ANL-752-004 (MAIN) ANL-752-005 (NDA)	Yes
	ANL/RLWTF	14.2-m stack, 1.7 m ³ /s discharge capacity, continuously monitored.	ANL-798-017	Yes
	ANL/SCMS	14.6-m stack, 4.7 m ³ /s discharge capacity, continuously monitored.	ANL-793-001	Yes
	ANL/SPF	6.9-m stack, 2.1 m ³ /s discharge capacity, continuously monitored. This stack is presently inactive.	ANL-799-010	No
	ANL/TREAT	42.7-m steel stack, 2.8 m ³ /s discharge capacity, continuously monitored.	ANL-720-007	Yes
	ANL/ZPPR	22.9-m stack, 2.3 m ³ /s discharge capacity, continuously monitored.	ANL-777-002	Yes
	ARA	9.1-m stack, 1.4 m ³ /s discharge capacity, continuously monitored. These stacks were capped in 1989. D&D removal scheduled for 1996.	ARA001	No
	CFA/West	Two normal ventilation exhausts, respirator maintenance 0.6-m ³ /s flow, sampled weekly when operating. Facility placed on standby June 1, 1993.	Drying Ovens CFA-617-030 CFA-617-031	No
	CFA/North	Normal ventilation exhausts, laundry dryer, 6.1-m ³ /s flow, continuously sampled when operating.	CFA-617-010 CFA-617-011	Yes

Table 1. (continued)

Type of Discharge	Area/Location	Type of Description of Discharge Surface	Air Emission Inventory Stack No.	Active (Yes/No)
	CPP/FAST	50-m stack, 66.1 m ³ /s discharge capacity, continuously monitored and sampled for particulates only.	CPP-767-001	Yes
	CPP/Main Stack	76.2-m stack, 84.95 m ³ /s discharge capacity, continuously monitored.	CPP-708-001	Yes
	CPP/NWCF	22-m stack, 51.9 m ³ /s discharge capacity, continuously monitored and sampled.	CPP-659-033	Yes
	CPP/RAL Stack	14.8-m stack, 8.5 m ³ /s discharge capacity, continuously monitored and sampled.	CPP-684-001	Yes
	CTF (formerly LOF)	45.7-m stack, 7.8 m ³ /s discharge capacity, continuously monitored. This facility is not functioning and has no future plans to change status.	TAN-725-001	No
	NRF/A1W	17.7-m stack, 22 m ³ /s discharge capacity, continuously monitored.	NRF-616-012	Yes
	NRF/A1W-RWDS	Near-surface discharge, 0.02 m ³ /s discharge capacity, continuously monitored.	NRF-628-006	Yes
	NRF/ECF	Two stacks, one 19.5-m stack, 14.3 m ³ /s discharge capacity, one 31-m stack 23.13 m ³ /s discharge capacity. Both continuously monitored.	NRF-618-103 NRF-618-099	Yes
	NRF/Nonplant Areas	7.6-m stack, 0.3 m ³ /s discharge capacity, continuously monitored. This stack has been decommissioned and was removed in the early 1980s.		No
	NRF/S1W	One 45.1-m stack, 22.96 m ³ /s discharge capacity, continuously monitored. One filtered exhaust 15.8-m, 0.6 m ³ /s discharge capacity, continuously monitored.	NRF-601-019A	Yes
	NRF/S5G	23.2-m stack, 10.3 m ³ /s discharge capacity, continuously monitored.	NRF-633A-057	Yes
	PBF	24.4-m stack, 2.8 m ³ /s discharge capacity, continuously monitored.	PER620 Vent 016	Yes
	SMC/R&D Process	17.7-m stack, 23.6 m ³ /s discharge capacity, continuously monitored.	TAN-607-039	Yes
	SMC/MDF QC LAB	17.99-m stack, 7.79 m ³ /s discharge capacity, continuously monitored.	TAN-607-119	Yes

Table 1. (continued)

Type of Discharge	Area/Location	Type of Description of Discharge Surface	Air Emission Inventory Stack No.	Active (Yes/No)
	SMC/LINE 2a	14.0-m stack, 18.12 m ³ /s discharge capacity, continuously monitored.	TAN-629-013	Yes
	SMC/LINE 2b	8.36-m stack, 3.12 m ³ /s discharge capacity, continuously monitored.	TAN-629-014	Yes
	SMC/LINE 2B	8.36-m stack, 3.12 m ³ discharge capacity, continuously monitored.	TAN-629-012	Yes
	SMC/S. Process S6	16.97-m stack, 7.08 m ³ /s discharge capacity, continuously monitored.	TAN-679-027	Yes
	SMC/S. Process S7	16.97-m stack, 7.08 m ³ /s discharge capacity, continuously monitored.	TAN-679-026	Yes
	SMC/S. Process S8	16.97-m stack, 7.08 m ³ /s discharge capacity, continuously monitored.	TAN-679-025	Yes
	SMC/S. Process S9	16.97-m stack, 7.08 m ³ /s discharge capacity, continuously monitored.	TAN-679-024	Yes
	SMC/S. Process S10	16.97-m stack, 7.08 m ³ /s discharge capacity, continuously monitored.	TAN-679-023	Yes
	SMC/S. Process S11	16.97-m stack, 7.08 m ³ /s discharge capacity, continuously monitored.	TAN-679-022	Yes
	SMC/Scrap Handling	16.97-m stack, 7.93 m ³ /s discharge capacity, continuously monitored.	TAN-681-020	Yes
	SMC/Liquid Reclaim	16.97-m stack, 7.93 m ³ /s discharge capacity, continuously monitored.	TAN-681-018	Yes
	SMC/PRF Stack S14	33.54-m stack, 0.94 m ³ /s discharge capacity, continuously monitored.	TAN-681-012	Yes
	TAN Decon	29.6-m stack, 24.9 m ³ /s discharge capacity, continuously monitored currently no emissions. Currently in process of deactivation.	TAN-607-136	No
	TAN/TSF	51.4-m stack, 7.9 m ³ /s discharge capacity, continuously monitored.	TAN-734-001	Yes
	TAN/PREPP	26.1-m, 3 m ³ /s discharge capacity, continuously monitored. Facility was never activated—currently being scheduled for decommissioning.	TAN-607-107	No
	TRA/ATR	76.2-m, stack, 21.2 m ³ /s discharge capacity, continuously monitored.	TRA-770-001	Yes
	TRA/Chem Lab	29.6-m stack, 6.6 m ³ /s discharge capacity, continuously sampled.	TRA-604-035	Yes

Table 1. (continued)

Type of Discharge	Area/Location	Type of Description of Discharge Surface	Air Emission Inventory Stack No.	Active (Yes/No)
	TRA/ETR	76.2-m stack, 9.4 m ³ /s discharge capacity, continuously monitored. As of 3/88, this stack is not monitored. No activity is discharged.	TRA-753-001	Yes
	TRA/Hot Cells	15.2-m stack, 1.6 m ³ /s discharge capacity, continuously sampled; three stacks sampled as one.	TRA-632-030	Yes
	TRA/MTR	76.2-m stack, 6 m ³ /s discharge capacity, continuously monitored.	TRA-710-001	Yes
	TRA/661	8.43-m stack, 3.3 m ³ /s discharge capacity, not monitored.	TRA-661-008	Yes
	WER/North	15-m stack, 8 m ³ /s discharge capacity, continuously monitored.	PER755 Vent 001	Yes
	WER/South	15-m stack, 9.4 m ³ /s discharge capacity, continuously monitored.	PER756 Vent 001	Yes
	WER/765	15.5-m stack, 4.7 m ³ /s discharge capacity, continuously monitored.		
	WMC/SWEPP	4.5-m stack, 1.7 m ³ /s discharge capacity, continuously monitored during active Drum Vent operation.	WMF-615-001	Yes
Liquid (injection well)	CPP	181 m deep (42.7 m below water table), constantly monitored by radiation detector with a detection unit of 2×10^{-6} Ci/mL, flow approximately 170×10^6 liters per month. (INEL discharges to the injection well have been terminated since 1986. This well was closed in November 1989.)		No
	PBF	33.5 m deep (105 m above water table), constantly monitored, flow intermittent with a maximum of 750 liters per minute (no longer in use as of August 1980; in June 1984 this well was completely filled with concrete).		No
Liquid (seepage ponds, leaching pits, cribs)	ANL/EBR-II & L&O	Batch monitored pond approximately 1.2×10^4 m ² maximum depth of 4 m.		Yes

Table 1. (continued)

Type of Discharge	Area/Location	Type of Description of Discharge Surface	Air Emission Inventory Stack No.	Active (Yes/No)
	ARA	Surface depression (approximately 1/3 acre), estimate flow 1.05×10^7 liters per year, continuously monitored. ARA completely shut down operations in September 1986, no further releases are being made to this release point except for drainage as a result of rain water runoff.		No
	CFA	Sewage plant tile drain field, 610 $\times$ 61 m, average flow approximately 15×10^6 liters per month, continuously monitored.		Yes
	CPP/Pond No. 1	Percolation pond, 412 ft $\times$ 480 ft $\times$ 16 ft. CPP 797 is the discharge point that is continuously monitored and sampled.		Yes
	CPP/Pond No. 2	Percolation pond, 498 ft $\times$ 498 ft $\times$ 12 to 14 ft. CPP 797 is the discharge point that is continuously monitored and sampled.		Yes
	CTF (formerly LOF)	Continuously monitored pond approximately 76 $\times$ 152 $\times$ maximum 5.5 m deep.		Yes
	NRF	Continuously monitored leaching beds handling 95,000 liters per month (releases ended April 1979).		No
	TAN	Continuously monitored pond approximately 13 hectares in size.	N/A	Yes
	TRA	Two ponds 40 $\times$ 73 and one pond 76 $\times$ 122 m, average flow approximately 90×10^6 liters per month, prior to 1988. In 1988 average flow decreased to 4.7×10^6 liters per month. Ponds are continuously monitored. Removed from service August 1993.	N/A	No
	TRA	Evaporation pond. Two adjacent lined ponds measuring 70 m $\times$ 140 m each. Double liner and leak detection system. All particulate activity remains in the lined pond 3.0×10^6 liters per month. Continuously monitored. Zero release to soil column.		

Table 1. (continued)

Type of Discharge	Area/Location	Type of Description of Discharge Surface	Air Emission Inventory Stack No.	Active (Yes/No)
Solid	All Facilities	Disposal of radioactive solid waste accomplished at the INEL Radioactive Waste Management Complex (RWMC).	N/A	Yes
		Storage of transuranic radioactive solid waste accomplished at the INEL RWMC.	N/A	Yes
		Reduction of applicable radioactive solid waste volume accomplished at the INEL WERF.	N/A	Yes
		Storage of calcinated solids accomplished at CPP.	N/A	Yes
		Storage of sodium-contaminated waste generated by ANL accomplished at ANL.	N/A	Yes
		Storage of mixed waste accomplished at Mixed Waste Storage Facility (MWSF).	N/A	Yes