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RADIOACTIVE WASTE MANAGEMENT INFORMATION FOR 1991 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 1991. 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.

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EXECUTIVE SUMMARY

This document, *Radioactive Waste Management Information for 1991 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 1990. Data are detailed for the calendar year 1991.

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. In 1991, no nonroutine releases were reported.

A total of 2.5E+09 liters of liquid radioactive waste containing 170 curies was released to the environment at the INEL during 1991. Tritium accounted for 98% of the radioactivity. As a result of radioactive decay, 163 curies or 96% of the curies for identified radionuclides remained on January 1, 1992, and only 130 curies or 76% will remain after 5 years. The radioactivity discharged as liquid waste in 1991 was 10% less than the activity discharged in 1990, and 24% higher than the activity discharged in 1989.

Airborne releases of radioactivity for 1991 were 63,879 curies; noble gases accounted for 63,868 curies, or 99.98% of the radioactivity. The 1991 curie amount is 162% higher than the quantity discharged during 1990, and 27% higher than the quantity discharged in 1989.

The 1991 airborne activity increase is a result of Chemical Processing Plant (CPP) operations. For national security reasons, the actual curies of Kr-85 released at the CPP cannot be reported. The values actually released are less than those shown in the report. CPP operations were offline during 1989 and most of 1990. The CPP calciner

came back online in December 1990 through September 1991. The calciner was offline September 1991 through December 1991.

During 1991, a total of 1,272 m³ of solid radioactive waste containing 187,569 curies was shipped to the Radioactive Waste Management Complex (RWMC) for disposal. This compares to 1,762 m³ with 207,542 curies disposed in 1990, and 1,364 m³ with 590,067 curies in 1989. By January 1, 1992, the radionuclides identified in 1991 had decayed to 131,390 curies (70%), and in 5 years they will have decayed to 78,216 curies (42%).

The majority of the nuclides disposed in solid waste at the RWMC in 1991 consisted of Co-60, Ni-63, Ta-182, Co-58, Fe-55, Mn-54, Cr-51, and W-185. These nuclides accounted for 93% of total curies.

A total of 181 m³ of solid radioactive waste containing 1,603,039 curies was placed in storage at specially designed waste storage facilities at the INEL. A total of 0.6% of the volume and 0.0004% of the radioactivity was placed in storage at the Transuranic Storage Area (TSA). Pu-241, Pu-239, and Am-241 accounted for 98% of the nuclides stored at the RWMC TSA. Storage at the CPP consisted of 99% of the volume and 99% of the radioactivity which was placed in the Calcined Solid Storage Bins. Mixed fission products accounted for 100% of these nuclides.

The 1991 stored volume was 311% higher than the 1990 stored volume and 21% of the 1989 stored volume. The CPP calcine facility did not operate in 1989 but ran from December 1990 to September 1991. The calcine facility was offline from September 1991 to December 1991. No transuranic waste from Rocky Flats, Colorado was received at the RWMC TSA in 1991.

The Waste Experimental Reduction Facility (WERF) received 1,990 m³ and 15 curies of solid radioactive waste for size reduction in 1991. During 1991, WERF disposed of 248 m³ of solid radioactive waste at the RWMC after reduction efforts. The waste received by WERF for reduction in 1991 compares to 3,179 m³ and

13 curies in 1990, and 2,663 m³ and 6 curies in 1989.

Radioactive effluent discharges at the INEL in 1991 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 1991 are published in the annual report, *The Idaho National Engineering Laboratory Site Environmental Report for*

Calendar Year 1991, DOE/ID-12082(91), published September 1992.

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 1991 is on page INEL-113 of the *INEL 1991 Summaries* section. The decay summary data for the INEL for the period of 1952-1991 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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Special Power Excursion Reactor 1991 Detail Data

Test Area North 1991 Detail Data

Test Reactor Area 1991 Detail Data

Waste Experimental Reduction Facility 1991 Detail Data

Engineered Release Points

ACRONYMS AND ABBREVIATIONS

A1W	Large Ship Reactor at NRF	LOF	Loss-of-Fluid Test
ALE	Argonne National Laboratory-East	LOFT	Loss-of-Fluid Test
ANL	Argonne National Laboratory-West	MAP	Mixed Activation Products
ARA	Auxiliary Reactor Area	MFP	Mixed Fission Products
ATR	Advanced Test Reactor	MRC	EG&G Mound (formerly Monsanto Research Corporation)
BCL	Battelle Columbus Laboratories	MTR	Materials Test Reactor
BET	Bettis Atomic Power Laboratory	MWSF	Mixed Waste Storage Facility
BNL	Brookhaven National Laboratory	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)	OMRE	Organic Moderated Reactor Experiment
CY	Calendar Year	OTH	Other
D&D	Decontamination and Decommissioning	PBF	Power Burst Facility
DCG	Derived Concentration Guides	PER	Special Power Excursion Reactor Test (also referred to as SPERT)
DOE	U.S. Department of Energy	PREPP	Process Reduction Experimental Pilot Plant
EBR-II	Experimental Breeder Reactor II	PRF	Plutonium Reclamation Facility
ECF	Expended Core Facility	QC	Quality Control
EG&G	EG&G Idaho, Incorporated	R&D	Research and Development
ETR	Engineering Test Reactor	RAL	Radiation Analysis Laboratory
FASB	Fuel Assembly and Storage Building	RESL/IL	Radiological and Environmental Sciences Laboratory/Idaho Operations
FAST	Fluorinel and Storage Facility	RFO	Rocky Flats Office (EG&G Rocky Flats, Colorado)
FCF	Fuel Cycle Facility	RLWTF	Radioactive Liquid Waste Treatment Facility
FMF	Fuel Manufacturing Facility	RWDS	Radioactive Waste Disposal System
HFEF	Hot Fuels Examination Facility	RWMC	Radioactive Waste Management Complex
HFEF-N	Hot Fuels Examination Facility-North	RWMIS	Radioactive Waste Management Information System
HFEF-S	Hot Fuels Examination Facility-South	S1W	Submarine Prototype at NRF
ICPP	Idaho Chemical Processing Plant (also referred to as CPP)	S5G	Submarine Prototype at NRF
ILTSF	Intermediate-Level Transuranic Storage Facility	SCMS	Sodium Component Maintenance Shop
INEL	Idaho National Engineering Laboratory		
L&O	Lab and Office Building		

SDA	Subsurface Disposal Area	TSA	Transuranic Storage Area
SL-1	Stationary Low Power Reactor No. 1	TSF	Test Support Facility
SMC	Specific Manufacturing Capability	WCF	Waste Calcining Facility
SPERT	Special Power Excursion Reactor Test (also referred to as PER)	WERF	Waste Experimental Reduction Facility
SPF	Sodium Process Facility	WINCO	Westinghouse Idaho Nuclear Company
SWEPP	Stored Waste Examination Pilot Plant	WMC	Waste Management Complex (also referred to as RWMC)
TAN	Test Area North	WVRF	Waste Volume Reduction Facility
TRA	Test Reactor Area	ZPPR	Zero Power Plutonium Reactor
TREAT	Transient Reactor Test 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 1991 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) 1991. A computerized Radioactive Waste Management Information System (RWMIS) has been used at the INEL since January 1971.

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

- In 1982, the database language was converted from COBOL to NOMAD, a fourth-generation database 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 database.
- 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 database. 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 database file, and (b) it provides a menu-driven selection process for

personal computer databases 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.

Quarterly, annual, and special RWMIS reports have been useful to various levels of management in appraising their radioactive waste programs. Quarterly reports contain year-to-date information. 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 Field 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 1982 to 1991 and a cumulative total for 1952 to 1981.

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 1982 to 1991 and a cumulative total for 1952 to 1981.

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 1982 to 1991 and a cumulative total for 1962 to 1981. 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 1982 to 1991 and a cumulative total for 1962 to 1981. The curie amount is adjusted to allow for radioactive decay through the last day of the current year and then 10 years later.

INEL 1991 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 1991—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 1991 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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SCHEDULE NO. P61PH022-E

RUN DATE: 05/15/92

INEL RECORD-TO-DATE SUMMARY

TYPE/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
AIRBORNE												
VOLUME	111714	8385	8524	12043	9636	12289	12220	13388	13514	13450	12963	228126
CURIES	13009052	24309	12070	4837	77262	14518	286948	173935	50370	24459	63879	13741638
LIQUID												
VOLUME	63914	2846	2734	2749	2744	2529	2536	2357	1922	2642	2490	89463
CURIES	72265	809	675	191	667	346	357	270	137	189	170	76075
SOLID DISPOSED												
VOLUME	178831	3185	5474	3906	3140	3437	2969	2045	1364	1762	1272	207385
CURIES	9097635	521620	93714	486043	271436	95085	247521	149742	590067	207542	187569	11947973
SOLID STORED												
VOLUME	47265	3063	3476	3444	3376	3128	2217	1395	880	44	181	68467
CURIES	72802512	1831771	6789280	1817475	55521	55109	3400798	8609486	51118	4456	1603039	97020765
SOLID TO MERF FOR REDUCTION												
VOLUME				78	1275	2458	2529	2967	2663	3179	1990	17139
CURIES				<1	1	2	5	6	6	13	15	49

LIQUID VOLUME IN MILLIONS OF LITERS

ONE CUBIC METER EQUALS 35.31 CUBIC FEET.

AIRBORNE VOLUME IN MILLIONS OF CUBIC METERS

ONE MILLION LITERS EQUALS 264,180 GALLONS

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Record-to-Date Summary

INEL Record-to-Date Summary

INEL 1982-1991 SOLID WASTE SENT TO WERF FOR VOLUME REDUCTION* VOLUME & CURIES

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INEL RADIOACTIVE AIRBORNE WASTE DISCHARGES

RECORD-TO-DATE

AREA\YEAR	1952-1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	TOTAL	
ANL	VOLUME CURIES	25001 44582	2355 431	2382 263	2409 250	2445 916	2406 932	2532 889	2554 618	2540 686	2535 716	2542 551	49702 50834
ARA	VOLUME CURIES	283 <1	25 <1	43 <1	34 <1	47 <1	47 <1	47 <1	32 <1				560 <1
CFA	VOLUME CURIES		35	392 <1	393 <1	140 <1	117 <1	77 <1	59 <1	58 <1	58 <1	58 <1	1388 <1
CPP	VOLUME CURIES	32760 7511907	1432 8885	1346 3702	5201 398	3332 64279	3923 10845	3911 250918	3893 170708	3794 20002	3827 20002	3916 60043	67336 8121689
CTF	VOLUME CURIES						155 <1	63					218 <1
LDF	VOLUME CURIES	313 3	69 <1	145 <1	129 27	165 8780							822 8810
NRF	VOLUME CURIES	21375 34	1999 <1	2034 <1	2114 <1	2187 <1	2722 <1	1630 <1	1745 <1	2377 <1	2151 <1	1795 <1	42128 37
PBF	VOLUME CURIES	722 <1	61 <1	61 <1	61 <1	62 <1	57 <1	58 <1	60 <1	60 <1	62 <1	63 <1	1326 <1
PER	VOLUME CURIES	** 6											** 6
SMC	VOLUME CURIES					8 <1	1424 <1	1962 32000	3046 <1	2812 28000	3031 <1	3122 <1	15405 60000
TAN	VOLUME CURIES	11899 53724	1319 <1	1114 <1	651 <1	173 <1	332 <1	660 <1	645 <1	632 <1	492 <1	191 <1	18108 53725
TRA	VOLUME CURIES	19361 5398797	1088 14991	1006 8104	1051 4162	1076 3288	1099 2741	1199 3140	1190 2609	1069 1682	1130 3741	1140 3284	30399 5446537

SCHEDULE NO. P61PM022-D

RUN DATE: 05/15/92

INEL RADIOACTIVE AIRBORNE WASTE DISCHARGES

RECORD-TO-DATE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
WER												
VOLUME						16	72	161	156	164	137	706
CURIES						<1	<1	<1	<1	<1	<1	<1
WMC												
VOLUME							9	4	15			28
CURIES							<1	<1	<1			<1
TOTAL												
VOLUME	111714	8385	8524	12043	9636	12289	12220	13388	13514	13450	12963	228126
CURIES	13009052	24309	12070	4837	77262	14518	286948	173935	50370	24459	63879	13741638

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 1982-1991 AIRBORNE
EFFLUENT VOLUME & CURIES

▨ VOLUME ■ CURIES

APRIL 1991

CFA 1982-1991 AIRBORNE
EFFLUENT VOLUME & CURIES

▨ VOLUME ■ CURIES

LAUNDRY BEGAN OPERATION IN 1982
WITH NO CURIES DETECTED - CYR 1991

ARA 1982-1991 AIRBORNE
EFFLUENT VOLUME & CURIES

▨ VOLUME ■ CURIES

ANA SHUTDOWN IN SEPT. 1986-APRIL 1991

CPP 1982-1991 AIRBORNE
EFFLUENT VOLUME & CURIES

▨ VOLUME ■ CURIES

CPPR 1991

INEL Radioactive Airborne Waste Discharges Record-to-Date

CTF 1982-1991 AIRBORNE
EFFLUENT VOLUME & CURIES

LOF 1982-1991 AIRBORNE
EFFLUENT VOLUME & CURIES

NRF 1982-1991 AIRBORNE
EFFLUENT VOLUME & CURIES

INEL Radioactive Airborne Waste Discharges Record-to-Date

PBF 1982 - 1991 AIRBORNE
EFFLUENT VOLUME & CURIES

SMC 1982 - 1991 AIRBORNE
EFFLUENT VOLUME & CURIES

Page 191

TAN 1982 - 1991 AIRBORNE
EFFLUENT VOLUME & CURIES

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INEL Radioactive Airborne Waste Discharges Record-to-Date

TRA 1982-1991 AIRBORNE
EFFLUENT VOLUME & CURIES

WER 1982-1991 AIRBORNE
EFFLUENT VOLUME & CURIES

WMC 1982-1991 AIRBORNE
EFFLUENT VOLUME & CURIES

INEL RADIOACTIVE LIQUID WASTE DISCHARGES

RECORD-TO-DATE

AREA\YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
ANL	VOLUME CURIES	59 20	2 <1	2 <1	2 <1	2 <1	2 <1	2 <1	1 <1	2 <1	2 <1	80 23
ARA	VOLUME CURIES	4 <1	24 <1	13		<1 <1	2 <1	1 <1				65 <1
CFA	VOLUME CURIES	4014 29	182 5	207 5	176 5	166 4	104 3	89 2	62 1	117 2	154 2	5464 61
CPP	VOLUME CURIES	36448 20632	2045 216	2058 437	2092 13	2020 393	2183 251	2268 216	2140 89	1664 <1	2357 <1	57383 22250
CTF	VOLUME CURIES						71 <1	22				93 <1
LOF	VOLUME CURIES	1414 <1	352 <1	294 <1	325 <1	427 <1						2813 <1
NRF	VOLUME CURIES	1569 349										1569 349
PBF	VOLUME CURIES	9 <1	<1 <1									9 <1
PER	VOLUME CURIES	76 155										76 155
TAN	VOLUME CURIES	1892 57	47 <1	52 <1	79 <1	51 <1	73 <1	82 <1	81 <1	67 <1	58 <1	2572 59
TRA	VOLUME CURIES	18430 51020 **	194 587	100 232	61 173	78 269	94 91	70 139	70 179	73 134	71 185	19339 53174
WMC	VOLUME CURIES											<1

INEL RADIOACTIVE LIQUID WASTE DISCHARGES

RECORD-TO-DATE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
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TOTAL

VOLUME	63914	2846	2734	2749	2744	2529	2536	2357	1922	2642	2490	89463
CURIES	72263	809	675	191	667	346	357	270	137	189	170	76073

* 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 Discharges Record-to-Date

ANL 1982-1991 LIQUID
EFFLUENT VOLUME & CURIES

ARA 1982-1991 LIQUID
EFFLUENT VOLUME & CURIES

ANA REL. EFF. FROM 81-88, NO ACTIVITY
DET. IN RA, SHUTDOWN IN 8/88-APR89

CFA 1982-1991 LIQUID
EFFLUENT VOLUME & CURIES

INEL Radioactive Liquid Waste Discharges Record-to-Date

CTF 1982-1991 LIQUID
EFFLUENT VOLUME & CURIES

CPP 1982-1991 LIQUID
EFFLUENT VOLUME & CURIES

LOF 1982-1991 LIQUID
EFFLUENT VOLUME & CURIES

INEL Radioactive Liquid Waste Discharges Record-to-Date

PBF 1982-1991 LIQUID
EFFLUENT VOLUME & CURIES

TAN 1982-1991 LIQUID
EFFLUENT VOLUME & CURIES

TRA 1982-1991 LIQUID
EFFLUENT VOLUME & CURIES

INEL SOLID RECORD-TO-DATE SUMMARY

DISPOSED WASTE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
ALE VOLUME CURIES	2172 229	677 185	697 59	442 37	592 71	306 10	309 840	204 50				5399 1481
ANL VOLUME CURIES	6715 896621	182 167508	187 47745	153 119289	121 126651	135 57382	109 204682	473 142614	172 463320	65 130511	30 82261	8343 2438584
ARA VOLUME CURIES	356 3917	20 98	11 3	16 2	17 5	1 <1	20 <1					442 4025
BEN VOLUME CURIES						<1 <1						<1 <1
BNL VOLUME CURIES			5 <1									5 <1
CFA VOLUME CURIES	2337 381	10 <1	83 <1	37 <1	9 <1	16 <1	4 4	5 <1	4 <1	45 <1		2549 385
CPP VOLUME CURIES	22116 498154	860 114981	2918 271	1817 301	807 112	948 214	1151 218	578 192	513 115	752 211	544 24	33004 614794
CTF VOLUME CURIES						805 277	251 25	27 <1				1083 302
D+D VOLUME CURIES	1639 61	319 49	65 5579	293 3	34 <1	53 <1	8 <1	95 <1	24 <1	21 <1	58 <1	2608 5693
LOF VOLUME CURIES	2 <1	10 <1	2 <1	11 2	49 <1							73 3
NRF VOLUME CURIES	19025 3602640	311 9048	434 39053	416 365125	347 141753	270 35930	171 29665	111 6732	134 126486	419 74086	270 102848	21908 4533368
PBF VOLUME CURIES	382 7	55 <1	76 <1	239 181	121 371	4 <1	45 11	29 3				950 573

DISPOSED WASTE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
PER VOLUME CURIES	499 24						4 <1		6 <1		2 <1	510 24
RFO VOLUME CURIES	73096 256010											73096 256010
SNC VOLUME CURIES						43 <1	7 <1	53 <1	21 <1		24 <1	148 1
T/N VOLUME CURIES	7368 101404	341 5	285 37	219 2	237 17	235 17	224 359	56 1	76 67	43 2658	24 <1	9107 104567
TRA VOLUME CURIES	13596 3636016	398 229734	278 966	261 1098	613 2452	387 1253	219 11631	158 147	62 77	37 68	72 2430	16081 3885873
WER VOLUME CURIES					192 <1	199 <1	273 <1	254 <1	328 <1	359 6	248 3	1853 10
WVC VOLUME CURIES	19341 60926	2 <1	435 <1	<1 <1		35 <1	177 83		23 <1	22 <1		20036 61009
OTHER** VOLUME CURIES	1365 2434											1365 2434
OFFSITE VOLUME CURIES	6501 37734											6501 37734
SL-1 VOLUME CURIES	2319 599											2319 599

INEL SOLID RECORD-TO-DATE SUMMARY

DISPOSED WASTE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
-----------	-----------	------	------	------	------	------	------	------	------	------	------	-------

TOTAL

VOLUME# 178827 3185 5474 3906 3140 3437 2969 2045 1364 1762 1272 207382

CURIES# 9097153 521608 93714 486040 271433 95084 247519 149740 590065 207540 187565 11947462

VOLUME IN CUBIC METERS

#HL-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 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

ANL 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

ARA 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

BEN 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

INEL Solid Record-to-Date Summary Disposed Waste

BNL 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

CPP 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

CFA 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

CTF 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

INEL Solid Record-to-Date Summary Disposed Waste

D+D 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

LOF 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

NRF 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

PBF 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

INEL Solid Record-to-Date Summary Disposed Waste

PER 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

SMC 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

TAN 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

INEL Solid Record-to-Date Summary Disposed Waste

TRA 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

WER 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

WMC 1982-1991 SOLID DISPOSED
WASTE VOLUME & CURIES

STORED WASTE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
ANL STORAGE VOLUME CURIES	81 9823028	2 66045	4 32695	<1 5356	<1 15468	1 11897	<1 16010	<1 28962	<1 44496	1 2774	1 92	10046731
ILTSF VOLUME CURIES	26 1344	14 299	9 1003	<1 49	<1 2258	8 1524	8 1524	5 3913		14 169	77 10559	
TSA VOLUME CURIES	45013 281246	2843 26427	3015 24588	3343 35070	3375 37793	3126 43211	2091 24265	1068 10612	872 6623	2 34	<1 <1	64749 489848
MCF VOLUME CURIES	2145 62696976	205 1739000	447 6731000	100 1777000			118 3359000	322 8566000	7	26 1680	177 1603000	3546 86473656
TOTAL VOLUME CURIES	47264 72802592	3063 1831771	3476 6789285	3444 1817474	3376 55520	3128 55108	2217 3400798	1395 8609486	880 51118	44 4456	178 1602999	68464 97020808

VOLUME IN CUBIC METERS

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Record-to-Date Summary Stored Waste

SCHEDULE NO. P61PM022-N

RUN DATE: 05/15/92

INEL SOLID RECORD-TO-DATE SUMMARY

ANL STORAGE WASTE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
ANL VOLUME CURIES	81 9822974	1 66045	4 32695	<1 5356	<1 15468	1 11897	<1 16010	<1 28962	<1 44496	1 2774	1 2774	92 10046677
TRA VOLUME CURIES		<1 <1										<1 <1
TOTAL VOLUME CURIES	81 9822974	2 66045	4 32695	<1 5356	<1 15468	1 11897	<1 16010	<1 28962	<1 44496	1 2774	1 2774	92 10046677

VOLUME IN CUBIC METERS

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Solid Record-to-Date Summary ANL Storage Waste

SCHEDULE NO. P61PM022-L

RUN DATE: 05/15/92

INEL SOLID RECORD-TO-DATE SUMMARY

ILTSF WASTE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
ALE												
VOLUME	21	14	3				7	3		12		60
CURIES	108	98	27				95	42		120		490
ANL												
VOLUME	2	<1	<1	<1	<1		<1	1				5
CURIES	1085	201	199	49	2258		1429	3268				8489
BET												
VOLUME								<1				<1
CURIES								604				604
CPP												
VOLUME	<1		6									6
CURIES	70		777									847
NRF												
VOLUME	3											3
CURIES	81											81
TRA												
VOLUME										2		2
CURIES										49		49
TOTAL												
VOLUME	26	14	9	<1	<1		8	5		14		77
CURIES	1344	299	1003	49	2258		1524	3913		169		10559

VOLUME IN CUBIC METERS

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Solid Record-to-Date Summary ILTSF Waste

INEL Solid Record-to-Date Summary ILTSF Waste

TSA WASTE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
ALE	VOLUME CURIES	1083 6819	194 53	95 60	37 772	20 28	36 508	5 12				1471 8253
ANL	VOLUME CURIES	6 88	<1 5	<1 1	5 192	6 125	9 212	4 59	6 126	1 23	<1 1	38 832
ARA	VOLUME CURIES	10 21										10 21
BCL	VOLUME CURIES	214 180										214 180
BEN	VOLUME CURIES					<1 19						<1 19
BET	VOLUME CURIES	422 888		6 8	<1 62		4 26					433 984
CFA	VOLUME CURIES	<1 1	<1 1									<1 1
CPP	VOLUME CURIES	34 148	7 1	2 195								43 342
CTF	VOLUME CURIES						<1 1					<1 1
D+D	VOLUME CURIES									<1 3		<1 3
MRC	VOLUME CURIES	2660 57923	638 6566	234 2338	10 882	76 55	126 104	87 1527				3831 69395
NRF	VOLUME CURIES	3 326	<1 5							<1 8		4 339

INEL SOLID RECORD-TO-DATE SUMMARY

TSA WASTE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
RFO												
VOLUME	36170	2002	2680	3293	3273	3084	1945	977	866			54291
CURIES	193533	19780	22182	33216	37450	42509	23817	9026	6497			387810
TAN												
VOLUME	<1	<1										<1
CURIES	15	1										16
TRA												
VOLUME	6	<1		<1	<1		<1					8
CURIES	1613	17		3	7	250	90					1980
INC												
VOLUME	4403						1					4404
CURIES	19736						3					19739
TOTAL												
VOLUME	45013	2843	3015	3343	3375	3126	2091	1068	872	2	<1	64750
CURIES	281291	26427	24588	35070	37793	43211	24265	10612	6623	34	<1	489914
VOLUME IN CUBIC METERS												

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Solid Record-to-Date Summary TSA Waste

INEL Solid Record-to-Date Summary TSA Waste

CFA 1982-1991 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

CTF 1982-1991 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

CPP 1982-1991 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

D&D 1982-1991 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

INEL Solid Record-to-Date Summary TSA Waste

MRC 1982-1991 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

NRF 1982-1991 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

RFO 1982-1991 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

TAN 1982-1991 TRANSURANIC STORAGE AREA
SOLID WASTE VOLUME & CURIES

INEL Solid Record-to-Date Summary TSA Waste

SCHEDULE NO. P61PM022-F

RUN DATE : 05/15/92

CPP HIGH-LEVEL LIQUID/SOLID WASTE STORAGE

RECORD-TO-DATE

TYPE/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
LIQUID WASTE TO LIQUID WASTE TANKS												
VOLUME	25614048	386000	594000									26594048
CURIES	371307008	3880000	3492000									378679040
LIQUID WASTE TO CALCINER												
VOLUME	15437183	1162000	3054000	26473248			856257	2275040		181700	1627800	51067232
CALCINED SOLIDS TO STORAGE												
VOLUME	2145	205	447	100			118	322	7	26	177	3546
CURIES	62697024	1739000	6731000	1777000			3359000	8566000		1680	1603000	86473712
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

CPP HIGH-LEVEL LIQUID/SOLID WASTE STORAGE 1982-1991 LIQUID WASTE TO CALCINER

CPP PROCESSING OPERATIONS WERE
SHUTDOWN IN 1989-CALINER

WRF WASTE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
ANL VOLUME CURIES					37 <1	84 <1	115 <1	231 <1	221 <1	150 <1	106 <1	945 2
ARA VOLUME CURIES					<1 <1	6 <1		27 <1				34 <1
CFA VOLUME CURIES				10 <1	90 <1	78 <1	104 <1	66 <1	37 <1	74 <1	<1 <1	440 <1
CPP VOLUME CURIES					245 <1	898 2	1095 4	1005 4	1094 4	1439 7	883 3	6660 24
CTF VOLUME CURIES						91 <1						91 <1
D+D VOLUME CURIES				57 <1	3 <1	342 <1			2 <1	4 <1	103 <1	512 <1
LOF VOLUME CURIES					77 <1							77 <1
NRF VOLUME CURIES					173 <1	367 <1	572 <1	1119 2	674 2	1002 4	508 6	4415 15
PBF VOLUME CURIES						9 <1	30 <1	6 <1	<1 <1	12 <1		58 <1
PER VOLUME CURIES					<1 <1	7 <1			16 <1	3 <1		26 <1
SMC VOLUME CURIES						38 <1	130 <1	178 <1	225 <1	186 <1	181 <1	938 <1
TAN VOLUME CURIES					308 <1	278 <1	192 <1	92 <1	104 <1	57 <1	37 <1	1067 <1

MERF WASTE

AREA/YEAR	1952-1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	TOTAL
TRA												
VOLUME				11	340	257	286	244	290	246	165	1837
CURIES				<1	<1	<1	<1	<1	<1	1	5	7
MHC												
VOLUME						2	4			6	6	19
CURIES						<1	<1			<1	<1	<1
TOTAL				78	1275	2458	2529	2967	2663	3179	1990	17139
CURIES				<1	1	2	5	6	6	13	15	49
VOLUME IN CUBIC METERS												

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL Solid Record-to-Date Summary WERF Waste

ANL 1982-1991 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

ARA 1982-1991 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

CFA 1982-1991 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

CPP 1982-1991 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

INEL Solid Record-to-Date Summary WERF Waste

INEL Solid Record-to-Date Summary WERF Waste

INEL Solid Record-to-Date Summary WERF Waste

TRA 1982-1991 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

TAN 1982-1991 SOLID WASTE SENT TO WERF
FOR VOLUME REDUCTION VOLUME & CURIES

WMC 1982-1991 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-51
INEL Liquid Waste Decay Data and Bar Graph	INEL-52
INEL Solid Disposed Waste Decay Data and Bar Graph	INEL-53

INEL

AIRBORNE WASTE DECAY DATA

YEAR	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE IDENTIFIED NUCLIDES	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING
1962*	4295641	8714758	209753
1982	24309	<1	2609
1983	12070	<1	1146
1984	4837	<1	156
1985	77262	<1	22679
1986	14518	<1	3970
1987	286947	0	130338
1988	173935	<1	70626
1989	50370	<1	8674
1990	24459	<1	9254
1991	63879	0	30140

* INCLUDES 1962 - 1981

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 1982-1991 AIRBORNE DECAY SUMMARY IN CURIES
DECAYED VALUE FOR IDENTIFIED NUCLIDES
ON 12/31/91

SCHEDULE NO. P61PM021-E

INEL

LIQUID WASTE DECAY DATA

YEAR	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE IDENTIFIED NUCLIDES	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING
1962*	42974	6168	3547
1982	795	13	247
1983	675	<1	227
1984	191	<1	68
1985	667	<1	264
1986	346	<1	137
1987	357	0	153
1988	270	0	123
1989	137	0	64
1990	189	0	97
1991	170	0	93

* INCLUDES 1962 - 1981

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

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL 1982 - 1991 LIQUID DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED
NUCLIDES ON 12/31/91

INEL

SOLID DISPOSED WASTE DECAY DATA

YEAR	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES	CURIES REMAINING	CURIES REMAINING	CURIES REMAINING	CURIES REMAINING
1962*	4001378	5096250	134494	3%	64687	2%
1982	437492	84128	49979	11%	20441	5%
1983	93510	203	28237	30%	20683	22%
1984	485687	355	228276	47%	172686	36%
1985	271119	316	100862	37%	70536	26%
1986	94919	165	31147	33%	19418	20%
1987	241678	5841	44336	18%	20796	9%
1988	149587	155	16926	11%	5885	4%
1989	590003	64	364177	62%	142735	24%
1990	207528	13	131219	63%	56511	27%
1991	187564	4	131526	70%	51224	27%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

INEL 1982-1991 SOLID DISPOSED DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED
NUCLIDES ON 12/31/91

Area Record-to-Date Decay Summaries

ANL-East Solid Disposed Waste Decay Data and Bar Graph	INEL-57
ANL-West Airborne Effluent Decay Data and Bar Graph	INEL-58
ANL-West Liquid Effluent Data	INEL-59
ANL-West Solid Disposed Waste Decay Data and Bar Graph	INEL-60
ARA Airborne Effluent Decay Data	INEL-61
ARA Liquid Effluent Data	INEL-62
ARA Solid Disposed Waste Decay Data and Bar Graph	INEL-63
Bendix Solid Disposed Waste Decay Data	INEL-64
BNL Solid Disposed Waste Decay Data	INEL-65
CFA Airborne Effluent Decay Data	INEL-66
CFA Liquid Effluent Data and Bar Graph	INEL-67
CFA Solid Disposed Waste Decay Data	INEL-68
CPP Airborne Effluent Decay Data and Bar Graph	INEL-69
CPP Liquid Effluent Data and Bar Graph	INEL-70
CPP Solid Disposed Waste Decay Data and Bar Graph	INEL-71
CTF Airborne Effluent Decay Data	INEL-72
CTF Liquid Effluent Data	INEL-73
CTF Solid Disposed Waste Decay Data and Bar Graph	INEL-74
D&D Solid Disposed Waste Decay Data and Bar Graph	INEL-75
LOFT Facility Airborne Effluent Decay Data and Bar Graph	INEL-76
LOFT Facility Liquid Effluent Data	INEL-77
LOFT Facility Solid Disposed Waste Decay Data and Bar Graph	INEL-78
NRF Airborne Effluent Decay Data and Bar Graph	INEL-79
NRF Liquid Effluent Data	INEL-80
NRF Solid Disposed Waste Decay Data and Bar Graph	INEL-81
PBF Airborne Effluent Decay Data	INEL-82
PBF Liquid Effluent Data	INEL-83
PBF Solid Disposed Waste Decay Data and Bar Graph	INEL-84
RFO Solid Disposed Waste Decay Data	INEL-85
SMC Airborne Effluent Decay Data and Bar Graph	INEL-86
SMC Solid Disposed Waste Decay Data	INEL-87
SPERT Airborne Effluent Decay Data	INEL-88
SPERT Liquid Effluent Data	INEL-89
SPERT Solid Disposed Waste Decay Data	INEL-90
TAN Airborne Effluent Decay Data	INEL-91
TAN Liquid Effluent Data	INEL-92
TAN Solid Disposed Waste Decay Data and Bar Graph	INEL-93
TRA Airborne Effluent Decay Data and Bar Graph	INEL-94
TRA Liquid Effluent Data and Bar Graph	INEL-95
TRA Solid Disposed Waste Decay Data and Bar Graph	INEL-96
WERF Airborne Effluent Decay Data	INEL-97
WERF Solid Disposed Waste Decay Data	INEL-98
WMC Airborne Effluent Decay Data	INEL-99
WMC Liquid Effluent Data	INEL-100
WMC Solid Disposed Waste Decay Data and Bar Graph	INEL-101

RUN DATE: 02/02/93

SCHEDULE NO. P61PH021-A

ARGONNE NATIONAL LABORATORY - EAST

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES	CURIES REMAINING	IDENTIFIED NUCLIDES	CURIES REMAINING
1962*	30	199	3	9%	<1	3%
1982	143	42	15	10%	5	4%
1983	13	47	6	44%	3	27%
1984	<1	36	<1	69%	<1	59%
1985	52	19	35	68%	23	45%
1986	4	6	3	77%	2	57%
1987	837	3	651	78%	370	44%
1988	50	<1	41	83%	24	49%
			754	67%	429	38%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

ALE 1982-1991 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

ARGONNE NATIONAL LABORATORY - WEST

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	AMOUNT (CURIES) IDENTIFIED	AT RELEASE UNIDENTIFIED NUCLEIDES	AMOUNT (CURIES) IDENTIFIED	THROUGH 12/31/91	AMOUNT (CURIES) IDENTIFIED	THROUGH 12/31/01
1962*	31921	12662	678	2%	356	1%
1982	431	0	39	9%	20	5%
1983	263	0	11	4%	6	2%
1984	250	0	21	8%	11	4%
1985	916	0	6	<1%	3	<1%
1986	932	<1	6	<1%	3	<1%
1987	889	0	7	<1%	4	<1%
1988	618	<1	3	<1%	2	<1%
1989	686	<1	2	<1%	<1	<1%
1990	716	<1	2	<1%	1	<1%
1991	551	0	72	13%	<1	<1%
TOTALS	38174	12662	846	2%	407	1%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

ANL 1982-1991 AIRBORNE DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLEIDES

▨ RELEASED ■ DECAYED ON 12/31/91

ARGONNE NATIONAL LABORATORY - WEST

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	AMOUNT (CURIES) IDENTIFIED NUCLEIDES	AT RELEASE UNIDENTIFIED NUCLEIDES	IDENTIFIED NUCLEIDES THROUGH 12/31/91	CURIES REMAINING	IDENTIFIED NUCLEIDES THROUGH 12/31/01	CURIES REMAINING
1962*	1	19	<1	47%	<1	29%
1982	<1	0	<1	59%	<1	34%
1983	<1	<1	<1	62%	<1	36%
1984	<1	0	<1	66%	<1	37%
1985	<1	0	<1	70%	<1	40%
1986	<1	0	<1	74%	<1	42%
1987	<1	0	<1	78%	<1	44%
1988	<1	0	<1	82%	<1	47%
1989	<1	0	<1	86%	<1	49%
1990	<1	0	<1	92%	<1	53%
1991	<1	0	<1	97%	<1	55%
TOTALS	4	19	2	67%	1	39%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

ARGONNE NATIONAL LABORATORY - WEST

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	IDENTIFIED NUCLIDES	RADIOACTIVITY AMOUNT (CURIES) UNIDENTIFIED NUCLIDES	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01	
			NUCLIDES	CURIES REMAINING	NUCLIDES	CURIES REMAINING
1962*	846412	50250		3857		1699
1982	167408	102		4995		1341
1983	47710	35		1966		697
1984	119270	20		6976		1981
1985	126476	177		10520		2774
1986	57325	57		6939		1882
1987	204634	50		19392		4723
1988	142488	128		11826		2433
1989	463273	48		258578		67898
1990	130505	7		68692		17010
1991	82261	<1		51155		12518
TOTALS	2387760	50874		444894		114953

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

ANL 1982 - 1991 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

☒ DISPOSED
 ☒ DECAYED ON 12/31/91
 ☒ DECAYED ON 12/31/01

AUXILIARY REACTOR AREA			
AIRBORNE EFFLUENT DECAY DATA			
ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING
	AMOUNT (CURIES) AT RELEASE IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES	
1962*	<1	<1	<1
1982	<1	<1	<1/2
1983	<1	<1	<1
1984	<1	<1	<1
1985	<1	<1	<1
1986	<1	<1	<1
1987	<1	0	<1
1988	<1	0	<1
TOTALS	<1	<1	<1

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

RUN DATE: 02/02/93

LIQUID EFFLUENT DATA

*** INCLUDES 1942 - 1981**

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

AUXILIARY REACTOR AREA

RUN DATE: 02/02/93

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	IDENTIFIED NUCLIDES	AMOUNT (CURIES) UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING	IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING	IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING	IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING
1962*	449	3467	130	29%	124	28%
1982	91	6	42	46%	32	35%
1983	<1	3	<1	100%	<1	100%
1984	<1	2	<1	65%	<1	54%
1985	4	<1	2	51%	2	39%
1986	<1	<1	<1	53%	<1	39%
1987	0	<1	0	0%	0	0%
TOTALS	545	3480	174	32%	158	29%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

ARA 1982-1991 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

☒ DISPOSED
 ☒ DECAYED ON 12/31/91
 ☒ DECAYED ON 12/31/01

RUN DATE: 02/02/93

SCHEDULE NO. P61PH021-A

BENDIX (GRAND JUNCTION, CO)

SOLID DISPOSED WASTE DECAY DATA

DECAYED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/01
CURIES REMAINING

DECAYED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/91
CURIES REMAINING

RADIOACTIVITY
AMOUNT (CURIES)
UNIDENTIFIED
NUCLIDES

ACCUMULATED IN

71%

84%

0

<1

1986

71%

84%

0

<1

TOTALS

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SCHEDULE NO. P61PM021-A

RUN DATE: 02/02/93

BROOKHAVEN NATIONAL LABORATORY

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR	
	IDENTIFIED NUCLIDES	AMOUNT (CURIES) UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING	IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING
1983	<1	0	<1	34%
TOTALS	<1	0	<1	34%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SCHEDULE NO. P61PH021-B

CENTRAL FACILITIES

RUN DATE: 02/02/93

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	AMOUNT (CURIES) IDENTIFIED	AT RELEASE UNIDENTIFIED NUCLIDES	THROUGH 12/31/91	CURIES REMAINING	THROUGH 12/31/01	CURIES REMAINING
1982	0	0	0	0	0	0%
1983	<1	<1	<1	<1	<1	25%
1984	<1	<1	<1	<1	<1	22%
1985	<1	<1	<1	<1	<1	26%
1986	<1	<1	<1	<1	<1	19%
1987	<1	0	<1	<1	<1	5%
1988	<1	0	<1	<1	<1	8%
1989	<1	0	<1	<1	<1	9%
1990	<1	0	<1	<1	<1	8%
1991	<1	0	<1	<1	<1	8%
TOTALS	<1	<1	<1	<1	<1	12%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CENTRAL FACILITIES

RUN DATE: 02/02/93

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR
	AMOUNT (CURIES) IDENTIFIED NUCLEIDES	AT RELEASE UNIDENTIFIED NUCLEIDES	IDENTIFIED NUCLEIDES THROUGH 12/31/91	CURIES REMAINING	IDENTIFIED NUCLEIDES THROUGH 12/31/01
1962*	9	20	5	53%	3
1982	5	<1	3	59%	2
1983	5	<1	3	62%	2
1984	5	0	3	65%	2
1985	4	0	3	69%	2
1986	3	0	2	73%	1
1987	2	0	2	77%	<1
1988	1	0	<1	82%	<1
1989	2	0	2	87%	1
1990	2	0	2	92%	1
1991	3	0	3	98%	1
TOTALS	42	20	28	68%	16

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CFA 1982-1991 LIQUID DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLEIDES

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 12/31/91		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/91	CURIES REMAINING	IDENTIFIED NUCLIDES THROUGH 12/31/01	CURIES REMAINING
1962*	185	196	48	26%	21	11%
1982	0	<1	0	0%	0	0%
1983	<1	<1	<1	58%	<1	37%
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	91%	<1	44%
TOTALS	186	200	49	26%	21	11%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CHEMICAL PROCESSING PLANT

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	AMOUNT (CURIES) IDENTIFIED IN NUCLEIDES	AT RELEASE UNIDENTIFIED NUCLEIDES	IDENTIFIED NUCLEIDES THROUGH 12/31/91 CURIES REMAINING	IDENTIFIED NUCLEIDES THROUGH 12/31/01 CURIES REMAINING		
1962*	1226949	6285051	398645	32%	209393	17%
1982	8885	0	4930	55%	2588	29%
1983	3702	0	2144	58%	1140	31%
1984	398	0	256	64%	145	36%
1985	64279	0	43285	67%	22672	35%
1986	10845	0	7571	70%	3966	37%
1987	250918	0	187734	75%	98333	39%
1988	170708	0	134827	79%	70624	41%
1989	20002	0	16563	83%	8673	43%
1990	20002	0	17670	88%	9252	46%
1991	60043	0	57555	96%	30139	50%
			871180	47%	456926	25%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CPP 1982 - 1991 AIRBORNE DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLEIDES

▨ RELEASED ■ DECAYED ON 12/31/91 ▨ DECAYED ON 12/31/01

CHEMICAL PROCESSING PLANT

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR	
	AMOUNT (CURIES) IDENTIFIED NUCLEIDES	AT RELEASE UNIDENTIFIED NUCLEIDES	IDENTIFIED NUCLEIDES THROUGH 12/31/91	DECAYED VALUE FOR IDENTIFIED NUCLEIDES THROUGH 12/31/01
1962*	19150	1484	4064	2325
1982	216	0	124	71
1983	437	0	268	153
1984	13	0	8	5
1985	393	0	279	159
1986	251	0	182	103
1987	216	0	167	95
1988	89	0	73	42
1989	<1	0	<1	<1
1990	<1	0	<1	<1
1991	2	0	2	1
TOTALS	20768	1484	5168	2954
				14%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CPP 1982 - 1991 LIQUID DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLEIDES

CHEMICAL PROCESSING PLANT

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR	
	IDENTIFIED NUCLIDES	AMOUNT (CURIES) UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING	IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING
1962*	373763	124558	35332	18257
1982	114961	28	373	108
1983	260	11	44	34
1984	275	26	48	36
1985	97	15	18	13
1986	184	30	35	26
1987	185	33	67	47
1988	176	15	39	26
1989	102	13	26	15
1990	211	0	61	33
1991	24	0	10	4
TOTALS	490239	124729	36052	18600

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CPP 1982-1991 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

DISPOSED DECAYED ON 12/31/91 DECAYED ON 12/31/01

SCHEDULE NO. P61PM021-B

CONTAINMENT TEST FACILITY

AIRBORNE EFFLUENT DECAY DATA

DECAYED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/01
CURIES REMAINING

DECAYED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/91
CURIES REMAINING

RADIOACTIVITY
AMOUNT (CURIES) AT RELEASE
IDENTIFIED UNIDENTIFIED
NUCLIDES NUCLIDES

ACCUMULATED IN

1986
1987

<1
0

0
0

<1
0

0
0

TOTALS

<1
0

<1
0

36%
0%

<1
0

36%
0%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

RUN DATE: 02/02/93

SCHEDULE NO. P61PH021-C

CONTAINMENT TEST FACILITY

LIQUID EFFLUENT DATA

DECEASED VALUE FOR
IDENTIFIED NUCLEIDES
THROUGH 12/31/01
CURIES REMAINING

DECEASED VALUE FOR
IDENTIFIED NUCLEIDES
THROUGH 12/31/91
CURIES REMAINING

RADIOACTIVITY
AMOUNT (CURIES) AT RELEASE
IDENTIFIED UNIDENTIFIED
NUCLEIDES NUCLEIDES

ACCUMULATED IN

<1 70%
0 0%

<1 88%
0 0%

1986 <1 0
1987 0 0

0 0

<1 70%

<1 88%

0

TOTALS

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CONTAINMENT TEST FACILITY

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR
	IDENTIFIED NUCLIDES	AMOUNT (CURIES) UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING	34%	IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING
1986	242	35	83	34%	28
1987	20	6	10	53%	3
1988	0	<1	0	0%	0
TOTALS	262	41	93	36%	31

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

CTF 1982-1991 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

DECONTAMINATION AND DECOMMISSIONING

SOLID DISPOSED WASTE DECAY DATA

DECEASED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING

DECEASED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING

RADIOACTIVITY AMOUNT (CURIES) IDENTIFIED UNIDENTIFIED NUCLIDES

ACCUMULATED IN

1962*	4	57	<1	20%	<1	12%
1982	49	<1	40	81%	32	64%
1983	5578	1	3221	58%	1909	34%
1984	1	2	<1	62%	<1	40%
1985	<1	<1	<1	43%	<1	12%
1986	<1	<1	<1	100%	<1	100%
1987	<1	<1	<1	77%	<1	54%
1988	<1	0	<1	60%	<1	16%
1989	<1	0	<1	84%	<1	48%
1990	<1	0	<1	93%	<1	72%
1991	<1	0	<1	98%	<1	74%
TOTALS	5633	60	3263	58%	1942	34%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

D+D 1982-1991 SOLID DISPOSED WASTE SUMMARY IN CURIES, DECEASED VALUE FOR IDENTIFIED NUCLIDES

DISPOSED DECEASED ON 12/31/91 DECEASED ON 12/31/01

LOSS-OF-FLUID TEST FACILITY

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECEASED VALUE FOR		DECEASED VALUE FOR
	AMOUNT (CURIES) IDENTIFIED	AT RELEASE UNIDENTIFIED NUCLEIDES	IDENTIFIED NUCLEIDES THROUGH 12/31/91	THROUGH 12/31/91	IDENTIFIED NUCLEIDES THROUGH 12/31/01
1962*	3	<1	<1	<1%	<1
1982	<1	0	<1	<1%	<1
1983	<1	0	<1	<1%	<1
1984	27	0	<1	<1%	<1
1985	8780	0	7	<1%	4
TOTALS	8810	<1	7	<1%	4

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

LOF 1982-1991 AIRBORNE DECAY SUMMARY
IN CURIES, DECEASED VALUE FOR IDENTIFIED NUCLEIDES

SCHEDULE NO. P61PM021-C

RUN DATE: 02/02/93

LOSS-OF-FLUID TEST FACILITY

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR	
	AMOUNT (CURIES) AT RELEASE	IDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES	THROUGH 12/31/91
			THROUGH 12/31/01	CURIES REMAINING
1962*	<1	<1	<1	32%
1982	<1	<1	<1	12%
1983	<1	<1	<1	36%
1984	<1	0	<1	6%
1985	<1	<1	<1	40%
TOTALS	<1	<1	<1	28%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

LOSS-OF-FLUID TEST FACILITY

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	IDENTIFIED NUCLIDES	AMOUNT (CURIES) UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/91	NUCLIDES REMAINING	IDENTIFIED NUCLIDES THROUGH 12/31/01	NUCLIDES REMAINING
1962*	0	<1	0	0%	0	0%
1982	<1	<1	<1	22%	<1	6%
1983	<1	0	<1	24%	<1	6%
1984	2	<1	<1	17%	<1	5%
1985	<1	<1	<1	31%	<1	17%
TOTALS	2	<1	<1	19%	<1	6%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

LOF 1982 - 1991 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

NAVAL REACTORS FACILITY

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	AMOUNT (CURIES) AT RELEASE	IDENTIFIED UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/91	NUCLIDES REMAINING	IDENTIFIED NUCLIDES THROUGH 12/31/01	NUCLIDES REMAINING
1962*	34	<1	5	14%	3	8%
1982	<1	<1	<1	88%	<1	81%
1983	<1	<1	<1	84%	<1	73%
1984	<1	<1	<1	95%	<1	91%
1985	<1	<1	<1	95%	<1	92%
1986	<1	0	<1	89%	<1	84%
1987	<1	0	<1	90%	<1	75%
1988	<1	0	<1	88%	<1	62%
1989	<1	0	<1	98%	<1	90%
1990	<1	0	<1	98%	<1	88%
1991	<1	0	<1	98%	<1	63%
TOTALS	37	<1	7	20%	5	14%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

NRF 1982-1991 AIRBORNE DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

☒ RELEASED
 ☒ DECAYED ON 12/31/91
 ☒ DECAYED ON 12/31/01

SCHEDULE NO. P61PH021-C

RUN DATE: 02/02/93

NAVAL REACTORS FACILITY

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR	
	AMOUNT (CURIES) IDENTIFIED NUCLIDES	AT RELEASE UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/91	IDENTIFIED NUCLIDES THROUGH 12/31/01
1962*	208	142	33	20
TOTALS	208	142	33	20

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SCHEDULE NO. P61PM021-A

NAVAL REACTORS FACILITY

RUN DATE: 02/02/93

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	IDENTIFIED NUCLIDES	RADIOACTIVITY AMOUNT (CURIES)	UNIDENTIFIED NUCLIDES	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01	
				CURIES REMAINING	%	CURIES REMAINING	%
1962*	507350	3095387		48118	9%	22286	4%
1982	9048	0		5124	57%	4108	45%
1983	39053	0		22900	59%	17981	46%
1984	365127	0		221128	61%	170605	47%
1985	141754	0		89849	63%	67420	48%
1986	35930	0		23983	67%	17429	49%
1987	29665	0		20779	70%	14647	49%
1988	6732	0		5017	75%	3401	51%
1989	126487	<1		105512	83%	74776	59%
1990	74088	0		59915	81%	37455	51%
1991	102851	0		78505	76%	39435	37%
TOTALS	1438081	3095387		680830	47%	468541	33%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

NRF 1982-1991 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

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

POWER BURST FACILITY

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	AMOUNT (CURIES) IDENTIFIED NUCLIDES	AT RELEASE UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/91	CURIES REMAINING	IDENTIFIED NUCLIDES THROUGH 12/31/01	CURIES REMAINING
1962*	<1	<1	<1	30%	<1	24%
1982	<1	<1	<1	5%	<1	4%
1983	<1	<1	<1	65%	<1	51%
1984	<1	<1	<1	61%	<1	47%
1985	<1	<1	<1	33%	<1	25%
1986	<1	<1	<1	50%	<1	40%
1987	<1	0	0	0%	0	0%
1988	<1	0	<1	6%	<1	5%
1989	<1	0	<1	52%	<1	41%
1990	<1	0	<1	5%	<1	4%
1991	<1	0	<1	51%	<1	38%
TOTALS	<1	<1	<1	29%	<1	23%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SCHEDULE NO. P61PH021-C

POWER BURST FACILITY

RUN DATE: 02/02/93

LIQUID EFFLUENT DATA

DECEASED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/01
CURIES REMAINING

DECEASED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/91
CURIES REMAINING

RADIOACTIVITY

AMOUNT (CURIES) AT RELEASE
UNIDENTIFIED
NUCLIDES

ACCUMULATED IN

<1 41%
<1 42%

<1 52%
<1 65%

<1
<1

1962*
1982

<1 41%

<1 52%

<1

TOTALS

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

POWER BURST FACILITY

RUN DATE: 02/02/93

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES	CURIES REMAINING	CURIES REMAINING	CURIES REMAINING	CURIES REMAINING
1962*	<1	7	<1	100%	<1	100%
1982	<1	<1	<1	81%	<1	64%
1983	0	<1	0	0%	0	0%
1984	0	181	0	0%	0	0%
1985	367	4	278	76%	217	59%
1986	0	<1	0	0%	0	0%
1987	8	3	5	58%	1	16%
1988	<1	2	<1	61%	<1	16%
TOTALS	376	197	283	75%	218	58%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

PBF 1982-1991 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

☒ DISPOSED ☒ DECAYED ON 12/31/91 ☒ DECAYED ON 12/31/01
 PBF HAD NO IDENTIFIED NUCLIDES IN 81, 83, 84 AND 86

ROCKY FLATS PLANT

SOLID DISPOSED WASTE DECAY DATA

DECAYED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/01
CURIES REMAINING

DECAYED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/91
CURIES REMAINING

RADIOACTIVITY
AMOUNT (CURIES)
UNIDENTIFIED
NUCLIDES

ACCUMULATED IN

4785 98%

4794 98%

251140

4870

1962*

4785 98%

4794 98%

251140

4870

TOTALS

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SPECIAL MANUFACTURING CAPABILITY

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	AMOUNT (CURIES) AT RELEASE IDENTIFIED UNIDENTIFIED NUCLIDES	RADIOACTIVITY	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING
1985	<1	0	<1	<1
1986	<1	0	<1	<1
1987	32000	0	32000	32000
1988	<1	0	<1	<1
1989	28000	0	<1	<1
1990	<1	0	<1	<1
1991	<1	0	<1	<1
TOTALS	60000	0	32000	32000
				53%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

☒ DISPOSED ☒ DECAYED ON 12/31/91 ☒ DECAYED ON 12/31/01
 SMC BEGAN OPERATION IN 1985 AND
 BEGAN REPORTING TO RWMS IN 1990

SPECIAL MANUFACTURING CAPABILITY

RUN DATE: 02/02/93

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES)		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01	
	IDENTIFIED NUCLIDES	UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/91	CURIES REMAINING	IDENTIFIED NUCLIDES THROUGH 12/31/01	CURIES REMAINING
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%
TOTALS	1	0	1	100%	1	100%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SCHEDULE NO. P61PH021-B

RUN DATE: 02/02/93

SPECIAL POWER EXCURSION REACTOR TEST

AIRBORNE EFFLUENT DECAY DATA

DECEASED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/01
CURIES REMAINING

DECEASED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/91
CURIES REMAINING

RADIOACTIVITY
AMOUNT (CURIES) AT RELEASE
IDENTIFIED UNIDENTIFIED
NUCLIDES NUCLIDES

ACCUMULATED IN

1962*

0

6

0

0%

TOTALS

0

6

0

0

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SCHEDULE NO. P61PH021-C

RUN DATE: 02/02/93

SPECIAL POWER EXCURSION REACTOR TEST

LIQUID EFFLUENT DATA

DECEASED VALUE FOR
IDENTIFIED NUCLEIDES
THROUGH 12/31/01
CURIES REMAINING

DECEASED VALUE FOR
IDENTIFIED NUCLEIDES
THROUGH 12/31/91
CURIES REMAINING

RADIOACTIVITY
AMOUNT (CURIES) AT RELEASE
IDENTIFIED UNIDENTIFIED
NUCLEIDES NUCLEIDES

ACCUMULATED IN

<1 24%

<1 30%

155

<1

1962*

<1 24%

<1 30%

155

<1

TOTALS

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SCHEDULE NO. P61PH021-A

RUN DATE: 02/02/93

SPECIAL POWER EXCURSION REACTOR TEST

SOLID DISPOSED WASTE DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	IDENTIFIED NUCLIDES	AMOUNT (CURIES) UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLEIDES THROUGH 12/31/91 CURIES REMAINING	UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLEIDES THROUGH 12/31/01 CURIES REMAINING	UNIDENTIFIED NUCLIDES
1962*	5	19	<1	11%	<1	6%
1987	<1	<1	<1	100%	<1	100%
1989	0	<1	0	0%	0	0%
1991	<1	0	<1	96%	<1	52%
TOTALS	5	19	<1	11%	<1	6%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

AIM

Association for Information and Image Management

1100 Wayne Avenue, Suite 1100
Silver Spring, Maryland 20910
301/587-8202

Centimeter

Inches

MANUFACTURED TO AIM STANDARDS
BY APPLIED IMAGE, INC.

2 of 6

TEST AREA NORTH

RUN DATE: 02/02/93

AIRBORNE EFFLUENT DECAY DATA

RADIOACTIVITY
AMOUNT (CURIES) AT RELEASE
IDENTIFIED UNIDENTIFIED
NUCLIDES NUCLIDES

DECAYED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/01
CURIES REMAINING

DECAYED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/91
CURIES REMAINING

ACCUMULATED IN

1962*	<1	53724	<1	32%	<1	25%
1982	<1	<1	<1	55%	<1	29%
1983	<1	<1	<1	70%	<1	55%
1984	<1	<1	<1	74%	<1	59%
1985	<1	<1	<1	44%	<1	35%
1986	<1	<1	<1	10%	<1	8%
1987	<1	0	<1	64%	<1	35%
1988	<1	0	<1	33%	<1	26%
1989	<1	0	<1	48%	<1	38%
1990	<1	0	<1	19%	<1	15%
1991	<1	0	<1	20%	<1	15%
TOTALS	<1	53724	<1	54%	<1	29%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TEST AREA NORTH

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	AMOUNT (CURIES) IDENTIFIED NUCLIDES	AT RELEASE UNIDENTIFIED NUCLIDES	AMOUNT (CURIES) IDENTIFIED NUCLIDES THROUGH 12/31/91	UNIDENTIFIED NUCLIDES	AMOUNT (CURIES) IDENTIFIED NUCLIDES THROUGH 12/31/01	UNIDENTIFIED NUCLIDES
1962*	18	39	6	35%	4	20%
1982	<1	<1	<1	55%	<1	33%
1983	<1	<1	<1	59%	<1	34%
1984	<1	<1	<1	66%	<1	37%
1985	<1	<1	<1	67%	<1	38%
1986	<1	0	<1	71%	<1	41%
1987	<1	0	<1	<1%	<1	<1%
1988	<1	0	<1	10%	<1	6%
1989	<1	0	<1	78%	<1	45%
1990	<1	0	<1	76%	<1	44%
1991	<1	0	<1	95%	<1	54%
TOTALS	20	39	7	37%	4	21%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

SCHEDULE NO. P61PH021-A

RUN DATE: 02/02/93

TEST AREA NORTH

SOLID DISPOSED WASTE DECAY DATA

DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING

DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING

RADIOACTIVITY AMOUNT (CURIES) IDENTIFIED UNIDENTIFIED NUCLIDES

ACCUMULATED IN

1962*	18662	82744	6892	37%	6489	35%
1982	<1	5	<1	76%	<1	59%
1983	31	5	25	79%	20	63%
1984	0	2	0	0%	0	0%
1985	0	17	0	0%	0	0%
1986	1	16	<1	89%	<1	70%
1987	11	347	8	73%	5	41%
1988	<1	1	<1	65%	<1	23%
1989	66	<1	60	90%	46	69%
1990	2658	0	2545	96%	2012	76%
1991	<1	0	<1	97%	<1	71%
TOTALS	21430	83139	9531	44%	8572	40%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TAN 1982-1991 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

DISPOSED DECAYED ON 12/31/91 DECAYED ON 12/31/01

TEST REACTOR AREA

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECEASED VALUE FOR		DECEASED VALUE FOR
	AMOUNT (CURIES) AT RELEASE	UNIDENTIFIED	IDENTIFIED NUCLIDES	THROUGH 12/31/91	IDENTIFIED NUCLIDES
	NUCLIDES	NUCLIDES	NUCLIDES	NUCLIDES	THROUGH 12/31/01
					CURIES REMAINING
1962*	3036737	2363315			1
1982	14991	<1	2	<1%	<1%
1983	8104	<1	<1	<1%	<1%
1984	4162	<1	<1	<1%	<1%
1985	3288	<1	<1	<1%	<1%
1986	2741	<1	<1	<1%	<1%
1987	3140	0	2	<1%	1
1988	2609	0	<1	<1%	<1%
1989	1682	0	<1	<1%	<1%
1990	3741	0	<1	<1%	<1%
1991	3284	0	2	<1%	<1%
TOTALS	3084472	2363315	6	<1%	2

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TRA 1982-1991 AIRBORNE DECAY SUMMARY
IN CURIES, DECEASED VALUE FOR IDENTIFIED NUCLIDES
☒ RELEASED ☒ DECEASED ON 12/31/91 ☒ DECEASED ON 12/31/01

SCHEDULE NO. P61PM021-C

TEST REACTOR AREA

LIQUID EFFLUENT DATA

DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING

DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING

RADIOACTIVITY AMOUNT (CURIES) AT RELEASE IDENTIFIED UNIDENTIFIED NUCLIDES

ACCUMULATED IN

1962*	23589	27438	2059	1195	5%
1982	573	13	305	174	30%
1983	232	<1	127	72	31%
1984	173	<1	107	61	35%
1985	269	0	181	133	38%
1986	91	<1	57	32	36%
1987	139	0	100	57	41%
1988	179	0	142	81	45%
1989	134	0	110	62	47%
1990	185	0	167	95	51%
1991	165	0	159	90	54%

TOTALS

3514

27451

25730

2023

8%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TRA 1982-1991 LIQUID DECAY SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

SCHEDULE NO. P61PH021-A

TEST REACTOR AREA

SOLID DISPOSED WASTE DECAY DATA

DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING

DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING

RADIOACTIVITY AMOUNT (CURIES) IDENTIFIED UNIDENTIFIED NUCLIDES

ACCUMULATED IN

1962*	2249675	1386548	35316	2%	11021	<1%
1982	145792	83945	39391	27%	14816	10%
1983	865	101	75	9%	39	5%
1984	1013	85	123	12%	63	6%
1985	2369	83	160	7%	87	4%
1986	1233	20	103	8%	51	4%
1987	6237	5394	3342	54%	919	15%
1988	139	8	2	1%	<1	<1%
1989	75	2	2	2%	<1	<1%
1990	68	<1	7	10%	2	3%
1991	2430	0	1857	76%	267	11%
TOTALS	2409891	1476182	80378	3%	27266	1%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

TRA 1982-1991 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

WASTE EXPERIMENTAL REDUCTION FACILITY

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	RADIOACTIVITY		DECAYED VALUE FOR		DECAYED VALUE FOR	
	AMOUNT (CURIES) IDENTIFIED	AT RELEASE UNIDENTIFIED NUCLIDES	IDENTIFIED NUCLIDES THROUGH 12/31/91	CURIES REMAINING	IDENTIFIED NUCLIDES THROUGH 12/31/01	CURIES REMAINING
1986	<1	<1	<1	28%	<1	22%
1987	<1	0	<1	34%	<1	27%
1988	<1	0	<1	33%	<1	26%
1989	<1	0	<1	6%	<1	5%
1990	<1	0	<1	10%	<1	7%
1991	<1	0	<1	50%	<1	31%
TOTALS	<1	<1	<1	37%	<1	25%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

RUN DATE: 02/02/93

SCHEDULE NO. P61PH021-A

WASTE EXPERIMENTAL REDUCTION FACILITY

SOLID DISPOSED WASTE DECAY DATA

DECAYED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/01
CURIES REMAINING

DECAYED VALUE FOR
IDENTIFIED NUCLIDES
THROUGH 12/31/91
CURIES REMAINING

RADIOACTIVITY
AMOUNT (CURIES)
UNIDENTIFIED
NUCLIDES

ACCUMULATED IN

0 0%
0 0%
0 0%
0 0%
0 0%
0 0%
0 0%
0 0%
0 0%
0 0%
0 0%

0 0%
0 0%
0 0%
0 0%
0 0%
0 0%
0 0%
0 0%
0 0%
0 0%
0 0%

<1
<1
<1
<1
<1
6
3
10

0
0
0
0
0
0
0
0
0
0
0

1985
1986
1987
1988
1989
1990
1991

TOTALS

%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

RUN DATE: 02/02/93

SCHEDULE NO. P61PM021-B

WASTE MANAGEMENT COMPLEX

AIRBORNE EFFLUENT DECAY DATA

ACCUMULATED IN	AMOUNT (CURIES) IDENTIFIED	RADIOACTIVITY (CURIES) AT RELEASE UNIDENTIFIED	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91		DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01	
			NUCLIDES	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%
TOTALS	<1	0	<1	1%	<1	<1%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

WASTE MANAGEMENT COMPLEX

LIQUID EFFLUENT DATA

ACCUMULATED IN	RADIOACTIVITY AMOUNT (CURIES) AT RELEASE IDENTIFIED UNIDENTIFIED NUCLIDES NUCLIDES	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/91 CURIES REMAINING	DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH 12/31/01 CURIES REMAINING
1962*	0	0	0%
TOTALS	0	0	%

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

4 57%
0 0%
0 0%
<1 100%
<1 98%
81 98%
<1 100%
<1 100%
85 95%

4 72%
0 0%
0 0%
<1 100%
<1 99%
82 99%
<1 100%
<1 100%
87 97%

60920
<1
<1
0
0
<1
83
<1
<1
0

1962* 6
1982 0
1983 0
1984 <1
1986 <1
1987 83
1989 <1
1990 <1

TOTALS

60920

89

85

* INCLUDES 1962 - 1981

DETAILS MAY NOT ADD UP TO TOTALS BECAUSE OF ROUNDING

WMC 1982-1991 SOLID DISPOSED WASTE SUMMARY
IN CURIES, DECAYED VALUE FOR IDENTIFIED NUCLIDES

☒ DISPOSED
☒ DECAYED ON 12/31/91
☒ DECAYED ON 12/31/01
 WMC DID NOT DISPOSE OF ANY WASTE IN 1985 AND 1988

INEL 1991 Year-to-Date Summary

INEL Year-To-Date Summary, 1991 INEL-105
INEL Year-To-Date CY-1991 Pie Charts INEL-108
INEL Year-To-Date Summary CY-1991 Bar Graphs INEL-109

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

RUN DATE: 05/20/92

 INEL YEAR TO DATE SUMMARY
 FOR JANUARY THROUGH DECEMBER 1991

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	2.542E+09	5.513E+02	2.053E+06	8.409E-02	3.014E+01	8.226E+04
CFA	5.838E+07	4.444E-06	1.921E+08	2.639E+00	5.438E+02	2.361E+01
CPP	3.916E+09	6.004E+04	2.107E+09	2.217E+00	5.613E+01	2.100E-03
D+D					2.702E+02	1.028E+05
NRF	1.795E+09	4.426E-01			1.812E+00	4.499E-04
PBF	6.251E+07	1.370E-06			2.409E+01	2.471E-01
PER					2.357E+01	7.499E-03
SMC	3.122E+09	1.461E-05			7.215E+01	2.430E+03
TAN	1.906E+08	1.368E-06	9.002E+07	1.256E-01	2.482E+02	3.177E+00
TRA	1.140E+09	3.284E+03	9.869E+07	1.653E+02		
WER*	1.372E+08	8.448E-06				
DISPOSED WASTES SUBTOTAL	1.296E+10	6.388E+04	2.490E+09	1.704E+02	1.272E+03	1.876E+05

* Waste volume disposed at RWMC is the end-product of WERF reduction processes.

SCHEDULE P6IPM009-B

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

RUN DATE: 06/26/92

PG 2 RPT. 2

INEL YEAR TO DATE SUMMARY
FOR JANUARY THROUGH AUGUST 1991

FACILITY	AIRBORNE		LIQUID		SOLID	
	VOLUME (CU. METERS)	RADIO- ACTIVITY (CURIES)	VOLUME (LITERS)	RADIO- ACTIVITY (CURIES)	VOLUME (CU. METERS)	RADIO- ACTIVITY (CURIES)

STORED WASTES

TSA WASTE FROM:
ANL

0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.905E-01	6.390E-02
0.000E+00	0.000E+00	0.000E+00	1.628E+06	1.603E+06	9.905E-01	6.390E-02

WASTE CALCINE FACILITY
CPP

0.000E+00	0.000E+00	0.000E+00	1.628E+06	1.603E+06	1.770E+02	1.603E+06
0.000E+00	0.000E+00	0.000E+00	1.628E+06	1.603E+06	1.770E+02	1.603E+06

STORED WASTES SUBTOTAL

1.628E+06	1.603E+06	1.779E+02	1.603E+06
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IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/20/92

PG 3 RPT. 2

 INEL YEAR TO DATE SUMMARY
 FOR JANUARY THROUGH DECEMBER 1991

FACILITY	AIRBORNE		LIQUID		SOLID		RADIO- ACTIVITY (CURIES)
	VOLUME (CU. METERS)	RADIO- ACTIVITY (CURIES)	VOLUME (LITERS)	RADIO- ACTIVITY (CURIES)	VOLUME (CU. METERS)	RADIO- ACTIVITY (CURIES)	

 WASTES TO BE PROCESSED
 AT WERF FROM:

ANL	1.063E+02	3.888E-01					
CFA	5.946E-01	3.180E-07					
CPP	8.834E+02	3.310E+00					
D+D	1.031E+02	3.000E-04					
NRF	5.077E+02	5.944E+00					
SHC	1.811E+02	2.355E-02					
TAN	3.668E+01	8.089E-04					
TRA	1.652E+02	5.062E+00					
WMC	6.120E+00	2.100E-02					

WERF WASTES SUBTOTAL	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.990E+03	1.475E+01
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INEL Year-to-Date Summary CY-1991

INEL LIQUID EFFLUENT

INEL AIRBORNE EFFLUENT

RADIOACTIVITY (Curies)

AREAS NOT LISTED HAVE VALUES <1% OF THE TOTAL

VOLUME (Liters)

RADIOACTIVITY (Curies)

AREAS NOT LISTED HAVE VALUES <1% OF THE TOTAL

VOLUME (Cubic Meters)

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-1991

INEL Disposed Waste Decay Summary in Curies for 1991

INEL Disposed Waste Decay Summary In Curies For 1991 INEL-113

INEL

DISPOSED WASTE DECAY SUMMARY IN Curies FOR 1991

	TOTAL IDENTIFIED NUCLIDES AT TIME OF DISPOSAL	TOTAL UNIDENTIFIED NUCLIDES AT TIME OF DISPOSAL	----- DECAYED VALUE FOR IDENTIFIED NUCLIDES THROUGH -----						
			01/01/92	01/01/93	01/01/94	01/01/95	01/01/96	01/01/97	01/01/02
AIRBORNE	63879	0	57607	53935	50559	47395	44428	41640	30135
LIQUID	170	0	163	154	146	138	130	123	93
SOLID	187562	4	131390	106402	94594	85634	78216	71908	51216

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, 1991	INEL-117
Liquid Nuclide Summary In Curies, 1991	INEL-119
Disposed Solid Waste Nuclide Summary In Curies, 1991	INEL-120
Transuranic Storage Area Nuclide Summary In Curies, 1991	INEL-122
Wet Processed Nuclide Summary In Curies, 1991	INEL-123

IDAHO OPERATIONS OFFICE
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 INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/26/92

AIRBORNE

 NUCLEIDE SUMMARY IN CURIES
 FOR JANUARY THROUGH DECEMBER 1991

PG 1

NUCLIDE IDENT	ANL	CFA	CPP	NRF	PBF	SMC	TAN	TRA	MER	TOTAL
AR-41	30							2,914		2,944
AS-76								<1		<1
BA-LA-140	<1									<1
BA-139								<1		<1
BA-140								<1		<1
C-14			<1							<1
CE-141				<1				<1		<1
CO-57			<1							<1
CO-58		<1						<1		<1
CO-60			<1					<1		<1
CR-51								<1	<1	<1
CS-134			<1							<1
CS-137		<1						<1	<1	<1
CS-138				<1				<1		<1
EU-154			<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	1									44
HG-203								<1		<1
I-129										<1
I-131								<1		<1
I-132				<1				<1		<1
I-133								<1		<1
IR-192								<1		<1
KR-85	<1		60,000	<1						60,001
KR-85M	21							17		38
KR-87	10							52		62
KR-88	16							51		68
LA-140								<1		<1
MN-54			<1					<1		<1
MN-56								<1		<1
NA-24								<1		<1
NB-95								<1		<1
DS-191								<1		<1
PA-234M						<1				<1
RB-88								<1		<1
RB-89								1		1
RE-188								<1		<1
RU-106			<1							<1
SB-125			<1							<1
SB-127		<1						<1	<1	<1
SR-90			<1		<1					<1
TC-99M								<1		<1
TH-234						<1				<1
TL-208			<1							<1
TOTAL-EU			<1							<1

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 INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/26/92

AIRBORNE
PG 2
 NUCLEIDE SUMMARY IN CURIES
 FOR JANUARY THROUGH DECEMBER 1991

NUCLEIDE IDENT	ANL	CFA	CPP	NRF	PBF	SMC	TAN	TRA	MER	TOTAL
TOTAL-PU			<1							<1
U-234						<1				<1
U-238						<1				<1
XE-133	265							15		280
XE-135	192							55		247
XE-135M	2							28		31
XE-138	4							149		153
Y-90		<1			<1		<1	<1	<1	<1
Y-91M								<1	<1	<1
ZN-65								<1	<1	<1
ZR-95								<1	<1	<1
TOTAL	544	<1	60,043	<1	<1	<1	<1	3,284	<1	63,872

RUN DATE: 05/26/92

PG 1

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INEL WASTE MANAGEMENT INFORMATION SYSTEM

SCHEDULE P61PH018-B

LIQUID
NUCLIDE SUMMARY IN CURIES
FOR JANUARY THROUGH DECEMBER 1991

NUCLIDE IDENT	ANL	CFA	CPP	TAN	TRA	TOTAL
AG-110M					<1	<1
CE-141					<1	<1
CE-144					<1	<1
CO-60			<1		<1	<1
CR-51					2	2
CS-137			<1		<1	<1
GROSS-ALPHA		<1		<1		<1
GROSS-BETA		<1		<1		<1
H-3	<1	3	2		162	167
HF-181					<1	<1
I-131					<1	<1
MN-54			<1		<1	<1
MO-99					<1	<1
NB-95					<1	<1
RE-188					<1	<1
RJ-103					<1	<1
RJ-106			<1			<1
SR-89			<1		<1	<1
SR-90		<1		<1		<1
TL-208					<1	<1
TOTAL-CS						<1
TOTAL-PU						<1
TOTAL-U			<1			<1
W-187					<1	<1
Y-90		<1		<1		<1
ZN-65					<1	<1
ZR-95					<1	<1
TOTAL	<1	3	2	<1	165	170

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DISPOSED SOLID WASTE
NUCLIDE SUMMARY IN CURIES
FOR JANUARY THROUGH DECEMBER 1991

NUCLIDE IDENT	ANL	CPP	D+D	NRF	PER	SMC	TAN	TRA	WER	TOTAL
AG-110					<1					<1
AM-241			<1					<1		<1
BA-137M				4						4
BA-140								<1		<1
BR-82								<1		<1
C-14				5						5
CO-109								<1		<1
CE-141								<1		<1
CE-144								<1		5
CO-57			5					<1		<1
CO-58				<1				1		15,936
CO-60	15,520			415	<1		<1	421		76,227
CR-51	52,772		<1	23,033				205		5,479
CS-134	5,224			50	<1			2		2
CS-137	<1				<1		<1	52		60
EU-152	<1		2	5	<1			<1		<1
EU-154	<1			<1	<1			<1		<1
EU-155	<1				<1			658		13,244
FE-55				12,586				<1		298
FE-59	297			<1				<1		18
H-3				18				<1		2,061
HF-175								<1		3,240
HF-181				2,061				<1		<1
I-129				3,240				<1		<1
I-131				<1				<1		<1
I-132								<1		<1
K-40								<1		<1
LA-140	<1								2	2
MAP	<1								2	2
MFP	<1									
MN-54	8,446			6	<1			51		8,503
NA-22	<1									<1
NB-94				<1						<1
NB-95	<1		<1	1,360				<1		1,361
NI-59				256						256
NI-63				33,993				68		34,061
PR-144			5					<1		5
PU-239	<1			<1						<1
PU-240	<1			<1						<1
RH-106	<1		2					<1		2
RU-103				<1						<1
RU-106			2					<1		2
SB-124								<1		<1
SB-125	<1		1	965	<1			25		991
SC-46								50		50
SE-75								<1		<1
SN-113				2				18		20

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 INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/26/92

 DISPOSED SOLID WASTE
 NUCLIDE SUMMARY IN CURIES
 FOR JANUARY THROUGH DECEMBER 1991

PG 2

NUCLIDE IDENT	ANL	CPP	D+0	NRF	PER	SHC	TAN	TRA	WER	TOTAL
SN-117M								112		112
SN-119				2,450						2,450
SN-119M				257						257
SR-89								<1		<1
SR-90		2	<1	<1				<1		3
TA-182	1			15,983				<1		15,984
TC-99				<1						<1
TE-125M								1		1
U-235	<1									<1
U-238	<1					<1				<1
M-185				4,676						4,676
M-187				915						915
Y-90		2		<1						2
ZN-65		<1		571				763		763
ZR-95								<1		571
TOTAL	82,262	24	<1	102,851	<1	<1	<1	2,430	3	187,570

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INEL WASTE MANAGEMENT INFORMATION SYSTEM
TRANSMURANTIC STORAGE AREA
NUCLIDE SUMMARY IN CURIES
FOR JANUARY THROUGH DECEMBER 1991

RUN DATE: 05/26/92

PG 1

NUCLIDE IDENT	ANL	RFO	TOTAL
AM-241		3	3
PU-238		<1	<1
PU-239	<1	5	5
PU-240	<1	1	1
PU-241		31	31
PU-242		<1	<1
U-235	<1		<1
U-238	<1		<1
TOTAL			
	<1	40	40

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 INEL WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/26/92

 WERF PROCESSED
 NUKLIDE SUMMARY IN CURIES
 FOR JANUARY THROUGH DECEMBER 1991

PG 1

NUKLIDE IDENT	ANL	CFA	CPP	D+D	NRF	SMC	TAN	TRA	MWC	TOTAL
AG-110M								<1		<1
BA-137M					<1					<1
BA-140								<1		<1
C-14					<1					<1
CE-141								<1		<1
CE-144			<1							<1
CO-57					<1					<1
CO-58					<1					<1
CO-60		<1		<1	3			<1	<1	6
CR-51					<1		<1			1
CS-134								<1		<1
CS-137				<1	<1		<1		<1	<1
EU-152	<1	<1			<1			<1		<1
EU-154					<1					<1
FE-55					2					2
FE-59					<1			<1		<1
HF-181								<1		<1
I-129					<1					<1
I-131								<1		<1
IR-192								<1		<1
LA-140								<1		<1
HAP	<1									<1
MFP	<1								<1	<1
MN-54					<1			<1		<1
NB-95			<1		<1			<1		<1
NK-63					<1					<1
PR-144										<1
PU-239			<1							<1
PU-240	<1									<1
RH-106	<1									<1
RU-103								<1		<1
RU-106					<1					<1
SB-124			<1					<1		<1
SB-125			<1					<1		<1
SC-46										<1
SR-90			<1		<1					<1
TA-182								<1		<1
TC-99					<1					<1
U-238						<1				<1
Y-90			<1		<1					<1
ZN-65										<1
ZR-95			<1		<1			<1		<1
TOTAL	<1	<1	3	<1	<1	6	<1	5	<1	15

Argonne National Laboratory—West 1991 Detail Data

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Argonne National Laboratory-West (ANL) Bar Graphs of Annual Data by Month

Argonne National Laboratory-West (ANL) Monthly Details - CY-1991

Argonne National Laboratory-West (ANL) Monthly Details - CY-1991

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

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

ANL AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991											PAGE	1 RPT. 401
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL		CG**	ANL-A YEARLY RELEASE % OF CS	
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*			
AR-41	7.625E-02											
CONCEN (UC/ML)		3.938E-09	3.652E-08	2.444E-08	2.673E-10	3.047E-11	3.302E-10	1.187E-08	4.984E-15	1.00E-08		
CURIES		8.526E-01	7.932E+00	5.128E+00	5.783E-02	6.377E-03	7.142E-02	3.016E+01				
% OF TOTAL		12.546	38.259	48.242	0.326	0.022	0.072	5.546				
BA-LA-140	1.276E+01											
CONCEN (UC/ML)		8.604E-16	7.147E-13	1.600E-13	1.206E-15			1.511E-13	6.347E-20	3.00E-09		
CURIES		1.863E-07	1.552E-04	3.357E-05	2.609E-07			3.841E-04				
% OF TOTAL			0.001									
GROS-BET-GAM												
CONCEN (UC/ML)		2.321E-15	1.353E-15	2.989E-15	4.021E-15	8.681E-15	9.645E-15	6.944E-15	2.916E-21			
CURIES		5.026E-07	2.938E-07	6.271E-07	8.698E-07	1.817E-06	2.086E-06	1.765E-05				
% OF TOTAL												
GROSS-ALPHA												
CONCEN (UC/ML)		4.223E-16	1.645E-16	2.711E-16	1.666E-15	3.872E-16	3.817E-16	5.491E-16	2.306E-22			
CURIES		9.142E-08	3.571E-08	5.688E-08	3.604E-07	8.104E-08	8.257E-08	1.396E-06				
% OF TOTAL												
H-3	4.490E+03											
CONCEN (UC/ML)		5.664E-11	7.740E-10	6.142E-10	5.825E-10	7.616E-11	7.583E-10	4.502E-10	1.891E-16	1.00E-07		
CURIES		1.226E-02	1.681E-01	1.289E-01	1.260E-01	1.594E-02	1.640E-01	1.144E+00				
% OF TOTAL		0.180	0.811	1.212	0.710	0.056	0.166	0.210				
KR-85	3.913E+03											
CONCEN (UC/ML)		9.940E-11	1.448E-10	1.984E-10	1.440E-10	7.037E-12	1.139E-10	2.687E-10	1.128E-16	3.00E-06		
CURIES		2.152E-02	3.144E-02	4.163E-02	3.115E-02	1.473E-03	2.464E-02	6.829E-01				
% OF TOTAL		0.317	0.152	0.392	0.176	0.005	0.025	0.126				
KR-85M	1.867E-01											
CONCEN (UC/ML)		1.126E-10	3.769E-09	1.579E-09	4.932E-09	1.157E-08	6.746E-09	8.449E-09	3.549E-15	1.00E-07		
CURIES		2.438E-02	8.185E-01	3.313E-01	1.067E+00	2.422E+00	1.459E+00	2.148E+01				
% OF TOTAL		0.359	3.948	3.117	6.015	8.532	1.476	3.949				
KR-87	5.278E-02											
CONCEN (UC/ML)		3.262E-10	2.974E-09	1.199E-09	3.326E-09	3.019E-09	2.196E-09	4.011E-09	1.685E-15	2.00E-08		
CURIES		7.061E-02	6.459E-01	2.515E-01	7.194E-01	6.319E-01	4.750E-01	1.020E+01				
% OF TOTAL		1.039	3.116	2.366	4.056	2.226	0.480	1.875				
KR-88	1.183E-01											
CONCEN (UC/ML)		3.868E-10	5.152E-09	2.180E-09	5.848E-09	1.007E-08	4.688E-09	6.412E-09	2.693E-15	9.00E-09		
CURIES		8.373E-02	1.119E+00	4.574E-01	1.265E+00	2.108E+00	1.014E+00	1.630E+01				
% OF TOTAL		1.232	5.397	4.303	7.131	7.426	1.026	2.997				

SCHED. NO. P61PM009-C

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

RUN DATE: 05/20/92

ANL AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991												PAGE	2 RPT. 401
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL		CG**	YEARLY RELEASE % OF CG		
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*				
XE-133													
CONCEN (UC/ML)	5.250E+00	1.451E-08	1.918E-08	8.886E-09	3.058E-08	1.277E-08	3.536E-07	1.043E-07	4.381E-14	5.00E-07			
CURIES		3.141E+00	4.166E+00	1.864E+00	6.614E+00	2.672E+00	7.647E+01	2.651E+02					
% OF TOTAL		46.218	20.097	17.537	37.288	9.414	77.355	48.752					
XE-135													
CONCEN (UC/ML)	3.792E-01	1.154E-08	2.551E-08	1.100E-08	3.456E-08	9.718E-08	8.693E-08	7.567E-08	3.178E-14	8.00E-08			
CURIES		2.499E+00	5.540E+00	2.307E+00	7.476E+00	2.034E+01	1.880E+01	1.924E+02					
% OF TOTAL		36.771	26.721	21.706	42.148	71.659	19.019	35.369					
XE-135M													
CONCEN (UC/ML)	1.062E-02	1.381E-10	3.640E-10	1.423E-10	4.208E-10	1.420E-10	4.039E-10	9.552E-10	4.012E-16	5.00E-08			
CURIES		2.990E-02	7.904E-02	2.985E-02	9.103E-02	2.972E-02	8.736E-02	2.428E+00					
% OF TOTAL		0.440	0.381	0.281	0.513	0.105	0.088	0.446					
XE-138													
CONCEN (UC/ML)	9.792E-03	2.820E-10	1.067E-09	4.279E-10	1.342E-09	7.510E-10	1.338E-09	1.560E-09	6.551E-16	2.00E-08			
CURIES		6.106E-02	2.317E-01	8.977E-02	2.904E-01	1.572E-01	2.895E-01	3.965E+00					
% OF TOTAL		0.899	1.118	0.844	1.637	0.554	0.293	0.729					
TOTALS													
ALPHA CURIES		9.142E-08	3.571E-08	5.688E-08	3.604E-07	8.104E-08	8.257E-08	1.396E-06					
% OF TOTAL													
B+G CURIES		6.796E+00	2.073E+01	1.063E+01	1.774E+01	2.839E+01	9.886E+01	5.438E+02					
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.997					
VOLUME (CU. METERS)		2.165E+08	2.172E+08	2.098E+08	2.163E+08	2.093E+08	2.163E+08	2.542E+09					

GRAND TOTALS (CURIES)		6.796E+00	2.073E+01	1.063E+01	1.774E+01	2.839E+01	9.886E+01	5.438E+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

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
H-3	4.490E+03	4.324E-05	4.324E-05	3.200E-05	3.200E-05	3.200E-05	4.135E-05	4.097E-05	2.00E-03	2.05
CONCEN (UC/ML)		1.669E-03	9.361E-03	3.901E-03	8.890E-03	1.490E-03	1.305E-02	8.409E-02		
CURIES		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
% OF TOTAL										
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		1.669E-03	9.361E-03	3.901E-03	8.890E-03	1.490E-03	1.305E-02	8.409E-02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (LITERS)		3.861E+04	2.165E+05	1.219E+05	2.778E+05	4.656E+04	3.157E+05	2.053E+06		
GRAND TOTALS (CURIES)		1.669E-03	9.361E-03	3.901E-03	8.890E-03	1.490E-03	1.305E-02	8.409E-02		

* 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
CE-144 CURIES % OF TOTAL	2.844E+02						1.685E-02 3.567	6.672E-02
CO-57 CURIES % OF TOTAL	2.718E+02							2.470E-03
CO-58 CURIES % OF TOTAL	7.091E+01							1.552E+04 18.867
CO-60 CURIES % OF TOTAL	1.924E+03						6.333E-02 13.407	5.277E+04 64.152
CR-51 CURIES % OF TOTAL	2.770E+01							5.224E+03 6.350
CS-134 CURIES % OF TOTAL	7.537E+02						1.844E-02 3.904	3.151E-02
CS-137 CURIES % OF TOTAL	1.101E+04						2.229E-01 47.192	5.105E-01 0.001
EU-154 CURIES % OF TOTAL	3.103E+03							2.858E-03
EU-155 CURIES % OF TOTAL	1.727E+03						1.499E-03 0.317	5.901E-03
FE-59 CURIES % OF TOTAL	4.451E+01							2.970E+02 0.361
K-40 CURIES % OF TOTAL	4.709E+11						1.333E-02 2.822	1.333E-02
LA-140 CURIES % OF TOTAL	1.678E+00						7.920E-05 0.017	7.920E-05

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
MAP CURIES % OF TOTAL								1.714E-01
MFP CURIES % OF TOTAL								2.571E-01
MN-54 CURIES % OF TOTAL	3.122E+02						5.620E-05 0.012	8.446E+03 10.267
NA-22 CURIES % OF TOTAL	9.508E+02						5.000E-02 10.584	5.000E-02
NB-95 CURIES % OF TOTAL	3.498E+01							8.929E-05
PU-239 CURIES % OF TOTAL GRAMS	8.800E+06						1.055E-03 0.223 1.699E-02	1.431E-03 2.304E-02
PU-240 CURIES % OF TOTAL GRAMS	2.394E+06							1.476E-06 6.500E-06
RH-106 CURIES % OF TOTAL	3.441E-04						8.474E-02 17.939	8.474E-02
SB-125 CURIES % OF TOTAL	1.007E+03							1.138E-03
TA-182 CURIES % OF TOTAL	1.145E+02							1.000E+00 0.001
U-235 CURIES % OF TOTAL GRAMS	2.570E+11						1.181E-06 5.468E-01	2.624E-04 1.215E+02

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
U-238	1.631E+12						7.066E-05	1.169E-04
CURIES							0.015	
% OF TOTAL							2.103E+02	3.479E+02
GRAMS								
TOTALS								
ALPHA CURIES							1.127E-03	1.811E-03
% OF TOTAL							0.239	
B+G CURIES							4.712E-01	8.226E+04
% OF TOTAL							99.761	100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU							1.699E-02	2.304E-02
TOTAL GRAMS OF PU-239+241							1.699E-02	2.304E-02
TOTAL GRAMS OF U							2.108E+02	4.694E+02
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP							1.449E+01	3.014E+01
VOLUME (CU. METERS)							3.966E+03	1.090E+04
WEIGHT (KILOGRAMS)								
GRAND TOTALS (CURIES)							4.724E-01	8.226E+04

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
PU-239 CURIES % OF TOTAL GRAMS	5.800E+06							4.347E-02 63.025 7.000E-01
PU-240 CURIES % OF TOTAL GRAMS	2.394E+06							2.043E-02 31.970 9.000E-02
U-235 CURIES % OF TOTAL GRAMS	2.570E+11							2.592E-06 0.004 1.200E+00
U-238 CURIES % OF TOTAL GRAMS	1.631E+12							5.007E-07 0.001 1.490E+00
TOTALS								5.390E-02 100.000
ALPHA CURIES % OF TOTAL								
B+G CURIES % OF TOTAL								
TOTAL GRAMS OF AM								7.900E-01
TOTAL GRAMS OF PU								7.000E-01
TOTAL GRAMS OF PU-239+241								2.690E+00
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								9.905E-01
VOLUME (CU. METERS)								3.337E+02
WEIGHT (KILOGRAMS)								6.390E-02
GRAND TOTALS (CURIES)								

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NUCLIDES	HALF LIFE (DAYS)	ANL SOLID WASTE SUMMARY			
		WASTE SENT TO MERF FOR METALLIC PROCESSING FROM JAN THROUGH DEC 1991			
		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
		JULY	DECEMBER		ANNUAL TOTAL
CS-137	1.101E+04				1.988E-01
CURIES					96.532
% OF TOTAL					
MAP					2.860E-03
CURIES					1.389
% OF TOTAL					
MFP					4.280E-03
CURIES					2.079
% OF TOTAL					

TOTALS					
ALPHA CURIES					
% OF TOTAL					2.059E-01
B+6 CURIES					100.000
% 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)					1.030E+01
WEIGHT (KILOGRAMS)					3.777E+03
GRAND TOTALS (CURIES)					2.059E-01

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NUCLIDES	HALF LIFE (DAYS)	ANL SOLID WASTE SUMMARY WRF INCINERATOR PROCESSED WASTE FROM JAN THROUGH DEC 1991					ANNUAL TOTAL
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	
MAP							
CURIES						8.800E-03	3.065E-02
% OF TOTAL						40.000	40.001
MFP							
CURIES						1.320E-02	4.597E-02
% OF TOTAL						60.000	59.999
TOTALS							
ALPHA CURIES							
% OF TOTAL							
B+G CURIES						2.200E-02	7.662E-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)						1.835E+01	7.340E+01
WEIGHT (KILOGRAMS)						1.367E+03	4.822E+03
GRAND TOTALS (CURIES)						2.200E-02	7.662E-02

ANL SOLID WASTE SUMMARY							
		WASTE SENT TO WERF FOR COMPACTION					
		FROM JAN THROUGH DEC 1991					
NUCLIDES	HALF LIFE (DAYS)	MONTHS				ANNUAL TOTAL	
		JULY	AUGUST	SEPTEMBER	OCTOBER		NOVEMBER
MAP							
CURIES							4.250E-02
% OF TOTAL							39.984
MFP							
CURIES							6.375E-02
% OF TOTAL							59.976
PU-239							
CURIES	8.800E+06						4.251E-05
% OF TOTAL							0.040
GRAMS							6.846E-04
PU-240							
CURIES	2.394E+06						7.762E-07
% OF TOTAL							0.001
GRAMS							3.419E-06
TOTALS							
ALPHA CURIES							4.329E-05
% OF TOTAL							0.041
B+G CURIES							1.062E-01
% OF TOTAL							99.959
TOTAL GRAMS OF AM							
TOTAL GRAMS OF PU							6.880E-04
TOTAL GRAMS OF PU-239+241							6.846E-04
TOTAL GRAMS OF U							
TOTAL GRAMS OF TH							
TOTAL GRAMS OF NP							2.264E+01
VOLUME (CU. METERS)							2.179E+03
WEIGHT (KILOGRAMS)							
GRAND TOTALS (CURIES)							1.063E-01

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

RUN DATE: 05/21/92

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

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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)		2.071E-08	1.668E-08	7.091E-10		2.200E-08	1.705E-08	1.283E-08	5.387E-15	1.00E-08	
CURIES		4.487E+00	3.126E+00	1.534E-01		4.774E+00	3.576E+00	1.612E+01			
% OF TOTAL		4.464	4.307	0.137		15.018	24.333	4.468			
BA-LA-140	1.276E+01										
CONCEN (UC/ML)		1.026E-13	7.451E-13	1.077E-15	1.810E-17	9.444E-14	5.873E-14	1.551E-13	6.516E-20	3.00E-09	
CURIES		2.223E-05	1.397E-04	2.330E-07	3.788E-09	2.049E-05	1.232E-05	1.949E-04			
% OF TOTAL											
GROS-BET-GAM											
CONCEN (UC/ML)		3.903E-15	2.805E-15	2.865E-15	3.290E-14	2.443E-15	9.732E-15	9.116E-15	3.829E-21		
CURIES		8.455E-07	5.257E-07	6.199E-07	6.887E-06	5.343E-07	2.041E-06	1.145E-05			
% OF TOTAL											
GROSS-ALPHA											
CONCEN (UC/ML)		1.829E-16	2.148E-15	2.458E-16	3.972E-16	3.503E-16	1.587E-16	5.474E-16	2.299E-22		
CURIES		3.962E-08	4.026E-07	5.317E-08	8.316E-08	7.601E-08	3.329E-08	6.878E-07			
% OF TOTAL											
H-3	4.490E+03										
CONCEN (UC/ML)		8.119E-10	8.020E-10	7.124E-10	3.686E-12	1.053E-10	1.200E-10	4.211E-10	1.769E-16	1.00E-07	
CURIES		1.759E-01	1.503E-01	1.541E-01	7.716E-04	2.284E-02	2.518E-02	5.291E-01			
% OF TOTAL		0.175	0.207	0.138	0.003	0.072	0.171	0.147			
KR-85	3.913E+03										
CONCEN (UC/ML)		1.250E-11	6.690E-10	5.760E-10	9.334E-11	9.006E-10	3.025E-10	4.227E-10	1.775E-16	3.00E-06	
CURIES		2.707E-03	1.254E-01	1.246E-01	1.954E-02	1.954E-01	6.344E-02	5.311E-01			
% OF TOTAL		0.003	0.173	0.111	0.067	0.615	0.432	0.147			
KR-85H	1.867E-01										
CONCEN (UC/ML)		2.410E-08	1.886E-08	2.806E-08	2.287E-11	2.131E-09	2.846E-10	1.222E-08	5.132E-15	1.00E-07	
CURIES		5.221E+00	3.535E+00	6.071E+00	4.788E-03	4.624E-01	5.969E-02	1.535E+01			
% OF TOTAL		5.194	4.871	5.424	0.016	1.455	0.406	4.257			
KR-87	5.278E-02										
CONCEN (UC/ML)		1.195E-08	8.915E-09	1.329E-08	4.420E-11	1.121E-09	7.133E-11	5.891E-09	2.474E-15	2.00E-08	
CURIES		2.589E+00	1.671E+00	2.874E+00	9.254E-03	2.433E-01	1.496E-02	7.402E+00			
% OF TOTAL		2.576	2.302	2.568	0.032	0.765	0.102	2.052			
KR-88	1.183E-01										
CONCEN (UC/ML)		1.609E-08	1.287E-08	1.835E-08	5.221E-11	1.342E-09	3.890E-10	8.159E-09	3.427E-15	9.00E-09	
CURIES		3.487E+00	2.412E+00	3.969E+00	1.093E-02	2.911E-01	8.158E-02	1.025E+01			
% OF TOTAL		3.469	3.323	3.546	0.037	0.916	0.555	2.842			

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ANL AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991											PAGE	2 RPT. 401
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		CG**	ANL-A YEARLY RELEASE % OF CS	
								TOT CURIES	YEARLY RELEASE*			
XE-133												
CONCEN (UC/ML)	5.250E+00	1.856E-07	1.567E-07	2.356E-07	1.392E-07	5.807E-08	3.777E-08	1.355E-07	5.690E-14	5.00E-07		
CURIES		4.021E+01	2.937E+01	5.097E+01	2.914E+01	1.260E+01	7.922E+00	1.702E+02				
% OF TOTAL		39.999	40.463	45.542	99.783	39.638	53.915	47.188				
XE-135												
CONCEN (UC/ML)	3.792E-01	1.963E-07	1.664E-07	2.126E-07	1.487E-11	5.867E-08	1.398E-08	1.078E-07	4.526E-14	8.00E-08		
CURIES		4.254E+01	3.118E+01	4.600E+01	3.114E-03	1.273E+01	2.933E+00	1.354E+02				
% OF TOTAL		42.316	42.965	41.102	0.011	40.046	19.959	37.534				
XE-135M												
CONCEN (UC/ML)	1.062E-02	3.273E-09	2.353E-09	3.143E-09	2.415E-11	1.106E-09	2.946E-11	1.656E-09	6.957E-16	5.00E-08		
CURIES		7.090E-01	4.410E-01	6.800E-01	5.056E-03	2.399E-01	6.179E-03	2.081E+00				
% OF TOTAL		0.705	0.608	0.608	0.017	0.755	0.042	0.577				
XE-138												
CONCEN (UC/ML)	9.792E-03	5.100E-09	3.025E-09	4.262E-09	4.733E-11	1.056E-09	5.836E-11	2.265E-09	9.511E-16	2.00E-08		
CURIES		1.105E+00	5.670E-01	9.220E-01	9.909E-03	2.291E-01	1.224E-02	2.845E+00				
% OF TOTAL		1.099	0.781	0.824	0.034	0.721	0.083	0.789				
TOTALS												
ALPHA CURIES		3.962E-08	4.026E-07	5.317E-08	8.316E-08	7.601E-08	3.329E-08	6.878E-07				
% OF TOTAL												
B+G CURIES		1.005E+02	7.258E+01	1.119E+02	2.920E+01	3.179E+01	1.469E+01	3.607E+02				
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.998				
VOLUME (CU. METERS)		2.166E+08	1.874E+08	2.163E+08	2.093E+08	2.170E+08	2.097E+08	1.256E+09				

GRAND TOTALS (CURIES)		1.005E+02	7.258E+01	1.119E+02	2.920E+01	3.179E+01	1.469E+01	3.607E+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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ANL LIQUID WASTE SUMMARY
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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)		4.599E-05	4.324E-05	4.324E-05	4.324E-05	4.324E-05	4.324E-05	4.415E-05	2.00E-03	2.21
CURIES		1.581E-02	1.234E-02	1.221E-02	5.172E-05	2.946E-03	2.363E-03	4.572E-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		1.581E-02	1.234E-02	1.221E-02	5.172E-05	2.946E-03	2.363E-03	4.572E-02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (LITERS)		3.437E+05	2.854E+05	2.824E+05	1.196E+03	6.814E+04	5.466E+04	1.035E+06		
GRAND TOTALS (CURIES)		1.581E-02	1.234E-02	1.221E-02	5.172E-05	2.946E-03	2.363E-03	4.572E-02		

* NOTE: DCS 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
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CE-144 CURIES % OF TOTAL	2.864E+02					3.210E-02 11.399	1.777E-02 4.263	4.987E-02
CO-57 CURIES % OF TOTAL	2.718E+02					2.470E-03 0.593		2.470E-03
CO-58 CURIES % OF TOTAL	7.091E+01	1.552E+04 18.867				6.815E-03 1.635		1.552E+04 18.867
CO-60 CURIES % OF TOTAL	1.924E+03	5.277E+04 64.153		2.043E-01 47.565		1.065E-01 25.552		5.277E+04 64.152
CR-51 CURIES % OF TOTAL	2.770E+01	5.224E+03 6.351						5.224E+03 6.351
CS-134 CURIES % OF TOTAL	7.537E+02					5.990E-03 2.127	7.083E-03 1.700	1.307E-02
CS-137 CURIES % OF TOTAL	1.101E+04			8.669E-02 20.182		2.840E-02 10.085	1.725E-01 41.392	2.876E-01
EU-154 CURIES % OF TOTAL	3.103E+03			2.858E-03 0.665				2.858E-03
EU-155 CURIES % OF TOTAL	1.727E+03					2.060E-04 0.073	4.196E-03 1.007	4.402E-03
FE-59 CURIES % OF TOTAL	4.451E+01	2.970E+02 0.361						2.970E+02 0.361
MAP CURIES % OF TOTAL				4.760E-02 11.082		8.572E-02 30.439	3.810E-02 9.142	1.714E-01
MFP CURIES % OF TOTAL				7.140E-02 16.623		1.286E-01 45.655	5.714E-02 13.711	2.571E-01

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		ANL DISPOSED SOLID WASTE SUMMARY FOR JAN THROUGH JUN 1991					ANNUAL TOTAL	
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	
MN-54 CURIES % OF TOTAL	3.122E+02	8.446E+03 10.267		1.643E-02 3.826		2.590E-05 0.009	3.125E-03 0.750	8.446E+03 10.267
NB-95 CURIES % OF TOTAL	3.498E+01						8.929E-05 0.021	8.929E-05 0.021
PU-239 CURIES % OF TOTAL GRAMS	8.800E+06	4.229E-06		4.511E-06 0.001		2.956E-04 0.105	7.119E-05 0.017	3.755E-04
		6.810E-05		7.264E-05		4.760E-03	1.146E-03	6.047E-03
PU-240 CURIES % OF TOTAL GRAMS	2.394E+06	9.194E-08		8.245E-08			1.301E-06	1.476E-06
		4.050E-07		3.632E-07			5.732E-06	6.500E-06
SB-125 CURIES % OF TOTAL	1.007E+03					2.450E-04 0.087	8.929E-04 0.214	1.138E-03
TA-182 CURIES % OF TOTAL	1.145E+02	1.000E+00 0.001						1.000E+00 0.001
U-235 CURIES % OF TOTAL GRAMS	2.570E+11			1.985E-04 0.046		5.776E-05 0.021	4.968E-06 0.001	2.612E-04
				9.191E+01		2.674E+01	2.300E+00	1.209E+02
U-238 CURIES % OF TOTAL GRAMS	1.631E+12			4.143E-05 0.010		4.441E-06 0.002	3.797E-07	4.625E-05
				1.233E+02		1.322E+01	1.130E+00	1.377E+02

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
ANL DISPOSED SOLID WASTE SUMMARY FOR JAN THROUGH JUN 1991								
TOTALS								
ALPHA CURIES		4.321E-06		2.445E-04		3.578E-04	7.784E-05	6.845E-04
% OF TOTAL				0.057		0.127	0.019	
B+G CURIES		8.226E+04		4.293E-01		2.813E-01	4.167E-01	8.226E+04
% OF TOTAL		100.000		99.943		99.873	99.981	100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU		6.851E-05		7.300E-05		4.760E-03	1.152E-03	6.054E-03
TOTAL GRAMS OF PU-239+241		6.810E-05		7.264E-05		4.760E-03	1.146E-03	6.047E-03
TOTAL GRAMS OF U				2.152E+02		3.996E+01	3.430E+00	2.586E+02
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		4.000E-01		9.847E+00		9.905E-01	4.414E+00	1.565E+01
WEIGHT (KILOGRAMS)		1.583E+03		3.508E+03		3.093E+02	1.537E+03	6.937E+03
GRAND TOTALS (CURIES)		8.226E+04		4.295E-01		2.816E-01	4.167E-01	8.226E+04

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
PU-239 CURIES % OF TOTAL GRAMS	8.800E+06		4.347E-02 68.025 7.000E-01					4.347E-02 68.025 7.000E-01
PU-240 CURIES % OF TOTAL GRAMS	2.394E+06		2.043E-02 31.970 9.000E-02					2.043E-02 31.970 9.000E-02
U-235 CURIES % OF TOTAL GRAMS	2.570E+11		2.592E-06 0.004 1.200E+00					2.592E-06 0.004 1.200E+00
U-238 CURIES % OF TOTAL GRAMS	1.631E+12		5.007E-07 0.001 1.490E+00					5.007E-07 0.001 1.490E+00
TOTALS ALPHA CURIES % OF TOTAL B+G CURIES % OF TOTAL			6.390E-02 100.000					6.390E-02 100.000
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)			7.900E-01 7.000E-01 2.690E+00 9.905E-01 3.337E+02					7.900E-01 7.000E-01 2.690E+00 9.905E-01 3.337E+02
GRAND TOTALS (CURIES)			6.390E-02					6.390E-02

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CS-137	1.101E+04		1.988E-01					1.988E-01
CURIES	% OF TOTAL		100.000					96.532
MAP								
CURIES	% OF TOTAL						2.860E-03	2.860E-03
MFP							40.056	1.389
CURIES	% OF TOTAL						4.280E-03	4.280E-03
							59.944	2.079

TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES			1.988E-01				7.140E-03	2.059E-01
% OF TOTAL			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)			3.000E+00				7.301E+00	1.030E+01
WEIGHT (KILOGRAMS)			1.920E+03				1.857E+03	3.777E+03
GRAND TOTALS (CURIES)			1.988E-01				7.140E-03	2.059E-01

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
ANL SOLID WASTE SUMMARY								
WERF INCINERATOR PROCESSED WASTE								
FROM JAN THROUGH JUN 1991								
MAP								
CURIES					7.356E-03		1.449E-02	2.185E-02
% OF TOTAL					40.009		39.998	40.001
HFP								
CURIES					1.103E-02		2.174E-02	3.277E-02
% OF TOTAL					59.991		60.002	59.999
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES					1.839E-02		3.623E-02	5.462E-02
% OF TOTAL					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)					1.835E+01		3.670E+01	5.505E+01
WEIGHT (KILOGRAMS)					1.353E+03		2.102E+03	3.455E+03
GRAND TOTALS (CURIES)								
					1.839E-02		3.623E-02	5.462E-02

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NUCLIDES	HALF LIFE (DAYS)	ANL SOLID WASTE SUMMARY WASTE SENT TO WERF FOR COMPACTION FROM JAN THROUGH JUN 1991					ANNUAL TOT/L
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	
MAP CURIES % OF TOTAL		2.750E-02 39.987			1.500E-02 39.977		4.250E-02 9.984
MFP CURIES % OF TOTAL		4.125E-02 59.981			2.250E-02 59.965		6.375E-02 59.976
PU-239 CURIES % OF TOTAL	8.800E+06	2.126E-05 0.031			2.125E-05 0.057		4.251E-05 0.040
GRAMS		3.424E-04			3.422E-04		6.846E-04
PU-240 CURIES % OF TOTAL	2.394E+06	3.881E-07 0.001			3.881E-07 0.001		7.762E-07 0.001
GRAMS		1.710E-06			1.710E-06		3.419E-06
TOTALS							
ALPHA CURIES		2.165E-05			2.164E-05		4.329E-05
% OF TOTAL		0.031			0.058		0.041
B+G CURIES		6.875E-02			3.750E-02		1.062E-01
% OF TOTAL		99.969			99.942		99.959
TOTAL GRAMS OF AM							
TOTAL GRAMS OF PU		3.441E-04			3.439E-04		6.880E-04
TOTAL GRAMS OF PU-239+241		3.424E-04			3.422E-04		6.846E-04
TOTAL GRAMS OF U							
TOTAL GRAMS OF TH							
TOTAL GRAMS OF NP							
VOLUME (CU. METERS)		1.132E+01			1.132E+01		2.264E+01
WEIGHT (KILOGRAMS)		1.090E+03			1.090E+03		2.179E+03
GRAND TOTALS (CURIES)		6.877E-02			3.752E-02		1.063E-01

**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 1991

EBR-II AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991											PAGE	1 RPT.	440
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL		YEARLY RELEASE#	CG##	YEARLY RELEASE % OF CG	
								AVG CONCEN/ TOT CURIES	CURIES				
AR-41													
	7.625E-02												
CONCEN (UC/ML)		4.036E-10	5.374E-09	2.372E-09	6.536E-09	7.447E-10	8.072E-09	4.922E-09	2.067E-15	1.00E-08			
CURIES		3.571E-03	4.755E-02	2.031E-02	5.783E-02	6.377E-03	7.142E-02	5.128E-01					
UNCERT(CURIES)													
UNCERT(UC/ML)													
% OF TOTAL		0.060	0.379	0.394	0.327	0.022	0.072	0.100					
H-3													
	4.490E+03												
CONCEN (UC/ML)		1.386E-09	1.264E-08	5.533E-09	1.424E-08	1.861E-09	1.854E-08	9.629E-09	4.044E-15	1.00E-07			
CURIES		1.226E-02	1.118E-01	4.739E-02	1.260E-01	1.594E-02	1.640E-01	1.003E+00					
UNCERT(CURIES)													
UNCERT(UC/ML)													
% OF TOTAL		0.208	0.891	0.896	0.712	0.056	0.166	0.196					
KR-85M													
	1.867E-01												
CONCEN (UC/ML)		2.755E-09	9.251E-08	3.869E-08	1.206E-07	2.828E-07	1.649E-07	2.061E-07	8.658E-14	1.00E-07			
CURIES		2.438E-02	8.185E-01	3.313E-01	1.067E+00	2.422E+00	1.459E+00	2.148E+01					
UNCERT(CURIES)													
UNCERT(UC/ML)													
% OF TOTAL		0.413	6.523	6.267	6.026	8.533	1.476	4.189					
KR-87													
	5.278E-02												
CONCEN (UC/ML)		7.980E-09	7.300E-08	2.937E-08	8.131E-08	7.379E-08	5.368E-08	9.787E-08	4.110E-14	2.00E-08			
CURIES		7.061E-02	6.459E-01	2.515E-01	7.194E-01	6.319E-01	4.750E-01	1.020E+01					
UNCERT(CURIES)													
UNCERT(UC/ML)													
% OF TOTAL		1.196	5.148	4.757	4.063	2.226	0.481	1.989					
KR-88													
	1.183E-01												
CONCEN (UC/ML)		7.928E-09	1.122E-07	4.387E-08	1.430E-07	2.462E-07	1.146E-07	1.519E-07	6.379E-14	9.00E-09			
CURIES		7.015E-02	9.928E-01	3.757E-01	1.265E+00	2.108E+00	1.014E+00	1.582E+01					
UNCERT(CURIES)													
UNCERT(UC/ML)													
% OF TOTAL		1.188	7.912	7.106	7.145	7.427	1.026	3.087					
XE-133													
	5.250E+00												
CONCEN (UC/ML)		3.548E-07	4.685E-07	2.165E-07	7.475E-07	3.120E-07	8.643E-06	2.544E-06	1.069E-12	5.00E-07			
CURIES		3.139E+00	4.145E+00	1.854E+00	6.614E+00	2.672E+00	7.647E+01	2.651E+02					
UNCERT(CURIES)													
UNCERT(UC/ML)													
% OF TOTAL		53.150	33.035	35.068	37.355	9.414	77.375	51.704					
XE-135													
	3.792E-01												
CONCEN (UC/ML)		2.820E-07	6.188E-07	2.671E-07	8.448E-07	2.375E-06	2.125E-06	1.845E-06	7.748E-13	8.00E-08			
CURIES		2.495E+00	5.475E+00	2.287E+00	7.475E+00	2.034E+01	1.880E+01	1.922E+02					
UNCERT(CURIES)													
UNCERT(UC/ML)													
% OF TOTAL		42.246	43.635	43.259	42.218	71.662	19.023	37.489					

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EBR-II AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
XE-135M	1.062E-02									
CONCEN (UC/ML)		3.379E-09	8.933E-09	3.486E-09	1.029E-08	3.471E-09	9.873E-09	2.331E-08	9.788E-15	5.00E-08
CURIES		2.990E-02	7.904E-02	2.985E-02	9.103E-02	2.972E-02	8.736E-02	2.428E+00		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		0.506	0.630	0.565	0.514	0.105	0.088	0.474		
XE-138	9.792E-03									
CONCEN (UC/ML)		6.901E-09	2.619E-08	1.048E-08	3.282E-08	1.836E-08	3.272E-08	3.806E-08	1.598E-14	2.00E-08
CURIES		6.106E-02	2.317E-01	8.977E-02	2.904E-01	1.572E-01	2.895E-01	3.965E+00		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		1.034	1.847	1.698	1.640	0.554	0.293	0.773		

TOTALS

ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

5.906E+00 1.255E+01 5.287E+00 1.771E+01 2.838E+01 9.883E+01 5.127E+02
100.000 100.000 100.000 100.000 100.000 100.000 99.998

VOLUME (CU. METERS) 8.848E+06 8.848E+06 8.563E+06 8.848E+06 8.563E+06 8.848E+06 1.042E+08

GRAND TOTALS (CURIES) 5.906E+00 1.255E+01 5.287E+00 1.771E+01 2.838E+01 9.883E+01 5.127E+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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EBR-II LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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)		4.324E-05	4.324E-05	3.200E-05	3.200E-05	3.200E-05	4.135E-05	4.097E-05	2.00E-03	2.05
CURIES		1.669E-03	9.361E-03	3.901E-03	8.890E-03	1.490E-03	1.305E-02	8.409E-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

% OF TOTAL

VOLUME (LITERS)

GRAND TOTALS (CURIES)

* 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 CONCN/ TOT CURIES YEARLY RELEASE* CG** ANL-A PAGE 1 RPT. 470 YEARLY RELEASE % OF CG

FASB AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

GROSS-BET-GAM
CONCN (UC/ML) 1.960E-15 3.800E-15 7.000E-16 3.590E-15 4.189E-16 6.118E-23
CURIES 2.279E-08 4.419E-08 7.875E-09 4.175E-08 5.735E-08

UNCERT(CURIES) 100.000 100.000 100.000 100.000 79.150
UNCERT(UC/ML) 100.000 100.000 100.000 100.000 20.850
% OF TOTAL

GROSS-ALPHA
CONCN (UC/ML) 3.590E-15 4.175E-08 100.000 4.175E-08 5.735E-08
CURIES 4.175E-08 100.000 100.000 100.000 79.150
UNCERT(CURIES) 100.000 100.000 100.000 100.000 20.850
UNCERT(UC/ML) 100.000 100.000 100.000 100.000 20.850
% OF TOTAL

TOTALS
ALPHA CURIES 4.175E-08 100.000 4.175E-08 100.000 5.735E-08
% OF TOTAL 2.279E-08 4.419E-08 7.875E-09 4.175E-08 20.850
B+G CURIES 100.000 100.000 100.000 100.000 79.150
% OF TOTAL 1.163E+07 1.163E+07 1.125E+07 1.163E+07 1.163E+07
VOLUME (CU. METERS) 2.279E-08 4.419E-08 7.875E-09 4.175E-08 2.750E-07
GRAND TOTALS (CURIES)

* 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-A
YEARLY
RELEASE
% OF CG

FMF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**
GROSS-BET-GAM CONCEN (UC/ML)		4.650E-16		7.970E-16	1.270E-15	4.300E-15		1.119E-15	1.081E-22	
CURIES		5.761E-09		9.556E-09	1.574E-08	5.156E-08		1.632E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		100.000		100.000	87.225	89.397		90.881		
GROSS-ALPHA CONCEN (UC/ML)					1.860E-16	5.100E-16		1.122E-16	1.084E-23	
CURIES					2.305E-09	6.115E-09		1.637E-08		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL					12.775	10.603		9.119		
TOTALS										
ALPHA CURIES					2.305E-09	6.115E-09		1.637E-08		
% OF TOTAL					12.775	10.603		9.119		
B+G CURIES		5.761E-09		9.556E-09	1.574E-08	5.156E-08		1.632E-07		
% OF TOTAL		100.000		100.000	87.225	89.397		90.881		
VOLUME (CU. METERS)		1.239E+07	1.239E+07	1.199E+07	1.239E+07	1.199E+07	1.239E+07	1.459E+08		
GRAND TOTALS (CURIES)		5.761E-09		9.556E-09	1.804E-08	5.767E-08		1.796E-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: 05/20/92

HFEF-S AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

PAGE 1 RPT. 430
ANL-A YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	YEARLY RELEASE % OF CG
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TOTALS
ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

VOLUME (CU. METERS)	5.056E+07	5.056E+07	4.893E+07	5.056E+07	5.056E+07	4.893E+07	5.056E+07	5.953E+08		
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GRAND TOTALS (CURIES)

* 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

L&O MAIN STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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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**	YEARLY RELEASE % OF CG
GROSS-BET-GAM CONCN (UC/ML)		1.370E-14	5.620E-15	1.460E-14	2.370E-14	5.240E-14	5.600E-14	4.065E-14	1.558E-20		
CURIES		4.329E-07	1.776E-07	4.465E-07	7.489E-07	1.602E-06	1.770E-06	1.512E-05			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		92.070	94.740	89.626	76.329	96.164	96.719	96.385			
GROSS-ALPHA CONCN (UC/ML)		1.180E-15	3.120E-16	1.690E-15	7.350E-15	2.090E-15	1.900E-15	1.524E-15	5.843E-22		
CURIES		3.729E-08	9.859E-09	5.168E-08	2.323E-07	6.391E-08	6.004E-08	5.672E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		7.930	5.260	10.374	23.672	3.836	3.282	3.615			
TOTALS											
ALPHA CURIES		3.729E-08	9.859E-09	5.168E-08	2.323E-07	6.391E-08	6.004E-08	5.672E-07			
% OF TOTAL		7.930	5.260	10.374	23.672	3.836	3.282	3.615			
B+G CURIES		4.329E-07	1.776E-07	4.465E-07	7.489E-07	1.602E-06	1.770E-06	1.512E-05			
% OF TOTAL		92.070	94.740	89.626	76.329	96.164	96.719	96.385			
VOLUME (CU. METERS)		3.160E+07	3.160E+07	3.058E+07	3.160E+07	3.058E+07	3.160E+07	3.721E+08			
GRAND TOTALS (CURIES)		4.702E-07	1.875E-07	4.981E-07	9.812E-07	1.666E-06	1.830E-06	1.569E-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: 05/20/92

NDA LABORATORY AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NDA LABORATORY AIRBORNE WASTE SUMMARY												PAGE	1 RPT. 422
FOR JAN THROUGH DEC 1991												ANL-A	
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL		YEARLY RELEASE#	YEARLY RELEASE % OF CG		
								AVG CONCEN/ TOT CURIES					
GROSS-BET-GAM													
CONCEN (UC/ML)				6.520E-16			4.000E-15	6.806E-16	2.609E-22				
CURIES			1.160E-15	2.272E-08	1.236E-08		7.836E-08	1.570E-07					
UNCERT(CURIES)													
UNCERT(UC/ML)													
% OF TOTAL			94.957	100.000			100.000	72.119					
GROSS-ALPHA													
CONCEN (UC/ML)			6.160E-17		2.400E-15			2.631E-16	1.009E-22				
CURIES			1.207E-09		4.702E-08			6.069E-08					
UNCERT(CURIES)													
UNCERT(UC/ML)													
% OF TOTAL			5.043	100.000				27.881					
TOTALS													
ALPHA CURIES			1.207E-09		4.702E-08			6.069E-08					
% OF TOTAL			5.043		100.000			27.881					
B+G CURIES			2.272E-08	1.236E-08			7.836E-08	1.570E-07					
% OF TOTAL			94.957	100.000			100.000	72.119					
VOLUME (CU. METERS)		1.959E+07	1.959E+07	1.896E+07	1.959E+07	1.896E+07	1.959E+07	2.307E+08					

GRAND TOTALS (CURIES)			2.393E-08	1.236E-08	4.702E-08		7.836E-08	2.177E-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

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RLMTF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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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**	YEARLY RELEASE % OF CG
GROSS-BET-GAM CONCEN (UC/ML) CURIES UNCERT(CURIES) UNCERT(UC/ML) % OF TOTAL											
								5.891E-16	2.504E-23		
								3.157E-08			
GROSS-ALPHA CONCEN (UC/ML) CURIES UNCERT(CURIES) UNCERT(UC/ML) % OF TOTAL											
		6.230E-16				4.550E-16		2.417E-16	1.027E-23		
		2.835E-09				2.004E-09		1.295E-08			
		100.000				100.000					
H-3 CONCEN (UC/ML) CURIES UNCERT(CURIES) UNCERT(UC/ML) % OF TOTAL	4.490E+03										
			1.237E-08	1.850E-08				2.633E-09	1.119E-16	1.00E-07	
			5.629E-02	8.147E-02				1.411E-01			
			100.000	100.000				100.000			
TOTALS											
ALPHA CURIES		2.835E-09				2.004E-09		1.295E-08			
% OF TOTAL		100.000				100.000					
B+G CURIES			5.629E-02	8.147E-02				1.411E-01			
% OF TOTAL			100.000	100.000				100.000			
VOLUME (CU. METERS)		4.551E+06	4.551E+06	4.404E+06	4.551E+06	4.404E+06	4.551E+06	5.358E+07			
GRAND TOTALS (CURIES)		2.835E-09	5.629E-02	8.147E-02		2.004E-09		1.411E-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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ANL-A YEARLY
RELEASE
% OF CG

SCHS AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE#	COM#
GROSS-BET-GAM CONCEN (UC/ML)		2.500E-15	3.000E-15	9.400E-15	6.400E-15	1.000E-14	1.030E-14	8.019E-15	8.668E-22	
CURIES		4.107E-08	4.929E-08	1.495E-07	1.052E-07	1.590E-07	1.692E-07	1.551E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		93.284	100.000	96.907	86.604	94.832	97.317	94.096		
GROSS-ALPHA CONCEN (UC/ML)		1.800E-16								
CURIES		2.957E-09								
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		6.716		3.093	13.396	5.168	2.683	5.904		
TOTALS										
ALPHA CURIES		2.957E-09		4.770E-09	1.627E-08	8.666E-09	4.666E-09	9.732E-08		
% OF TOTAL		6.716		3.093	13.396	5.168	2.683	5.904		
B+G CURIES		4.107E-08	4.929E-08	1.495E-07	1.052E-07	1.590E-07	1.692E-07	1.551E-06		
% OF TOTAL		93.284	100.000	96.907	86.604	94.832	97.317	94.096		
VOLUME (CU. METERS)		1.643E+07	1.643E+07	1.590E+07	1.643E+07	1.590E+07	1.643E+07	1.935E+08		
GRAND TOTALS (CURIES)		4.403E-08	4.929E-08	1.542E-07	1.214E-07	1.677E-07	1.739E-07	1.649E-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

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TREAT AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991											PAGE	1 RPT. 410
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL		YEARLY RELEASE* CG**	ANL-A	YEARLY RELEASE % OF CG
								AVG CONCEN/ TOT CURIES	CURIES			
AR-41												
CONCEN (UC/ML)	7.625E-02	3.965E-06	8.839E-06	1.023E-05				8.363E-06	3.512E-13	1.00E-08		
CURIES		8.490E-01	7.884E+00	5.108E+00				2.965E+01				
UNCERT(CURIES)												
UNCERT(UC/ML)												
% OF TOTAL		97.848	97.846	97.847				97.846				
BA-LA-140												
CONCEN (UC/ML)	1.276E+01	8.700E-13	1.740E-10	6.720E-11	5.750E-12			1.083E-10	4.550E-18	3.00E-09		
CURIES		1.863E-07	1.552E-04	3.357E-05	2.609E-07			3.841E-04				
UNCERT(CURIES)												
UNCERT(UC/ML)												
% OF TOTAL			0.002	0.001	92.622			0.001				
GROSS-BET-GAM												
CONCEN (UC/ML)							8.440E-12	1.941E-14	8.153E-22			
CURIES							6.883E-08	6.883E-08				
UNCERT(CURIES)												
UNCERT(UC/ML)												
% OF TOTAL							79.398					
GROSS-ALPHA												
CONCEN (UC/ML)		3.000E-14			4.580E-13			2.190E-12	1.257E-13	5.278E-21		
CURIES		6.423E-09			2.078E-08			1.786E-08	4.456E-07			
UNCERT(CURIES)												
UNCERT(UC/ML)												
% OF TOTAL					7.378		20.602					
KR-88												
CONCEN (UC/ML)	1.183E-01	6.343E-08	1.414E-07	1.636E-07				1.338E-07	5.620E-15	9.00E-09		
CURIES		1.358E-02	1.261E-01	8.173E-02				4.744E-01				
UNCERT(CURIES)												
UNCERT(UC/ML)												
% OF TOTAL		1.565	1.565	1.566				1.566				
XE-133												
CONCEN (UC/ML)	5.250E+00	7.931E-09	1.768E-08	2.046E-08				1.673E-08	7.025E-16	5.00E-07		
CURIES		1.698E-03	1.577E-02	1.022E-02				5.931E-02				
UNCERT(CURIES)												
UNCERT(UC/ML)												
% OF TOTAL		0.196	0.196	0.196				0.196				
XE-135												
CONCEN (UC/ML)	3.792E-01	1.586E-08	3.536E-08	4.090E-08				3.345E-08	1.405E-15	8.00E-08		
CURIES		3.396E-03	3.154E-02	2.043E-02				1.186E-01				
UNCERT(CURIES)												
UNCERT(UC/ML)												
% OF TOTAL		0.391	0.391	0.391				0.391				

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
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ANL-A YEARLY
RELEASE
% OF CS

TREAT AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CS
TOTALS											
ALPHA CURIES		6.423E-09			2.078E-08		1.786E-08	4.456E-07			
% OF TOTAL					7.378		20.602				
B+G CURIES		8.677E-01	8.058E+00	5.220E+00	2.609E-07		6.883E-08	3.030E+01			
% OF TOTAL		100.000	100.000	100.000	92.622		79.398	59.999			
VOLUME (CU. METERS)		2.141E+05	8.920E+05	4.995E+05	4.537E+04	1.529E+04	8.155E+03	3.546E+06			
GRAND TOTALS (CURIES)		8.677E-01	8.058E+00	5.220E+00	2.817E-07		8.669E-08	3.030E+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: 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

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ANL-A
YEARLY
RELEASE
% OF CG

ZPPR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**
GROSS-BET-6AM CONCEN (UC/ML) CURIES UNCERT(CURIES) UNCERT(UC/ML) % OF TOTAL				2.250E-16 1.376E-09 76.091		6.720E-16 4.110E-09		1.250E-15 9.301E-08	5.463E-23	
GROSS-ALPHA CONCEN (UC/ML) CURIES UNCERT(CURIES) UNCERT(UC/ML) % OF TOTAL			3.900E-15 2.465E-08	7.070E-17 4.324E-10		5.610E-17 3.431E-10		4.693E-16 3.492E-08	2.051E-23	
XE-133 CONCEN (UC/ML) CURIES UNCERT(CURIES) UNCERT(UC/ML) % OF TOTAL	5.250E+00	9.801E-12 6.194E-05 14.454	8.820E-10 5.574E-03 14.454		3.919E-11 2.477E-04 14.454	2.940E-11 1.798E-04 14.456	4.410E-11 2.787E-04 14.450	9.087E-11 6.762E-03 14.454	3.971E-18	5.00E-07
XE-135 CONCEN (UC/ML) CURIES UNCERT(CURIES) UNCERT(UC/ML) % OF TOTAL	3.792E-01	5.801E-11 3.666E-04 85.546	5.220E-09 3.299E-02 85.546		2.320E-10 1.466E-03 85.546	1.740E-10 1.064E-03 85.544	2.611E-10 1.650E-03 85.550	5.378E-10 4.002E-02 85.546	2.351E-17	8.00E-08
TOTALS ALPHA CURIES % OF TOTAL B+G CURIES % OF TOTAL			2.465E-08 3.856E-02 100.000	4.324E-10 1.376E-09 76.091		3.431E-10 1.714E-03 100.000		3.492E-08 4.678E-02 100.000		
VOLUME (CU. METERS)		6.320E+06	6.320E+06	6.116E+06	6.320E+06	6.116E+06	6.320E+06	7.441E+07		
GRAND TOTALS (CURIES)		4.285E-04	3.856E-02	1.809E-09	1.714E-03	1.244E-03	1.929E-03	4.678E-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

**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 1991

EBR-II AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991													PAGE	1 RPT. 440
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		YEARLY RELEASE# CG**	ANL-A	YEARLY RELEASE % OF CG		
								AVG CONCEN/ TOT CURIES	CURIES					
AR-41														
	7.625E-02													
CONCEN (UC/ML)		8.072E-09	8.072E-09	1.734E-08		7.812E-10	1.111E-09	5.918E-09	2.486E-15	1.00E-08				
CURIES		7.142E-02	6.451E-02	1.534E-01		6.912E-03	9.511E-03	3.058E-01						
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL		0.074	0.093	0.137		0.026	0.087	0.089						
H-3														
	4.490E+03													
CONCEN (UC/ML)		1.978E-08	1.881E-08	1.733E-08	2.416E-11	2.553E-09	2.841E-09	1.018E-08	4.274E-15	1.00E-07				
CURIES		1.750E-01	1.503E-01	1.533E-01	2.069E-04	2.259E-02	2.433E-02	5.257E-01						
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL		0.182	0.217	0.137	0.001	0.085	0.221	0.153						
KR-85M														
	1.867E-01													
CONCEN (UC/ML)		5.901E-07	4.423E-07	6.861E-07	5.591E-10	5.226E-08	6.971E-09	2.972E-07	1.248E-13	1.00E-07				
CURIES		5.221E+00	3.535E+00	6.071E+00	4.788E-03	4.624E-01	5.969E-02	1.535E+01						
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL		5.438	5.099	5.431	0.016	1.731	0.543	4.463						
KR-87														
	5.278E-02													
CONCEN (UC/ML)		2.926E-07	2.091E-07	3.248E-07	1.081E-09	2.750E-08	1.747E-09	1.433E-07	6.017E-14	2.00E-08				
CURIES		2.589E+00	1.671E+00	2.874E+00	9.254E-03	2.433E-01	1.496E-02	7.402E+00						
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL		2.697	2.410	2.571	0.032	0.911	0.136	2.152						
KR-88														
	1.183E-01													
CONCEN (UC/ML)		3.861E-07	2.957E-07	4.486E-07	1.276E-09	2.428E-08	2.863E-09	1.935E-07	8.128E-14	9.00E-09				
CURIES		3.416E+00	2.363E+00	3.969E+00	1.093E-02	2.148E-01	2.452E-02	9.998E+00						
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL		3.558	3.409	3.550	0.037	0.804	0.223	2.906						
XE-133														
	5.250E+00													
CONCEN (UC/ML)		4.543E-06	3.674E-06	5.761E-06	3.403E-06	1.423E-06	9.243E-07	3.294E-06	1.383E-12	5.00E-07				
CURIES		4.020E+01	2.936E+01	5.097E+01	2.914E+01	1.259E+01	7.915E+00	1.702E+02						
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL		41.872	42.353	45.593	99.853	47.120	72.057	49.468						
XE-135														
	3.792E-01													
CONCEN (UC/ML)		4.806E-06	3.900E-06	5.199E-06	3.222E-10	1.436E-06	3.408E-07	2.619E-06	1.100E-12	8.00E-08				
CURIES		4.252E+01	3.117E+01	4.600E+01	2.759E-03	1.271E+01	2.918E+00	1.353E+02						
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL		44.289	44.964	41.148	0.009	47.569	26.565	39.337						

SCHED. NO. P61PM009-D

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

RUN DATE: 05/21/92

EBR-II AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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ANL-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	YEARLY RELEASE % OF CG
XE-135M	1.062E-02									
CONCEN (UC/ML)		8.013E-08	5.518E-08	7.685E-08	5.904E-10	2.711E-08	7.216E-10	4.028E-08	1.692E-14	5.00E-08
CURIES		7.090E-01	4.410E-01	6.800E-01	5.056E-03	2.399E-01	6.179E-03	2.081E+00		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		0.738	0.636	0.608	0.017	0.898	0.056	0.605		
XE-138	9.792E-03									
CONCEN (UC/ML)		1.249E-07	7.095E-08	1.042E-07	1.157E-09	2.589E-08	1.429E-09	5.507E-08	2.313E-14	2.00E-08
CURIES		1.105E+00	5.670E-01	9.220E-01	9.909E-03	2.291E-01	1.224E-02	2.845E+00		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		1.151	0.818	0.825	0.034	0.857	0.111	0.827		
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		9.601E+01	6.932E+01	1.118E+02	2.918E+01	2.672E+01	1.098E+01	3.440E+02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.999		
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)		9.601E+01	6.932E+01	1.118E+02	2.918E+01	2.672E+01	1.098E+01	3.440E+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

SCHED. NO. P61PM009-F

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

RUN DATE: 05/21/92

EBR-II LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

PAGE 1 RPT. 441
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)		4.599E-05	4.324E-05	4.324E-05	4.324E-05	4.324E-05	4.324E-05	4.415E-05	2.00E-03	2.21
CURIES		1.581E-02	1.234E-02	1.221E-02	5.172E-05	2.946E-03	2.363E-03	4.572E-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+6 CURIES
% OF TOTAL

1.581E-02 1.234E-02 1.221E-02 5.172E-05 2.946E-03 2.363E-03 4.572E-02
100.000 100.000 100.000 100.000 100.000 100.000 100.000

VOLUME (LITERS)

3.437E+05 2.854E+05 2.824E+05 1.196E+03 6.814E+04 5.466E+04 1.035E+06

GRAND TOTALS (CURIES)

1.581E-02 1.234E-02 1.221E-02 5.172E-05 2.946E-03 2.363E-03 4.572E-02

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

SCHED. NO. P61PM009-D

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

RUN DATE: 05/21/92

FASB AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991										PAGE	1	RPT. 470
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		YEARLY RELEASE*	ANL-A	YEARLY RELEASE % OF CG
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*			
GROSS-BET-GAM												
CONCEN (UC/ML)			9.500E-15		3.830E-15				2.104E-15	3.073E-22		
CURIES			9.975E-08		4.309E-08				1.428E-07			
UNCERT(CURIES)												
UNCERT(UC/ML)												
% OF TOTAL			94.059		95.369				90.157			
GROSS-ALPHA												
CONCEN (UC/ML)			6.000E-16		1.860E-16	4.800E-16	1.440E-16		2.297E-16	3.355E-23		
CURIES			6.300E-09		2.093E-09	5.582E-09	1.620E-09		1.559E-08			
UNCERT(CURIES)												
UNCERT(UC/ML)			5.941		4.631	100.000	100.000		9.843			
% OF TOTAL												
TOTALS												
ALPHA CURIES			6.300E-09		2.093E-09	5.582E-09	1.620E-09		1.559E-08			
% OF TOTAL			5.941		4.631	100.000	100.000		9.843			
B+G CURIES			9.975E-08		4.309E-08				1.428E-07			
% OF TOTAL			94.059		95.369				90.157			
VOLUME (CU. METERS)		1.163E+07	1.050E+07	1.163E+07	1.125E+07	1.163E+07	1.125E+07		6.789E+07			

GRAND TOTALS (CURIES)			1.060E-07		4.518E-08	5.582E-09	1.620E-09		1.584E-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

SCHED. NO. P61PM009-D

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

RUN DATE: 05/21/92

FMF AIRBORNE WASTE SUMMARY										PAGE	1 RPT. 475
FOR JAN THROUGH JUN 1991										ANL-A	
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
								AVG CONCEN/ TOT CURIES			
GROSS-BET-GAM											
CONCEN (UC/ML)			1.526E-15		3.956E-15	7.490E-16	5.660E-16	1.114E-15	1.076E-22		
CURIES			1.708E-08		4.743E-08	9.280E-09	6.786E-09	8.057E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			92.693		92.551	100.000	100.000	91.015			
GROSS-ALPHA											
CONCEN (UC/ML)			1.203E-16	2.252E-16	3.184E-16			1.100E-16	1.062E-23		
CURIES			1.346E-09	2.790E-09	3.818E-09			7.954E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			7.307	100.000	7.449			8.985			
TOTALS											
ALPHA CURIES			1.346E-09	2.790E-09	3.818E-09			7.954E-09			
% OF TOTAL			7.307	100.000	7.449			8.985			
B+G CURIES			1.708E-08		4.743E-08	9.280E-09	6.786E-09	8.057E-08			
% OF TOTAL			92.693		92.551	100.000	100.000	91.015			
VOLUME (CU. METERS)		1.239E+07	1.119E+07	1.239E+07	1.199E+07	1.239E+07	1.199E+07	7.234E+07			

GRAND TOTALS (CURIES)			1.842E-08	2.790E-09	5.125E-08	9.280E-09	6.786E-09	8.853E-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

RUN DATE: 05/21/92

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
HFEF-N AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

SCHED. NO. P61PM009-D

PAGE 1 RPT. 460
ANL-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-BET-GAM CONCN (UC/ML) CURIES UNCERT(CURIES) UNCERT(UC/ML) % OF TOTAL			8.000E-16 3.272E-08		2.830E-15 1.489E-07		1.170E-15 6.154E-08	7.863E-16 2.431E-07	2.560E-22		
					0.001						
GROSS-ALPHA CONCN (UC/ML) CURIES UNCERT(CURIES) UNCERT(UC/ML) % OF TOTAL					7.720E-16 4.061E-08	2.120E-16 1.152E-08	1.780E-16 9.363E-09	1.989E-16 6.149E-08	6.474E-23		
H-3 CONCN (UC/ML) CURIES UNCERT(CURIES) UNCERT(UC/ML) % OF TOTAL	4.490E+03	3.955E-13 2.150E-05	2.506E-13 1.025E-05		9.692E-14 5.098E-06	5.603E-13 3.046E-05	1.486E-13 7.816E-06	2.430E-13 7.512E-05	7.909E-20	1.00E-07	
		0.788	0.008		0.026	0.016	0.012	0.014			
KR-35 CONCN (UC/ML) CURIES UNCERT(CURIES) UNCERT(UC/ML) % OF TOTAL	3.913E+03	4.980E-11 2.707E-03	3.066E-09 1.254E-01	2.292E-09 1.246E-01	3.715E-10 1.954E-02	3.595E-09 1.954E-01	1.206E-09 6.344E-02	1.718E-09 5.311E-01	5.592E-16	3.00E-06	
		99.212	99.992	100.000	99.973	99.984	99.988	99.986			
TOTALS ALPHA CURIES % OF TOTAL B+G CURIES % OF TOTAL					4.061E-08	1.152E-08	9.363E-09	6.149E-08			
		2.728E-03 100.000	1.254E-01 100.000	1.246E-01 100.000	1.955E-02 100.000	1.954E-01 100.000	6.345E-02 100.000	5.312E-01 100.000			
VOLUME (CU. METERS)		5.436E+07	4.090E+07	5.436E+07	5.260E+07	5.436E+07	5.260E+07	3.092E+08			
GRAND TOTALS (CURIES)		2.728E-03	1.254E-01	1.246E-01	1.955E-02	1.954E-01	6.345E-02	5.312E-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

NO. P61PH009-D

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

RUN DATE: 05/21/92

NUCLIDES	HALF LIFE (DAYS)	HFEF-S AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991												PAGE	1 RPT. 430 ANL-A	YEARLY RELEASE % OF CG
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**						

TOTALS
ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

VOLUME (CU. METERS) 5.056E+07 4.567E+07 5.056E+07 4.893E+07 5.056E+07 4.893E+07 2.952E+08

GRAND TOTALS (CURIES)

* 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

RUN DATE: 05/21/92

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

SCHED. NO. P61PM009-D

PAGE 1 RPT. 420
ANL-A
YEARLY
RELEASE
% OF CG

L20 MAIN STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**
GROSS-BET-GAM CONCEN (UC/ML)		1.830E-14	6.610E-15	8.150E-15	2.160E-13	1.110E-14	6.410E-14	5.391E-14	2.066E-20	
CURIES		5.783E-07	1.944E-07	2.575E-07	6.605E-06	3.508E-07	1.960E-06	9.946E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)		98.674	93.544	95.221	99.745	87.196	99.509	98.885		
% OF TOTAL										
GROSS-ALPHA CONCEN (UC/ML)		2.460E-16	4.700E-16	4.090E-16	5.520E-16	1.630E-15	3.160E-16	6.079E-16	2.330E-22	
CURIES		7.774E-09	1.341E-08	1.292E-08	1.688E-08	5.151E-08	9.663E-09	1.122E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)		1.326	6.456	4.779	0.255	12.804	0.491	1.115		
% OF TOTAL										
TOTALS										
ALPHA CURIES		7.774E-09	1.341E-08	1.292E-08	1.688E-08	5.151E-08	9.663E-09	1.122E-07		
% OF TOTAL		1.326	6.456	4.779	0.255	12.804	0.491	1.115		
B+G CURIES		5.783E-07	1.944E-07	2.575E-07	6.605E-06	3.508E-07	1.960E-06	9.946E-06		
% OF TOTAL		98.674	93.544	95.221	99.745	87.196	99.509	98.885		
VOLUME (CU. METERS)		3.160E+07	2.854E+07	3.160E+07	3.058E+07	3.160E+07	3.058E+07	1.845E+08		
GRAND TOTALS (CURIES)		5.861E-07	2.078E-07	2.705E-07	6.622E-06	4.023E-07	1.970E-06	1.006E-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 DCE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

SCHED. NO. P61PH009-D

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
NDA LABORATORY AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

RUN DATE: 05/21/92

PAGE 1 RPT. 422
ANL-A YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-BET-GAM CONCN (UC/ML)										
CURIES		1.230E-15		8.710E-16	1.260E-16			3.807E-16	1.459E-22	
UNCERT(CURIES)		2.410E-08		1.706E-08	2.389E-09			4.355E-08		
UNCERT(UC/ML)										
% OF TOTAL		100.000		100.000	25.506			77.737		
GROSS-ALPHA CONCN (UC/ML)										
CURIES		1.300E-16		3.680E-16	1.630E-16			1.090E-16	4.179E-23	
UNCERT(CURIES)		2.301E-09		6.977E-09	3.193E-09			1.247E-08		
UNCERT(UC/ML)										
% OF TOTAL		100.000		74.494	100.000			22.263		
TOTALS										
ALPHA CURIES		2.301E-09		6.977E-09	3.193E-09			1.247E-08		
% OF TOTAL		100.000		74.494	100.000			22.263		
B+G CURIES		2.410E-08		1.706E-08	2.389E-09			4.355E-08		
% OF TOTAL		100.000		100.000	25.506			77.737		
VOLUME (CU. METERS)		1.959E+07	1.770E+07	1.959E+07	1.896E+07	1.959E+07	1.896E+07	1.144E+08		
GRAND TOTALS (CURIES)		2.410E-08	2.301E-09	1.706E-08	9.366E-09	3.193E-09		5.602E-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

RUN DATE: 05/21/92

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
RLMTF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

PAGE 1 RPT. 490
ANL-A

YEARLY
RELEASE
% OF CG

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE* CG**

YEARLY
RELEASE* CG**

YEARLY
RELEASE* CG**

YEARLY
RELEASE* CG**

YEARLY
RELEASE* CG**

YEARLY
RELEASE* CG**

HALF LIFE
(DAYS)

NUCLIDES

GROSS-BET-GAM

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

8.980E-16

3.691E-09

100.000

0.003

0.001

0.001

3.480E-15

1.533E-08

0.001

0.001

0.001

0.001

2.850E-15

1.255E-08

0.001

0.001

0.001

0.001

1.188E-15

3.157E-08

5.049E-23

8.110E-09

1.297E-23

8.110E-09

GROSS-ALPHA

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

1.450E-16

6.599E-10

0.001

0.001

0.001

0.001

7.960E-16

3.623E-09

0.001

0.001

0.001

0.001

2.730E-16

1.242E-09

0.001

0.001

0.001

0.001

5.870E-16

2.585E-09

0.001

0.001

0.001

0.001

H-3 4.490E+03

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

1.942E-10

8.838E-04

100.000

99.997

99.999

99.998

1.803E-10

8.204E-04

0.001

0.001

0.001

0.001

4.896E-11

2.228E-04

0.001

0.001

0.001

0.001

1.901E-10

8.372E-04

0.001

0.001

0.001

0.001

1.251E-10

5.316E-18

1.00E-07

3.324E-03

100.000

2.657E+07

TOTALS

ALPHA CURIES

% OF TOTAL

B+G CURIES

% OF TOTAL

6.599E-10

3.623E-09

0.001

0.001

0.001

3.623E-09

8.204E-04

100.000

100.000

100.000

1.242E-09

2.585E-09

8.110E-09

3.324E-03

100.000

2.585E-09

8.372E-04

100.000

100.000

100.000

2.585E-09

8.372E-04

100.000

100.000

100.000

VOLUME (CU. METERS)

GRAND TOTALS (CURIES)

GRAND TOTALS (CURIES)

4.551E+06

3.691E-09

8.204E-04

5.596E-04

2.228E-04

8.372E-04

3.324E-03

4.404E+06

5.596E-04

2.228E-04

8.372E-04

3.324E-03

3.324E-03

4.551E+06

2.228E-04

8.372E-04

3.324E-03

3.324E-03

4.404E+06

2.228E-04

8.372E-04

3.324E-03

3.324E-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

SCHED. NO. P61PH009-D

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

RUN DATE: 05/21/92

SCMS AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991										PAGE	1 RPT. 480
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL	YEARLY RELEASE*	ANL-A CG**	YEARLY RELEASE % OF CG
								AVG CONCEN/ TOT CURIES			
GROSS-BET-GAM											
CONCEN (UC/ML)		1.400E-14	1.200E-14	1.940E-14		9.200E-15		9.152E-15	9.894E-22		
CURIES		2.300E-07	1.781E-07	3.187E-07		1.512E-07		8.780E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		92.715	99.908	93.269		98.081		93.603			
GROSS-ALPHA											
CONCEN (UC/ML)		1.100E-15	1.100E-17	1.400E-15	8.040E-16	1.800E-16	1.900E-16	6.255E-16	6.761E-23		
CURIES		1.807E-08	1.632E-10	2.300E-08	1.278E-08	2.957E-09	3.021E-09	6.000E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		7.285	0.092	6.731	100.000	1.919	100.000	6.397			
TOTALS											
ALPHA CURIES		1.807E-08	1.632E-10	2.300E-08	1.278E-08	2.957E-09	3.021E-09	6.000E-08			
% OF TOTAL		7.285	0.092	6.731	100.000	1.919	100.000	6.397			
B+G CURIES		2.300E-07	1.781E-07	3.187E-07		1.512E-07		8.780E-07			
% OF TOTAL		92.715	99.908	93.269		98.081		93.603			
VOLUME (CU. METERS)		1.643E+07	1.484E+07	1.643E+07	1.590E+07	1.643E+07	1.590E+07	9.593E+07			

GRAND TOTALS (CURIES)		2.481E-07	1.782E-07	3.417E-07	1.278E-08	1.541E-07	3.021E-09	9.380E-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
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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ANL-A
YEARLY
RELEASE
% OF CG

TREAT AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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)		1.203E-05	1.096E-05			6.980E-06	8.106E-06	8.450E-06	3.549E-13	1.00E-08	
CURIES		4.416E+00	3.061E+00			4.767E+00	3.566E+00	1.581E+01			
UNCERT(CURIES)											
UNCERT(UC/ML)						97.847	97.847	97.846			
% OF TOTAL		97.846	97.843								
BA-LA-140	1.276E+01										
CONCEN (UC/ML)		6.057E-11	5.000E-10	4.573E-12	7.435E-14	3.000E-11	2.800E-11	1.042E-10	4.375E-18	3.00E-09	
CURIES		2.223E-05	1.397E-04	2.330E-07	3.788E-09	2.049E-05	1.232E-05	1.949E-04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.004	0.004	96.927	100.000			0.001			
GROSS-ALPHA											
CONCEN (UC/ML)		2.544E-14	1.349E-12	1.450E-13			1.600E-14	2.141E-13	8.991E-21		
CURIES		9.336E-09	3.768E-07	7.388E-09			7.038E-09	4.005E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL				3.073							
KR-83	1.183E-01										
CONCEN (UC/ML)		1.926E-07	1.754E-07			1.117E-07	1.297E-07	1.352E-07	5.679E-15	9.00E-09	
CURIES		7.070E-02	4.898E-02			7.627E-02	5.706E-02	2.530E-01			
UNCERT(CURIES)											
UNCERT(UC/ML)						1.566	1.566	1.566			
% OF TOTAL		1.567	1.566								
XE-133	5.250E+00										
CONCEN (UC/ML)		2.407E-08	2.192E-08			1.396E-08	1.621E-08	1.690E-08	7.098E-16	5.00E-07	
CURIES		8.832E-03	6.122E-03			9.534E-03	7.132E-03	3.162E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)						0.196	0.196	0.196			
% OF TOTAL		0.196	0.196								
XE-135	3.792E-01										
CONCEN (UC/ML)		4.812E-08	4.382E-08			2.792E-08	3.242E-08	3.379E-08	1.419E-15	8.00E-08	
CURIES		1.766E-02	1.224E-02			1.907E-02	1.426E-02	6.523E-02			
UNCERT(CURIES)											
UNCERT(UC/ML)						0.391	0.391	0.391			
% OF TOTAL		0.391	0.391								

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RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
TREAT AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL			PAGE		YEARLY RELEASE*	YEARLY RELEASE % OF CS
								AVG CONCEN/ TOT CURIES	CG**	ANL-A	2	RPT. 410		
TOTALS														
ALPHA CURIES		9.336E-09	3.768E-07	7.388E-09			7.038E-09	4.005E-07						
% OF TOTAL				3.073										
B+G CURIES		4.513E+00	3.128E+00	2.330E-07	3.788E-09	4.872E+00	3.644E+00	1.616E+01						
% OF TOTAL		100.000	100.000	96.927	100.000	100.000	100.000	100.000						
VOLUME (CU. METERS)		3.670E+05	2.793E+05	5.095E+04	5.095E+04	6.830E+05	4.399E+05	1.871E+06						
GRAND TOTALS (CURIES)		4.513E+00	3.128E+00	2.404E-07	3.788E-09	4.872E+00	3.644E+00	1.616E+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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ANL-A
YEARLY
RELEASE
% OF CG

ZPPR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-BET-GAM CONCN (UC/ML)		2.070E-15	4.200E-15	4.050E-15	3.660E-15	2.313E-08		2.372E-15	1.037E-22		
CURIES		1.308E-08	2.654E-08	2.477E-08				8.753E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.003	0.006	0.006	0.006	0.005		0.003			
GROSS-ALPHA CONCN (UC/ML)		5.980E-16	4.000E-16	5.440E-16				2.575E-16	1.125E-23		
CURIES		3.779E-09	2.284E-09	3.438E-09				9.501E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.001	0.001	0.001							
XE-133 CONCN (UC/ML)	5.250E+00	9.801E-12	1.470E-11	9.801E-12	9.801E-12	9.801E-12	1.470E-11	1.137E-11	4.970E-19	5.00E-07	
CURIES		6.194E-05	8.392E-05	6.194E-05	5.994E-05	6.194E-05	8.991E-05	4.196E-04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		14.453	14.453	14.453	14.455	14.453	14.455	14.454			
XE-135 CONCN (UC/ML)	3.792E-01	5.801E-11	8.700E-11	5.801E-11	5.800E-11	5.801E-11	8.700E-11	6.730E-11	2.941E-18	8.00E-08	
CURIES		3.666E-04	4.967E-04	3.666E-04	3.547E-04	3.666E-04	5.321E-04	2.483E-03			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		85.543	85.546	85.540	85.539	85.542	85.545	85.543			
TOTALS											
ALPHA CURIES		3.779E-09	2.284E-09	3.438E-09				9.501E-09			
% OF TOTAL		0.001	0.001	0.001							
B+G CURIES		4.286E-04	5.806E-04	4.286E-04	4.147E-04	4.286E-04	6.220E-04	2.903E-03			
% OF TOTAL		99.999	100.000	99.999	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		6.320E+06	5.709E+06	6.320E+06	6.116E+06	6.320E+06	6.116E+06	3.690E+07			
GRAND TOTALS (CURIES)		4.286E-04	5.806E-04	4.286E-04	4.147E-04	4.286E-04	6.220E-04	2.903E-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: DCS value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

Central Facilities Area 1991 Detail Data

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Central Facility Area (CFA) Bar Graphs of Annual Data by Month

Central Facility Area (CFA) Monthly Details - CY-1991

CFA-5

CFA CY 1991 SHIPPED LOW LEVEL WASTE

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

RUN DATE: 05/20/92

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CFA-A
YEARLY
RELEASE
% OF CG

CFA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
CO-60	1.924E+03										
CONCEN (UC/ML)				6.555E-15			9.483E-15	7.864E-15	2.556E-21	8.00E-11	
CURIES				3.250E-08			4.550E-08	4.591E-07			
% OF TOTAL				20.251			10.269	10.989			
CS-137	1.101E+04										
CONCEN (UC/ML)								6.989E-16	2.271E-22	4.00E-10	
CURIES								4.080E-08			
% OF TOTAL								0.977			
GROSS-ALPHA											
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											
GROSS-BETA											
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											
SR-90	1.059E+04										
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES											
% OF TOTAL											
VOLUME (CU. METERS)											
GRAND TOTALS (CURIES)											

* 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

CFA LIQUID WASTE SUMMARY
 FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA CONCEN (UC/ML) CURIES % OF TOTAL		3.731E-09 5.320E-05 0.024	3.387E-09 5.660E-05 0.020	9.039E-11 1.750E-06 0.001			1.101E-09 1.740E-05 0.006	1.204E-09 2.312E-04 0.009		
GROSS-BETA CONCEN (UC/ML) CURIES % OF TOTAL			9.037E-09 1.510E-04 0.053	5.424E-09 1.050E-04 0.040	3.174E-08 7.110E-04 0.189	2.893E-08 4.310E-04 0.213	3.302E-08 5.220E-04 0.187	1.722E-08 3.308E-03 0.125		
H-3 CONCEN (UC/ML) CURIES % OF TOTAL	4.490E+03	1.585E-05 2.260E-01 99.968	1.694E-05 2.830E-01 99.921	1.353E-05 2.620E-01 99.959	1.679E-05 3.760E-01 99.811	1.356E-05 2.020E-01 99.787	1.758E-05 2.780E-01 99.403	1.370E-05 2.632E+00 99.810	2.00E-03	0.69
SR-90 CONCEN (UC/ML) CURIES % OF TOTAL	1.059E+04	1.403E-09 2.000E-05 0.009	9.037E-10 1.510E-05 0.005				7.147E-08 1.130E-03 0.404	7.708E-09 1.480E-03 0.056	1.00E-06	0.77
TOTALS ALPHA CURIES % OF TOTAL B+G CURIES % OF TOTAL		5.320E-05 0.024 2.260E-01 99.976	5.660E-05 0.020 2.832E-01 99.980	1.750E-06 0.001 2.621E-01 99.999	1.750E-06 0.001 3.767E-01 100.000	2.024E-01 2.024E-01 100.000	2.797E-01 2.797E-01 99.994	2.312E-04 0.009 2.636E+00 99.991		
VOLUME (LITERS)		1.426E+07	1.671E+07	1.936E+07	2.240E+07	1.490E+07	1.581E+07	1.921E+08		
GRAND TOTALS (CURIES)		2.261E-01	2.832E-01	2.621E-01	3.767E-01	2.024E-01	2.797E-01	2.637E+00		

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

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CFA SOLID WASTE SUMMARY
WRF INCINERATOR PROCESSED WASTE
FROM JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CO-60 CURIES	1.924E+03				5.100E-08			5.100E-08
% OF TOTAL					16.038			16.038
CS-134 CURIES	7.537E+02				9.300E-08			9.300E-08
% OF TOTAL					29.245			29.245
CS-137 CURIES	1.101E+04				1.740E-07			1.740E-07
% OF TOTAL					54.717			54.717

TOTALS

ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

3.180E-07
100.000
3.180E-07
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)

5.946E-01
2.240E+02
5.946E-01
2.242E+02

GRAND TOTALS (CURIES)

3.180E-07
3.180E-07

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

RUN DATE: 05/21/92

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 CFA AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH JUN 1991

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 CFA-A
 YEARLY
 RELEASE
 % OF CS

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CS
CO-60	1.924E+03										
CONCEN (UC/ML)		1.065E-14	7.099E-15	1.599E-14	3.953E-14		5.143E-15	1.309E-14	4.255E-21	8.00E-11	
CURIES		5.280E-08	3.520E-08	7.160E-08	1.960E-07		2.550E-08	3.811E-07			
% OF TOTAL		9.290	10.490	11.687	21.717		10.982	13.090			
CS-137	1.101E+04										
CONCEN (UC/ML)					8.229E-15		1.402E-15	4.555E-22	4.00E-10		
CURIES					4.080E-08		4.080E-08				
% OF TOTAL					4.521		1.401				
GROSS-ALPHA											
CONCEN (UC/ML)		1.009E-14	1.974E-14	3.775E-14	3.691E-14	1.430E-14	7.432E-15	2.080E-14	6.759E-21		
CURIES		5.003E-08	9.785E-08	1.691E-07	1.830E-07	6.860E-08	3.685E-08	6.054E-07			
% OF TOTAL		8.803	29.159	27.594	20.277	26.383	15.870	20.794			
GROSS-BETA											
CONCEN (UC/ML)		9.358E-14	3.985E-14	7.965E-14	9.536E-14	3.898E-14	3.384E-14	6.341E-14	2.061E-20		
CURIES		4.640E-07	1.976E-07	3.567E-07	4.728E-07	1.870E-07	1.678E-07	1.846E-06			
% OF TOTAL		81.638	58.885	58.222	52.387	71.927	72.266	63.405			
SR-90	1.059E+04										
CONCEN (UC/ML)		3.086E-16	9.921E-16	3.416E-15	1.999E-15	9.156E-16	4.129E-16	1.309E-15	4.254E-22	9.00E-12	
CURIES		1.530E-09	4.919E-09	1.530E-08	9.910E-09	4.393E-09	2.047E-09	3.810E-08			
% OF TOTAL		0.269	1.466	2.497	1.098	1.690	0.882	1.309			
TOTALS											
ALPHA CURIES		5.003E-08	9.785E-08	1.691E-07	1.830E-07	6.860E-08	3.685E-08	6.054E-07			
% OF TOTAL		8.803	29.159	27.594	20.277	26.383	15.870	20.794			
B+G CURIES		5.183E-07	2.377E-07	4.436E-07	7.195E-07	1.914E-07	1.953E-07	2.306E-06			
% OF TOTAL		91.197	70.841	72.406	79.723	73.617	84.130	79.205			
VOLUME (CU. METERS)		4.958E+06	4.958E+06	4.478E+06	4.958E+06	4.798E+06	4.958E+06	2.911E+07			
GRAND TOTALS (CURIES)		5.684E-07	3.356E-07	6.127E-07	9.025E-07	2.600E-07	2.322E-07	2.911E-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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CFA LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		1.807E-09		2.003E-09	2.708E-09	5.603E-10		1.154E-09		
CURIES		2.980E-05		2.700E-05	3.740E-05	8.080E-06		1.023E-04		
% OF TOTAL		0.011		6.459	0.014	0.004		0.010		
GROSS-BETA										
CONCEN (UC/ML)		1.989E-08	1.353E-08	8.976E-09	1.448E-08	2.150E-08	1.469E-08	1.566E-08		
CURIES		3.280E-04	2.100E-04	1.210E-04	2.000E-04	3.100E-04	2.190E-04	1.388E-03		
% OF TOTAL		0.121	0.079	28.947	0.076	0.153	6.062	0.138		
H-3										
CONCEN (UC/ML)	4.490E+03	1.643E-05	1.714E-05	1.001E-08	1.897E-05	1.401E-05	2.260E-07	1.133E-05	2.00E-03	0.57
CURIES		2.710E-01	2.660E-01	1.350E-04	2.620E-01	2.020E-01	3.370E-03	1.005E+00		
% OF TOTAL		99.867	99.869	32.297	99.904	99.843	93.285	99.821		
SR-90										
CONCEN (UC/ML)	1.059E+04	1.807E-10	9.021E-09	1.001E-08	9.920E-10		1.583E-09	3.557E-09	1.00E-06	0.36
CURIES		2.980E-06	1.400E-04	1.350E-04	1.370E-05		2.360E-05	3.153E-04		
% OF TOTAL		0.001	0.053	32.297	0.005		0.653	0.031		
TOTALS										
ALPHA CURIES		2.980E-05		2.700E-05	3.740E-05	8.080E-06		1.023E-04		
% OF TOTAL		0.011		6.459	0.014	0.004		0.010		
B+G CURIES		2.713E-01	2.663E-01	3.910E-04	2.622E-01	2.023E-01	3.613E-03	1.006E+00		
% OF TOTAL		99.989	100.000	93.541	99.986	99.996	100.000	99.990		
VOLUME (LITERS)		1.649E+07	1.552E+07	1.348E+07	1.381E+07	1.442E+07	1.491E+07	8.863E+07		
GRAND TOTALS (CURIES)		2.714E-01	2.663E-01	4.180E-04	2.623E-01	2.023E-01	3.613E-03	1.006E+00		

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

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

AIM

Association for Information and Image Management

1100 Wayne Avenue, Suite 1100
Silver Spring, Maryland 20910
301/587-8202

Centimeter

Inches

MANUFACTURED TO AIM STANDARDS
BY APPLIED IMAGE, INC.

3 of 6

RUN DATE: 05/20/92

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

SCHED. NO. P61PM009-D

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CFA/CFA-A

CFA LAUNDRY AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

YEARLY
RELEASE
% OF CG

YEARLY
RELEASE*

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE*

YEARLY
RELEASE*

ANNUAL
AVG CONCEN/
TOT CURIES

DECEMBER

NOVEMBER

OCTOBER

SEPTEMBER

AUGUST

JULY

HALF LIFE
(DAYS)

MAJLIDES

CD-60

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

1.025E-14 8.497E-15 2.761E-21 8.00E-11

4.550E-08 4.591E-07

7.270E-09

10.893 11.721

21.085

7.551E-16 2.454E-22 4.00E-10

4.080E-08

1.042

1.718E-14 1.341E-14 4.359E-21

7.630E-08 7.247E-07

1.530E-08

18.267 18.502

5.494E-14 4.528E-14 1.471E-20

2.440E-07 2.446E-06

3.050E-08 3.050E-08

58.415 62.454

99.436

2.060E-14 2.659E-14 2.747E-14 4.315E-15

9.150E-08 1.220E-07 1.070E-07 1.220E-07

3.050E-08 3.050E-08 1.530E-08 3.050E-08

99.436 88.889 69.417 75.828

1.169E-16 6.646E-16 5.317E-16 5.156E-16

5.190E-10 3.050E-09 2.440E-09 2.290E-09

1.070E-10 9.150E-10 9.150E-10 9.150E-10

0.564 2.222 1.583 1.423

88.542 12.425 6.282

9.00E-12

SCHED. NO. P61PM009-D

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

RUN DATE: 05/20/92

CFA LAUNDRY AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

PAGE 2 RPT. 185
CFA/CFA-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
TOTALS										
ALPHA CURIES										
% OF TOTAL		1.220E-08	8.889	1.220E-08	3.660E-08		7.630E-08	7.247E-07		
B+G CURIES		9.202E-08	1.251E-07	1.419E-07	1.243E-07	1.728E-07	3.414E-07	18.267	18.502	
% OF TOTAL		100.000	91.111	92.085	77.252	100.000	81.733	81.498	3.192E-06	
VOLUME (CU. METERS)		4.441E+06	4.589E+06	4.589E+06	4.441E+06	4.589E+06	4.441E+06	5.403E+07		
GRAND TOTALS (CURIES)		9.202E-08	1.372E-07	1.541E-07	1.609E-07	1.728E-07	4.177E-07	3.917E-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

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) 1.778E-14 9.185E-15 1.720E-15 9.490E-15 1.664E-14 2.368E-15 8.914E-15 2.897E-21

CURIES 6.350E-09 3.390E-09 6.350E-10 3.390E-09 6.140E-09 8.460E-10 3.874E-08

UNCERT(CURIES) 4.230E-09 4.230E-09 4.230E-09 1.900E-09 8.460E-09 2.120E-09

UNCERT(UC/ML) 29.435 24.232 10.008 15.098 14.588 3.335 14.844

% OF TOTAL

GROSS-BETA
CONCEN (UC/ML) 4.143E-14 2.872E-14 1.547E-14 5.319E-14 8.020E-14 4.731E-14 4.660E-14 1.515E-20

CURIES 1.480E-08 1.060E-08 5.710E-09 1.900E-08 2.960E-08 1.690E-08 2.025E-07

UNCERT(CURIES) 6.350E-09 4.230E-09 1.270E-09 2.120E-09 8.460E-09 2.120E-09

UNCERT(UC/ML) 68.604 75.768 89.992 84.619 70.325 66.625 77.606

% OF TOTAL

SR-90 1.059E+04

CONCEN (UC/ML) 1.184E-15 1.778E-16 1.720E-14 2.133E-14 4.534E-15 1.474E-21 9.00E-12

CURIES 4.230E-10 6.350E-11 6.350E-09 7.620E-09 1.971E-08

UNCERT(CURIES) 8.460E-10 1.270E-10 8.460E-09 4.230E-10

UNCERT(UC/ML) 1.961 0.283 15.087 30.040 7.550

% OF TOTAL

TOTALS

ALPHA CURIES 6.350E-09 3.390E-09 6.350E-10 3.390E-09 6.140E-09 8.460E-10 3.874E-08

% OF TOTAL 29.435 24.232 10.008 15.098 14.588 3.335 14.844

B+G CURIES 1.522E-08 1.060E-08 5.710E-09 1.906E-08 3.595E-08 2.452E-08 2.222E-07

% OF TOTAL 70.565 75.768 89.992 84.902 85.412 96.665 85.156

VOLUME (CU. METERS) 3.572E+05 3.691E+05 3.691E+05 3.572E+05 3.691E+05 3.572E+05 4.346E+06

GRAND TOTALS (CURIES) 2.157E-08 1.399E-08 6.345E-09 2.245E-08 4.209E-08 2.537E-08 2.610E-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: 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

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CFA-L

CFA LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		3.731E-09	3.387E-09	9.039E-11			1.101E-09	1.204E-09		
CURIES		5.320E-05	5.660E-05	1.750E-06			1.740E-05	2.312E-04		
UNCERT(CURIES)		2.660E-05	1.890E-05	1.750E-06			1.740E-05			
UNCERT(UC/ML)										
% OF TOTAL		0.024	0.020	0.001			0.006	0.009		
GROSS-BETA										
CONCEN (UC/ML)			9.037E-09	5.424E-09	3.174E-08	2.893E-08	3.302E-08	1.722E-08		
CURIES			1.510E-04	1.050E-04	7.110E-04	4.310E-04	5.220E-04	3.308E-03		
UNCERT(CURIES)			3.770E-05	3.500E-05	1.250E-04	8.080E-05	8.690E-05			
UNCERT(UC/ML)										
% OF TOTAL			0.053	0.040	0.189	0.213	0.187	0.125		
H-3										
CONCEN (UC/ML)	4.490E+03	1.585E-05	1.694E-05	1.353E-05	1.679E-05	1.356E-05	1.758E-05	1.370E-05	2.00E-03	0.69
CURIES		2.260E-01	2.830E-01	2.620E-01	3.740E-01	2.020E-01	2.780E-01	2.632E+00		
UNCERT(CURIES)		2.660E-02	1.890E-02	3.500E-02	1.050E-01	2.150E-02	3.480E-02			
UNCERT(UC/ML)										
% OF TOTAL		99.968	99.921	99.959	99.811	99.787	99.403	99.810		
SR-90										
CONCEN (UC/ML)	1.059E+04	1.403E-09	9.037E-10				7.147E-08	7.708E-09	1.00E-06	0.77
CURIES		2.000E-05	1.510E-05				1.130E-03	1.480E-03		
UNCERT(CURIES)		2.660E-06	5.660E-06				6.950E-05			
UNCERT(UC/ML)										
% OF TOTAL		0.009	0.005				0.404	0.056		
TOTALS										
ALPHA CURIES		5.320E-05	5.660E-05	1.750E-06			1.740E-05	2.312E-04		
% OF TOTAL		0.004	0.020	0.001			0.006	0.009		
B+G CURIES		2.260E-01	2.832E-01	2.621E-01	3.767E-01	2.024E-01	2.797E-01	2.636E+00		
% OF TOTAL		99.976	99.980	99.999	100.000	100.000	99.994	99.991		
VOLUME (LITERS)		1.426E+07	1.671E+07	1.936E+07	2.240E+07	1.490E+07	1.581E+07	1.921E+08		
GRAND TOTALS (CURIES)		2.261E-01	2.832E-01	2.621E-01	3.767E-01	2.024E-01	2.797E-01	2.637E+00		

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

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

RUN DATE: 05/21/92

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

SCHED. NO. P61PM009-D

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CFA/CFA-A

CFA LAUNDRY AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE#

YEARLY
RELEASE
% OF CG

HALF LIFE
(DAYS)

NUCLIDES

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE#	YEARLY RELEASE % OF CG
CO-60									
CONCEN (UC/ML)	1.151E-14	7.671E-15	1.727E-14	4.271E-14		5.557E-15	1.415E-14	4.597E-21	8.00E-11
CURIES	5.280E-08	3.520E-08	7.160E-08	1.960E-07		2.550E-08	3.811E-07		
UNCERT(CURIES)	8.500E-09	6.700E-09	9.500E-09	1.440E-08		6.140E-09			
UNCERT(UC/ML)									
% OF TOTAL	10.017	11.762	11.817	22.174		12.122	13.698		

CS-137 1.101E+04

CONCEN (UC/ML)	8.891E-15					1.514E-15	4.922E-22	4.00E-10
CURIES	4.080E-08					4.080E-08		
UNCERT(CURIES)	7.890E-09							
UNCERT(UC/ML)								
% OF TOTAL	4.616						1.466	

GROSS-ALPHA

CONCEN (UC/ML)	9.980E-15	1.994E-14	4.053E-14	3.988E-14	1.545E-14	6.646E-15	2.180E-14	7.086E-21
CURIES	4.580E-08	9.150E-08	1.680E-07	1.830E-07	6.860E-08	3.050E-08	5.874E-07	
UNCERT(CURIES)	1.530E-08	4.580E-08	3.050E-08	6.100E-08	1.220E-08	1.530E-08		
UNCERT(UC/ML)								
% OF TOTAL	8.689	30.573	27.727	20.704	26.842	14.498	21.113	

GROSS-BETA

CONCEN (UC/ML)	9.305E-14	3.661E-14	8.468E-14	9.980E-14	4.121E-14	3.334E-14	6.458E-14	2.099E-20
CURIES	4.270E-07	1.680E-07	3.510E-07	4.580E-07	1.830E-07	1.530E-07	1.740E-06	
UNCERT(CURIES)	3.050E-08	9.150E-08	3.050E-08	6.100E-08	1.370E-08	3.050E-08		
UNCERT(UC/ML)								
% OF TOTAL	81.005	56.135	57.930	51.816	71.605	72.729	62.542	

SR-90 1.059E+04

CONCEN (UC/ML)	3.334E-16	9.980E-16	3.691E-15	1.329E-15	8.939E-16	2.985E-16	1.219E-15	3.963E-22	9.00E-12
CURIES	1.530E-09	4.580E-09	1.530E-08	6.100E-09	3.970E-09	1.370E-09	3.285E-08		
UNCERT(CURIES)	1.070E-09	1.530E-09	1.370E-09	3.050E-09	7.630E-10	7.630E-10			
UNCERT(UC/ML)									
% OF TOTAL	0.290	1.530	2.525	0.690	1.553	0.651	1.181		

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

RUN DATE: 05/21/92

CFA LAUNDRY AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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CFA/CFA-A

YEARLY
RELEASE
% OF CG

HALF LIFE
(DAYS)

JANUARY

FEBRUARY

MARCH

APRIL

MAY

JUNE

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE*

CG**

NUCLIDES

TOTALS

ALPHA CURIES

% OF TOTAL

B+G CURIES

% OF TOTAL

VOLUME (CU. METERS)

GRAND TOTALS (CURIES)

4.580E-08	9.150E-08	1.680E-07	1.830E-07	6.860E-08	3.050E-08	5.874E-07
8.689	30.573	27.727	20.704	26.842	14.498	21.113
4.813E-07	2.078E-07	4.379E-07	7.009E-07	1.870E-07	1.799E-07	2.195E-06
91.311	69.427	72.273	79.296	73.158	85.502	78.887
4.589E+06	4.589E+06	4.145E+06	4.589E+06	4.441E+06	4.589E+06	2.694E+07
5.271E-07	2.993E-07	6.059E-07	8.839E-07	2.556E-07	2.104E-07	2.782E-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

RUN DATE: 05/21/92

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

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CFA/CFA-A

CFA RESPIRATOR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

YEARLY
RELEASE
% OF CG

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE* CG**

JUNE

MAY

APRIL

MARCH

FEBRUARY

JANUARY

HALF LIFE
(DAYS)

NUC.IDES

1.720E-14

8.302E-15

2.698E-21

1.720E-14

6.350E-09

1.799E-08

4.230E-09

29.092

13.927

1.720E-14

8.302E-15

2.698E-21

1.720E-14

6.350E-09

1.799E-08

4.230E-09

29.092

13.927

1.720E-14

8.302E-15

2.698E-21

4.010E-14

4.888E-14

1.589E-20

4.010E-14

1.480E-08

1.059E-07

4.230E-09

67.806

82.009

4.010E-14

4.888E-14

1.589E-20

4.010E-14

1.480E-08

1.059E-07

4.230E-09

67.806

82.009

4.010E-14

4.888E-14

1.589E-20

1.834E-15

2.422E-15

7.872E-22

1.834E-15

6.770E-10

5.249E-09

3.102

4.064

1.834E-15

2.422E-15

7.872E-22

1.834E-15

6.770E-10

5.249E-09

3.102

4.064

1.834E-15

2.422E-15

7.872E-22

9.00E-12

6.350E-09

1.799E-08

1.799E-08

29.092

13.927

6.350E-09

1.799E-08

1.799E-08

29.092

13.927

6.350E-09

1.799E-08

1.799E-08

29.092

13.927

6.350E-09

1.799E-08

1.799E-08

29.092

13.927

1.548E-08

1.112E-07

1.112E-07

70.908

86.072

1.548E-08

1.112E-07

1.112E-07

70.908

86.072

1.548E-08

1.112E-07

1.112E-07

70.908

86.072

1.548E-08

1.112E-07

1.112E-07

70.908

86.072

3.691E+05

3.572E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

4.123E-08

3.629E-08

6.770E-09

1.861E-08

4.443E-09

2.183E-08

1.292E-07

4.123E-08

3.629E-08

6.770E-09

1.861E-08

4.443E-09

2.183E-08

1.292E-07

4.123E-08

3.629E-08

6.770E-09

1.861E-08

4.443E-09

2.183E-08

3.691E+05

3.572E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+05

3.691E+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: 05/21/92

CFA LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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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)		1.807E-09	2.003E-09	2.708E-09	5.603E-10			1.154E-09		
CURIES		2.980E-05	2.700E-05	3.740E-05	8.080E-06			1.023E-04		
UNCERT(CURIES)		2.980E-05	2.700E-05	1.250E-05	1.350E-06					
UNCERT(UC/ML)										
% OF TOTAL		0.011	6.459	0.014	0.004			0.010		
GROSS-BETA										
CONCEN (UC/ML)		1.989E-08	1.353E-08	8.976E-09	1.448E-08	2.150E-08	1.469E-08	1.566E-08		
CURIES		3.280E-04	2.100E-04	1.210E-04	2.000E-04	3.100E-04	2.190E-04	1.388E-03		
UNCERT(CURIES)		7.450E-05	5.610E-05	5.390E-05	3.740E-05	6.730E-05	5.050E-05			
UNCERT(UC/ML)										
% OF TOTAL		0.121	0.079	28.947	0.076	0.153	6.062	0.138		
H-3										
CONCEN (UC/ML)	4.490E+03	1.643E-05	1.714E-05	1.001E-08	1.897E-05	1.401E-05	2.260E-07	1.133E-05	2.00E-03	0.57
CURIES		2.710E-01	2.660E-01	1.350E-04	2.620E-01	2.020E-01	3.370E-03	1.005E+00		
UNCERT(CURIES)		7.450E-03	2.800E-02	1.350E-05	4.990E-02	6.730E-02	1.680E-03			
UNCERT(UC/ML)										
% OF TOTAL		99.867	99.869	32.297	99.904	99.843	93.285	99.821		
SR-90										
CONCEN (UC/ML)	1.059E+04	1.807E-10	9.021E-09	1.001E-08	9.920E-10			1.583E-09	1.00E-06	0.36
CURIES		2.980E-06	1.400E-04	1.350E-04	1.370E-05			2.360E-05	3.153E-04	
UNCERT(CURIES)		4.470E-06	9.810E-06	1.350E-05	1.250E-06			5.050E-06		
UNCERT(UC/ML)										
% OF TOTAL		0.001	0.053	32.297	0.005		0.653	0.031		
TOTALS										
ALPHA CURIES		2.980E-05		2.700E-05	3.740E-05	8.080E-06		1.023E-04		
% OF TOTAL		0.011		6.459	0.014	0.004		0.010		
B+G CURIES		2.713E-01	2.663E-01	3.910E-04	2.622E-01	2.023E-01	3.613E-03	1.006E+00		
% OF TOTAL		99.989	100.000	93.541	99.986	99.996	100.000	99.990		
VOLUME (LITERS)		1.649E+07	1.552E+07	1.348E+07	1.381E+07	1.442E+07	1.491E+07	8.863E+07		
GRAND TOTALS (CURIES)										
		2.714E-01	2.663E-01	4.180E-04	2.623E-01	2.023E-01	3.613E-03	1.006E+00		

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

Chemical Processing Plant 1991 Detail Data

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

Chemical Processing Plant (CPP) Monthly Details - CY-1991

Chemical Processing Plant (CPP) Monthly Details - CY-1991

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

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF C6
C-14	2.092E+06			1.965E-11 7.200E-03				4.494E-12 1.760E-02	6.535E-18	6.00E-09	
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											
CO-57	2.718E+02							2.145E-17 8.400E-08	3.119E-23	2.00E-09	
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											
CO-60	1.924E+03	1.455E-15 4.550E-07	4.695E-16 1.670E-07	2.020E-15 7.400E-07		5.908E-16 2.040E-07 0.070		4.782E-15 1.873E-05	6.954E-21	8.00E-11	
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											
CS-134	7.537E+02	7.035E-14 2.200E-05 0.009	4.301E-14 1.530E-05	7.369E-14 2.700E-05	5.506E-16 1.720E-07 0.032	5.300E-15 1.830E-06 0.625	2.125E-15 6.550E-07	1.864E-13 7.300E-04	2.710E-19	2.00E-10	
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											
CS-137	1.101E+04	3.202E-12 1.001E-03 0.404	2.119E-12 7.538E-04	3.837E-12 1.406E-03	1.252E-13 3.910E-05 7.313	5.112E-13 1.765E-04 60.297	2.257E-13 6.957E-05 0.036	7.159E-12 2.804E-02	1.041E-17	4.00E-10	
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											
EU-154	3.103E+03		1.080E-15 3.840E-07	3.548E-15 1.300E-06		1.625E-15 5.610E-07 0.192		5.733E-16 2.245E-06	8.336E-22	5.00E-11	
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											
H-3	4.490E+03	7.771E-10 2.430E-01 98.040	1.075E-09 3.824E-01 0.004				6.197E-10 1.910E-01 99.921	1.105E-08 4.329E+01 0.072	1.607E-14	1.00E-07	
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											
I-129	5.840E+09	1.119E-11 3.500E-03 1.412	7.647E-12 2.720E-03	1.995E-12 7.310E-04	9.603E-13 3.000E-04 56.109			1.641E-11 6.425E-02	2.386E-17	7.00E-11	
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											
KR-85	3.913E+03		2.811E-05 1.000E+04 99.996	2.729E-05 1.000E+04 100.000				1.532E-05 6.000E+04 99.928	2.228E-11	3.00E-06	
CONCEN (UC/ML)											
CURIES											
% OF TOTAL											

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
MN-54	3.122E+02	7.035E-17						5.618E-18	8.169E-24	2.00E-09	
CONCEN (UC/ML)		2.200E-08						2.200E-08			
CURIES											
% OF TOTAL											
RU-106	3.726E+02	2.303E-13	5.149E-13	6.084E-13	2.020E-13	1.544E-13	1.337E-13	3.736E-13	5.433E-19	3.00E-11	
CONCEN (UC/ML)		7.200E-05	1.120E-04	2.229E-04	6.310E-05	5.330E-05	4.120E-05	1.463E-03			
CURIES		0.029			11.802	18.209	0.022				
% OF TOTAL											
SB-125	1.007E+03	9.914E-15	5.319E-14	3.684E-13	3.953E-13	1.655E-13	5.905E-14	1.152E-13	1.675E-19	1.00E-09	
CONCEN (UC/ML)		3.100E-06	1.892E-05	1.350E-04	1.235E-04	5.714E-05	1.820E-05	4.511E-04			
CURIES		0.001			23.098	19.521	0.010				
% OF TOTAL											
SR-90	1.059E+04	8.315E-13	6.326E-13	1.119E-12	2.817E-14	9.209E-15	6.881E-14	8.438E-13	1.227E-18	9.00E-12	
CONCEN (UC/ML)		2.600E-04	2.250E-04	4.100E-04	8.800E-06	3.180E-06	2.121E-05	3.305E-03			
CURIES		0.105			1.646	1.086	0.011				
% OF TOTAL											
TL-208		1.126E-16						2.814E-17	4.092E-23		
CONCEN (UC/ML)		3.520E-08						1.102E-07			
CURIES											
% OF TOTAL											
TOTAL-EU		1.407E-15						1.816E-12	2.640E-18		
CONCEN (UC/ML)		4.400E-07						7.110E-03			
CURIES											
% OF TOTAL											
TOTAL-PU		3.838E-19				4.663E-18		7.482E-19	1.088E-24		
CONCEN (UC/ML)		1.200E-10				1.610E-09		2.930E-09			
CURIES						0.001					
% OF TOTAL											

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CPP AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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CPP-A
YEARLY
RELEASE
Y SE# CG** % OF CG

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

CPP LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
CO-60 CONCEN (UC/ML) CURIES % OF TOTAL	1.924E+03							1.362E-10 2.870E-04 0.013	5.00E-06	
CS-137 CONCEN (UC/ML) CURIES % OF TOTAL	1.101E+04		2.093E-09 3.810E-04 22.100	2.055E-09 4.090E-04 39.365	3.223E-09 5.930E-04 57.428	4.522E-09 8.410E-04 49.543		1.056E-09 2.224E-03 0.100	3.00E-06	0.04
H-3 CONCEN (UC/ML) CURIES % OF TOTAL	4.490E+03	3.743E-06 7.000E-01 99.082						1.035E-06 2.181E+00 98.364	2.00E-03	0.05
MN-54 CONCEN (UC/ML) CURIES % OF TOTAL	3.122E+02	9.037E-11 1.690E-05 0.002						8.021E-12 1.690E-05 0.001	5.00E-05	
RU-106 CONCEN (UC/ML) CURIES % OF TOTAL	3.726E+02		1.610E-09 2.930E-04 16.995					6.768E-10 1.426E-03 0.064	6.00E-06	0.01
SR-89 CONCEN (UC/ML) CURIES % OF TOTAL	5.052E+01		1.484E-09 2.700E-04 15.661					2.658E-10 5.600E-04 0.025	2.00E-05	
SR-90 CONCEN (UC/ML) CURIES % OF TOTAL	1.059E+04	7.487E-09 1.400E-03 0.198	4.286E-09 7.800E-04 45.243	1.106E-09 2.200E-04 21.174		2.000E-09 3.720E-04 21.915		4.078E-09 8.592E-03 0.388	1.00E-06	0.41
TL-208 CONCEN (UC/ML) CURIES % OF TOTAL		6.096E-10 1.140E-04 0.016						7.499E-11 1.580E-04 0.007		
TOTAL-CS CONCEN (UC/ML) CURIES % OF TOTAL		2.406E-08 4.500E-03 0.637						8.647E-09 1.822E-02 0.822		

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 CPP LIQUID WASTE SUMMARY
 FOR JAN THROUGH DEC 1991

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL	
								AVG CONCEN/ TOT CURIES	% OF CG
TOTAL-PU									
CONCEN (UC/ML)		2.995E-10		5.025E-11	9.022E-11	1.801E-10	3.029E-11	1.759E-10	
CURIES		5.600E-05		1.000E-05	1.660E-05	3.350E-05	5.300E-06	3.706E-04	
% OF TOTAL		0.008		0.962	1.608	1.973	1.412	0.017	
TOTAL-U									
CONCEN (UC/ML)		2.139E-09	3.242E-14	2.010E-09	2.299E-09	2.425E-09	2.114E-09	2.095E-09	
CURIES		4.000E-04	5.900E-09	4.000E-04	4.230E-04	4.510E-04	3.700E-04	4.414E-03	
% OF TOTAL		0.057		38.499	40.965	26.568	98.588	0.198	
TOTALS									
ALPHA CURIES		5.600E-05		1.000E-05	1.660E-05	3.350E-05	5.300E-06	3.706E-04	
% OF TOTAL		0.008		0.962	1.608	1.973	1.412	0.017	
B+G CURIES		7.064E-01	1.724E-03	1.029E-03	1.016E-03	1.664E-03	3.700E-04	2.217E+00	
% OF TOTAL		99.992	100.000	99.038	98.392	98.027	98.588	99.983	
VOLUME (LITERS)		1.870E+08	1.820E+08	1.990E+08	1.840E+08	1.860E+08	1.750E+08	2.107E+09	
GRAND TOTALS (CURIES)		7.065E-01	1.724E-03	1.039E-03	1.033E-03	1.697E-03	3.753E-04	2.217E+00	

* NOTE: DCG value obtained from DOE ORDER 5400.5 dated February 6, 1990, Figures III-1 and III-3

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 CPP DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CE-144 CURIES % OF TOTAL	2.844E+02	1.694E-01 19.700	5.220E-01 19.700	2.238E-01 19.700	8.274E-03 19.700	3.861E-02 19.700	2.285E-02 19.700	4.652E+00 19.700
CS-137 CURIES % OF TOTAL	1.101E+04	8.600E-02 10.000	2.650E-01 10.000	1.136E-01 10.000	4.200E-03 10.000	1.960E-02 10.000	1.160E-02 10.000	2.362E+00 10.000
NB-95 CURIES % OF TOTAL	3.498E+01	2.666E-02 3.100	8.215E-02 3.100	3.522E-02 3.100	1.302E-03 3.100	6.076E-03 3.100	3.596E-03 3.100	7.321E-01 3.100
PR-144 CURIES % OF TOTAL	1.200E-02	1.694E-01 19.700	5.220E-01 19.700	2.238E-01 19.700	8.274E-03 19.700	3.861E-02 19.700	2.285E-02 19.700	4.652E+00 19.700
RH-106 CURIES % OF TOTAL	3.441E-04	8.600E-02 10.000	2.650E-01 10.000	1.136E-01 10.000	4.200E-03 10.000	1.960E-02 10.000	1.160E-02 10.000	2.362E+00 10.000
RU-106 CURIES % OF TOTAL	3.726E+02	8.600E-02 10.000	2.650E-01 10.000	1.136E-01 10.000	4.200E-03 10.000	1.960E-02 10.000	1.160E-02 10.000	2.362E+00 10.000
SB-125 CURIES % OF TOTAL	1.007E+03	3.784E-02 4.400	1.166E-01 4.400	4.998E-02 4.400	1.848E-03 4.400	8.624E-03 4.400	5.104E-03 4.400	1.039E+00 4.400
SR-90 CURIES % OF TOTAL	1.059E+04	8.600E-02 10.000	2.650E-01 10.000	1.136E-01 10.000	4.200E-03 10.000	1.960E-02 10.000	1.160E-02 10.000	2.362E+00 10.000
Y-90 CURIES % OF TOTAL	2.667E+00	8.600E-02 10.000	2.650E-01 10.000	1.136E-01 10.000	4.200E-03 10.000	1.960E-02 10.000	1.160E-02 10.000	2.362E+00 10.000
ZR-95 CURIES % OF TOTAL	6.403E+01	2.666E-02 3.100	8.215E-02 3.100	3.522E-02 3.100	1.302E-03 3.100	6.076E-03 3.100	3.596E-03 3.100	7.321E-01 3.100

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES		8.600E-01	2.650E+00	1.136E+00	4.200E-02	1.960E-01	1.160E-01	2.361E+01
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.985
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)		5.438E+01	9.063E+01	2.356E+01	5.439E+00	2.538E+01	2.357E+01	5.438E+02
WEIGHT (KILOGRAMS)		3.098E+04	4.956E+04	1.348E+04	4.753E+03	2.527E+04	1.585E+04	2.372E+05
GRAND TOTALS (CURIES)		8.600E-01	2.650E+00	1.136E+00	4.200E-02	1.960E-01	1.160E-01	2.362E+01

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CPP SOLID WASTE SUMMARY FOR JAN THROUGH DEC 1991							
		CPP STORED WASTES					
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
MFP							
CURIES		2.940E+05	1.770E+05				
% OF TOTAL		100.000	100.000				
TOTALS							
ALPHA CURIES							
% OF TOTAL							
B+G CURIES		2.940E+05	1.770E+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)		3.190E+01	1.590E+01				
WEIGHT (KILOGRAMS)		2.940E+02					
GRAND TOTALS (CURIES)		2.940E+05	1.770E+05				
						1.770E+02	1.603E+06
						2.940E+02	1.603E+06

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CPP SOLID WASTE SUMMARY
WASTE SENT TO WERF FOR METALLIC PROCESSING
FROM JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CE-144 CURIES % OF TOTAL	2.844E+02	1.655E-02 19.700	2.364E-03 19.700	1.182E-03 19.700	4.728E-03 19.695	9.298E-02 19.700		9.298E-02 19.700
CS-137 CURIES % OF TOTAL	1.101E+04	8.400E-03 10.000	1.200E-03 10.000	6.000E-04 10.000	2.400E-03 9.998	4.720E-02 10.000		4.720E-02 10.000
NB-95 CURIES % OF TOTAL	3.498E+01	2.604E-03 3.100	3.720E-04 3.100	1.860E-04 3.100	7.440E-04 3.099	1.463E-02 3.100		1.463E-02 3.100
PR-144 CURIES % OF TOTAL	1.200E-02	1.655E-02 19.700	2.364E-03 19.700	1.182E-03 19.700	4.734E-03 19.720	9.299E-02 19.701		9.299E-02 19.701
RH-106 CURIES % OF TOTAL	3.441E-04	8.400E-03 10.000	1.200E-03 10.000	6.000E-04 10.000	2.400E-03 9.998	4.720E-02 10.000		4.720E-02 10.000
RU-106 CURIES % OF TOTAL	3.726E+02	8.400E-03 10.000	1.200E-03 10.000	6.000E-04 10.000	2.400E-03 9.998	4.770E-02 10.000		4.770E-02 10.000
SB-125 CURIES % OF TOTAL	1.007E+03	3.696E-03 4.400	5.280E-04 4.400	2.640E-04 4.400	1.056E-03 4.399	2.077E-02 4.400		2.077E-02 4.400
SR-90 CURIES % OF TOTAL	1.059E+04	8.400E-03 10.000	1.200E-03 10.000	6.000E-04 10.000	2.400E-03 9.998	4.720E-02 10.000		4.720E-02 10.000
Y-90 CURIES % OF TOTAL	2.667E+00	8.400E-03 10.000	1.200E-03 10.000	6.000E-04 10.000	2.400E-03 9.998	4.720E-02 10.000		4.720E-02 10.000
ZR-95 CURIES % OF TOTAL	6.403E+01	2.604E-03 3.100	3.720E-04 3.100	1.860E-04 3.100	7.440E-04 3.099	1.463E-02 3.100		1.463E-02 3.100
TOTALS		8.400E-02 100.000	1.200E-02 100.000	6.000E-03 100.000	2.401E-02 100.000	4.720E-01 99.997		4.720E-01 99.997
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)		3.988E+01 8.061E+03	7.250E+00 1.134E+03	8.580E+00 2.760E+03	1.450E+01 3.851E+03	2.569E+02 5.426E+04		2.569E+02 5.426E+04
GRAND TOTALS (CURIES)		8.400E-02	1.200E-02	6.000E-03	2.401E-02	4.720E-01		4.720E-01

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NUCLIDES	HALF LIFE (DAYS)	CPP SOLID WASTE SUMMARY WRF INCINERATOR PROCESSED WASTE FROM JAN THROUGH DEC 1991					ANNUAL TOTAL
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	
CE-144 CURIES % OF TOTAL	2.844E+02	6.501E-02 19.700	6.619E-02 19.700	1.773E-02 19.700	3.546E-02 19.700	5.910E-02 19.700	4.090E-01 19.700
CS-137 CURIES % OF TOTAL	1.101E+04	3.300E-02 10.000	3.360E-02 10.000	9.000E-03 10.000	1.800E-02 10.000	3.000E-02 10.000	2.076E-01 10.000
NB-95 CURIES % OF TOTAL	3.498E+01	1.023E-02 3.100	1.042E-02 3.100	2.790E-03 3.100	5.580E-03 3.100	9.300E-03 3.100	6.436E-02 3.100
PR-144 CURIES % OF TOTAL	1.200E-02	6.501E-02 19.700	6.619E-02 19.700	1.773E-02 19.700	3.546E-02 19.700	5.910E-02 19.700	4.090E-01 19.700
RH-106 CURIES % OF TOTAL	3.441E-04	3.300E-02 10.000	3.360E-02 10.000	9.000E-03 10.000	1.800E-02 10.000	3.000E-02 10.000	2.106E-01 10.145
RU-106 CURIES % OF TOTAL	3.726E+02	3.300E-02 10.000	3.360E-02 10.000	9.000E-03 10.000	1.800E-02 10.000	3.000E-02 10.000	2.046E-01 9.855
SB-125 CURIES % OF TOTAL	1.007E+03	1.452E-02 4.400	1.478E-02 4.400	3.960E-03 4.400	7.920E-03 4.400	1.320E-02 4.400	9.134E-02 4.400
SR-90 CURIES % OF TOTAL	1.059E+04	3.300E-02 10.000	3.360E-02 10.000	9.000E-03 10.000	1.800E-02 10.000	3.000E-02 10.000	2.076E-01 10.000
Y-90 CURIES % OF TOTAL	2.667E+00	3.300E-02 10.000	3.360E-02 10.000	9.000E-03 10.000	1.800E-02 10.000	3.000E-02 10.000	2.076E-01 10.000
ZR-95 CURIES % OF TOTAL	6.403E+01	1.023E-02 3.100	1.042E-02 3.100	2.790E-03 3.100	5.580E-03 3.100	9.300E-03 3.100	6.436E-02 3.100
TOTALS ALPHA CURIES % OF TOTAL		3.300E-01 100.000	3.360E-01 100.000	9.000E-02 100.000	1.800E-01 100.000	3.000E-01 100.000	2.076E+00 99.998
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)		3.670E+01 3.300E+03	5.868E+01 5.936E+03	3.670E+01 3.490E+03	7.318E+01 8.935E+03	1.835E+01 1.660E+03	4.621E+02 4.429E+04
GRAND TOTALS (CURIES)		3.300E-01	3.360E-01	9.000E-02	1.800E-01	3.000E-01	2.076E+00

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CPP SOLID WASTE SUMMARY
WASTE SENT TO WERF FOR COMPACTION
FROM JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CE-144 CURIES	2.844E+02					5.910E-02 19.700		1.501E-01 19.700
% OF TOTAL								
CS-137 CURIES	1.101E+04					3.000E-02 10.000		7.620E-02 10.000
% OF TOTAL								
NB-95 CURIES	3.498E+01					9.300E-03 3.100		2.362E-02 3.100
% OF TOTAL								
PR-144 CURIES	1.200E-02					5.910E-02 19.700		1.501E-01 19.700
% OF TOTAL								
RH-106 CURIES	3.441E-04					3.000E-02 10.000		7.620E-02 10.000
% OF TOTAL								
RJ-106 CURIES	3.726E+02					3.000E-02 10.000		7.620E-02 10.000
% OF TOTAL								
SB-125 CURIES	1.007E+03					1.320E-02 4.400		3.353E-02 4.400
% OF TOTAL								
SR-90 CURIES	1.059E+04					3.000E-02 10.000		7.620E-02 10.000
% OF TOTAL								
Y-90 CURIES	2.667E+00					3.000E-02 10.000		7.620E-02 10.000
% OF TOTAL								
ZR-95 CURIES	6.403E+01					9.300E-03 3.100		2.362E-02 3.100
% OF TOTAL								
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES						3.000E-01 100.000		7.620E-01 99.999
% 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)						2.832E+01		1.643E+02
WEIGHT (KILOGRAMS)						3.000E+03		2.256E+04
GRAND TOTALS (CURIES)						3.000E-01		7.620E-01

**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 1991

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CPP-A
YEARLY
RELEASE
% OF CG

NUCLIDES HALF LIFE
(DAYS)

C-14 2.092E+06
CONCEN (UC/ML) 2.135E-11 2.966E-12 8.872E-12
CURIES 6.600E-03 1.000E-03 2.800E-03
% OF TOTAL

CO-57 2.718E+02
CONCEN (UC/ML) 2.694E-16 8.400E-08
CURIES 4.386E-17 6.377E-23 2.00E-09
% OF TOTAL

CO-60 1.924E+03
CONCEN (UC/ML) 1.165E-15 4.153E-15 1.798E-14 2.598E-14 3.207E-15 1.546E-15 8.960E-15 1.303E-20 8.00E-11
CURIES 3.600E-07 1.400E-06 5.700E-06 8.200E-06 1.000E-06 5.020E-07 1.716E-05
% OF TOTAL 0.002

CS-134 7.537E+02
CONCEN (UC/ML) 5.823E-14 1.810E-13 6.938E-13 9.506E-13 1.539E-13 4.928E-14 3.461E-13 5.033E-19 2.00E-10
CURIES 1.800E-05 6.100E-05 2.200E-04 3.000E-04 4.800E-05 1.600E-05 6.630E-04
% OF TOTAL 0.090

CS-137 1.101E+04
CONCEN (UC/ML) 2.045E-12 5.936E-12 2.649E-11 3.485E-11 6.113E-12 2.003E-12 1.284E-11 1.867E-17 4.00E-10
CURIES 6.322E-04 2.001E-03 4.401E-03 1.100E-02 1.906E-03 6.504E-04 2.459E-02
% OF TOTAL 3.427

H-3 4.490E+03
CONCEN (UC/ML) 5.823E-08 1.525E-08 7.379E-10 1.584E-09 4.811E-08 1.109E-08 2.218E-08 3.225E-14 1.00E-07
CURIES 1.800E+01 5.140E+00 2.340E-01 5.000E-01 1.500E+01 3.600E+00 4.247E+01
% OF TOTAL 0.090 0.051 95.453 0.005 99.845 99.607 0.106

I-129 5.840E+09
CONCEN (UC/ML) 4.173E-11 9.789E-12 4.573E-12 1.695E-11 6.735E-11 4.004E-11 2.976E-11 4.327E-17 7.00E-11
CURIES 1.290E-02 3.300E-03 1.450E-03 5.350E-03 2.100E-02 1.300E-02 5.700E-02
% OF TOTAL 0.591

KR-85 3.913E+03
CONCEN (UC/ML) 6.470E-05 2.966E-05 3.169E-05
CURIES 2.000E+04 1.000E+04 1.000E+04
% OF TOTAL 99.910 99.949 99.995

RU-106 3.726E+02
CONCEN (UC/ML) 2.113E-13 1.610E-13 4.100E-13 6.979E-13 2.844E-13 1.048E-12 4.692E-13 6.823E-19 3.00E-11
CURIES 6.530E-05 5.427E-05 1.300E-04 2.203E-04 8.867E-05 3.402E-04 8.987E-04
% OF TOTAL 0.053 0.001 0.009

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG** % OF CG
SR-125	1.007E+03									
CONCEN (UC/ML)		2.329E-14	3.649E-14	4.100E-14	4.594E-14	3.368E-14	1.161E-13	4.970E-14	7.227E-20	1.00E-09
CURIES		7.200E-06	1.230E-05	1.300E-05	1.450E-05	1.050E-05	3.770E-05	9.520E-05		
% OF TOTAL			0.005				0.001			
SR-90	1.059E+04									
CONCEN (UC/ML)		5.501E-13	4.746E-13	2.905E-12	2.440E-12	6.735E-13	4.466E-13	1.241E-12	1.804E-18	9.00E-12
CURIES		1.701E-04	1.600E-04	9.213E-04	7.700E-04	2.100E-04	1.450E-04	2.376E-03		
% OF TOTAL				0.376		0.001	0.004			
TL-208										
CONCEN (UC/ML)				1.009E-16		7.056E-17	6.468E-17	3.916E-17	5.694E-23	
CURIES				3.200E-08		2.200E-08	2.100E-08	7.500E-08		
% OF TOTAL										
TOTAL-EU										
CONCEN (UC/ML)		1.132E-15	2.225E-15	2.113E-14	2.250E-11	3.528E-15	1.601E-15	3.712E-12	5.397E-18	
CURIES		3.500E-07	7.500E-07	6.700E-06	7.100E-03	1.100E-06	5.200E-07	7.109E-03		
% OF TOTAL				0.003						
TOTAL-PU										
CONCEN (UC/ML)					3.802E-18			6.265E-19	9.110E-25	
CURIES					1.200E-09			1.200E-09		
% OF TOTAL										
TOTALS					1.200E-09			1.200E-09		
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		2.002E+04	1.001E+04	2.451E-01	1.000E+04	1.502E+01	3.614E+00	4.004E+04		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (CU. METERS)		3.091E+08	3.371E+08	3.171E+08	3.156E+08	3.118E+08	3.247E+08	1.915E+09		
GRAND TOTALS (CURIES)		2.002E+04	1.001E+04	2.451E-01	1.000E+04	1.502E+01	3.614E+00	4.004E+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

CPP LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CS *	% OF CS
CO-60	1.924E+03									
CONCEN (UC/ML)							1.719E-09	2.887E-10	5.00E-06	0.01
CURIES							2.870E-04	2.870E-04		
% OF TOTAL							0.052	0.019		
H-3	4.490E+03									
CONCEN (UC/ML)						5.376E-06	3.299E-06	1.490E-06	2.00E-03	0.07
CURIES						9.300E-01	5.510E-01	1.481E+00		
% OF TOTAL						99.291	99.487	98.411		
RU-106	3.726E+02									
CONCEN (UC/ML)		2.185E-09	1.185E-09	3.861E-09				1.140E-09	6.00E-06	0.02
CURIES		3.780E-04	1.990E-04	5.560E-04				1.133E-03		
% OF TOTAL		22.799	6.931	11.062				0.075		
SR-89	5.052E+01									
CONCEN (UC/ML)						1.676E-09		2.918E-10	2.00E-05	
CURIES						2.900E-04		2.900E-04		
% OF TOTAL						0.031		0.019		
SR-90	1.059E+04									
CONCEN (UC/ML)						5.780E-09		5.855E-09	1.00E-06	0.59
CURIES			4.583E-09	1.160E-08	1.408E-08	1.000E-03		5.820E-03		
% OF TOTAL			7.700E-04	1.670E-03	2.380E-03	0.107		0.387		
			26.820	33.227	48.849					
TL-208										
CONCEN (UC/ML)							2.635E-10	4.427E-11		
CURIES							4.400E-05	4.400E-05		
% OF TOTAL							0.008	0.003		
TOTAL-CS										
CONCEN (UC/ML)		5.549E-09	8.631E-09	1.681E-08	1.213E-08	2.803E-08	1.192E-08	1.380E-08		
CURIES		9.600E-04	1.450E-03	2.420E-03	2.050E-03	4.850E-03	1.990E-03	1.372E-02		
% OF TOTAL		57.901	50.505	48.150	42.075	0.518	0.359	0.912		
TOTAL-PU										
CONCEN (UC/ML)		1.156E-10	3.095E-10	4.167E-10	3.680E-10	3.179E-10	1.737E-13	2.507E-10		
CURIES		2.000E-05	5.200E-05	6.000E-05	6.220E-05	5.500E-05	2.900E-08	2.492E-04		
% OF TOTAL		1.206	1.811	1.194	1.277	0.006		0.017		
TOTAL-U										
CONCEN (UC/ML)		1.734E-09	2.381E-09	2.222E-09	2.249E-09	2.601E-09	3.114E-09	2.384E-09		
CURIES		3.000E-04	4.000E-04	3.200E-04	3.800E-04	4.500E-04	5.200E-04	2.370E-03		
% OF TOTAL		18.094	13.932	6.367	7.799	0.048	0.094	0.157		

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CPP LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CS *	% OF CS
TOTALS										
ALPHA CURIES		2.000E-05	5.200E-05	6.000E-05	6.220E-05	5.500E-05	2.900E-08	2.492E-04		
% OF TOTAL		1.206	1.811	1.194	1.277	0.006		0.017		
B+G CURIES		1.638E-03	2.819E-03	4.966E-03	4.810E-03	9.366E-01	5.538E-01	1.505E+00		
% OF TOTAL		98.794	98.189	98.806	98.723	99.994	100.000	99.983		
VOLUME (LITERS)		1.730E+08	1.680E+08	1.440E+08	1.690E+08	1.730E+08	1.670E+08	9.940E+08		
GRAND TOTALS (CURIES)		1.658E-03	2.871E-03	5.026E-03	4.872E-03	9.366E-01	5.538E-01	1.505E+00		

* 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
CPP DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

SCHED. NO. P61PM009-G

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CE-144 CURIES % OF TOTAL	2.844E+02	1.509E+00 19.700	4.188E-01 19.700	4.925E-01 19.700	2.990E-01 19.701	3.550E-01 19.700	5.930E-01 19.700	3.667E+00 19.700
CS-137 CURIES % OF TOTAL	1.101E+04	7.660E-01 10.000	2.126E-01 10.000	2.500E-01 10.000	1.518E-01 10.000	1.802E-01 10.000	3.010E-01 10.000	1.862E+00 10.000
NB-95 CURIES % OF TOTAL	3.498E+01	2.375E-01 3.100	6.591E-02 3.100	7.750E-02 3.100	4.706E-02 3.100	5.586E-02 3.100	9.331E-02 3.100	5.771E-01 3.100
PR-144 CURIES % OF TOTAL	1.200E-02	1.509E+00 19.700	4.188E-01 19.700	4.925E-01 19.700	2.990E-01 19.701	3.550E-01 19.700	5.930E-01 19.700	3.667E+00 19.700
RH-106 CURIES % OF TOTAL	3.441E-04	7.660E-01 10.000	2.126E-01 10.000	2.500E-01 10.000	1.518E-01 10.000	1.802E-01 10.000	3.010E-01 10.000	1.862E+00 10.000
RU-106 CURIES % OF TOTAL	3.726E+02	7.660E-01 10.000	2.126E-01 10.000	2.500E-01 10.000	1.518E-01 10.000	1.802E-01 10.000	3.010E-01 10.000	1.862E+00 10.000
SB-125 CURIES % OF TOTAL	1.007E+03	3.370E-01 4.400	9.354E-02 4.400	1.100E-01 4.400	6.679E-02 4.400	7.929E-02 4.400	1.324E-01 4.400	8.191E-01 4.400
SR-90 CURIES % OF TOTAL	1.059E+04	7.660E-01 10.000	2.126E-01 10.000	2.500E-01 10.000	1.518E-01 10.000	1.802E-01 10.000	3.010E-01 10.000	1.862E+00 10.000
Y-90 CURIES % OF TOTAL	2.667E+00	7.660E-01 10.000	2.126E-01 10.000	2.500E-01 10.000	1.518E-01 10.000	1.802E-01 10.000	3.010E-01 10.000	1.862E+00 10.000
ZR-95 CURIES % OF TOTAL	6.403E+01	2.375E-01 3.100	6.591E-02 3.100	7.750E-02 3.100	4.706E-02 3.100	5.586E-02 3.100	9.331E-02 3.100	5.771E-01 3.100

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

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CPP DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES		7.660E+00	2.126E+00	2.500E+00	1.518E+00	1.802E+00	3.010E+00	1.861E+01
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.99%
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)		8.882E+01	3.263E+01	5.800E+01	8.700E+01	2.538E+01	2.900E+01	3.208E+02
WEIGHT (KILOGRAMS)		2.973E+04	1.191E+04	1.478E+04	2.287E+04	7.834E+03	1.019E+04	9.731E+04
GRAND TOTALS (CURIES)		7.660E+00	2.126E+00	2.500E+00	1.518E+00	1.802E+00	3.010E+00	1.862E+01

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NUCLIDES	HALF LIFE (DAYS)	CPP SOLID WASTE SUMMARY FOR JAN THROUGH JUN 1991 CPP STORED WASTES					ANNUAL TOTAL
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
MFP							
CURIES							
% OF TOTAL		3.050E+05 100.000		1.000E-20 100.000	2.160E+05 100.000	3.170E+05 100.000	2.940E+05 100.000
							1.132E+06 100.000
TOTALS							
ALPHA CURIES							
% OF TOTAL							
B+G CURIES		3.050E+05 100.000		1.000E-20 100.000	2.160E+05 100.000	3.170E+05 100.000	2.940E+05 100.000
% OF TOTAL							1.132E+06 100.000
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)		3.126E+01		6.145E+00	2.610E+01	2.675E+01	3.890E+01
WEIGHT (KILOGRAMS)							1.292E+02
GRAND TOTALS (CURIES)		3.050E+05		1.000E-20	2.160E+05	3.170E+05	2.940E+05
							1.132E+06

IDAHO OPERATIONS OFFICE
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 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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CPP SOLID WASTE SUMMARY

WASTE SENT TO MERF FOR METALLIC PROCESSING

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CE-144 CURIES	2.844E+02	1.655E-02	7.092E-03	2.088E-02	1.655E-02		7.092E-03	6.816E-02
% OF TOTAL		19.700	19.700	19.700	19.700		19.700	19.700
CS-137 CURIES	1.101E+04	8.400E-03	3.600E-03	1.060E-02	8.400E-03		3.600E-03	3.460E-02
% OF TOTAL		10.000	10.000	10.000	10.000		10.000	10.000
NB-95 CURIES	3.498E+01	2.604E-03	1.116E-03	3.286E-03	2.604E-03		1.116E-03	1.073E-02
% OF TOTAL		3.100	3.100	3.100	3.100		3.100	3.100
PR-144 CURIES	1.200E-02	1.655E-02	7.092E-03	2.088E-02	1.655E-02		7.092E-03	6.816E-02
% OF TOTAL		19.700	19.700	19.700	19.700		19.700	19.700
RH-106 CURIES	3.441E-04	8.400E-03	3.600E-03	1.060E-02	8.400E-03		3.600E-03	3.460E-02
% OF TOTAL		10.000	10.000	10.000	10.000		10.000	10.000
RU-106 CURIES	3.726E+02	8.400E-03	3.600E-03	1.060E-02	8.400E-03		3.600E-03	3.460E-02
% OF TOTAL		10.000	10.000	10.000	10.000		10.000	10.000
SB-125 CURIES	1.007E+03	3.696E-03	1.584E-03	4.664E-03	3.696E-03		1.584E-03	1.522E-02
% OF TOTAL		4.400	4.400	4.400	4.400		4.400	4.400
SR-90 CURIES	1.059E+04	8.400E-03	3.600E-03	1.060E-02	8.400E-03		3.600E-03	3.460E-02
% OF TOTAL		10.000	10.000	10.000	10.000		10.000	10.000
Y-90 CURIES	2.667E+00	8.400E-03	3.600E-03	1.060E-02	8.400E-03		3.600E-03	3.460E-02
% OF TOTAL		10.000	10.000	10.000	10.000		10.000	10.000
ZR-95 CURIES	6.403E+01	2.604E-03	1.116E-03	3.286E-03	2.604E-03		1.116E-03	1.073E-02
% OF TOTAL		3.100	3.100	3.100	3.100		3.100	3.100
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES		8.400E-02	3.600E-02	1.060E-01	8.400E-02		3.600E-02	3.460E-01
% OF TOTAL		100.000	100.000	100.000	100.000		100.000	99.997
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)		5.075E+01	2.175E+01	5.075E+01	4.169E+01		2.175E+01	1.867E+02
WEIGHT (KILOGRAMS)		1.124E+04	4.129E+03	1.007E+04	8.618E+03		4.402E+03	3.846E+04
GRAND TOTALS (CURIES)		8.400E-02	3.600E-02	1.060E-01	8.400E-02		3.600E-02	3.460E-01

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

SCHED. NO. P61PM009-N

CPP SOLID WASTE SUMMARY
MERF INCINERATOR PROCESSED WASTE
FROM JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CE-144 CURIES % OF TOTAL	2.844E+02	6.501E-02 19.700	4.137E-02 19.700	3.546E-02 19.700	1.773E-02 19.700	5.910E-03 19.700		1.655E-01 19.700
CS-137 CURIES % OF TOTAL	1.101E+04	3.300E-02 10.000	2.100E-02 10.000	1.800E-02 10.000	9.000E-03 10.000	3.000E-03 10.000		8.400E-02 10.000
NB-95 CURIES % OF TOTAL	3.498E+01	1.023E-02 3.100	6.510E-03 3.100	5.580E-03 3.100	2.790E-03 3.100	9.300E-04 3.100		2.604E-02 3.100
PR-144 CURIES % OF TOTAL	1.200E-02	6.501E-02 19.700	4.137E-02 19.700	3.546E-02 19.700	1.773E-02 19.700	5.910E-03 19.700		1.655E-01 19.700
RH-106 CURIES % OF TOTAL	3.441E-04	3.300E-02 10.000	2.100E-02 10.000	2.100E-02 11.667	9.000E-03 10.000	3.000E-03 10.000		8.700E-02 10.357
RU-106 CURIES % OF TOTAL	3.726E+02	3.300E-02 10.000	2.100E-02 10.000	1.500E-02 8.333	9.000E-03 10.000	3.000E-03 10.000		8.100E-02 9.643
SB-125 CURIES % OF TOTAL	1.007E+03	1.452E-02 4.400	9.240E-03 4.400	7.920E-03 4.400	3.960E-03 4.400	1.320E-03 4.400		3.696E-02 4.400
SR-90 CURIES % OF TOTAL	1.059E+04	3.300E-02 10.000	2.100E-02 10.000	1.800E-02 10.000	9.000E-03 10.000	3.000E-03 10.000		8.400E-02 10.000
Y-90 CURIES % OF TOTAL	2.667E+00	3.300E-02 10.000	2.100E-02 10.000	1.800E-02 10.000	9.000E-03 10.000	3.000E-03 10.000		8.400E-02 10.000
ZR-95 CURIES % OF TOTAL	6.403E+01	1.023E-02 3.100	6.510E-03 3.100	5.580E-03 3.100	2.790E-03 3.100	9.300E-04 3.100		2.604E-02 3.100
TOTALS		3.300E-01 100.000	2.100E-01 100.000	1.800E-01 100.000	9.000E-02 100.000	3.000E-02 100.000		8.400E-01 99.999
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)		5.505E+01	7.340E+01	3.670E+01	5.505E+01	1.835E+01		2.385E+02
WEIGHT (KILOGRAMS)		4.610E+03	6.420E+03	3.440E+03	4.920E+03	1.580E+03		2.097E+04
GRAND TOTALS (CURIES)		3.300E-01	2.100E-01	1.800E-01	9.000E-02	3.000E-02		8.400E-01

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

RUN DATE: 05/21/92

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 CPP-S

 CPP SOLID WASTE SUMMARY
 WASTE SENT TO WERF FOR COMPACTION
 FROM JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
CE-144	2.844E+02	2.522E-02	5.201E-02		1.379E-02			9.101E-02
CURIES		19.700	19.700		19.700			19.700
% OF TOTAL								
CS-137	1.101E+04	1.280E-02	2.640E-02		7.000E-03			4.620E-02
CURIES		10.000	10.000		10.000			10.000
% OF TOTAL								
NB-95	3.498E+01	3.968E-03	8.184E-03		2.170E-03			1.432E-02
CURIES		3.100	3.100		3.100			3.100
% OF TOTAL								
PR-144	1.200E-02	2.522E-02	5.201E-02		1.379E-02			9.101E-02
CURIES		19.700	19.700		19.700			19.700
% OF TOTAL								
RH-106	3.441E-04	1.280E-02	2.640E-02		7.000E-03			4.620E-02
CURIES		10.000	10.000		10.000			10.000
% OF TOTAL								
RU-106	3.726E+02	1.280E-02	2.640E-02		7.000E-03			4.620E-02
CURIES		10.000	10.000		10.000			10.000
% OF TOTAL								
SB-125	1.007E+03	5.632E-03	1.162E-02		3.080E-03			2.033E-02
CURIES		4.400	4.400		4.400			4.400
% OF TOTAL								
SR-90	1.059E+04	1.280E-02	2.640E-02		7.000E-03			4.620E-02
CURIES		10.000	10.000		10.000			10.000
% OF TOTAL								
Y-90	2.667E+00	1.280E-02	2.640E-02		7.000E-03			4.620E-02
CURIES		10.000	10.000		10.000			10.000
% OF TOTAL								
ZR-95	6.403E+01	3.968E-03	8.184E-03		2.170E-03			1.432E-02
CURIES		3.100	3.100		3.100			3.100
% OF TOTAL								
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES		1.280E-01	2.640E-01		7.000E-02			4.620E-01
% OF TOTAL		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)		3.886E+01	6.800E+01		2.914E+01			1.360E+02
WEIGHT (KILOGRAMS)		5.570E+03	9.235E+03		4.750E+03			1.956E+04
GRAND TOTALS (CURIES)		1.280E-01	2.640E-01		7.000E-02			4.620E-01

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

RUN DATE: 05/20/92

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

SCHED. NO. P61PH009-D

PAGE 1 RPT. 221
CPP-A YEARLY
RELEASE
% OF CG

CPP FAST STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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)				5.643E-11				4.736E-12	6.886E-18	6.00E-09
CURIES				5.000E-03				5.000E-03		
UNCERT(CURIES)				1.010E-06						
UNCERT(UC/ML)										
% OF TOTAL				97.677						
CO-60	1.924E+03									
CONCEN (UC/ML)								3.978E-17	5.785E-23	8.00E-11
CURIES								4.200E-08		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
CS-134	7.537E+02									
CONCEN (UC/ML)					7.346E-16			5.872E-17	8.539E-23	2.00E-10
CURIES					6.200E-08			6.200E-08		
UNCERT(CURIES)					2.700E-08					
UNCERT(UC/ML)										
% OF TOTAL					0.049					
CS-137	1.101E+04									
CONCEN (UC/ML)								4.359E-14	6.338E-20	4.00E-10
CURIES				1.412E-14	2.868E-13	6.772E-14	9.977E-15	4.602E-05		
UNCERT(CURIES)				1.200E-06	2.550E-05	6.000E-06	5.010E-07	8.670E-07		
UNCERT(UC/ML)				4.900E-08	4.100E-07	1.800E-07	6.900E-08	4.800E-08		
% OF TOTAL				27.765	0.007	0.117	1.663			
H-3	4.490E+03									
CONCEN (UC/ML)								6.526E-10	9.489E-16	1.00E-07
CURIES								6.890E-01		
UNCERT(CURIES)								1.910E-01		
UNCERT(UC/ML)								1.400E-02		
% OF TOTAL								99.992	0.007	
KR-85	3.913E+03									
CONCEN (UC/ML)								9.471E-06	1.377E-11	3.00E-06
CURIES								1.000E+04		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL									99.993	
IN-54	3.122E+02									
CONCEN (UC/ML)								2.084E-17	3.030E-23	2.00E-09
CURIES								2.200E-08		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										

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

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CPP-A

CPP MAIN STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE* CG**

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
C-14	2.092E+06							8.750E-12	8.178E-18	6.00E-09
CONCEN (UC/ML)				1.642E-11				1.260E-02		
CURIES				2.790E-03						
UNCERT(CURIES)				1.350E-08						
UNCERT(UC/ML)										
% OF TOTAL										
CO-57	2.718E+02							5.833E-17	5.452E-23	2.00E-09
CONCEN (UC/ML)								8.400E-08		
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
CO-60	1.924E+03							1.296E-14	1.211E-20	8.00E-11
CONCEN (UC/ML)								1.866E-05		
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
CS-134	7.537E+02							5.069E-13	4.737E-19	2.00E-10
CONCEN (UC/ML)								7.299E-04		
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
CS-137	1.101E+04							1.944E-11	1.817E-17	4.00E-10
CONCEN (UC/ML)								2.799E-02		
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
EU-154	3.103E+03							1.559E-15	1.457E-21	5.00E-11
CONCEN (UC/ML)								2.245E-06		
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
H-3	4.490E+03							2.958E-08	2.765E-14	1.00E-07
CONCEN (UC/ML)								4.260E+01		
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										

0.085

98.041

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 U.S. DEPARTMENT OF ENERGY
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RUN DATE: 05/20/92

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 CPP-A YEARLY
 RELEASE
 % OF CG

 CPP MAIN STACK AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
I-129	5.840E+09										
CONCN (UC/ML)		2.846E-11	2.176E-11	5.455E-12	2.703E-12			4.462E-11	4.170E-17		7.00E-11
CURIES		3.500E-03	2.720E-03	7.310E-04	3.000E-04			6.425E-02			
UNCERT(CURIES)		2.300E-04	1.500E-04	2.720E-09	6.600E-10						
UNCERT(UC/ML)											
% OF TOTAL		1.412			73.456						
KR-85	3.913E+03										
CONCN (UC/ML)			8.000E-05	7.463E-05				3.472E-05	3.245E-11		3.00E-06
CURIES			1.000E+04	1.000E+04				5.000E+04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			100.000	100.000				99.915			
RU-106	3.726E+02										
CONCN (UC/ML)		5.854E-13	8.960E-13	1.642E-12	5.315E-13	4.595E-13	3.583E-13	1.009E-12	9.427E-19		3.00E-11
CURIES		7.200E-05	1.120E-04	2.200E-04	5.900E-05	5.330E-05	4.120E-05	1.453E-03			
UNCERT(CURIES)		1.300E-06	1.900E-06	3.900E-06	1.100E-06	1.170E-06	9.300E-07				
UNCERT(UC/ML)											
% OF TOTAL		0.029			14.446	22.262	30.349				
SB-125	1.007E+03										
CONCN (UC/ML)			7.480E-14	1.866E-13	3.153E-14	3.741E-14	3.826E-14	6.763E-14	6.321E-20		1.00E-09
CURIES			9.350E-06	2.500E-05	3.500E-06	4.340E-06	4.400E-06	9.739E-05			
UNCERT(CURIES)			3.000E-06	6.200E-07	2.000E-07	1.970E-07	2.000E-07				
UNCERT(UC/ML)											
% OF TOTAL				0.857		1.813	3.241				
SR-90	1.059E+04										
CONCN (UC/ML)		2.114E-12	1.800E-12	3.060E-12	7.928E-14	2.741E-14	1.809E-13	2.294E-12	2.144E-18		9.00E-12
CURIES		2.600E-04	2.250E-04	4.100E-04	8.800E-06	3.180E-06	2.080E-05	3.303E-03			
UNCERT(CURIES)		8.500E-06	7.600E-06	1.300E-05	8.700E-07	9.100E-07	2.200E-06				
UNCERT(UC/ML)											
% OF TOTAL		0.105			2.155	1.328	15.322				
TL-208											
CONCN (UC/ML)		2.358E-16						2.014E-17	1.882E-23		
CURIES		2.900E-08						2.900E-08			
UNCERT(CURIES)		1.100E-08									
UNCERT(UC/ML)											
% OF TOTAL											
TOTAL-EU											
CONCN (UC/ML)		3.577E-15						4.937E-12	4.614E-18		
CURIES		4.400E-07						7.110E-03			
UNCERT(CURIES)		5.000E-08									
UNCERT(UC/ML)											
% OF TOTAL											

SCHED. NO. P61PN009-D

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

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CPP MAIN STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

PAGE 3 RPT. 219
CPP-A
YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVS CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
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TOTAL-PU											
CONCEN (UC/ML)						1.388E-17		1.118E-18	1.045E-24		
CURIES						1.610E-09		1.610E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL						0.001					

TOTALS											
ALPHA CURIES						1.610E-09		1.610E-09			
% OF TOTAL						0.001					
B+G CURIES		2.479E-01	1.000E+04	1.000E+04	4.084E-04	2.394E-04	1.358E-04	5.004E+04			
% OF TOTAL		100.000	100.000	100.000	100.000	99.999	100.000	100.000			
VOLUME (CU. METERS)		1.230E+08	1.250E+08	1.340E+08	1.110E+08	1.160E+08	1.150E+08	1.440E+09			
GRAND TOTALS (CURIES)		2.479E-01	1.000E+04	1.000E+04	4.084E-04	2.394E-04	1.358E-04	5.004E+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

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CPP NMCF STACK AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991														PAGE	1 RPT.	220
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL		YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG				
								AVG CONCEN/ TOT CURIES	TOT CURIES							
CS-137	1.101E+04															
CONCEN (UC/ML)			2.132E-15							2.196E-16	2.507E-22	4.00E-10				
CURIES			2.580E-07							2.580E-07						
UNCERT(CURIES)			9.100E-08													
UNCERT(UC/ML)																
% OF TOTAL			100.000							35.917						
SR-90	1.059E+04															
CONCEN (UC/ML)							4.739E-15			3.906E-16	4.460E-22	9.00E-12				
CURIES							4.080E-07			4.590E-07						
UNCERT(CURIES)							1.510E-08									
UNCERT(UC/ML)										63.899						
% OF TOTAL							100.000									
TOTAL-PU																
CONCEN (UC/ML)		1.420E-18								1.123E-18	1.283E-24					
CURIES		1.200E-10								1.320E-09						
UNCERT(CURIES)		7.400E-11														
UNCERT(UC/ML)																
% OF TOTAL		100.000								0.184						
TOTALS																
ALPHA CURIES		1.200E-10								1.320E-09						
% OF TOTAL		100.000								0.184						
B+G CURIES			2.580E-07				4.080E-07			7.170E-07						
% OF TOTAL			100.000				100.000			99.816						
VOLUME (CU. METERS)		8.450E+07	1.210E+08	1.230E+08	9.680E+07	1.190E+08	8.610E+07	1.175E+09								
GRAND TOTALS (CURIES)		1.200E-10	2.580E-07				4.080E-07	7.183E-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: 05/20/92

CPP RAL STACK AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991												PAGE	1 RPT. 225
												CPP-A	
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL		YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG	
								AVG CONCEN/ TOT CURIES					
CO-60	1.924E+03												
CONCEN (UC/ML)		1.238E-15											
CURIES		2.500E-08											
UNCERT(CURIES)		6.400E-09											
UNCERT(UC/ML)													
% OF TOTAL		56.561											
											3.883		
CS-137	1.101E+04												
CONCEN (UC/ML)		6.436E-16											
CURIES		1.300E-08											
UNCERT(CURIES)		5.100E-08											
UNCERT(UC/ML)													
% OF TOTAL		29.412											
											95.155		
TL-208													
CONCEN (UC/ML)		3.069E-16											
CURIES		6.200E-09											
UNCERT(CURIES)		1.700E-08											
UNCERT(UC/ML)													
% OF TOTAL		14.027											
											0.963		
TOTALS													
ALPHA CURIES													
% OF TOTAL													
B+G CURIES		4.420E-08											
% OF TOTAL		100.000											
											6.439E-07		
											100.000		
VOLUME (CU. METERS)		2.020E+07	2.080E+07	2.080E+07	2.020E+07	2.020E+07	2.020E+07	2.020E+07	2.452E+08				
GRAND TOTALS (CURIES)		4.420E-08											
											6.439E-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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CPP LIQUID WASTE TO INFILTRATION POND
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCENT/ TOT CURIES	CG *	% OF CG
CO-60	1.924E+03							1.362E-10 2.870E-04	5.00E-06	
CONCEN (UC/ML)										
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.013		
CS-137	1.101E+04							1.056E-09 2.224E-03	3.00E-06	0.04
CONCEN (UC/ML)										
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.100		
H-3	4.490E+03							1.035E-06 2.181E+00	2.00E-03	0.05
CONCEN (UC/ML)										
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								98.364		
MN-54	3.122E+02							8.021E-12 1.690E-05	5.00E-05	
CONCEN (UC/ML)										
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.001		
RU-106	3.726E+02							6.768E-10 1.426E-03	6.00E-06	0.01
CONCEN (UC/ML)										
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.064		
SR-89	5.052E+01							2.658E-10 5.600E-04	2.00E-05	
CONCEN (UC/ML)										
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.025		
SR-90	1.059E+04							4.078E-09 8.592E-03	1.00E-06	0.41
CONCEN (UC/ML)										
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.388		

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CPP LIQUID WASTE TO INFILTRATION POND
FOR JAN THROUGH DEC 1991

ANNUAL
AVG CONCEN/
TOT CURIES

CG * % OF CG

HALF LIFE
(DAYS)

NUCLIDES

JULY

AUGUST

SEPTEMBER

OCTOBER

NOVEMBER

DECEMBER

7.499E-11
1.580E-04

0.007

8.647E-09
1.822E-02

0.822

1.759E-10
3.706E-04

0.017

2.095E-09
4.414E-03

0.199

3.706E-04
0.017
2.217E+00
99.983

2.107E+09

2.217E+00

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

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

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CPP FAST STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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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)							5.841E-16	7.896E-17	1.148E-22	8.00E-11
CURIES							4.200E-08	4.200E-08		
UNCERT(CURIES)							1.500E-08			
UNCERT(UC/ML)										
% OF TOTAL							0.789			
CS-137	1.101E+04									
CONCEN (UC/ML)		2.532E-14	5.302E-15	4.857E-15	2.027E-15	7.176E-14	5.007E-15	1.852E-14	2.693E-20	4.00E-10
CURIES		2.200E-06	5.000E-07	5.100E-07	1.800E-07	6.100E-06	3.600E-07	9.850E-06		
UNCERT(CURIES)		7.400E-08	3.000E-08	3.000E-08	1.700E-08	1.400E-07	2.200E-08			
UNCERT(UC/ML)										
% OF TOTAL				0.001	1.572	61.666	6.763			
H-3	4.490E+03									
CONCEN (UC/ML)			1.166E-09	4.190E-10				2.895E-10	4.210E-16	1.00E-07
CURIES			1.100E-01	4.400E-02				1.540E-01		
UNCERT(CURIES)			1.000E-02	4.000E-03						
UNCERT(UC/ML)								0.002		
% OF TOTAL			99.989	99.971						
KR-85	3.913E+03									
CONCEN (UC/ML)		1.151E-04						1.880E-05	2.734E-11	3.00E-06
CURIES		1.000E+04						1.000E+04		
UNCERT(CURIES)										
UNCERT(UC/ML)								99.998		
% OF TOTAL		100.000								
RU-106	3.726E+02									
CONCEN (UC/ML)		2.647E-14	2.863E-15		3.041E-15	7.882E-15	2.782E-15	6.975E-15	1.014E-20	3.00E-11
CURIES		2.300E-06	2.700E-07		2.700E-07	6.700E-07	2.000E-07	3.710E-06		
UNCERT(CURIES)		3.600E-07	1.200E-07		1.200E-07	2.000E-07	1.000E-07			
UNCERT(UC/ML)										
% OF TOTAL					2.358	6.773	3.757			
SB-125	1.007E+03									
CONCEN (UC/ML)		4.143E-14	1.166E-13	1.048E-13	1.239E-13	3.647E-14	6.537E-14	8.347E-14	1.214E-19	1.00E-09
CURIES		3.600E-06	1.100E-05	1.100E-05	1.100E-05	3.100E-06	4.700E-06	4.440E-05		
UNCERT(CURIES)		1.200E-07	3.200E-07	2.800E-07	2.700E-07	1.300E-07	1.500E-07			
UNCERT(UC/ML)										
% OF TOTAL			0.010	0.025	96.070	31.338	88.296			
SR-90	1.059E+04									
CONCEN (UC/ML)				1.238E-14				2.444E-15	3.554E-21	9.00E-12
CURIES				1.300E-06				1.300E-06		
UNCERT(CURIES)				1.800E-07						
UNCERT(UC/ML)										
% OF TOTAL						0.003				

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CPP FAST STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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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
TL-208											
CONCEN (UC/ML)				3.048E-16		2.588E-16	2.921E-16	1.410E-16	2.050E-22		
CURIES				3.200E-08		2.200E-08	2.100E-08	7.500E-08			
UNCERT(CURIES)				1.400E-08		8.000E-09	9.000E-09				
UNCERT(UC/ML)											
% OF TOTAL						0.222	0.395				

TOTALS
ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

1.000E+04 1.100E-01 4.401E-02 1.145E-05 9.892E-06 5.323E-06 1.000E+04
100.000 100.000 100.000 100.000 100.000 100.000 100.000

VOLUME (CU. METERS) 8.690E+07 9.430E+07 1.050E+08 8.880E+07 8.500E+07 7.190E+07 5.319E+08

GRAND TOTALS (CURIES) 1.000E+04 1.100E-01 4.401E-02 1.145E-05 9.892E-06 5.323E-06 1.000E+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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ANNUAL
AVG CONCEN/
TOT CURIES
YEARLY
RELEASE*
CG**
YEARLY
RELEASE
% OF CG

CPP MAIN STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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)		5.410E-11	7.937E-12		2.435E-11			1.453E-11	1.357E-17	6.00E-09
CURIES		6.600E-03	1.000E-03		2.800E-03			1.040E-02		
UNCERT(CURIES)		3.000E-04	5.000E-05		2.100E-04					
UNCERT(UC/ML)										
% OF TOTAL										
CO-57	2.718E+02									
CONCEN (UC/ML)						6.720E-16		1.173E-16	1.096E-22	2.00E-09
CURIES						8.400E-08		8.400E-08		
UNCERT(CURIES)						1.900E-08				
UNCERT(UC/ML)										
% OF TOTAL										
CO-60	1.924E+03									
CONCEN (UC/ML)		2.951E-15	1.111E-14	5.377E-14	7.130E-14	8.000E-15	3.770E-15	2.391E-14	2.235E-20	8.00E-11
CURIES		3.600E-07	1.400E-06	5.700E-06	8.200E-06	1.000E-06	4.600E-07	1.712E-05		
UNCERT(CURIES)		2.300E-08	6.000E-08	1.200E-07	3.000E-07	6.600E-08	3.300E-08			
UNCERT(UC/ML)										
% OF TOTAL				0.003						
CS-134	7.537E+02									
CONCEN (UC/ML)		1.475E-13	4.841E-13	2.075E-12	2.609E-12	3.840E-13	1.311E-13	9.260E-13	8.654E-19	2.00E-10
CURIES		1.800E-05	6.100E-05	2.200E-04	3.000E-04	4.800E-05	1.600E-05	6.630E-04		
UNCERT(CURIES)		2.200E-07	1.000E-06	2.700E-06	3.600E-06	7.700E-07	1.800E-07			
UNCERT(UC/ML)										
% OF TOTAL				0.109						
CS-137	1.101E+04									
CONCEN (UC/ML)		5.164E-12	1.587E-11	7.925E-11	9.565E-11	1.520E-11	5.328E-12	3.433E-11	3.208E-17	4.00E-10
CURIES		6.300E-04	2.000E-03	8.400E-03	1.100E-02	1.900E-03	6.500E-04	2.458E-02		
UNCERT(CURIES)		5.500E-06	2.500E-05	7.800E-05	9.800E-05	2.300E-05	5.100E-06			
UNCERT(UC/ML)										
% OF TOTAL				4.176		0.013	0.018			
H-3	4.490E+03									
CONCEN (UC/ML)		1.475E-07	3.992E-08	1.792E-09	4.348E-09	1.200E-07	2.951E-08	5.911E-08	5.524E-14	1.00E-07
CURIES		1.800E+01	5.030E+00	1.900E-01	5.000E-01	1.500E+01	3.600E+00	4.232E+01		
UNCERT(CURIES)		1.000E+00	4.000E-01	1.000E-02	4.200E-02	4.200E-02	3.000E-01			
UNCERT(UC/ML)										
% OF TOTAL		0.180	0.050	94.464	0.005	99.845	99.608	0.141		
I-129	5.840E+09									
CONCEN (UC/ML)		1.057E-10	2.619E-11	1.368E-11	4.652E-11	1.680E-10	1.066E-10	7.961E-11	7.440E-17	7.00E-11
CURIES		1.290E-02	3.300E-03	1.450E-03	5.350E-03	2.100E-02	1.300E-02	5.700E-02		
UNCERT(CURIES)		6.000E-04	1.000E-04	6.000E-05	3.000E-04	7.100E-04	5.000E-04			
UNCERT(UC/ML)										
% OF TOTAL				0.721		0.140	0.360			

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
KR-85	3.913E+03									
CONCEN (UC/ML)		8.197E-05	7.937E-05		8.696E-05			4.190E-05	3.916E-11	3.00E-06
CURIES		1.000E+04	1.000E+04		1.000E+04			3.000E+04		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		99.820	99.950		99.995			99.859		
RU-106	3.726E+02									
CONCEN (UC/ML)		5.164E-13	4.286E-13	1.226E-12	1.913E-12	7.040E-13	2.787E-12	1.250E-12	1.168E-18	3.00E-11
CURIES		6.300E-05	5.400E-05	1.300E-04	2.200E-04	8.800E-05	3.400E-04	8.950E-04		
UNCERT(CURIES)		1.100E-06	1.200E-06	2.500E-06	5.300E-06	1.600E-06	6.300E-06			
UNCERT(UC/ML)										
% OF TOTAL				0.065		0.001	0.009			
SB-125	1.007E+03									
CONCEN (UC/ML)		2.951E-14	1.032E-14	1.887E-14	3.043E-14	5.920E-14	2.705E-13	7.095E-14	6.631E-20	1.00E-09
CURIES		3.600E-06	1.300E-06	2.000E-06	3.500E-06	7.400E-06	3.300E-05	5.080E-05		
UNCERT(CURIES)		1.400E-07	9.700E-08	1.400E-07	2.100E-07	2.300E-07	6.000E-07			
UNCERT(UC/ML)										
% OF TOTAL				0.001			0.001			
SR-90	1.059E+04									
CONCEN (UC/ML)		1.393E-12	1.270E-12	8.679E-12	6.696E-12	1.680E-12	1.189E-12	3.317E-12	3.100E-18	9.00E-12
CURIES		1.700E-04	1.600E-04	9.200E-04	7.700E-04	2.100E-04	1.450E-04	2.375E-03		
UNCERT(CURIES)		4.400E-06	4.100E-06	3.100E-05	2.300E-05	5.700E-06	4.000E-06			
UNCERT(UC/ML)										
% OF TOTAL				0.457		0.001	0.004			
TOTAL-EU										
CONCEN (UC/ML)		2.869E-15	5.952E-15	6.321E-14	6.174E-11	8.800E-15	4.262E-15	9.929E-12	9.280E-18	
CURIES		3.500E-07	7.500E-07	6.700E-06	7.100E-03	1.100E-06	5.200E-07	7.109E-03		
UNCERT(CURIES)		4.500E-08	9.500E-08	2.200E-07	2.100E-04	2.400E-07	7.200E-08			
UNCERT(UC/ML)										
% OF TOTAL				0.003						

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NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	YEARLY RELEASE % OF CG
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		1.002E+04	1.001E+04	2.011E-01	1.000E+04	1.502E+01	3.614E+00	3.004E+04		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (CU. METERS)		1.220E+08	1.260E+08	1.060E+08	1.150E+08	1.250E+08	1.220E+08	7.160E+08		
GRAND TOTALS (CURIES)		1.002E+04	1.001E+04	2.011E-01	1.000E+04	1.502E+01	3.614E+00	3.004E+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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 CPP NMCF STACK AIRBORNE WASTE SUMMARY
 FOR JAN THROUGH JUN 1991

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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)		6.423E-16						9.363E-17	1.069E-22	9.00E-12
CURIES		5.100E-08						5.100E-08		
UNCERT(CURIES)		8.000E-09								
UNCERT(UC/ML)										
% OF TOTAL		100.000						97.701		
TOTAL-PU										
CONCEN (UC/ML)					1.319E-17			2.203E-18	2.515E-24	
CURIES					1.200E-09			1.200E-09		
UNCERT(CURIES)					4.600E-10					
UNCERT(UC/ML)										
% OF TOTAL					100.000			2.299		
TOTALS										
ALPHA CURIES										
% OF TOTAL					1.200E-09			1.200E-09		
B+G CURIES					100.000			5.100E-08		
% OF TOTAL								97.701		
VOLUME (CU. METERS)		7.940E+07	9.600E+07	8.730E+07	9.100E+07	8.100E+07	1.100E+08	5.447E+08		
GRAND TOTALS (CURIES)		5.100E-08			1.200E-09			5.220E-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 1991										PAGE 1	RPT. 225
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
								AVG CONCEN/ TOT CURIES			
CS-137	1.201E+04										
CONCEN (UC/ML)			2.788E-14			2.740E-16	6.731E-16	4.884E-15	1.038E-21	4.00E-10	
CURIES			5.800E-07			5.700E-09	1.400E-08	5.997E-07			
UNCERT(CURIES)			2.600E-07			2.800E-09	5.200E-09				
UNCERT(UC/ML)											
% OF TOTAL			100.000			100.000	100.000	100.000			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES			5.800E-07			5.700E-09	1.400E-08	5.997E-07			
% OF TOTAL			100.000			100.000	100.000	100.000			
VOLUME (CU. METERS)		2.080E+07	2.080E+07	1.880E+07	2.080E+07	2.080E+07	2.080E+07	1.228E+08			

GRAND TOTALS (CURIES)			5.800E-07			5.700E-09	1.400E-08	5.997E-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, 1993, Figures III-1 and III-3

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 CPP LIQUID WASTE TO INFILTRATION POND
 FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCN/ TOT CURIES	CG #	% OF CG
CO-60	1.924E+03									
CONCN (UC/ML)							1.719E-09	2.887E-10	5.00E-06	0.01
CURIES							2.870E-04	2.870E-04		
UNCERT(CURIES)							1.440E-05			
UNCERT(UC/ML)										
% OF TOTAL							0.052	0.019		
H-3	4.490E+03									
CONCN (UC/ML)						5.376E-06	3.299E-06	1.490E-06	2.00E-03	0.07
CURIES						9.300E-01	5.510E-01	1.481E+00		
UNCERT(CURIES)						7.300E-04	5.000E-02			
UNCERT(UC/ML)										
% OF TOTAL						99.291	99.487	98.411		
RU-106	3.726E+02									
CONCN (UC/ML)		2.185E-09	1.185E-09	3.861E-09				1.140E-09	6.00E-06	0.02
CURIES		3.780E-04	1.990E-04	5.560E-04				1.133E-03		
UNCERT(CURIES)		1.290E-04	8.460E-05	1.210E-04						
UNCERT(UC/ML)										
% OF TOTAL		22.799	6.931	11.062				0.075		
SR-89	5.052E+01									
CONCN (UC/ML)						1.676E-09		2.918E-10	2.00E-05	
CURIES						2.900E-04		2.900E-04		
UNCERT(CURIES)						1.200E-04				
UNCERT(UC/ML)										
% OF TOTAL						0.031		0.019		
SR-90	1.059E+04									
CONCN (UC/ML)								5.855E-09	1.00E-06	0.59
CURIES						4.583E-09	1.408E-08	5.780E-09		
UNCERT(CURIES)						7.700E-04	2.380E-03	1.000E-03		
UNCERT(UC/ML)						5.000E-05	1.000E-04	6.900E-05		
% OF TOTAL						26.820	33.227	48.849		
TL-208										
CONCN (UC/ML)								2.635E-10	4.427E-11	
CURIES								4.400E-05	4.400E-05	
UNCERT(CURIES)								7.640E-06		
UNCERT(UC/ML)										
% OF TOTAL								0.008	0.003	
TOTAL-CS										
CONCN (UC/ML)								1.192E-08	1.380E-08	
CURIES		5.549E-09	8.631E-09	1.681E-08	1.213E-08	2.803E-08		1.990E-03	1.372E-02	
UNCERT(CURIES)		9.600E-04	1.450E-03	2.420E-03	2.050E-03	4.850E-03		6.050E-05		
UNCERT(UC/ML)		3.980E-05	4.160E-05	6.250E-05	5.870E-05	5.870E-05				
% OF TOTAL		57.901	50.505	48.150	42.075	0.518		0.359	0.912	

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CPP-L

CPP LIQUID WASTE TO INFILTRATION POND
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL	
								AVG CONCEN/ TOT CURIES	% OF CG
TOTAL-PU									
CONCEN (UC/ML)		1.156E-10	3.095E-10	4.167E-10	3.680E-10	3.179E-10	1.737E-13	2.507E-10	
CURIES		2.000E-05	5.200E-05	6.000E-05	6.220E-05	5.500E-05	2.900E-08	2.492E-04	
UNCERT(CURIES)		3.000E-06	7.000E-06	9.000E-06	8.000E-06	7.000E-06	5.000E-06		
UNCERT(UC/ML)									
% OF TOTAL		1.206	1.811	1.194	1.277	0.006		0.017	
TOTAL-U									
CONCEN (UC/ML)		1.734E-09	2.361E-09	2.222E-09	2.249E-09	2.601E-09	3.114E-09	2.384E-09	
CURIES		3.000E-04	4.000E-04	3.200E-04	3.800E-04	4.500E-04	5.200E-04	2.370E-03	
UNCERT(CURIES)		4.000E-05	4.000E-05	3.000E-05	4.000E-05	5.000E-06	4.000E-05		
UNCERT(UC/ML)									
% OF TOTAL		18.094	13.932	6.367	7.799	0.048	0.094	0.157	
TOTALS									
ALPHA CURIES		2.000E-05	5.200E-05	6.000E-05	6.220E-05	5.500E-05	2.900E-08	2.492E-04	
% OF TOTAL		1.206	1.811	1.194	1.277	0.006		0.017	
B+G CURIES		1.638E-03	2.819E-03	4.966E-03	4.810E-03	9.366E-01	5.538E-01	1.505E+00	
% OF TOTAL		98.794	98.189	98.806	98.723	99.994	100.000	99.983	
VOLUME (LITERS)		1.730E+08	1.680E+08	1.440E+08	1.690E+08	1.730E+08	1.670E+08	9.940E+08	
GRAND TOTALS (CURIES)		1.658E-03	2.871E-03	5.026E-03	4.872E-03	9.366E-01	5.538E-01	1.505E+00	

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

Decontamination and Decommissioning 1991 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 July to December	
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Report 713—D&D Disposed Solid Waste Summary	D&D-9
Report 714—D&D Solid Waste Summary	D&D-10
Report 715—D&D Solid Waste Summary, WERF Incinerator Processed Waste	D&D-11
D&D Detail Data for Months January to June	
Annual Average Concentration and Total Curies for January to June	D&D-13
Report 713—D&D Disposed Solid Waste Summary	D&D-15

Decontamination and Decommissioning (D&D) Bar Graph of Annual Data by Month

Decontamination and Decommissioning (D+D) Monthly Details - CY-1991

**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 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AM-241 CURIES % OF TOTAL GRAMS	1.577E+05			1.530E-09 0.001 4.448E-10				1.530E-09 4.448E-10
CO-60 CURIES % OF TOTAL	1.924E+03			2.720E-05 9.078	2.720E-05 9.067			1.904E-04 9.068
CS-137 CURIES % OF TOTAL	1.101E+04			2.724E-04 90.918	2.728E-04 90.933			1.909E-03 90.931
SR-90 CURIES % OF TOTAL	1.059E+04			8.910E-09 0.003				8.910E-09
TOTALS								
ALPHA CURIES				1.530E-09				1.530E-09
% OF TOTAL				0.001				
B+G CURIES				2.996E-04	3.000E-04			2.100E-03
% OF TOTAL				100.000	100.000			100.000
TOTAL GRAMS OF AM								
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)				1.462E+01	7.260E+00			5.813E+01
WEIGHT (KILOGRAMS)				3.250E+04	1.815E+03			5.359E+04
GRAND TOTALS (CURIES)				2.996E-04	3.000E-04			2.100E-03

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U.S. DEPARTMENT OF ENERGY
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NUCLIDES	HALF LIFE (DAYS)	D+D SOLID WASTE SUMMARY			
		WASTE SENT TO WERF FOR METALLIC PROCESSING FROM JAN THROUGH DEC 1991			
		AUGUST	SEPTEMBER	OCTOBER	ANNUAL TOTAL
CS-137	1.101E+04				
CURIES			9.795E-10		9.795E-10
% OF TOTAL			100.000		100.000
TOTALS					
ALPHA CURIES					
% OF TOTAL					
B+6 CURIES			9.795E-10		9.795E-10
% 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)			9.769E+01		9.769E+01
WEIGHT (KILOGRAMS)			1.279E+04		1.279E+04
GRAND TOTALS (CURIES)			9.795E-10		9.795E-10

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NUCLIDES	HALF LIFE (DAYS)	D+D SOLID WASTE SUMMARY MERF INCINERATOR PROCESSED WASTE FROM JAN THROUGH DEC 1991					ANNUAL TOTAL
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	
CO-60	1.924E+03		2.720E-05				2.720E-05
CURIES			9.067				9.067
% OF TOTAL							
CS-137	1.101E+04		2.728E-04				2.728E-04
CURIES			90.933				90.933
% OF TOTAL							

TOTALS

ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

3.000E-04
100.000
3.000E-04
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)

5.440E+00
1.474E+03
5.440E+00
1.474E+03

GRAND TOTALS (CURIES)

3.000E-04
3.000E-04

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

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RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

FOR JAN THROUGH JUN 1991
D+D DISPOSED SOLID WASTE SUMMARY

NUCLIDES
CO-60
CURIES
% OF TOTAL
CS-137
CURIES
% OF TOTAL

HALF LIFE
(DAYS)
1.924E+03
1.101E+04

JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
ANNUAL
TOTAL

1.360E-04
1.360E-04
9.067
1.360E-04
1.360E-04
9.067
1.360E-04
1.360E-04
9.067

1.500E-03
1.500E-03
100.000
1.500E-03
1.500E-03
100.000
1.500E-03
1.500E-03
100.000

3.625E+01
3.625E+01
1.928E+04
1.928E+04
1.500E-03
1.500E-03

TOTALS
ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL
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)

1.500E-03
1.500E-03
100.000
1.500E-03
1.500E-03
100.000
1.500E-03
1.500E-03
100.000

GRAND TOTALS (CURIES)

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1.500E-03
1.500E-03
100.000
1.500E-03
1.500E-03
100.000
1.500E-03
1.500E-03
100.000

3.625E+01
3.625E+01
1.928E+04
1.928E+04
1.500E-03
1.500E-03

1.500E-03
1.500E-03
100.000
1.500E-03
1.500E-03
100.000
1.500E-03
1.500E-03
100.000

GRAND TOTALS (CURIES)

Naval Reactor Facility 1991 Detail Data

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Annual Average Concentration and Total Curies for January to December	NRF-7
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Report 305—NRF Disposed Solid Waste Summary	NRF-10
Report 308—NRF Solid Waste Summary, Waste Sent To WERF For Metallic Processing	NRF-14
Report 309—NRF Solid Waste Summary, WERF Incinerator Processed Waste	NRF-15
Report 313—NRF Solid Waste Summary, Waste Sent To WERF for Compaction	NRF-17
NRF Detail Data for Months January to June	
Annual Average Concentration and Total Curies for January to June	NRF-19
Report 301—NRF Airborne Waste Summary	NRF-21
Report 305—NRF Disposed Solid Waste Summary	NRF-22
Report 308—NRF Solid Waste Summary, Waste Sent To WERF For Metallic Processing	NRF-25
Report 309—NRF Solid Waste Summary, WERF Incinerator Processed Waste	NRF-26
Report 313—NRF Solid Waste Summary, Waste Sent To WERF For Compaction	NRF-28
NRF Facility Detail Data for Months July to December	
Annual Average Concentration and Total Curies for January to December	NRF-31
Report 320—A1W Airborne Waste Summary	NRF-33
Report 326—A1W-RWDS Airborne Waste Summary	NRF-34
Report 330—ECF Airborne Waste Summary	NRF-35
Report 332—ECF Disposed Solid Waste Summary	NRF-37
Report 310—S1W Airborne Waste Summary	NRF-41
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NRF Facility Detail Data for Months January to June	
Annual Average Concentration and Total Curies for January to June	NRF-43
Report 320—A1W Airborne Waste Summary	NRF-45
Report 326—A1W-RWDS Airborne Waste Summary	NRF-46
Report 330—ECF Airborne Waste Summary	NRF-47
Report 332—ECF Disposed Solid Waste Summary	NRF-48
Report 310—S1W Airborne Waste Summary	NRF-51
Report 340—S5G Airborne Waste Summary	NRF-52

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

Naval Reactor Facility (NRF) Monthly Details - CY-1991

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

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RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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NRF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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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

C-14 2.092E+06
CONCEN (UC/ML) 1.049E-10 1.006E-10 6.460E-11 1.971E-11 8.067E-12 1.130E-11 5.597E-11 3.143E-17 6.00E-09
CURIES 1.239E-02 1.311E-02 8.244E-03 3.210E-03 1.051E-03 1.961E-03 1.005E-01
% OF TOTAL 5.661 82.217 79.223 3.038 12.001 47.409 22.699

GROSS-BETA
CONCEN (UC/ML) 8.583E-15 4.104E-15 5.227E-15 8.434E-15 1.656E-14 7.508E-15 1.353E-14 7.596E-21
CURIES 1.013E-06 5.348E-07 6.670E-07 1.374E-06 2.159E-06 1.303E-06 2.428E-05
% OF TOTAL 0.003 0.006 0.001 0.025 0.032 0.005

H-3 4.490E+03
CONCEN (UC/ML) 2.100E-11 2.175E-11 1.693E-11 1.514E-11 5.914E-11 1.252E-11 2.124E-11 1.192E-17 1.00E-07
CURIES 2.479E-03 2.834E-03 2.161E-03 2.466E-03 7.706E-03 2.173E-03 3.812E-02
% OF TOTAL 1.133 17.777 20.766 2.334 87.970 52.549 8.612

I-131 8.040E+00
CONCEN (UC/ML) 3.829E-15 3.591E-15 4.334E-15 2.192E-15 2.954E-15 2.657E-15 3.483E-15 1.956E-21 4.00E-10
CURIES 4.520E-07 4.680E-07 5.530E-07 3.570E-07 3.850E-07 4.610E-07 6.252E-06
% OF TOTAL 0.003 0.005 0.004 0.011 0.001

KR-85 3.913E+03
CONCEN (UC/ML) 1.728E-09 6.139E-10 1.000E-01 1.694E-10 9.509E-17 3.00E-06
CURIES 2.040E-01 94.627 3.040E-01 68.682
% OF TOTAL 93.206

TOTALS
ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

VOLUME (CU. METERS) 1.181E+08 1.303E+08 1.276E+08 1.629E+08 1.303E+08 1.735E+08 1.795E+09

GRAND TOTALS (CURIES) 2.189E-01 1.594E-02 1.041E-02 1.057E-01 8.760E-03 4.135E-03 4.426E-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
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NRF DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E+03					4.330E+00 0.133		4.332E+00 0.004
C-14 CURIES % OF TOTAL	2.092E+06	1.280E-01 0.002	1.181E+00 0.013	7.584E-01 0.004	1.729E-02 0.006	9.180E-02 0.003	1.330E-01 0.003	4.794E+00 0.005
CO-57 CURIES % OF TOTAL	2.718E+02		3.800E-05	9.686E-05				8.379E-04
CO-58 CURIES % OF TOTAL	7.091E+01	2.267E+01 0.330	1.087E-02	4.479E+01 0.218	4.391E-02 0.015	1.030E+01 0.317	1.200E+01 0.256	4.146E+02 0.403
CO-60 CURIES % OF TOTAL	1.924E+03	2.598E+03 37.812	9.640E+02 10.573	1.868E+03 9.103	7.230E+00 2.449	7.102E+02 21.845	1.050E+03 22.383	2.303E+04 22.394
CR-51 CURIES % OF TOTAL	2.770E+01	7.520E-01 0.011		3.580E+00 0.017		2.710E-01 0.008	2.460E-01 0.005	4.965E+01 0.048
CS-137 CURIES % OF TOTAL	1.101E+04	1.040E-01 0.002	1.357E-02	1.225E-01 0.001	2.311E-02 0.008	4.580E+00 0.141		4.901E+00 0.005
EU-152 CURIES % OF TOTAL	4.891E+03		8.200E-05	1.894E-03				1.322E-02
EU-154 CURIES % OF TOTAL	3.103E+03		5.100E-05	6.282E-03				7.317E-03
FE-55 CURIES % OF TOTAL	9.782E+02	1.513E+03 22.023	4.614E+02 5.060	1.165E+03 5.674	1.896E+01 6.421	4.440E+02 13.659	6.530E+02 13.920	1.259E+04 12.237
FE-59 CURIES % OF TOTAL	4.451E+01							6.285E-03
H-3 CURIES % OF TOTAL	4.490E+03	6.870E-06	1.812E+01 0.199	8.980E-06	3.800E-07	4.100E-06	6.130E-06	1.812E+01 0.018

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

NRF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
HF-175 CURIES % OF TOTAL	7.000E+01		6.260E+02 6.866	1.302E+03 6.344	2.498E+01 8.461	4.860E+01 1.495	5.870E+01 1.251	2.061E+03 2.003
HF-181 CURIES % OF TOTAL	4.240E+01		6.482E+02 7.109	1.579E+03 7.693	2.983E+01 10.104	4.340E+01 1.335	4.910E+01 1.047	3.240E+03 3.150
I-129 CURIES % OF TOTAL	5.840E+09		1.638E-10		1.080E-09			1.303E-09
MN-54 CURIES % OF TOTAL	3.122E+02	2.502E+00 0.036	2.872E-02	2.601E-01 0.001	6.613E-02 0.022			5.977E+00 0.006
NB-94 CURIES % OF TOTAL	7.300E+06		1.714E-02	8.060E-03	1.220E-04	3.590E-04	4.780E-04	3.803E-02
NB-95 CURIES % OF TOTAL	3.498E+01	6.830E+01 0.994	1.590E+00 0.017	1.582E+02 0.770	3.000E-01 0.102	3.920E+00 0.121	3.600E+01 0.767	1.360E+03 1.323
NI-59 CURIES % OF TOTAL	2.774E+07	1.700E+01 0.247	2.340E+00 0.026	2.225E+01 0.108	1.000E-03	1.020E+01 0.314	1.530E+01 0.326	2.557E+02 0.249
NI-63 CURIES % OF TOTAL	3.650E+04	2.350E+03 34.200	3.311E+02 3.632	2.963E+03 14.433	1.759E+00 0.596	1.350E+03 41.528	2.020E+03 43.061	3.399E+04 33.050
PU-239 CURIES % OF TOTAL GRAMS	8.800E+06				1.900E-07			1.900E-07
PU-240 CURIES % OF TOTAL GRAMS	2.394E+06				3.060E-06			3.060E-06
RU-106 CURIES % OF TOTAL	3.726E+02				1.900E-07			1.900E-07
SB-125 CURIES % OF TOTAL	1.007E+03	5.540E+01 0.806	6.037E+01 0.662	1.552E+02 0.756	1.416E+00 0.480	3.640E+01 1.120	5.290E+01 1.128	9.654E+02 0.939

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
 RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
 NRF DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1991

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
SN-113 CURIES % OF TOTAL	1.151E+02		5.830E-01 0.006	9.424E-01 0.005	1.970E-02 0.007	4.540E-02 0.001	5.700E-02 0.001	1.972E+00 0.002
SN-119 CURIES % OF TOTAL		2.119E+02 3.084	7.290E+00 0.080	2.784E+02 1.357	1.940E-01 0.066			2.450E+03 2.382
SN-119M CURIES % OF TOTAL	2.930E+02					1.070E+02 3.291	1.500E+02 3.198	2.570E+02 0.250
SR-90 CURIES % OF TOTAL	1.059E+04	1.800E-02	1.500E-03	1.900E-02	4.000E-03 0.001			7.134E-02
TA-182 CURIES % OF TOTAL	1.145E+02		4.550E+03 49.902	7.986E+03 38.906	1.539E+02 52.140	3.510E+02 10.797	4.410E+02 9.401	1.598E+04 15.540
TC-99 CURIES % OF TOTAL	7.775E+07	3.700E-05	1.972E-06	5.084E-05	4.730E-06	2.230E-05	3.350E-05	7.590E-04
W-185 CURIES % OF TOTAL	7.480E+01		1.445E+03 15.848	2.927E+03 14.259	5.632E+01 19.077	1.120E+02 3.445	1.360E+02 2.899	4.676E+03 4.547
W-187 CURIES % OF TOTAL	9.958E-01							9.152E+02 0.890
Y-90 CURIES % OF TOTAL	2.667E+00	1.800E-02	1.500E-03	1.900E-02	4.000E-03 0.001			7.134E-02
ZR-95 CURIES % OF TOTAL	6.403E+01	3.110E+01 0.453	7.230E-01 0.008	7.179E+01 0.350	1.360E-01 0.046	1.450E+01 0.446	1.660E+01 0.354	5.706E+02 0.555

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NRF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS								
ALPHA CURIES					3.800E-07			3.800E-07
% OF TOTAL								
B+G CURIES		6.871E+03	9.118E+03	2.053E+04	2.952E+02	3.251E+03	4.691E+03	1.028E+05
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.995
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
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)		1.735E+01	3.513E+01	4.012E+01	3.089E+01	9.739E+00	9.911E+00	2.702E+02
WEIGHT (KILOGRAMS)		1.846E+04	2.990E+04	5.099E+04	1.738E+04	5.914E+03	7.797E+03	2.317E+05
GRAND TOTALS (CURIES)								
		6.871E+03	9.118E+03	2.053E+04	2.952E+02	3.251E+03	4.691E+03	1.029E+05

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		NRF SOLID WASTE SUMMARY				
		WASTE SENT TO MERF FOR METALLIC PROCESSING				
		FROM JAN THROUGH DEC 1991				
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	ANNUAL TOTAL
CO-58 CURIES % OF TOTAL	7.091E+01					3.102E-04 2.786
CO-60 CURIES % OF TOTAL	1.924E+03					6.750E-03 60.615
CR-51 CURIES % OF TOTAL	2.770E+01					1.241E-04 1.114
CS-137 CURIES % OF TOTAL	1.101E+04					1.347E-03 12.099
FE-55 CURIES % OF TOTAL	9.782E+02					7.660E-05 0.688
MN-54 CURIES % OF TOTAL	3.122E+02					2.762E-05 0.248
NI-63 CURIES % OF TOTAL	3.650E+04					2.500E-03 22.451
TOTALS						
ALPHA CURIES						
% OF TOTAL						
B+G CURIES						
% OF TOTAL						1.114E-02 100.000
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)						5.522E+01
WEIGHT (KILOGRAMS)						8.347E+03
GRAND TOTALS (CURIES)						1.114E-02

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 NRF SOLID WASTE SUMMARY
 MERF INCINERATOR PROCESSED WASTE
 FROM JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E+03							2.553E-03 0.758
C-14 CURIES % OF TOTAL	2.092E+06	8.800E-05 0.112	2.200E-05 0.092		9.100E-05 0.225	2.200E-05 0.069	1.150E-04 0.217	3.940E-04 0.117
CO-57 CURIES % OF TOTAL	2.718E+02	1.420E-04 0.181	2.800E-05 0.118		8.000E-06 0.020	5.000E-06 0.016	8.000E-06 0.015	4.730E-04 0.140
CO-58 CURIES % OF TOTAL	7.091E+01	8.570E-04 1.094	1.990E-04 0.836		6.100E-04 1.509	1.550E-04 0.488	7.650E-04 1.447	5.548E-03 1.646
CO-60 CURIES % OF TOTAL	1.924E+03	4.486E-02 57.285	1.434E-02 60.232		1.899E-02 46.973	2.030E-02 63.976	2.534E-02 47.910	1.812E-01 53.765
CR-51 CURIES % OF TOTAL	2.770E+01							1.018E-03 0.302
CS-137 CURIES % OF TOTAL	1.101E+04	2.630E-04 0.336	5.200E-05 0.218		1.400E-05 0.035	1.000E-05 0.032	1.400E-05 0.026	3.523E-03 1.046
EU-152 CURIES % OF TOTAL	4.891E+03	3.010E-04 0.384	5.900E-05 0.248		1.600E-05 0.040	1.100E-05 0.035	1.600E-05 0.030	8.890E-04 0.264
EU-154 CURIES % OF TOTAL	3.103E+03	1.900E-04 0.243	3.700E-05 0.155		1.000E-05 0.025	7.000E-06 0.022	1.000E-05 0.019	5.730E-04 0.170
FE-55 CURIES % OF TOTAL	9.782E+02	2.451E-02 31.303	6.997E-03 29.389		1.652E-02 40.851	8.598E-03 27.096	2.122E-02 40.123	1.072E-01 31.826
FE-59 CURIES % OF TOTAL	4.451E+01							7.680E-04 0.228
I-129 CURIES % OF TOTAL	5.840E+09	3.250E-10	8.100E-11		3.300E-10	8.100E-11	4.200E-10	1.442E-09
IN-54 CURIES % OF TOTAL	3.122E+02	5.300E-04 0.677	1.220E-04 0.512		3.610E-04 0.893	9.200E-05 0.290	4.530E-04 0.857	4.010E-03 1.190
NB-95 CURIES % OF TOTAL	3.498E+01	2.630E-04 0.336	5.200E-05 0.218		1.400E-05 0.035	1.000E-05 0.032	1.400E-05 0.026	1.163E-03 0.345
NI-63 CURIES % OF TOTAL	3.650E+04	5.375E-03 6.864	1.621E-03 6.809		3.571E-03 8.832	2.163E-03 6.816	4.622E-03 8.740	2.457E-02 7.292
RU-106 CURIES % OF TOTAL	3.726E+02	7.860E-04 1.004	2.510E-04 1.054		2.200E-04 0.544	3.530E-04 1.112	3.030E-04 0.573	2.522E-03 0.748

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NUCLIDES	HALF LIFE (DAYS)	NRF SOLID WASTE SUMMARY NRF INCINERATOR PROCESSED WASTE FROM JAN THROUGH DEC 1991						ANNUAL TOTAL
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
SR-90 CURIES % OF TOTAL	1.059E+04							7.200E-05 0.021
TC-99 CURIES % OF TOTAL	7.775E+07	8.800E-08	2.200E-08	9.100E-08	2.200E-08	1.150E-07	3.940E-07	
Y-90 CURIES % OF TOTAL	2.667E+00							5.400E-05 0.016
ZR-95 CURIES % OF TOTAL	6.403E+01	1.420E-04 0.181	2.800E-05 0.118	8.000E-06 0.020	5.000E-06 0.016	8.000E-06 0.015	4.200E-04 0.125	
TOTALS		7.830E-02 100.000	2.381E-02 100.000	4.043E-02 100.000	3.173E-02 100.000	5.288E-02 100.000	3.370E-01 99.999	
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)		6.924E+01	2.308E+01	2.308E+01	2.292E+01	2.308E+01	2.721E+02	
WEIGHT (KILOGRAMS)		5.809E+03	2.099E+03	2.356E+03	2.306E+03	2.409E+03	2.573E+04	
GRAND TOTALS (CURIES)		7.830E-02	2.381E-02	4.043E-02	3.173E-02	5.288E-02	3.370E-01	

IDAHO OPERATIONS OFFICE
 U.S. DEPARTMENT OF ENERGY
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NRF SOLID WASTE SUMMARY
 WASTE SENT TO MERF FOR COMPACTION
 FROM JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E+03							6.710E-03 0.120
C-14 CURIES % OF TOTAL	2.092E+06		1.165E-03 0.185			4.700E-05 0.113		2.262E-03 0.040
CO-57 CURIES % OF TOTAL	2.718E+02		3.667E-03 0.581			4.420E-04 1.060		9.914E-03 0.177
CO-58 CURIES % OF TOTAL	7.091E+01		1.503E-02 2.381			1.204E-03 2.888	1.340E-01 12.969	2.712E-01 4.846
CO-60 CURIES % OF TOTAL	1.924E+03		2.772E-01 43.907			1.915E-02 45.926	6.480E-01 62.715	2.529E+00 45.188
CR-51 CURIES % OF TOTAL	2.770E+01						2.470E-02 2.391	7.345E-02 1.312
CS-137 CURIES % OF TOTAL	1.101E+04		6.827E-03 1.081			8.240E-04 1.976		5.002E-02 0.894
EU-152 CURIES % OF TOTAL	4.891E+03		7.839E-03 1.242			9.460E-04 2.269		1.910E-02 0.341
EU-154 CURIES % OF TOTAL	3.103E+03		4.931E-03 0.781			5.950E-04 1.427		1.156E-02 0.207
FE-55 CURIES % OF TOTAL	9.782E+02		2.449E-01 38.797			1.416E-02 33.970	9.720E-02 9.407	2.031E+00 36.286
FE-59 CURIES % OF TOTAL	4.451E+01						7.810E-04 0.076	4.917E-02 0.879
I-129 CURIES % OF TOTAL	5.840E+09		4.298E-09			1.700E-10		8.527E-09
MN-54 CURIES % OF TOTAL	3.122E+02		9.522E-03 1.508			7.890E-04 1.892	2.060E-03 0.199	1.488E-01 2.658
NB-95 CURIES % OF TOTAL	3.498E+01		6.827E-03 1.081			8.240E-04 1.976	6.180E-02 5.981	1.046E-01 1.869
NI-63 CURIES % OF TOTAL	3.650E+04		4.440E-02 7.033			1.750E-03 4.197	3.670E-02 3.552	2.223E-01 3.972
RU-106 CURIES % OF TOTAL	3.726E+02		5.320E-03 0.843			5.190E-04 1.245		9.060E-03 0.162

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NUCLIDES		HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
NRF SOLID WASTE SUMMARY									
WASTE SENT TO MERF FOR COMPACTION									
FROM JAN THROUGH DEC 1991									
SR-90	CURIES	1.059E+04							1.142E-02
	% OF TOTAL								0.204
TC-99	CURIES	7.775E+07							2.631E-05
	% OF TOTAL								
Y-90	CURIES	2.667E+00							1.090E-02
	% OF TOTAL								0.195
ZR-95	CURIES	6.403E+01							3.635E-02
	% OF TOTAL								0.650
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)									
			6.313E-01	4.169E-02	1.033E+00	5.596E+00			
			100.000	100.000	100.000	99.999			
			1.450E+01	2.605E+00	3.080E+01	1.804E+02			
			1.779E+03	3.780E+02	3.650E+03	2.136E+04			
			6.313E-01	4.169E-02	1.033E+00	5.596E+00			

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

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NRF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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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
C-14											
CONCEN (UC/ML)	2.092E+06	6.365E-11	6.245E-11	2.825E-11	7.637E-11	9.585E-11	5.364E-11	6.354E-11	3.568E-17	6.00E-09	
CURIES		1.029E-02	1.089E-02	3.564E-03	1.205E-02	1.330E-02	1.033E-02	6.051E-02			
% OF TOTAL		77.589	76.948	53.334	78.267	81.519	79.980	76.760			
GROSS-BETA											
CONCEN (UC/ML)		2.806E-14	3.003E-14	1.823E-14	1.619E-14	5.736E-15	9.357E-15	1.810E-14	1.016E-20		
CURIES		4.537E-06	5.238E-06	2.300E-06	2.555E-06	8.008E-07	1.802E-06	1.723E-05			
% OF TOTAL		0.034	0.037	0.034	0.017	0.005	0.014	0.022			
H-3											
CONCEN (UC/ML)	4.490E+03	1.835E-11	1.867E-11	2.469E-11	2.119E-11	2.172E-11	1.341E-11	1.922E-11	1.079E-17	1.00E-07	
CURIES		2.967E-03	3.257E-03	3.116E-03	3.344E-03	3.032E-03	2.583E-03	1.830E-02			
% OF TOTAL		22.371	23.011	46.622	21.713	18.474	20.002	23.213			
I-131											
CONCEN (UC/ML)	8.040E+00	4.423E-15	3.257E-15	5.493E-15	3.795E-15	3.259E-15	2.835E-15	3.755E-15	2.108E-21	4.00E-10	
CURIES		7.150E-07	5.680E-07	6.930E-07	5.990E-07	4.550E-07	5.460E-07	3.576E-06			
% OF TOTAL		0.005	0.004	0.010	0.004	0.003	0.004	0.005			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		1.326E-02	1.415E-02	6.683E-03	1.540E-02	1.641E-02	1.292E-02	7.883E-02			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		1.617E+08	1.744E+08	1.262E+08	1.578E+08	1.396E+08	1.926E+08	9.522E+08			
GRAND TOTALS (CURIES)		1.326E-02	1.415E-02	6.683E-03	1.540E-02	1.641E-02	1.292E-02	7.883E-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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NRF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E-03						2.476E-03	2.476E-03
C-14 CURIES % OF TOTAL	2.092E+06	5.360E-01 0.003	5.196E-01 0.004			4.280E-01 0.004	1.001E+00 0.005	2.485E+00 0.004
CO-57 CURIES % OF TOTAL	2.718E+02						7.030E-04	7.030E-04
CO-58 CURIES % OF TOTAL	7.091E+01	1.253E+02 0.757	2.581E+01 0.208	1.550E+01 13.681		7.540E+01 0.777	8.287E+01 0.429	3.248E+02 0.559
CO-60 CURIES % OF TOTAL	1.924E+03	4.215E+03 25.464	3.717E+03 29.999	3.111E+01 27.456		2.927E+03 30.152	4.945E+03 25.575	1.594E+04 27.255
CR-51 CURIES % OF TOTAL	2.770E+01	2.130E+01 0.129	6.064E-01 0.005	7.000E-06		9.670E+00 0.100	1.323E+01 0.068	4.480E+01 0.077
CS-137 CURIES % OF TOTAL	1.101E+04			4.000E-06			5.737E-02	5.737E-02
EU-152 CURIES % OF TOTAL	4.891E+03						1.125E-02	1.125E-02
EU-154 CURIES % OF TOTAL	3.103E+03						9.840E-04	9.840E-04
FE-55 CURIES % OF TOTAL	9.782E+02	2.690E+03 16.248	1.900E+03 15.331	6.203E+01 54.750		1.473E+03 15.176	2.207E+03 11.413	8.331E+03 14.339
FE-59 CURIES % OF TOTAL	4.451E+01	3.753E-03	2.232E-03				3.000E-04	6.285E-03
H-3 CURIES % OF TOTAL	4.490E+03	2.409E-05	1.698E-05				1.303E-05	7.353E-05

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NRF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
HF-181 CURIES % OF TOTAL	4.240E+01						8.907E+02 4.607	8.907E+02 1.533
I-129 CURIES % OF TOTAL	5.840E+09						5.900E-11	5.900E-11
MN-54 CURIES % OF TOTAL	3.122E+02	1.030E-02	6.127E-03	3.100E+00 2.736			3.682E-03	3.120E+00 0.005
NB-94 CURIES % OF TOTAL	7.300E+06		3.960E-03		1.680E-03	6.230E-03		1.187E-02
NB-95 CURIES % OF TOTAL	3.498E+01	4.076E+02 2.462	2.344E+02 1.892		2.212E+02 2.279	2.289E+02 1.184		1.092E+03 1.890
NI-59 CURIES % OF TOTAL	2.774E+07	6.010E+01 0.363	4.460E+01 0.360		3.320E+01 0.342	5.075E+01 0.262		1.886E+02 0.325
NI-63 CURIES % OF TOTAL	3.650E+04	7.960E+03 48.083	5.902E+03 47.633	1.559E+00 1.376	4.394E+03 45.285	6.718E+03 34.747		2.498E+04 42.991
RU-106 CURIES % OF TOTAL	3.726E+02			2.038E-03 0.002		9.780E-04		3.016E-03
SB-125 CURIES % OF TOTAL	1.007E+03	1.950E+02 1.178	1.307E+02 1.055		1.044E+02 1.076	1.737E+02 0.898		6.038E+02 1.039
SN-113 CURIES % OF TOTAL	1.151E+02					3.250E-01 0.002		3.250E-01 0.001
SN-119 CURIES % OF TOTAL		6.952E+02 4.200	3.960E+02 3.196		3.664E+02 3.774	4.949E+02 2.560		1.953E+03 3.361
SR-90 CURIES % OF TOTAL	1.059E+04					2.884E-02		2.884E-02

NRF DISPOSED SOLID WASTE SUMMARY FOR JAN THROUGH JUN 1991									
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL	
TA-182 CURIES % OF TOTAL	1.145E+02						2.501E+03 12.938	2.501E+03 4.306	
TC-99 CURIES % OF TOTAL	7.775E+07	1.295E-04	9.250E-05			7.030E-05	3.163E-04	6.086E-04	
M-187 CURIES % OF TOTAL	9.958E-01						9.152E+02 4.734	9.152E+02 1.575	
Y-90 CURIES % OF TOTAL	2.667E+00						2.884E-02	2.884E-02	
ZR-95 CURIES % OF TOTAL	6.403E+01	1.844E+02 1.114	3.932E+01 0.317			1.005E+02 1.036	1.115E+02 0.577	4.358E+02 0.750	
TOTALS									
ALPHA CURIES									
% OF TOTAL									
B+6 CURIES		1.655E+04	1.239E+04	1.133E+02		9.707E+03	1.933E+04	5.810E+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)		2.151E+01	1.885E+01	2.543E+01		5.322E+00	5.590E+01	1.270E+02	
WEIGHT (KILOGRAMS)		2.113E+04	1.312E+04	1.271E+04		8.784E+03	4.549E+04	1.012E+05	
GRAND TOTALS (CURIES)		1.655E+04	1.239E+04	1.133E+02		9.707E+03	1.933E+04	5.810E+04	

SCHED. NO. P61PM009-M

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

RUN DATE: 05/21/92

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NRF SOLID WASTE SUMMARY
WASTE SENT TO WERF FOR METALLIC PROCESSING
FROM JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
----------	---------------------	---------	----------	-------	-------	-----	------	-----------------

CO-58 CURIES % OF TOTAL	7.091E+01		3.102E-04 7.210					3.102E-04 2.786
CO-60 CURIES % OF TOTAL	1.924E+03	1.540E-03 95.256	2.570E-03 59.731				2.640E-03 50.608	6.750E-03 60.615
CR-51 CURIES % OF TOTAL	2.770E+01		1.241E-04 2.884					1.241E-04 1.114
CS-137 CURIES % OF TOTAL	1.101E+04	7.300E-05 4.515	1.274E-03 29.619					1.347E-03 12.099
FE-55 CURIES % OF TOTAL	9.782E+02						7.660E-05 1.468	7.660E-05 0.688
MN-54 CURIES % OF TOTAL	3.122E+02	3.700E-06 0.229	2.392E-05 0.556					2.762E-05 0.248
NI-63 CURIES % OF TOTAL	3.650E+04						2.500E-03 47.924	2.500E-03 22.451

TOTALS
ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

1.617E-03 100.000	4.302E-03 100.000	5.217E-03 100.000	1.114E-02 100.000
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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)

2.124E+00 2.415E+03	4.024E+01 4.435E+03	1.286E+01 1.497E+03	5.522E+01 8.347E+03
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GRAND TOTALS (CURIES)

1.617E-03	4.302E-03	5.217E-03	1.114E-02
-----------	-----------	-----------	-----------

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

RUN DATE: 05/21/92

 PAGE 1 RPT. 309
 NRF-S

NUCLIDES	HALF LIFE (DAYS)	NRF SOLID WASTE SUMMARY					ANNUAL TOTAL	
		WERF		NRF INCINERATOR PROCESSED WASTE				
		JANUARY	FEBRUARY	MARCH	APRIL	MAY		JUNE
BA-137M CURIES % OF TOTAL	1.772E-03	2.553E-03 4.883						2.553E-03 2.325
C-14 CURIES % OF TOTAL	2.092E+06			3.300E-05 0.102	2.300E-05 0.091			5.600E-05 0.051
CO-57 CURIES % OF TOTAL	2.718E+02	1.750E-04 0.335		1.030E-04 0.319	4.000E-06 0.016			2.820E-04 0.257
CO-58 CURIES % OF TOTAL	7.091E+01	2.381E-03 4.554		4.240E-04 1.314	1.570E-04 0.622			2.962E-03 2.698
CO-60 CURIES % OF TOTAL	1.924E+03	2.352E-02 44.988		1.823E-02 56.496	1.559E-02 61.745			5.734E-02 52.223
CR-51 CURIES % OF TOTAL	2.770E+01	1.018E-03 1.947						1.018E-03 0.927
CS-137 CURIES % OF TOTAL	1.101E+04	2.971E-03 5.683		1.920E-04 0.595	7.000E-06 0.028			3.170E-03 2.887
EU-152 CURIES % OF TOTAL	4.891E+03	2.580E-04 0.493		2.200E-04 0.682	8.000E-06 0.032			4.860E-04 0.443
EU-154 CURIES % OF TOTAL	3.103E+03	1.750E-04 0.335		1.390E-04 0.431	5.000E-06 0.020			3.190E-04 0.291
FE-55 CURIES % OF TOTAL	9.782E+02	1.212E-02 23.190		9.978E-03 30.916	7.300E-03 28.912			2.940E-02 26.777
FE-59 CURIES % OF TOTAL	4.451E+01	7.680E-04 1.469						7.680E-04 0.699
I-129 CURIES % OF TOTAL	5.840E+09			1.210E-10 8.400E-11				2.050E-10
MN-54 CURIES % OF TOTAL	3.122E+02	2.090E-03 3.998		2.690E-04 0.833	9.300E-05 0.368			2.452E-03 2.233
NB-95 CURIES % OF TOTAL	3.498E+01	6.110E-04 1.169		1.920E-04 0.595	7.000E-06 0.028			8.100E-04 0.738
NI-63 CURIES % OF TOTAL	3.650E+04	3.389E-03 6.482		2.041E-03 6.324	1.789E-03 7.085			7.219E-03 6.574
RU-106 CURIES % OF TOTAL	3.726E+02			3.470E-04 1.075	2.620E-04 1.038			6.090E-04 0.555

SCHED. NO. P61PH009-N

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

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NUCLIDES	HALF LIFE (DAYS)	NRF SOLID WASTE SUMMARY					ANNUAL TOTAL
		WRF INCINERATOR PROCESSED WASTE FROM JAN THROUGH JUN 1991	JANUARY	FEBRUARY	MARCH	APRIL	
SR-90	1.059E+04		7.200E-05				7.200E-05
CURIES			0.138				0.066
% OF TOTAL							
TC-99	7.775E+07				3.300E-08	2.300E-08	5.600E-08
CURIES							
% OF TOTAL							
Y-90	2.667E+00		5.400E-05				5.400E-05
CURIES			0.103				0.049
% OF TOTAL							
ZR-95	6.403E+01		1.220E-04		1.030E-04	4.000E-06	2.290E-04
CURIES			0.233		0.319	0.016	0.209
% OF TOTAL							
TOTALS							
ALPHA CURIES							
% OF TOTAL							
B+G CURIES			5.228E-02		3.227E-02	2.525E-02	1.098E-01
% OF TOTAL			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)			4.143E+01		4.616E+01	2.308E+01	1.107E+02
WEIGHT (KILOGRAMS)			4.387E+03		4.312E+03	2.054E+03	1.075E+04
GRAND TOTALS (CURIES)			5.228E-02		3.227E-02	2.525E-02	1.098E-01

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

RUN DATE: 05/21/92

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 NRF-S

 NRF SOLID WASTE SUMMARY
 WASTE SENT TO WERF FOR COMPACTION
 FROM JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
BA-137M CURIES	1.772E+03	6.710E-03						6.710E-03
% OF TOTAL		0.579						0.172
C-14 CURIES	2.092E+06				1.050E-03			1.050E-03
% OF TOTAL					0.061			0.027
CO-57 CURIES	2.718E+02	5.148E-03			6.570E-04			5.805E-03
% OF TOTAL		0.444			0.038			0.149
CO-58 CURIES	7.091E+01	5.924E-02	3.813E-02	1.503E-02	8.538E-03			1.209E-01
% OF TOTAL		5.112	5.336	5.299	0.493			3.109
CO-60 CURIES	1.924E+03	5.844E-01	3.666E-01	1.461E-01	4.874E-01			1.585E+00
% OF TOTAL		50.423	51.308	51.509	28.128			40.733
CR-51 CURIES	2.770E+01	2.575E-02	1.650E-02	6.503E-03				4.875E-02
% OF TOTAL		2.222	2.309	2.293				1.253
CS-137 CURIES	1.101E+04	1.583E-02			2.654E-02			4.237E-02
% OF TOTAL		1.366			1.532			1.089
EU-152 CURIES	4.891E+03	7.590E-03			2.726E-03			1.032E-02
% OF TOTAL		0.655			0.157			0.265
EU-154 CURIES	3.103E+03	5.150E-03			8.830E-04			6.033E-03
% OF TOTAL		0.444			0.051			0.155
FE-55 CURIES	9.782E+02	3.110E-01	2.090E-01	8.275E-02	1.072E+00			1.674E+00
% OF TOTAL		26.830	29.246	29.174	61.845			43.042
FE-59 CURIES	4.451E+01	2.437E-02	1.723E-02	6.790E-03				4.839E-02
% OF TOTAL		2.103	2.412	2.394				1.244
I-129 CURIES	5.840E+09				4.059E-09			4.059E-09
% OF TOTAL								
MN-54 CURIES	3.122E+02	6.531E-02	4.730E-02	1.864E-02	5.154E-03			1.364E-01
% OF TOTAL		5.636	6.619	6.570	0.297			3.506
NB-95 CURIES	3.498E+01	1.911E-02	1.063E-02	4.192E-03	1.223E-03			3.516E-02
% OF TOTAL		1.649	1.488	1.478	0.071			0.904
NI-63 CURIES	3.650E+04	2.502E-02	9.166E-03	3.641E-03	1.016E-01			1.394E-01
% OF TOTAL		2.159	1.283	1.284	5.863			3.584
RU-106 CURIES	3.726E+02				3.221E-03			3.221E-03
% OF TOTAL					0.186			0.083

NRF SOLID WASTE SUMMARY
 WASTE SENT TO MERF FOR COMPACTION
 FROM JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
SR-90 CURIES	1.059E+04	6.640E-04			1.076E-02			1.142E-02
% OF TOTAL		0.057			0.621			0.294
TC-99 CURIES	7.775E+07				2.511E-05			2.511E-05
% OF TOTAL					0.001			0.001
Y-90 CURIES	2.667E+00	1.400E-04			1.076E-02			1.090E-02
% OF TOTAL		0.012			0.621			0.280
ZR-95 CURIES	6.403E+01	3.581E-03		1.000E-06	6.570E-04			4.239E-03
% OF TOTAL		0.309			0.038			0.109
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES		1.159E+00	7.146E-01	2.836E-01	1.733E+00			3.890E+00
% 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)		4.184E+01	3.080E+01	2.899E+01	3.083E+01			1.325E+02
WEIGHT (KILOGRAMS)		5.748E+03	3.216E+03	2.729E+03	3.862E+03			1.555E+04
GRAND TOTALS (CURIES)		1.159E+00	7.146E-01	2.836E-01	1.733E+00			3.890E+00

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

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)		4.387E-11	1.794E-11	7.165E-11	5.732E-11	2.344E-11	4.375E-11	4.584E-11	2.574E-17	6.00E-09
CURIES		1.790E-03	8.038E-04	3.210E-03	3.210E-03	1.050E-03	1.960E-03	2.324E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		90.163	73.262	95.750	95.750	79.403	84.910	86.136		
GROSS-BETA										
CONCEN (UC/ML)		7.157E-15	8.147E-15	1.071E-14	8.750E-15	8.237E-15	7.500E-15	8.351E-15	4.689E-21	
CURIES		2.920E-07	3.650E-07	4.800E-07	4.900E-07	3.690E-07	3.360E-07	4.233E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		0.015	0.033	0.014	0.015	0.028	0.015	0.016		
H-3	4.490E+03									
CONCEN (UC/ML)		4.779E-12	6.540E-12	3.170E-12	2.536E-12	6.071E-12	7.768E-12	7.370E-12	4.138E-18	1.00E-07
CURIES		1.950E-04	2.930E-04	1.420E-04	1.420E-04	2.720E-04	3.480E-04	3.736E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		9.822	26.705	4.236	4.236	20.569	15.076	13.848		
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		1.985E-03	1.097E-03	3.352E-03	3.352E-03	1.322E-03	2.308E-03	2.698E-02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (CU. METERS)		4.080E+07	4.480E+07	4.480E+07	5.600E+07	4.480E+07	4.480E+07	5.069E+08		
GRAND TOTALS (CURIES)		1.985E-03	1.097E-03	3.352E-03	3.352E-03	1.322E-03	2.308E-03	2.698E-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: 05/20/92

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NRF/MDS-A
YEARLY
RELEASE
% OF CG

AIW-RWDS AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
GROSS-BETA											
CONCN (UC/ML)		9.965E-15	9.396E-15	1.050E-14	1.118E-14	6.396E-15	8.958E-16	5.698E-15	3.199E-21		
CURIES		5.630E-08	4.510E-08	5.040E-08	6.710E-08	3.070E-08	4.300E-08	1.124E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.355	0.164	0.164	0.032	0.099	0.153	0.203			
H-3	4.490E+03										
CONCN (UC/ML)		2.796E-12	5.708E-12	6.396E-12	3.450E-11	6.438E-12	5.854E-13	2.799E-12	1.572E-18	1.00E-07	
CURIES		1.580E-05	2.740E-05	3.070E-05	2.070E-04	3.090E-05	2.810E-05	5.520E-04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		99.645	99.836	99.836	99.968	99.901	99.847	99.797			

TOTALS

ALPHA CURIES											
% OF TOTAL											
B+G CURIES		1.586E-05	2.745E-05	3.075E-05	2.071E-04	3.093E-05	2.814E-05	5.531E-04			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		5.650E+06	4.800E+06	4.800E+06	6.000E+06	4.800E+06	4.800E+07	1.972E+08			
GRAND TOTALS (CURIES)		1.586E-05	2.745E-05	3.075E-05	2.071E-04	3.093E-05	2.814E-05	5.531E-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

SCHED. NO. P61PM009-D

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

RUN DATE: 05/20/92

ECF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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NRF/ECF-A

YEARLY
RELEASE
% OF CG

HALF LIFE
(DAYS)

YEARLY
RELEASE*

ANNUAL
AVG CONCEN/
TOT CURIES

DECEMBER

NOVEMBER

OCTOBER

SEPTEMBER

AUGUST

JULY

NUCLIDES

TOTALS
ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

2.060E-01 2.331E-03 1.601E-03 1.017E-01 6.533E-03 1.593E-03 3.346E-01
100.000 100.000 100.000 100.000 100.000 100.000 100.000

VOLUME (CU. METERS) 4.290E+07 5.630E+07 5.360E+07 7.040E+07 5.630E+07 5.630E+07 7.119E+08

GRAND TOTALS (CURIES) 2.060E-01 2.331E-03 1.601E-03 1.017E-01 6.533E-03 1.593E-03 3.346E-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

ECF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
BA-137M CURIES % OF TOTAL	1.772E+03					4.330E+00 0.133		4.330E+00 0.004
C-14 CURIES % OF TOTAL	2.092E+06	1.281E-01 0.002	1.182E+00 0.013	7.584E-01 0.004	1.738E-02 0.006	9.187E-02 0.003	1.331E-01 0.003	4.796E+00 0.005
CO-57 CURIES % OF TOTAL	2.718E+02	1.420E-04	3.733E-03	9.686E-05	8.000E-06	4.470E-04	8.000E-06	1.122E-02
CO-58 CURIES % OF TOTAL	7.091E+01	2.267E+01 0.330	2.610E-02	4.479E+01 0.218	4.452E-02 0.015	1.030E+01 0.317	1.200E+01 0.256	4.147E+02 0.403
CO-60 CURIES % OF TOTAL	1.924E+03	2.598E+03 37.812	9.643E+02 10.575	1.868E+03 9.103	7.249E+00 2.455	7.102E+02 21.846	1.050E+03 22.384	2.303E+04 22.395
CR-51 CURIES % OF TOTAL	2.770E+01	7.520E-01 0.011		3.580E+00 0.017		2.710E-01 0.008	2.460E-01 0.005	4.965E+01 0.048
CS-137 CURIES % OF TOTAL	1.101E+04	1.043E-01 0.002	2.045E-02	1.225E-01 0.001	2.312E-02 0.008	4.581E+00 0.141	1.400E-05	4.944E+00 0.005
EU-152 CURIES % OF TOTAL	4.891E+03	3.010E-04	7.980E-03	1.894E-03	1.600E-05	9.570E-04	1.600E-05	3.321E-02
EU-154 CURIES % OF TOTAL	3.103E+03	1.900E-04	5.019E-03	6.282E-03	1.000E-05	6.020E-04	1.000E-05	1.945E-02
FE-55 CURIES % OF TOTAL	9.782E+02	1.513E+03 22.023	4.616E+02 5.062	1.165E+03 5.674	1.897E+01 6.425	4.441E+02 13.660	6.530E+02 13.921	1.259E+04 12.238
FE-59 CURIES % OF TOTAL	4.451E+01							2.346E-03
H-3 CURIES % OF TOTAL	4.490E+03	6.870E-06	1.812E+01 0.199	8.980E-06	3.800E-07	4.106E-06	6.130E-06	1.812E+01 0.018

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

ECF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
HF-175 CURIES % OF TOTAL	7.000E+01		6.260E+02 6.865	1.302E+03 6.344	2.498E+01 8.460	4.860E+01 1.495	5.870E+01 1.251	2.061E+03 2.003
HF-181 CURIES % OF TOTAL	4.240E+01		6.482E+02 7.109	1.579E+03 7.693	2.983E+01 10.103	4.340E+01 1.335	4.910E+01 1.047	3.240E+03 3.150
I-129 CURIES % OF TOTAL	5.840E+09	3.250E-10	4.543E-09		1.410E-09	2.510E-10	4.200E-10	1.127E-08
NN-54 CURIES % OF TOTAL	3.122E+02	2.503E+00 0.036	3.837E-02	2.601E-01 0.001	6.649E-02 0.023	8.810E-04	4.530E-04	5.980E+00 0.006
NB-94 CURIES % OF TOTAL	7.300E+06		1.714E-02	8.060E-03	1.220E-04	3.590E-04	4.780E-04	3.803E-02
NB-95 CURIES % OF TOTAL	3.498E+01	6.830E+01 0.994	1.597E+00 0.018	1.582E+02 0.770	3.000E-01 0.102	3.921E+00 0.121	3.600E+01 0.767	1.360E+03 1.323
NI-59 CURIES % OF TOTAL	2.774E+07	1.700E+01 0.247	2.340E+00 0.026	2.225E+01 0.108	1.000E-03	1.020E+01 0.314	1.530E+01 0.326	2.557E+02 0.249
NI-63 CURIES % OF TOTAL	3.650E+04	2.350E+03 34.200	3.312E+02 3.632	2.963E+03 14.433	1.762E+00 0.597	1.350E+03 41.527	2.020E+03 43.061	3.399E+04 33.050
PU-239 CURIES % OF TOTAL GRAMS	8.800E+06				1.900E-07			1.900E-07
PU-240 CURIES % OF TOTAL GRAMS	2.394E+06				3.060E-06			3.060E-06
RU-106 CURIES % OF TOTAL	3.726E+02				1.900E-07			1.900E-07
RU-106 CURIES % OF TOTAL	3.726E+02				8.370E-07			8.370E-07
RU-106 CURIES % OF TOTAL	3.726E+02	7.860E-04	5.637E-03	1.552E-04	1.453E-03	4.072E-03	3.260E-04	1.928E-02
SB-125 CURIES % OF TOTAL	1.007E+03	5.540E+01 0.806	6.037E+01 0.662	1.552E+02 0.756	1.416E+00 0.480	3.640E+01 1.120	5.290E+01 1.128	9.554E+02 0.939

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IDAHO OPERATIONS OFFICE
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ECF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
SN-113 CURIES % OF TOTAL	1.151E+02		5.830E-01 0.006	9.424E-01 0.005	1.970E-02 0.007	4.540E-02 0.001	5.700E-02 0.001	1.972E+00 0.002
SN-119 CURIES % OF TOTAL	2.119E+02 3.084	7.290E+00 0.080	2.784E+02 1.357	1.940E-01 0.066				2.450E+03 2.382
SN-119M CURIES % OF TOTAL	2.930E+02					1.070E+02 3.291	1.500E+02 3.198	2.570E+02 0.250
SR-90 CURIES % OF TOTAL	1.059E+04	1.800E-02	1.500E-03	1.900E-02	4.000E-03 0.001			8.016E-02
TA-182 CURIES % OF TOTAL	1.145E+02		4.550E+03 49.898	7.986E+03 38.906	1.539E+02 52.133	3.510E+02 10.797	4.410E+02 9.401	1.598E+04 15.540
TC-99 CURIES % OF TOTAL	7.775E+07	3.709E-05	3.149E-06	5.084E-05	4.821E-06	2.237E-05	3.361E-05	7.857E-04
W-185 CURIES % OF TOTAL	7.480E+01		1.445E+03 15.847	2.927E+03 14.259	5.632E+01 19.074	1.120E+02 3.445	1.360E+02 2.899	4.676E+03 4.546
W-187 CURIES % OF TOTAL	9.958E-01							9.152E+02 0.890
Y-90 CURIES % OF TOTAL	2.667E+00	1.800E-02	1.500E-03	1.900E-02	4.000E-03 0.001			7.962E-02
ZR-95 CURIES % OF TOTAL	6.403E+01	3.110E+01 0.453	7.267E-01 0.008	7.179E+01 0.350	1.360E-01 0.046	1.450E+01 0.446	1.660E+01 0.354	5.706E+02 0.555

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ECF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS					3.800E-07			3.800E-07
ALPHA CURIES								
% OF TOTAL								
B+6 CURIES		6.871E+03	9.119E+03	2.053E+04	2.953E+02	3.251E+03	4.691E+03	1.028E+05
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.995
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU					3.897E-06			3.897E-06
TOTAL GRAMS OF PU-239+241					3.060E-06			3.060E-06
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)		8.659E+01	7.271E+01	4.012E+01	5.397E+01	3.526E+01	3.299E+01	6.065E+02
WEIGHT (KILOGRAMS)		2.427E+04	3.377E+04	5.099E+04	1.973E+04	8.598E+03	1.021E+04	2.458E+05
GRAND TOTALS (CURIES)		6.871E+03	9.119E+03	2.053E+04	2.953E+02	3.251E+03	4.691E+03	1.029E+05

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

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SIM AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991											PAGE 1 RPT. 310 NRF/SIM-A
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG	
GROSS-BETA											
CONCEN (UC/ML)		3.300E-15	2.069E-15	2.782E-15	2.648E-15	6.968E-14		4.052E-14	2.196E-20		
CURIES		3.270E-08	1.740E-08	2.340E-08	2.780E-08	5.860E-07		6.976E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		0.114	0.078	0.101	0.115	2.833		2.465			
H-3											
CONCEN (UC/ML)	4.490E+03	2.896E-12	2.652E-12	2.747E-12	2.305E-12	2.390E-12	2.259E-12	1.603E-12	8.690E-19	1.00E-07	
CURIES		2.870E-05	2.230E-05	2.310E-05	2.420E-05	2.010E-05	1.900E-05	2.760E-04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		99.886	99.922	99.899	99.885	97.167	100.000	97.535			
TOTALS											
ALPHA CURIES											
% OF TOTAL											
B+G CURIES		2.873E-05	2.232E-05	2.312E-05	2.423E-05	2.069E-05	1.900E-05	2.830E-04			
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000			
VOLUME (CU. METERS)		9.910E+06	8.410E+06	8.410E+06	1.050E+07	8.410E+06	8.410E+06	1.722E+08			
GRAND TOTALS (CURIES)											
		2.873E-05	2.232E-05	2.312E-05	2.423E-05	2.069E-05	1.900E-05	2.830E-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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U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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SSG AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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) 5.638E-10 7.687E-10 3.146E-10 3.734E-10 9.232E-17 6.00E-09
CURIES 1.060E-02 1.230E-02 5.033E-03 7.723E-02
UNCERT(CURIES)
UNCERT(UC/ML) 97.489 98.700 93.237
% OF TOTAL 96.274

GROSS-BETA
CONCEN (UC/ML) 1.505E-15 2.119E-17 3.350E-15 1.412E-15 1.731E-15 3.209E-15 7.933E-22
CURIES 2.830E-08 3.390E-10 5.360E-08 6.900E-08 2.260E-08 2.770E-08 6.636E-07
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL 0.001 0.020 0.003 0.015 0.001

H-3 4.490E+03
CONCEN (UC/ML) 1.452E-11 1.013E-11 2.281E-11 1.725E-11 5.331E-11 1.169E-11 1.445E-11 3.572E-18 1.00E-07
CURIES 2.730E-04 1.620E-04 3.650E-04 3.450E-04 8.530E-04 1.870E-04 2.988E-03
UNCERT(CURIES)
UNCERT(UC/ML) 2.511 1.300 6.762 99.980 99.997 99.985 3.725
% OF TOTAL

TOTALS
ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL
VOLUME (CU. METERS) 1.880E+07 1.600E+07 1.600E+07 2.000E+07 1.600E+07 1.600E+07 2.068E+08
GRAND TOTALS (CURIES) 1.087E-02 1.246E-02 5.398E-03 3.451E-04 8.530E-04 1.870E-04 8.021E-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

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

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
AIM AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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NRF/ALM-A

YEARLY
RELEASE
% OF CG

NUCLIDES HALF LIFE
(DAYS)

JANUARY FEBRUARY MARCH APRIL MAY JUNE
ANNUAL
AVG CONCEN/
TOT CURIES

C-14 2.092E+06

CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

1.880E-11 6.626E-11 8.326E-11 9.286E-11 4.857E-11 2.727E-17 6.00E-09
6.149E-04 2.710E-03 3.730E-03 4.160E-03 1.121E-02

82.701

GROSS-BETA

CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

1.978E-14 1.394E-14 4.343E-15 4.474E-15 4.442E-15 8.233E-15 4.623E-21
7.320E-07 4.280E-07 1.420E-07 1.830E-07 1.990E-07 2.170E-07 1.901E-06

0.014

H-3 4.490E+03

CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

6.378E-12 2.489E-11 6.606E-12 1.533E-11 7.388E-12 3.795E-12 1.015E-11 5.700E-18 1.00E-07
2.360E-04 7.640E-04 2.160E-04 6.270E-04 3.310E-04 1.700E-04 2.344E-03

17.285

TOTALS

ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

2.367E-04 7.644E-04 8.310E-04 3.337E-03 4.061E-03 4.330E-03 1.356E-02
100.000 100.000 100.000 100.000 100.000 100.000 100.000

VOLUME (CU. METERS) 3.700E+07 3.070E+07 3.270E+07 4.090E+07 4.480E+07 4.480E+07 2.309E+08

GRAND TOTALS (CURIES)

2.367E-04 7.644E-04 8.310E-04 3.337E-03 4.061E-03 4.330E-03 1.356E-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
AIM-RWMS AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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PAGE	1 RPT. 326	YEARLY	RELEASE	% OF CG
NRF/MDS-A				
LY	ASE* CG**			

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	TOT CURIES	AVG CONCEN/ YEARLY	RELEASE* YEARLY	CG** % OF CG
GROSS-BETA											
CONCEN (UC/ML)		2.723E-14	1.553E-15	1.288E-13	1.097E-14	8.354E-15	8.521E-16	6.748E-15	3.789E-21		
CURIES		1.680E-07	8.760E-08	4.470E-07	4.750E-08	4.010E-08	4.090E-08	8.311E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.638	0.345	2.839	0.031	2.554	0.246	0.390			
H-3											
CONCEN (UC/ML)	4.490E+03	5.883E-14	4.484E-13	4.409E-12	3.533E-11	3.188E-13	3.458E-13	1.722E-12	9.668E-19	1.00E-07	
CURIES		3.630E-07	2.530E-05	1.530E-05	1.530E-04	1.530E-06	1.660E-05	2.121E-04			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		68.362	99.655	97.161	99.969	97.446	99.754	99.610			

TOTALS									
ALPHA CURIES									
% OF TOTAL									
B+G CURIES									
% OF TOTAL									
VOLUME (CU. METERS)									

5.310E-07 2.539E-05 1.575E-05 1.530E-04 1.570E-06 1.664E-05 2.129E-04									
100.000 100.000 100.000 100.000 100.000 100.000 100.000									
6.170E+06 5.640E+07 3.470E+06 4.330E+06 4.800E+06 4.800E+07 1.232E+08									

5.310E-07 2.539E-05 1.575E-05 1.530E-04 1.570E-06 1.664E-05 2.129E-04									
GRAND TOTALS (CURIES)									

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NRF/ECF-A

ECF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE* CG**

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
C-14	2.092E+06									
CONCEN (UC/ML)		4.715E-15	1.064E-14	6.707E-15	1.740E-15	7.268E-15	5.176E-15	5.776E-15	2.872E-21	6.00E-09
CURIES		3.414E-07	5.780E-07	3.776E-07	1.225E-07	4.092E-07	3.437E-07	2.172E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		0.014	0.024	0.014	0.005	0.015	0.016	0.015		
GROSS-BETA										
CONCEN (UC/ML)		3.577E-14	3.168E-14	1.414E-14	1.790E-14	8.579E-15	1.357E-14	2.061E-14	1.025E-20	
CURIES		2.590E-06	1.720E-06	7.960E-07	1.260E-06	4.830E-07	9.010E-07	7.750E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		0.104	0.073	0.030	0.051	0.018	0.041	0.052		
H-3	4.490E+03									
CONCEN (UC/ML)		3.446E-11	4.345E-11	4.760E-11	3.480E-11	4.689E-11	3.279E-11	3.936E-11	1.957E-17	1.00E-07
CURIES		2.495E-03	2.360E-03	2.680E-03	2.450E-03	2.640E-03	2.177E-03	1.480E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		99.854	99.879	99.930	99.919	99.949	99.918	99.909		
I-131	8.040E+00									
CONCEN (UC/ML)		9.876E-15	1.046E-14	1.231E-14	8.509E-15	8.082E-15	8.223E-15	9.508E-15	4.728E-21	4.00E-10
CURIES		7.150E-07	5.680E-07	6.930E-07	5.990E-07	4.550E-07	5.460E-07	3.576E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		0.029	0.024	0.026	0.024	0.017	0.025	0.024		
TOTALS										
ALPHA CURIES										
% OF TOTAL		2.499E-03	2.362E-03	2.682E-03	2.452E-03	2.641E-03	2.179E-03	1.482E-02		
B+G CURIES		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
% OF TOTAL										
VOLUME (CU. METERS)		7.240E+07	5.430E+07	5.630E+07	7.040E+07	5.630E+07	6.640E+07	3.761E+08		
GRAND TOTALS (CURIES)		2.499E-03	2.362E-03	2.682E-03	2.452E-03	2.641E-03	2.179E-03	1.482E-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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ECF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
C-14 CURIES % OF TOTAL	2.092E+06	5.360E-01 0.003	5.196E-01 0.004	3.300E-05	1.073E-03 0.061	4.280E-01 0.004	1.001E+00 0.005	2.486E+00 0.004
CO-57 CURIES % OF TOTAL	2.718E+02	5.323E-03		1.030E-04	6.610E-04 0.038		7.030E-04	6.790E-03
CO-58 CURIES % OF TOTAL	7.091E+01	1.253E+02 0.757	2.580E+01 0.208	1.550E+01 13.677	8.695E-03 0.495	7.540E+01 0.777	8.287E+01 0.429	3.248E+02 0.559
CO-60 CURIES % OF TOTAL	1.924E+03	4.215E+03 25.464	3.717E+03 29.999	3.113E+01 27.464	5.030E-01 28.611	2.927E+03 30.152	4.945E+03 25.575	1.584E+04 27.255
CR-51 CURIES % OF TOTAL	2.770E+01	2.130E+01 0.129	6.042E-01 0.005	7.000E-06		9.670E+00 0.100	1.323E+01 0.068	4.480E+01 0.077
CS-137 CURIES % OF TOTAL	1.101E+04	9.616E-03	1.274E-03	1.960E-04	2.655E-02 1.510		5.489E-02	9.252E-02
EU-152 CURIES % OF TOTAL	4.891E+03	7.848E-03		2.200E-04	2.734E-03 0.156		1.125E-02	2.205E-02
EU-154 CURIES % OF TOTAL	3.103E+03	5.325E-03		1.390E-04	8.880E-04 0.051		9.840E-04	7.336E-03
FE-55 CURIES % OF TOTAL	9.782E+02	2.690E+03 16.248	1.900E+03 15.331	6.204E+01 54.743	1.079E+00 61.373	1.473E+03 15.176	2.207E+03 11.413	8.332E+03 14.341
FE-59 CURIES % OF TOTAL	4.451E+01	2.346E-03						2.346E-03
H-3 CURIES % OF TOTAL	4.490E+03	2.409E-05	1.698E-05			1.303E-05	1.942E-05	7.353E-05
HF-181 CURIES % OF TOTAL	4.240E+01						8.907E+02 4.607	8.907E+02 1.533

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

ECF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
I-129 CURIES % OF TOTAL	5.840E+09			1.210E-10	4.143E-09		5.900E-11	4.323E-09
MN-54 CURIES % OF TOTAL	3.122E+02	4.710E-03	2.392E-05	3.100E+00 2.736	5.247E-03 0.298		1.071E-03	3.111E+00 0.005
NB-94 CURIES % OF TOTAL	7.300E+06		3.960E-03			1.680E-03	6.230E-03	1.187E-02
NB-95 CURIES % OF TOTAL	3.498E+01	4.076E+02 462	2.344E+02 1.892	1.920E-04	1.230E-03 0.070	2.212E+02 2.279	2.289E+02 1.184	1.092E+03 1.880
NI-59 CURIES % OF TOTAL	2.774E+07	6.010E+01 0.363	4.460E+01 0.360			3.320E+01 0.342	5.075E+01 0.262	1.886E+02 0.325
NI-63 CURIES % OF TOTAL	3.650E+04	7.960E+03 48.083	5.902E+03 47.633	1.561E+00 1.377	1.034E-01 5.880	4.396E+03 45.285	6.718E+03 34.747	2.498E+04 42.990
RU-106 CURIES % OF TOTAL	3.726E+02			2.385E-03 0.002	3.483E-03 0.198		9.780E-04	6.846E-03
SB-125 CURIES % OF TOTAL	1.007E+03	1.950E+02 1.178	1.307E+02 1.055			1.044E+02 1.076	1.737E+02 0.898	6.038E+02 1.039
SN-113 CURIES % OF TOTAL	1.151E+02						3.250E-01 0.002	3.250E-01 0.001
SN-119 CURIES % OF TOTAL		6.952E+02 4.200	3.960E+02 3.196			3.664E+02 3.774	4.949E+02 2.560	1.953E+03 3.361
SR-90 CURIES % OF TOTAL	1.059E+04	5.420E-04			1.076E-02 0.612		2.636E-02	3.766E-02
TA-182 CURIES % OF TOTAL	1.145E+02						2.501E+03 12.938	2.501E+03 4.305

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NRF/ECF-S

ECF DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
TC-99 CURIES % OF TOTAL	7.775E+07	1.295E-04	9.250E-05	3.300E-08	2.513E-05	7.030E-05	3.163E-04	6.338E-04
W-187 CURIES % OF TOTAL	9.958E-01						9.152E+02 4.734	9.152E+02 1.575
Y-90 CURIES % OF TOTAL	2.667E+00				1.076E-02 0.612		2.636E-02	3.712E-02
ZR-95 CURIES % OF TOTAL	6.403E+01	1.844E+02 1.114	3.932E+01 0.317	1.030E-04	6.610E-04 0.038	1.005E+02 1.036	1.115E+02 0.577	4.358E+02 0.750
TOTALS								
ALPHA CURIES % OF TOTAL								
B+G CURIES % OF TOTAL		1.655E+04 100.000	1.239E+04 100.000	1.133E+02 100.000	1.758E+00 100.000	9.707E+03 100.000	1.933E+04 100.000	5.810E+04 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		4.689E+01	4.822E+01	7.159E+01	5.391E+01	5.322E+00	5.890E+01	2.848E+02
VOLUME (CU. METERS)		2.249E+04	1.255E+04	1.702E+04	5.916E+03	8.784E+03	3.141E+04	9.818E+04
WEIGHT (KILOGRAMS)								
GRAND TOTALS (CURIES)		1.655E+04	1.239E+04	1.133E+02	1.758E+00	9.707E+03	1.933E+04	5.810E+04

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NRF/SIM-A

SIM AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

YEARLY
RELEASE
% OF CG

YEARLY
RELEASE*
CG**

ANNUAL
AVG CONCEN/
TOT CURIES

HALF LIFE
(DAYS)

NUCLIDES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
GROSS-BETA									
CONCEN (UC/ML)	3.620E-14	1.648E-13	4.424E-14	4.486E-14	3.774E-15	3.565E-14	5.325E-14	2.886E-20	
CURIES	9.230E-07	2.900E-06	7.830E-07	9.960E-07	6.680E-08	6.200E-07	6.289E-06		
UNCERT(CURIES)									
UNCERT(UC/ML)									
% OF TOTAL	6.355	13.242	5.939	1.980	0.583	1.850	4.340		
H-3									
CONCEN (UC/ML)	5.333E-13	1.080E-12	7.006E-13	2.221E-12	6.441E-13	1.891E-12	1.174E-12	6.361E-19	1.00E-07
CURIES	1.360E-05	1.900E-05	1.240E-05	4.930E-05	1.140E-05	3.290E-05	1.386E-04		
UNCERT(CURIES)									
UNCERT(UC/ML)									
% OF TOTAL	93.645	86.758	94.061	98.020	99.417	98.150	95.660		

TOTALS

ALPHA CURIES

% OF TOTAL

B+G CURIES

% OF TOTAL

VOLUME (CU. METERS)

GRAND TOTALS (CURIES)

* 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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NRF/SIM-A

SSG AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

YEARLY
RELEASE
% OF CG

ANNUAL
AVG CONCEN/
TOT CURIES

JUNE

MAY

APRIL

MARCH

FEBRUARY

JANUARY

HALF LIFE
(DAYS)

NUCLIDES

C-14 2.092E+06

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

GROSS-BETA

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

H-3 4.490E+03

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

TOTALS

ALPHA CURIES

% OF TOTAL

B+G CURIES

% OF TOTAL

VOLUME (CU. METERS)

GRAND TOTALS (CURIES)

* 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

Power Burst Facility 1991 Detail Data

Power Burst Facility (PBF) Bar Graph of Annual Data by Month	PBF-3
CY-1991 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-1991

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

PBF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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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

CS-137 1.101E+04
CONCEN (UC/ML) 1.209E-14 2.297E-14 1.078E-15 1.774E-15 7.214E-16 1.783E-15 9.506E-15 7.988E-22 4.00E-10
CURIES 6.420E-08 1.180E-07 5.540E-09 9.420E-09 3.830E-09 9.160E-09 5.942E-07
UNCERT(CURIES) 1.240E-08 1.400E-08 1.190E-08 2.510E-08 1.050E-08 1.760E-08
UNCERT(UC/ML) 43.437 36.572
% OF TOTAL 45.789

GROSS-ALPHA
CONCEN (UC/ML) 1.078E-15 1.774E-15 7.214E-16 1.783E-15 6.866E-16 5.770E-23
CURIES 5.540E-09 9.420E-09 3.830E-09 9.160E-09 4.292E-08
UNCERT(CURIES) 1.190E-08 2.510E-08 1.050E-08 1.760E-08
UNCERT(UC/ML) 21.137 18.266
% OF TOTAL 3.307

GROSS-BETA
CONCEN (UC/ML) 3.387E-15 7.572E-15 1.575E-14 3.912E-14 3.673E-15 2.842E-15 9.405E-15 7.903E-22
CURIES 1.740E-08 4.020E-08 8.360E-08 2.010E-07 1.950E-08 1.460E-08 5.879E-07
UNCERT(CURIES) 2.190E-08 1.200E-08 1.750E-08 5.580E-08 1.730E-08 1.060E-08
UNCERT(UC/ML) 66.387 77.952 56.563 62.297 76.953 19.045 45.304
% OF TOTAL

SR-90 1.059E+04
CONCEN (UC/ML) 6.364E-16 3.673E-16 7.104E-16 3.786E-16 1.030E-14 1.162E-15 9.00E-12
CURIES 3.270E-09 1.950E-09 3.650E-09 2.010E-09 5.290E-08 7.266E-08
UNCERT(CURIES) 2.480E-09 1.650E-09 1.650E-09 1.830E-07 4.060E-09
UNCERT(UC/ML) 12.476 3.781 1.131 7.932 69.006 5.599
% OF TOTAL

TOTALS
ALPHA CURIES 5.540E-09 9.420E-09 3.830E-09 9.160E-09 4.292E-08
% OF TOTAL 21.137 18.266 15.114 11.949 3.307
B+G CURIES 2.067E-08 4.215E-08 1.478E-07 3.226E-07 2.151E-08 6.750E-08 1.255E-06
% OF TOTAL 78.863 81.734 100.000 100.000 88.051 96.692

VOLUME (CU. METERS) 5.138E+06 5.309E+06 5.309E+06 5.138E+06 5.138E+06 6.251E+07
GRAND TOTALS (CURIES) 2.621E-08 5.157E-08 1.478E-07 3.226E-07 2.534E-08 7.666E-08 1.298E-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 Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

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PBF-A
YEARLY
RELEASE
% OF CG

PBF AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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							1.322E-14	1.111E-21	4.00E-10
CONCEN (UC/ML)								4.120E-07		
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)								63.634		
% OF TOTAL										
GROSS-ALPHA										
CONCEN (UC/ML)								5.839E-16	4.803E-16	4.036E-23
CURIES								3.100E-09	1.497E-08	
UNCERT(CURIES)								1.830E-07		
UNCERT(UC/ML)										
% OF TOTAL								11.964	2.312	
GROSS-BETA										
CONCEN (UC/ML)								6.235E-15	3.918E-15	6.789E-15
CURIES								3.310E-08	2.920E-08	2.116E-07
UNCERT(CURIES)								1.590E-08	2.270E-08	2.040E-08
UNCERT(UC/ML)										
% OF TOTAL								86.786	80.278	32.682
SR-90	1.059E+04									
CONCEN (UC/ML)								4.476E-16	3.786E-16	2.849E-16
CURIES								2.300E-09	2.010E-09	8.880E-09
UNCERT(CURIES)								1.580E-09	1.960E-09	
UNCERT(UC/ML)										
% OF TOTAL								0.957	7.758	1.372
TOTALS										
ALPHA CURIES								3.100E-09	1.497E-08	
% OF TOTAL								11.964	2.312	
B+G CURIES								2.281E-08	6.325E-07	
% OF TOTAL								88.036	97.688	
VOLUME (CU. METERS)								5.309E+06	5.309E+06	3.117E+07
GRAND TOTALS (CURIES)								2.403E-07	2.591E-08	6.475E-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

Radioactive Waste Management Complex 1991 Detail Data

Radioactive Waste Management Complex (WMC) Bar Graph of Annual Data by Month	WMC-3
CY-1991 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 706—WMC Solid Waste Summary, WERF Incinerator Processed Waste	WMC-9
WMC Detail Data for Months January to June	
Annual Average Concentration and Total Curies for January to June	WMC-11
Report 706—WMC Solid Waste Summary, WERF Incineration Processed Waste	WMC-13

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

Waste Management Complex (WMC) Monthly Details - CY-1991

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

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NUCLIDES	HALF LIFE (DAYS)	WMC SOLID WASTE SUMMARY WRF INCINERATOR PROCESSED WASTE FROM JAN THROUGH DEC 1991					ANNUAL TOTAL
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	
CO-60	1.924E+03						1.000E-02
CURIES							47.619
% OF TOTAL							
CS-137	1.101E+04						1.000E-03
CURIES							4.762
% OF TOTAL							
HFP							
CURIES							1.000E-02
% OF TOTAL							47.619

TOTALS

ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

2.100E-02
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)

6.120E+00
1.415E+03

GRAND TOTALS (CURIES)

2.100E-02

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

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NUCLIDES	HALF LIFE (DAYS)	WMC SOLID WASTE SUMMARY					ANNUAL TOTAL
		WRF INCINERATOR PROCESSED WASTE FROM JAN THROUGH JAN 1991	FEBRUARY	MARCH	APRIL	MAY	
CO-60	1.924E+03			1.000E-02			1.000E-02
CURIES				47.619			47.619
% OF TOTAL							
CS-137	1.101E+04			1.000E-03			1.000E-03
CURIES				4.762			4.762
% OF TOTAL							
MFP				1.000E-02			1.000E-02
CURIES				47.619			47.619
% OF TOTAL							

TOTALS							
ALPHA CURIES							
% OF TOTAL							
B+G CURIES				2.100E-02			2.100E-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)				6.120E+00			6.120E+00
WEIGHT (KILOGRAMS)				1.415E+03			1.415E+03
GRAND TOTALS (CURIES)				2.100E-02			2.100E-02

Special Manufacturing Capability 1991 Detail Data

Special Manufacturing Capability (SMC) Bar Graphs of Annual Data by Month	SMC-3
CY-1991 Bar Graphs	SMC-5
SMC Detail Data for Months July to December	
Annual Average Concentration and Total Curies for January to December	SMC-7
Report 731—SMC Airborne Waste Summary	SMC-9
Report 733—SMC Disposed Solid Waste Summary	SMC-10
Report 736—SMC Solid Waste Summary, WERF Incinerator Processed Waste	SMC-11
Report 737—SMC Waste Summary, Waste Sent To WERF For Compaction	SMC-12
SMC Detail Data for Months January to June	
Annual Average Concentration and Total Curies for January to June	SMC-13
Report 731—SMC Airborne Waste Summary	SMC-15
SMC Facility Detail Data for Months July to December	
Annual Average Concentration and Total Curies for January to December	SMC-17
Report 741—Exhaust Fan P1 Airborne Waste Summary	SMC-19
Report 742—Laser Punch P1 Airborne Waste Summary	SMC-20
Report 754—Liquid Reclaim Airborne Waste Summary	SMC-21
Report 738—MDF Prod Floor Airborne Waste Summary	SMC-22
Report 739—MDF QC Lab Airborne Waste Summary	SMC-23
Report 748—N. Process S9 Airborne Waste Summary	SMC-24
Report 749—N. Process S10 Airborne Waste Summary	SMC-25
Report 750—N. Process S11 Airborne Waste Summary	SMC-26
Report 753—PRF Stack S14 Airborne Waste Summary	SMC-27
Report 751—Scrap Handling Airborne Waste Summary	SMC-28
Report 745—S. Process S6 Airborne Waste Summary	SMC-29
Report 746—S. Process S7 Airborne Waste Summary	SMC-30
Report 747—S. Process S8 Airborne Waste Summary	SMC-31
Report 744—2B Area Phase 1 Airborne Waste Summary	SMC-32
SMC Facility Detail Data for Months January to June	
Annual Average Concentration and Total Curies January to June	SMC-33
Report 741—Exhaust Fan P1 Airborne Waste Summary	SMC-35
Report 742—Laser Punch P1 Airborne Waste Summary	SMC-36
Report 754—Liquid Reclaim Airborne Waste Summary	SMC-37
Report 738—MDF Prod Floor Airborne Waste Summary	SMC-38
Report 739—MDF QC Lab Airborne Waste Summary	SMC-39
Report 744—2B Area Phase 1 Airborne Waste Summary	SMC-40
Report 748—N. Process S9 Airborne Waste Summary	SMC-41
Report 749—N. Process S10 Airborne Waste Summary	SMC-42
Report 750—N. Process S11 Airborne Waste Summary	SMC-43
Report 753—PRF Stack S14 Airborne Waste Summary	SMC-44
Report 751—Scrap Handling Airborne Waste Summary	SMC-45
Report 745—S. Process S6 Airborne Waste Summary	SMC-46
Report 746—S. Process S7 Airborne Waste Summary	SMC-47
Report 747—S. Process S8 Airborne Waste Summary	SMC-48

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

Special Manufacturing Capability (SMC) Monthly Details - CY-1991

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

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SMC AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

PAGE 1 RPT. 731
SMC-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

PA-234M 4.875E-02
CONCEN (UC/ML) 1.220E-15 1.494E-15 1.444E-15 2.009E-15 2.799E-15 7.852E-16 1.497E-15 1.144E-21
CURIES 3.580E-07 3.850E-07 3.720E-07 5.900E-07 6.470E-07 2.160E-07 4.673E-06
% OF TOTAL 31.936 31.950 31.986 32.065 32.046 32.384 31.989

TH-234 2.410E+01
CONCEN (UC/ML) 1.220E-15 1.494E-15 1.444E-15 2.009E-15 2.799E-15 7.852E-16 1.497E-15 1.144E-21 4.00E-10
CURIES 3.580E-07 3.850E-07 3.720E-07 5.900E-07 6.470E-07 2.160E-07 4.673E-06
% OF TOTAL 31.936 31.950 31.986 32.065 32.046 32.384 31.989

U-234 8.943E+07
CONCEN (UC/ML) 1.601E-16 1.941E-16 1.825E-16 2.384E-16 3.374E-16 6.907E-17 1.887E-16 1.442E-22 9.00E-14
CURIES 4.700E-08 5.000E-08 4.700E-08 7.000E-08 7.800E-08 1.900E-08 5.890E-07
% OF TOTAL 4.193 4.149 4.041 3.804 3.863 2.849 4.032

U-238 1.631E+12
CONCEN (UC/ML) 1.220E-15 1.494E-15 1.444E-15 2.009E-15 2.799E-15 7.852E-16 1.497E-15 1.144E-21 1.00E-13
CURIES 3.580E-07 3.850E-07 3.720E-07 5.900E-07 6.470E-07 2.160E-07 4.673E-06
% OF TOTAL 31.936 31.950 31.986 32.065 32.046 32.384 31.989

TOTALS
ALPHA CURIES 4.050E-07 4.350E-07 4.190E-07 6.600E-07 7.250E-07 2.350E-07 5.262E-06
% OF TOTAL 36.129 36.100 36.028 35.870 35.909 35.232 36.021
B+G CURIES 7.160E-07 7.700E-07 7.440E-07 1.180E-06 1.294E-06 4.320E-07 9.346E-06
% OF TOTAL 63.872 63.901 63.973 64.131 64.092 64.768 63.978

VOLUME (CU. METERS) 2.935E+08 2.576E+08 2.575E+08 2.936E+08 2.312E+08 2.751E+08 3.122E+09

GRAND TOTALS (CURIES) 1.121E-06 1.205E-06 1.163E-06 1.840E-06 2.019E-06 6.670E-07 1.461E-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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SMC DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
U-238	1.631E+12				5.502E-02	1.920E-01		2.471E-01
CURIES					100.000	100.000		100.000
% OF TOTAL					1.638E+05	5.716E+05		7.353E+05
GRAMS								
TOTALS					5.502E-02	1.920E-01		2.471E-01
ALPHA CURIES					100.000	100.000		99.999
% OF TOTAL								
B+G CURIES								
% OF TOTAL								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU					163,800	571,600		735,300
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U								
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP					8.420E+00	1.567E+01		2.409E+01
VOLUME (CU. METERS)					1.216E+04	3.463E+04		4.679E+04
WEIGHT (KILOGRAMS)								
GRAND TOTALS (CURIES)					5.502E-02	1.920E-01		2.471E-01

SCHED. NO. P61PM009-N

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

RUN DATE: 05/20/92

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NUCLIDES	HALF LIFE (DAYS)	SMC SOLID WASTE SUMMARY WRF INCINERATOR PROCESSED WASTE FROM JAN THROUGH DEC 1991						ANNUAL TOTAL
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
U-238	1.631E+12							
CURIES			2.620E-03					2.620E-03
% OF TOTAL			100.000					100.000
GRAMS			7.798E+03					7.798E+03
TOTALS								
ALPHA CURIES			2.620E-03					2.620E-03
% OF TOTAL			100.000					100.000
B+G CURIES								
% OF TOTAL								
TOTAL GRAMS OF AM								
TOTAL GRAMS OF PU								
TOTAL GRAMS OF PU-239+241								
TOTAL GRAMS OF U			7,798					7,798
TOTAL GRAMS OF TH								
TOTAL GRAMS OF NP								
VOLUME (CU. METERS)			9.175E+01					9.175E+01
WEIGHT (KILOGRAMS)			8.012E+03					8.012E+03
GRAND TOTALS (CURIES)			2.620E-03					2.620E-03

SCHED. NO. P61PH009-0

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

RUN DATE: 05/20/92

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NUCLIDES	HALF LIFE (DAYS)	SMC SOLID WASTE SUMMARY WASTE SENT TO WERF FOR COMPACTION FROM JAN THROUGH DEC 1991					ANNUAL TOTAL
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	
U-238	1.631E+12		2.093E-02				2.093E-02
CURIES			100.000				100.000
% OF TOTAL			6.228E+04				6.228E+04
GRAMS							
TOTALS			2.093E-02				2.093E-02
ALPHA CURIES			100.000				100.000
% OF TOTAL							
B+G CURIES							
% OF TOTAL							
TOTAL GRAMS OF AM							
TOTAL GRAMS OF PU							
TOTAL GRAMS OF PU-239+241			62.280				62.280
TOTAL GRAMS OF U							
TOTAL GRAMS OF TH							
TOTAL GRAMS OF NP							
VOLUME (CU. METERS)			8.935E+01				8.935E+01
WEIGHT (KILOGRAMS)			6.197E+03				6.197E+03
GRAND TOTALS (CURIES)			2.093E-02				2.093E-02

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

RUN DATE: 05/21/92

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

SCHED. NO. P61PM009-C

SMC AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

PAGE 1 RPT. 731
SMC-A
YEARLY
RELEASE
% OF CG

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE*

CG**

% OF CG

NUCLIDES HALF LIFE
(DAYS)

JANUARY

FEBRUARY

MARCH

APRIL

MAY

JUNE

PA-234M 4.875E+02
CONCEN (UC/ML)
CURIES
% OF TOTAL

9.300E-16 1.762E-15 1.674E-15 1.748E-15 1.581E-15 5.867E-16 1.391E-15 1.064E-21
2.380E-07 4.540E-07 4.920E-07 4.110E-07 3.720E-07 1.380E-07 2.105E-06
31.733 31.972 31.969 31.935 31.959 31.871 31.928

TH-234 2.410E+01
CONCEN (UC/ML)
CURIES
% OF TOTAL

9.300E-16 1.762E-15 1.674E-15 1.748E-15 1.581E-15 5.867E-16 1.391E-15 1.064E-21 4.00E-10
2.380E-07 4.540E-07 4.920E-07 4.110E-07 3.720E-07 1.380E-07 2.105E-06
31.733 31.972 31.969 31.935 31.959 31.871 31.928

U-234 8.943E+07
CONCEN (UC/ML)
CURIES
% OF TOTAL

1.407E-16 2.251E-16 2.144E-16 2.297E-16 2.040E-16 8.077E-17 1.837E-16 1.405E-22 9.00E-14
3.600E-08 5.800E-08 6.300E-08 5.400E-08 4.800E-08 1.900E-08 2.780E-07
4.800 4.085 4.094 4.196 4.124 4.388 4.217

U-238 1.631E+12
CONCEN (UC/ML)
CURIES
% OF TOTAL

9.300E-16 1.762E-15 1.674E-15 1.748E-15 1.581E-15 5.867E-16 1.391E-15 1.064E-21 1.00E-13
2.380E-07 4.540E-07 4.920E-07 4.110E-07 3.720E-07 1.380E-07 2.105E-06
31.733 31.972 31.969 31.935 31.959 31.871 31.928

TOTALS

ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

2.740E-07 5.120E-07 5.550E-07 4.650E-07 4.200E-07 1.570E-07 2.383E-06
36.533 36.057 36.063 36.131 36.083 36.259 36.144
4.760E-07 9.080E-07 9.840E-07 8.220E-07 7.440E-07 2.760E-07 4.210E-06
63.467 63.944 63.938 63.870 63.918 63.741 63.855

VOLUME (CU. METERS)

2.559E+08 2.577E+08 2.938E+08 2.351E+08 2.353E+08 2.352E+08 1.513E+09

GRAND TOTALS (CURIES)

7.500E-07 1.420E-06 1.539E-06 1.287E-06 1.164E-06 4.330E-07 6.593E-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 Facility Detail Data for Months July to December
Annual Average Concentration and Total Curies for January to December**

RUN DATE: 05/20/92

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

SCHED. NO. P61PH009-D

EXHAUST FAN P1 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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SMC-A

YEARLY
RELEASE
% OF CG

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE#

DECEMBER

NOVEMBER

OCTOBER

SEPTEMBER

AUGUST

JULY

HALF LIFE
(DAYS)

NUCLIDES

PA-234M 4.875E-02
CONCEN (UC/ML) 1.279E-15 1.008E-15 2.069E-15 2.857E-15 2.652E-15 1.932E-15 1.944E-15 9.630E-22
CURIES 6.000E-08 3.800E-08 7.800E-08 1.340E-07 9.600E-08 5.700E-08 9.130E-07
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL 31.915 31.933 31.967 31.981 32.000 32.022 31.945

TH-234 2.410E+01
CONCEN (UC/ML) 1.279E-15 1.008E-15 2.069E-15 2.857E-15 2.652E-15 1.932E-15 1.944E-15 9.630E-22 4.00E-10
CURIES 6.000E-08 3.800E-08 7.800E-08 1.340E-07 9.600E-08 5.700E-08 9.130E-07
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL 31.915 31.933 31.967 31.981 32.000 32.022 31.945

U-234 8.943E+07
CONCEN (UC/ML) 1.706E-16 1.326E-16 2.653E-16 3.625E-16 3.315E-16 2.373E-16 2.534E-16 1.255E-22 9.00E-14
CURIES 8.000E-09 5.000E-09 1.000E-08 1.700E-08 1.200E-08 7.000E-09 1.190E-07
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL 4.255 4.202 4.098 4.057 4.000 3.933 4.164

U-238 1.631E+12
CONCEN (UC/ML) 1.279E-15 1.008E-15 2.069E-15 2.857E-15 2.652E-15 1.932E-15 1.944E-15 9.630E-22 1.00E-13
CURIES 6.000E-08 3.800E-08 7.800E-08 1.340E-07 9.600E-08 5.700E-08 9.130E-07
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL 31.915 31.933 31.967 31.981 32.000 32.022 31.945

TOTALS
ALPHA CURIES 6.800E-08 4.300E-08 8.800E-08 1.510E-07 1.080E-07 6.400E-08 1.032E-06
% OF TOTAL 36.170 36.134 36.066 36.038 36.000 35.955 36.109
B+G CURIES 1.200E-07 7.600E-08 1.560E-07 2.680E-07 1.920E-07 1.140E-07 1.826E-06
% OF TOTAL 63.830 63.866 63.934 63.962 64.000 64.045 63.891

VOLUME (CU. METERS) 4.690E+07 3.770E+07 3.770E+07 4.690E+07 3.620E+07 2.950E+07 4.696E+08
GRAND TOTALS (CURIES) 1.880E-07 1.190E-07 2.440E-07 4.190E-07 3.000E-07 1.780E-07 2.858E-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

RUN DATE: 05/20/92

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

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PAGE 1 RPT. 742
SMC-A
YEARLY
RELEASE
% OF CG

LASER PUNCH P1 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**
PA-234H	4.875E+02									
CONCEN (UC/ML)		1.304E-15	5.976E-16	1.992E-15	3.390E-15	2.365E-15	2.075E-16	1.220E-15	6.040E-22	
CURIES		1.000E-08	3.000E-09	1.000E-08	2.600E-08	1.400E-08	1.000E-08	1.410E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		32.258	33.333	32.258	32.099	32.558	32.258	32.118		
TH-234	2.410E+01									
CONCEN (UC/ML)		1.304E-15	5.976E-16	1.992E-15	3.390E-15	2.365E-15	2.075E-16	1.220E-15	6.040E-22	4.00E-10
CURIES		1.000E-08	3.000E-09	1.000E-08	2.600E-08	1.400E-08	1.000E-08	1.410E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		32.258	33.333	32.258	32.099	32.558	32.258	32.118		
U-234	8.943E+07									
CONCEN (UC/ML)		1.304E-16		1.992E-16	3.911E-16	1.689E-16	2.075E-17	1.384E-16	6.854E-23	9.00E-14
CURIES		1.000E-09		1.000E-09	3.000E-09	1.000E-09	1.000E-09	1.600E-08		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		3.226		3.226	3.704	2.326	3.226	3.645		
U-238	1.631E+12									
CONCEN (UC/ML)		1.304E-15	5.976E-16	1.992E-15	3.390E-15	2.365E-15	2.075E-16	1.220E-15	6.040E-22	1.00E-13
CURIES		1.000E-08	3.000E-09	1.000E-08	2.600E-08	1.400E-08	1.000E-08	1.410E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		32.258	33.333	32.258	32.099	32.558	32.258	32.118		
TOTALS										
ALPHA CURIES		1.100E-08	3.000E-09	1.100E-08	2.900E-08	1.500E-08	1.100E-08	1.570E-07		
% OF TOTAL		35.484	33.333	35.484	35.802	34.884	35.484	35.763		
B+G CURIES		2.000E-08	6.000E-09	2.000E-08	5.200E-08	2.800E-08	2.000E-08	2.820E-07		
% OF TOTAL		64.516	66.667	64.516	64.198	65.116	64.516	64.237		
VOLUME (CU. METERS)		7.670E+06	5.020E+06	5.020E+06	7.670E+06	5.920E+06	4.820E+07	1.156E+08		
GRAND TOTALS (CURIES)		3.100E-08	9.000E-09	3.100E-08	8.100E-08	4.300E-08	3.100E-08	4.390E-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

RUN DATE: 05/20/92

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

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SMC-A

LIQUID RECLAIM AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

YEARLY
RELEASE
% OF CG

ANNUAL
AVG CONCEN/
TOT CURIES

DECEMBER

NOVEMBER

OCTOBER

SEPTEMBER

AUGUST

JULY

HALF LIFE
(DAYS)

NUCLIDES

PA-234M

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

TH-234

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

U-234

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

U-238

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

TOTALS

ALPHA CURIES

% OF TOTAL

B+G CURIES

% OF TOTAL

VOLUME (CU. METERS)

GRAND TOTALS (CURIES)

* 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
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

SCHED. NO. P61PM009-D

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SMC-A
YEARLY
RELEASE
% OF CG

MDF PROD FLOOR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
PA-234M	4.875E+02										
CONCEN (UC/ML)		1.987E-15	2.768E-15	9.495E-16	1.396E-15	3.701E-15	6.218E-16	1.679E-15	9.487E-22		
CURIES		6.100E-08	1.370E-07	4.700E-08	4.300E-08	1.140E-07	1.200E-08	6.960E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.937	31.935	31.973	32.090	32.022	32.432	31.985			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.987E-15	2.768E-15	9.495E-16	1.396E-15	3.701E-15	6.218E-16	1.679E-15	9.487E-22	4.00E-10	
CURIES		6.100E-08	1.370E-07	4.700E-08	4.300E-08	1.140E-07	1.200E-08	6.960E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.937	31.935	31.973	32.090	32.022	32.432	31.985			
U-234	8.943E+07										
CONCEN (UC/ML)		2.606E-16	3.636E-16	1.212E-16	1.623E-16	4.545E-16	5.181E-17	2.123E-16	1.199E-22	9.00E-14	
CURIES		8.000E-09	1.800E-08	6.000E-09	5.000E-09	1.400E-08	1.000E-09	8.800E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.188	4.196	4.082	3.731	3.933	2.703	4.044			
U-238	1.631E+12										
CONCEN (UC/ML)		1.987E-15	2.768E-15	9.495E-16	1.396E-15	3.701E-15	6.218E-16	1.679E-15	9.487E-22	1.00E-13	
CURIES		6.100E-08	1.370E-07	4.700E-08	4.300E-08	1.140E-07	1.200E-08	6.960E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.937	31.935	31.973	32.090	32.022	32.432	31.985			
TOTALS											
ALPHA CURIES		6.900E-08	1.550E-07	5.300E-08	4.800E-08	1.280E-07	1.300E-08	7.840E-07			
% OF TOTAL		36.126	36.131	36.054	35.821	35.955	35.135	36.029			
B+G CURIES		1.220E-07	2.740E-07	9.400E-08	8.600E-08	2.280E-07	2.400E-08	1.392E-06			
% OF TOTAL		63.874	63.869	63.946	64.179	64.045	64.865	63.971			
VOLUME (CU. METERS)		3.070E+07	4.950E+07	4.950E+07	3.080E+07	3.080E+07	1.930E+07	4.145E+08			
GRUND TOTALS (CURIES)		1.910E-07	4.290E-07	1.470E-07	1.340E-07	3.560E-07	3.700E-08	2.176E-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

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
MOF QC LAB AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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SMC-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	YEARLY RELEASE % OF CG
PA-234M	4.875E+02									
CONCEN (UC/ML)		1.878E-15	2.611E-15	1.529E-15	2.589E-15	6.613E-15	7.258E-16	2.059E-15	1.163E-21	
CURIES		3.700E-08	4.100E-08	2.400E-08	5.100E-08	8.200E-08	9.000E-09	4.000E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		31.897	32.031	32.000	32.075	32.031	32.143	32.000		
TH-234	2.410E+01									
CONCEN (UC/ML)		1.878E-15	2.611E-15	1.529E-15	2.589E-15	6.613E-15	7.258E-16	2.059E-15	1.163E-21	4.00E-10
CURIES		3.700E-08	4.100E-08	2.400E-08	5.100E-08	8.200E-08	9.000E-09	4.000E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		31.897	32.031	32.000	32.075	32.031	32.143	32.000		
U-235	8.943E+07									
CONCEN (UC/ML)		2.538E-16	3.185E-16	1.911E-16	3.046E-16	8.065E-16	8.065E-17	2.573E-16	1.454E-22	9.00E-14
CURIES		5.000E-09	5.000E-09	3.000E-09	6.000E-09	1.000E-08	1.000E-09	5.000E-08		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		4.310	3.906	4.000	3.774	3.906	3.571	4.000		
U-238	1.631E+12									
CONCEN (UC/ML)		1.878E-15	2.611E-15	1.529E-15	2.589E-15	6.613E-15	7.258E-16	2.059E-15	1.163E-21	1.00E-13
CURIES		3.700E-08	4.100E-08	2.400E-08	5.100E-08	8.200E-08	9.000E-09	4.000E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		31.897	32.031	32.000	32.075	32.031	32.143	32.000		
TOTALS										
ALPHA CURIES		4.200E-08	4.600E-08	2.700E-08	5.700E-08	9.200E-08	1.000E-08	4.500E-07		
% OF TOTAL		36.207	35.938	36.000	35.849	35.937	35.714	36.000		
B+G CURIES		7.400E-08	8.200E-08	4.800E-08	1.020E-07	1.640E-07	1.800E-08	8.000E-07		
% OF TOTAL		63.793	64.063	64.000	64.151	64.063	64.286	64.000		
VOLUME (CU. METERS)		1.970E+07	1.570E+07	1.570E+07	1.970E+07	1.240E+07	1.240E+07	1.943E+08		
GRAND TOTALS (CURIES)		1.160E-07	1.280E-07	7.500E-08	1.590E-07	2.560E-07	2.800E-08	1.250E-06		

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the stright 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

RUN DATE: 05/20/92

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

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SMC-A
YEARLY
RELEASE
% OF CG

N. PROCESS S9 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**
PA-234M	4.875E+02								
CONCEN (UC/ML)		1.271E-15	1.517E-15	1.724E-15	1.160E-15	2.786E-15	6.140E-16	1.329E-15	1.016E-21
CURIES		2.300E-08	2.200E-08	2.500E-08	2.100E-08	3.900E-08	7.000E-09	2.410E-07	
UNCERT(CURIES)									
UNCERT(UC/ML)		31.944	31.884	32.051	32.308	31.967	33.333	32.091	
% OF TOTAL									
TH-234	2.410E+01								
CONCEN (UC/ML)		1.271E-15	1.517E-15	1.724E-15	1.160E-15	2.786E-15	6.140E-16	1.329E-15	1.016E-21
CURIES		2.300E-08	2.200E-08	2.500E-08	2.100E-08	3.900E-08	7.000E-09	2.410E-07	4.00E-10
UNCERT(CURIES)									
UNCERT(UC/ML)		31.944	31.884	32.051	32.308	31.967	33.333	32.091	
% OF TOTAL									
U-234	8.943E+07								
CONCEN (UC/ML)		1.657E-16	2.069E-16	2.069E-16	1.105E-16	3.571E-16		1.544E-16	1.181E-22
CURIES		3.000E-09	3.000E-09	3.000E-09	2.000E-09	5.000E-09		2.800E-08	9.00E-14
UNCERT(CURIES)									
UNCERT(UC/ML)		4.167	4.348	3.846	3.077	4.098		3.728	
% OF TOTAL									
U-238	1.631E+12								
CONCEN (UC/ML)		1.271E-15	1.517E-15	1.724E-15	1.160E-15	2.786E-15	6.140E-16	1.329E-15	1.016E-21
CURIES		2.300E-08	2.200E-08	2.500E-08	2.100E-08	3.900E-08	7.000E-09	2.410E-07	
UNCERT(CURIES)									
UNCERT(UC/ML)		31.944	31.884	32.051	32.308	31.967	33.333	32.091	
% OF TOTAL									
TOTALS									
ALPHA CURIES		2.600E-08	2.500E-08	2.800E-08	2.300E-08	4.400E-08	7.000E-09	2.690E-07	
% OF TOTAL		36.111	36.232	35.897	35.385	36.066	33.333	35.819	
B+G CURIES		4.600E-08	4.400E-08	5.000E-08	4.200E-08	7.800E-08	1.400E-08	4.820E-07	
% OF TOTAL		63.889	63.768	64.103	64.615	63.934	66.667	64.181	
VOLUME (CU. METERS)		1.810E+07	1.450E+07	1.450E+07	1.810E+07	1.400E+07	1.140E+07	1.813E+08	
GRAND TOTALS (CURIES)		7.200E-08	6.900E-08	7.800E-08	6.500E-08	1.220E-07	2.100E-08	7.510E-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

RUN DATE: 05/20/92

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
N. PROCESS S10 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

SCHED. NO. P61PH009-D

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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-234M	4.875E+02									
CONCEN (UC/ML)		6.452E-16	8.725E-16	7.383E-16	8.602E-16	1.389E-15	1.121E-15	1.001E-15	7.649E-22	
CURIES		1.200E-08	1.300E-08	1.100E-08	1.600E-08	2.000E-08	1.300E-08	1.860E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		31.579	31.707	32.353	32.000	32.258	32.500	32.014		
TH-234	2.410E+01									
CONCEN (UC/ML)		6.452E-16	8.725E-16	7.383E-16	8.602E-16	1.389E-15	1.121E-15	1.001E-15	7.649E-22	4.00E-10
CURIES		1.200E-08	1.300E-08	1.100E-08	1.600E-08	2.000E-08	1.300E-08	1.860E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		31.579	31.707	32.353	32.000	32.258	32.500	32.014		
U-234	8.943E+07									
CONCEN (UC/ML)		1.075E-16	1.342E-16	6.711E-17	1.075E-16	1.389E-16	8.621E-17	1.237E-16	9.459E-23	9.00E-14
CURIES		2.000E-09	2.000E-09	1.000E-09	2.000E-09	2.000E-09	1.000E-09	2.300E-08		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		5.263	4.878	2.941	4.000	3.226	2.500	3.959		
U-238	1.631E+12									
CONCEN (UC/ML)		6.452E-16	8.725E-16	7.383E-16	8.602E-16	1.389E-15	1.121E-15	1.001E-15	7.649E-22	1.00E-13
CURIES		1.200E-08	1.300E-08	1.100E-08	1.600E-08	2.000E-08	1.300E-08	1.860E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		31.579	31.707	32.353	32.000	32.258	32.500	32.014		
TOTALS										
ALPHA CURIES		1.400E-08	1.500E-08	1.200E-08	1.800E-08	2.200E-08	1.400E-08	2.090E-07		
% OF TOTAL		36.842	36.585	35.294	36.000	35.484	35.000	35.972		
B+G CURIES		2.400E-08	2.600E-08	2.200E-08	3.200E-08	4.000E-08	2.600E-08	3.720E-07		
% OF TOTAL		63.158	63.415	64.706	64.000	64.516	65.000	64.027		
VOLUME (CU. METERS)		1.860E+07	1.490E+07	1.490E+07	1.860E+07	1.440E+07	1.160E+	1.859E+08		
GRAND TOTALS (CURIES)		3.800E-08	4.100E-08	3.400E-08	5.000E-08	6.200E-08	4.000E-08	5.810E-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

RUN DATE: 05/20/92

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

SCHED. NO. P61PH009-D

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SMC-A
YEARLY
RELEASE
% OF CG

N. PROCESS S11 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234M	4.875E+02										
CONCEN (UC/ML)		4.865E-16	1.169E-15	7.143E-16	7.568E-16	1.329E-15	1.207E-15	8.275E-16	6.327E-22		
CURIES		9.000E-09	1.800E-08	1.100E-08	1.400E-08	1.900E-08	1.400E-08	1.550E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.143	32.143	32.353	32.558	32.203	32.558	32.158			
TH-234	2.410E+01										
CONCEN (UC/ML)		4.865E-16	1.169E-15	7.143E-16	7.568E-16	1.329E-15	1.207E-15	8.275E-16	6.327E-22	4.00E-10	
CURIES		9.000E-09	1.800E-08	1.100E-08	1.400E-08	1.900E-08	1.400E-08	1.550E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.143	32.143	32.353	32.558	32.203	32.558	32.158			
U-234	8.943E+07										
CONCEN (UC/ML)		5.405E-17	1.299E-16	6.494E-17	5.405E-17	1.399E-16	8.621E-17	9.076E-17	6.939E-23	9.00E-14	
CURIES		1.000E-09	2.000E-09	1.000E-09	1.000E-09	2.000E-09	1.000E-09	1.700E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.571	3.571	2.941	2.326	3.390	2.326	3.527			
U-238	1.631E+12										
CONCEN (UC/ML)		4.865E-16	1.169E-15	7.143E-16	7.568E-16	1.329E-15	1.207E-15	8.275E-16	6.327E-22	1.00E-13	
CURIES		9.000E-09	1.800E-08	1.100E-08	1.400E-08	1.900E-08	1.400E-08	1.550E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.143	32.143	32.353	32.558	32.203	32.558	32.158			
TOTALS											
ALPHA CURIES		1.000E-08	2.000E-08	1.200E-08	1.500E-08	2.100E-08	1.500E-08	1.720E-07			
% OF TOTAL		35.714	35.714	35.294	34.884	35.593	34.884	35.685			
B+6 CURIES		1.800E-08	3.600E-08	2.200E-08	2.800E-08	3.800E-08	2.800E-08	3.100E-07			
% OF TOTAL		64.286	64.286	64.706	65.116	64.407	65.116	64.315			
VOLUME (CU. METERS)		1.850E+07	1.540E+07	1.540E+07	1.850E+07	1.430E+07	1.160E+07	1.873E+08			
GRAND TOTALS (CURIES)		2.800E-08	5.600E-08	3.400E-08	4.300E-08	5.900E-08	4.300E-08	4.820E-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

RUN DATE: 05/20/92

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

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SMC-A
YEARLY
RELEASE
% OF CG

PRF STACK SI4 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
PA-234M	4.875E+02									
CONCEN (UC/ML)		4.255E-16	5.820E-16	1.064E-15	2.043E-15	2.582E-15	2.500E-15	1.288E-15	3.750E-22	
CURIES		1.000E-08	1.100E-08	2.000E-08	4.800E-08	4.700E-08	3.700E-08	3.030E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		32.258	32.353	31.746	32.000	31.973	32.174	31.996		
TH-234	2.410E+01									
CONCEN (UC/ML)		4.255E-16	5.820E-16	1.064E-15	2.043E-15	2.582E-15	2.500E-15	1.288E-15	3.750E-22	4.00E-10
CURIES		1.000E-08	1.100E-08	2.000E-08	4.800E-08	4.700E-08	3.700E-08	3.030E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		32.258	32.353	31.746	32.000	31.973	32.174	31.996		
U-234	8.943E+07									
CONCEN (UC/ML)		4.255E-17	5.291E-17	1.596E-16	2.553E-16	3.297E-16	2.703E-16	1.615E-16	4.703E-23	9.00E-14
CURIES		1.000E-09	1.000E-09	3.000E-09	6.000E-09	6.000E-09	4.000E-09	3.800E-08		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		3.226	2.941	4.762	4.000	4.082	3.478	4.013		
U-238	1.631E+12									
CONCEN (UC/ML)		4.255E-16	5.820E-16	1.064E-15	2.043E-15	2.582E-15	2.500E-15	1.288E-15	3.750E-22	1.00E-13
CURIES		1.000E-08	1.100E-08	2.000E-08	4.800E-08	4.700E-08	3.700E-08	3.030E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		32.258	32.353	31.746	32.000	31.973	32.174	31.996		
TOTALS										
ALPHA CURIES		1.100E-08	1.200E-08	2.300E-08	5.400E-08	5.300E-08	4.100E-08	3.410E-07		
% OF TOTAL		35.484	35.294	36.508	36.000	36.054	35.652	36.008		
B+G CURIES		2.000E-08	2.200E-08	4.000E-08	9.600E-08	9.400E-08	7.400E-08	6.060E-07		
% OF TOTAL		64.516	64.706	63.492	64.000	63.946	64.348	63.992		
VOLUME (CU. METERS)		2.350E+07	1.890E+07	1.880E+07	2.350E+07	1.820E+07	1.480E+07	2.353E+08		
GRAND TOTALS (CURIES)		3.100E-08	3.400E-08	6.300E-08	1.500E-07	1.470E-07	1.150E-07	9.470E-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

RUN DATE: 05/20/92

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

SCHED. NO. P61PM009-D

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SMC-A
YEARLY
RELEASE
% OF CG

SCRAP HANDLING AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234M	4.875E-02										
CONCEN (UC/ML)		1.310E-16	2.198E-16	1.374E-15	8.734E-16	2.316E-15	4.861E-16	9.182E-16	2.674E-22		
CURIES		3.000E-09	4.000E-09	2.500E-08	2.000E-08	4.100E-08	7.000E-09	2.100E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		33.333	30.769	32.051	32.258	32.031	33.333	32.012			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.310E-16	2.198E-16	1.374E-15	8.734E-16	2.316E-15	4.861E-16	9.182E-16	2.674E-22	4.00E-10	
CURIES		3.000E-09	4.000E-09	2.500E-08	2.000E-08	4.100E-08	7.000E-09	2.100E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		33.333	30.769	32.051	32.258	32.031	33.333	32.012			
U-234	8.943E+07										
CONCEN (UC/ML)			5.495E-17	1.648E-16	8.734E-17	2.825E-16		1.137E-16	3.311E-23	9.00E-14	
CURIES			1.000E-09	3.000E-09	2.000E-09	5.000E-09		2.600E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL			7.692	3.846	3.226	3.906		3.963			
U-238	1.631E+12										
CONCEN (UC/ML)		1.310E-16	2.198E-16	1.374E-15	8.734E-16	2.316E-15	4.861E-16	9.182E-16	2.674E-22	1.00E-13	
CURIES		3.000E-09	4.000E-09	2.500E-08	2.000E-08	4.100E-08	7.000E-09	2.100E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		33.333	30.769	32.051	32.258	32.031	33.333	32.012			
TOTALS											
ALPHA CURIES		3.000E-09	5.000E-09	2.800E-08	2.200E-08	4.600E-08	7.000E-09	2.360E-07			
% OF TOTAL		33.333	38.462	35.897	35.484	35.938	33.333	35.976			
B+G CURIES		6.000E-09	8.000E-09	5.000E-08	4.000E-08	8.200E-08	1.400E-08	4.200E-07			
% OF TOTAL		66.667	61.538	64.103	64.516	64.063	66.667	64.024			
VOLUME (CU. METERS)		2.290E+07	1.820E+07	1.820E+07	2.290E+07	1.770E+07	1.440E+07	2.287E+08			
GRAND TOTALS (CURIES)		9.000E-09	1.300E-08	7.800E-08	6.200E-08	1.280E-07	2.100E-08	6.560E-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

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234M	4.875E+02										
CONCEN (UC/ML)		1.892E-15	6.757E-16	1.486E-15	2.432E-15	2.308E-15	1.293E-15	1.429E-15	1.092E-21		
CURIES		3.500E-08	1.000E-08	2.200E-08	4.500E-08	3.300E-08	1.500E-08	2.640E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	32.258	31.884	32.143	32.039	32.609	31.961			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.892E-15	6.757E-16	1.486E-15	2.432E-15	2.308E-15	1.293E-15	1.429E-15	1.092E-21	4.00E-10	
CURIES		3.500E-08	1.000E-08	2.200E-08	4.500E-08	3.300E-08	1.500E-08	2.640E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	32.258	31.884	32.143	32.039	32.609	31.961			
U-234	8.943E+07										
CONCEN (UC/ML)		2.703E-16	6.757E-17	2.027E-16	2.703E-16	2.797E-16	8.621E-17	1.840E-16	1.407E-22	9.00E-14	
CURIES		5.000E-09	1.000E-09	3.000E-09	5.000E-09	4.000E-09	1.000E-09	3.400E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.545	3.226	4.348	3.571	3.883	2.174	4.116			
U-238	1.631E+12										
CONCEN (UC/ML)		1.892E-15	6.757E-16	1.486E-15	2.432E-15	2.308E-15	1.293E-15	1.429E-15	1.092E-21	1.00E-13	
CURIES		3.500E-08	1.000E-08	2.200E-08	4.500E-08	3.300E-08	1.500E-08	2.640E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	32.258	31.884	32.143	32.039	32.609	31.961			
TOTALS											
ALPHA CURIES		4.000E-08	1.100E-08	2.500E-08	5.000E-08	3.700E-08	1.600E-08	2.980E-07			
% OF TOTAL		36.364	35.484	36.232	35.714	35.922	34.783	36.077			
B+G CURIES		7.000E-08	2.000E-08	4.400E-08	9.000E-08	6.600E-08	3.000E-08	5.280E-07			
% OF TOTAL		63.636	64.516	63.768	64.286	64.078	65.217	63.922			
VOLUME (CU. METERS)		1.850E+07	1.480E+07	1.480E+07	1.850E+07	1.430E+07	1.160E+07	1.848E+08			
GRAND TOTALS (CURIES)		1.100E-07	3.100E-08	6.900E-08	1.400E-07	1.030E-07	4.600E-08	8.260E-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

SCHED. NO. P61PH009-D

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

RUN DATE: 05/20/92

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SMC-A YEARLY
RELEASE
% OF CG

S. PROCESS S7 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234M	4.875E+02										
CONCN (UC/ML)		1.676E-15	2.162E-15	1.892E-15	3.946E-15	2.727E-15	3.448E-16	1.970E-15	1.506E-21		
CURIES		3.100E-08	3.200E-08	2.800E-08	7.300E-08	3.900E-08	4.000E-09	3.640E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.959	32.000	31.818	32.018	31.967	33.333	31.902			
TH-234	2.410E+01										
CONCN (UC/ML)		1.676E-15	2.162E-15	1.892E-15	3.946E-15	2.727E-15	3.448E-16	1.970E-15	1.506E-21	4.00E-10	
CURIES		3.100E-08	3.200E-08	2.800E-08	7.300E-08	3.900E-08	4.000E-09	3.640E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.959	32.000	31.818	32.018	31.967	33.333	31.902			
U-234	8.943E+07										
CONCN (UC/ML)		2.162E-16	2.703E-16	2.703E-16	4.865E-16	3.497E-16		2.652E-16	2.027E-22	9.00E-14	
CURIES		4.000E-09	4.000E-09	4.000E-09	9.000E-09	5.000E-09		4.900E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.124	4.000	4.545	3.947	4.098		4.294			
U-238	1.631E+12										
CONCN (UC/ML)		1.676E-15	2.162E-15	1.892E-15	3.946E-15	2.727E-15	3.448E-16	1.970E-15	1.506E-21	1.00E-13	
CURIES		3.100E-08	3.200E-08	2.800E-08	7.300E-08	3.900E-08	4.000E-09	3.640E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.959	32.000	31.818	32.018	31.967	33.333	31.902			
TOTALS											
ALPHA CURIES		3.500E-08	3.600E-08	3.200E-08	8.200E-08	4.400E-08	4.000E-09	4.130E-07			
% OF TOTAL		36.083	36.000	36.364	35.965	36.066	33.333	36.196			
B+G CURIES		6.200E-08	6.400E-08	5.600E-08	1.460E-07	7.800E-08	8.000E-09	7.280E-07			
% OF TOTAL		63.918	64.000	63.636	64.035	63.934	66.667	63.804			
VOLUME (CU. METERS)		1.850E+07	1.480E+07	1.480E+07	1.850E+07	1.430E+07	1.160E+07	1.848E+08			
GRAND TOTALS (CURIES)		9.700E-08	1.000E-07	8.800E-08	2.280E-07	1.220E-07	1.200E-08	1.141E-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

RUN DATE: 05/20/92

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
S. PROCESS S8 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

SCHED. NO. P61PH009-D

PAGE 1 RPT. 747
SMC-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
PA-234M	4.875E-02										
CONCEN (UC/ML)		1.459E-15	2.162E-15	2.635E-15	2.703E-15	3.566E-15	4.310E-16	1.959E-15	1.498E-21		
CURIES		2.700E-08	3.200E-08	3.900E-08	5.000E-08	5.100E-08	5.000E-09	3.620E-07			
UNCERT(UC/ML)											
% OF TOTAL		31.765	32.000	31.967	32.051	32.075	33.333	31.979			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.459E-15	2.162E-15	2.635E-15	2.703E-15	3.566E-15	4.310E-16	1.959E-15	1.498E-21	4.00E-10	
CURIES		2.700E-08	3.200E-08	3.900E-08	5.000E-08	5.100E-08	5.000E-09	3.620E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.765	32.000	31.967	32.051	32.075	33.333	31.979			
U-234	8.943E+07										
CONCEN (UC/ML)		2.162E-16	2.703E-16	3.378E-16	3.243E-16	4.196E-16		2.489E-16	1.903E-22	9.00E-14	
CURIES		4.000E-09	4.000E-09	5.000E-09	6.000E-09	6.000E-09		4.600E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.706	4.000	4.098	3.846	3.774		4.064			
U-238	1.631E+12										
CONCEN (UC/ML)		1.459E-15	2.162E-15	2.635E-15	2.703E-15	3.566E-15	4.310E-16	1.959E-15	1.498E-21	1.00E-13	
CURIES		2.700E-08	3.200E-08	3.900E-08	5.000E-08	5.100E-08	5.000E-09	3.620E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.765	32.000	31.967	32.051	32.075	33.333	31.979			
TOTALS											
ALPHA CURIES		3.100E-08	3.600E-08	4.400E-08	5.600E-08	5.700E-08	5.000E-09	4.080E-07			
% OF TOTAL		36.471	36.000	36.066	35.897	35.849	33.333	36.042			
B+G CURIES		5.400E-08	6.400E-08	7.800E-08	1.000E-07	1.020E-07	1.000E-08	7.240E-07			
% OF TOTAL		63.529	64.000	63.934	64.103	64.151	66.667	63.958			
VOLUME (CU. METERS)		1.850E+07	1.480E+07	1.480E+07	1.850E+07	1.430E+07	1.160E+07	1.848E+08			
GRAND TOTALS (CURIES)		8.500E-08	1.000E-07	1.220E-07	1.560E-07	1.590E-07	1.500E-08	1.132E-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

2B AREA PHASE1 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234M	4.875E+02										
CONCEN (UC/ML)		1.792E-15	1.018E-15	3.259E-15	1.912E-15	4.186E-15	9.506E-17	1.203E-15	5.959E-22		
CURIES		1.500E-08	5.000E-09	1.600E-08	1.600E-08	2.700E-08	5.000E-09	1.490E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	31.250	32.000	32.000	32.143	33.333	31.974			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.792E-15	1.018E-15	3.259E-15	1.912E-15	4.186E-15	9.506E-17	1.203E-15	5.959E-22	4.00E-10	
CURIES		1.500E-08	5.000E-09	1.600E-08	1.600E-08	2.700E-08	5.000E-09	1.490E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	31.250	32.000	32.000	32.143	33.333	31.974			
U-234	8.943E+07										
CONCEN (UC/ML)		2.389E-16	2.037E-16	4.073E-16	2.389E-16	4.651E-16		1.534E-16	7.598E-23	9.00E-14	
CURIES		2.000E-09	1.000E-09	2.000E-09	2.000E-09	3.000E-09		1.900E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.255	6.250	4.000	4.000	3.571		4.077			
U-238	1.631E+12										
CONCEN (UC/ML)		1.792E-15	1.018E-15	3.259E-15	1.912E-15	4.186E-15	9.506E-17	1.203E-15	5.959E-22	1.00E-13	
CURIES		1.500E-08	5.000E-09	1.600E-08	1.600E-08	2.700E-08	5.000E-09	1.490E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.915	31.250	32.000	32.000	32.143	33.333	31.974			
TOTALS											
ALPHA CURIES		1.700E-08	6.000E-09	1.800E-08	1.800E-08	3.000E-08	5.000E-09	1.680E-07			
% OF TOTAL		36.170	37.500	36.000	36.000	35.714	33.333	36.051			
B+G CURIES		3.000E-08	1.000E-08	3.200E-08	3.200E-08	5.400E-08	1.000E-08	2.980E-07			
% OF TOTAL		63.830	62.500	64.000	64.000	64.286	66.667	63.948			
VOLUME (CU. METERS)		8.370E+06	4.910E+06	4.910E+06	8.370E+06	6.450E+06	5.260E+07	1.239E+08			
GRAND TOTALS (CURIES)		4.700E-08	1.600E-08	5.000E-08	5.000E-08	8.400E-08	1.500E-08	4.660E-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 Facility Detail Data for Months January to June
Annual Average Concentration and Total Curies for January to June**

RUN DATE: 05/21/92

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

SCHED. NO. P61PM009-D

PAGE 1 RPT. 741
SMC-A
YEARLY
RELEASE
% OF CG

EXHAUST FAN P1 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234M	4.875E-02										
CONCEN (UC/ML)		1.835E-15	2.544E-15	1.898E-15	2.773E-15	1.627E-15	8.267E-16	1.917E-15	9.496E-22		
CURIES		6.900E-08	9.600E-08	8.900E-08	1.040E-07	6.100E-08	3.100E-08	4.500E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.944	31.894	31.900	31.902	31.937	31.959	31.915			
TH-234	2.410E+01										
CONCEN (UC/ML)		1.835E-15	2.544E-15	1.898E-15	2.773E-15	1.627E-15	8.267E-16	1.917E-15	9.496E-22	4.00E-10	
CURIES		6.900E-08	9.600E-08	8.900E-08	1.040E-07	6.100E-08	3.100E-08	4.500E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.944	31.894	31.900	31.902	31.937	31.959	31.915			
U-234	8.943E+07										
CONCEN (UC/ML)		2.394E-16	3.448E-16	2.559E-16	3.733E-16	2.133E-16	1.067E-16	2.556E-16	1.266E-22	9.00E-14	
CURIES		9.000E-09	1.300E-08	1.200E-08	1.400E-08	8.000E-09	4.000E-09	6.000E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.167	4.319	4.301	4.294	4.188	4.124	4.255			
U-238	1.631E+12										
CONCEN (UC/ML)		1.835E-15	2.544E-15	1.898E-15	2.773E-15	1.627E-15	8.267E-16	1.917E-15	9.496E-22	1.00E-13	
CURIES		6.900E-08	9.600E-08	8.900E-08	1.040E-07	6.100E-08	3.100E-08	4.500E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.944	31.894	31.900	31.902	31.937	31.959	31.915			
TOTALS											
ALPHA CURIES		7.800E-08	1.090E-07	1.010E-07	1.180E-07	6.900E-08	3.500E-08	5.100E-07			
% OF TOTAL		36.111	36.213	36.201	36.196	36.126	36.083	36.170			
B+G CURIES		1.380E-07	1.920E-07	1.780E-07	2.080E-07	1.220E-07	6.200E-08	9.000E-07			
% OF TOTAL		63.889	63.787	63.799	63.804	63.874	63.918	63.830			
VOLUME (CU. METERS)		3.760E+07	3.770E+07	4.690E+07	3.750E+07	3.750E+07	3.750E+07	2.347E+08			
GRAND TOTALS (CURIES)		2.160E-07	3.010E-07	2.790E-07	3.260E-07	1.910E-07	9.700E-08	1.410E-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

RUN DATE: 05/21/92

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

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SMC-A
YEARLY
RELEASE
% OF CG

LASER PUNCH P1 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234M	4.875E+02										
CONCEN (UC/ML)		7.984E-16	1.594E-15	1.565E-15	2.606E-15	3.583E-15	9.772E-16	1.883E-15	9.324E-22		
CURIES		4.000E-09	8.000E-09	1.200E-08	1.600E-08	2.200E-08	6.000E-09	6.800E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		33.333	32.000	31.579	32.000	31.884	31.579	31.925			
TH-234	2.410E+01										
CONCEN (UC/ML)		7.984E-16	1.594E-15	1.565E-15	2.606E-15	3.583E-15	9.772E-16	1.883E-15	9.324E-22	4.00E-10	
CURIES		4.000E-09	8.000E-09	1.200E-08	1.600E-08	2.200E-08	6.000E-09	6.800E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		33.333	32.000	31.579	32.000	31.884	31.579	31.925			
U-234	8.943E+07										
CONCEN (UC/ML)		1.992E-16	2.608E-16	3.257E-16	4.886E-16	4.886E-16	1.629E-16	2.492E-16	1.234E-22	9.00E-14	
CURIES		1.000E-09	2.000E-09	2.000E-09	3.000E-09	3.000E-09	1.000E-09	9.000E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.000	4.000	5.263	4.000	4.348	5.263	4.225			
U-238	1.631E+12										
CONCEN (UC/ML)		7.984E-16	1.594E-15	1.565E-15	2.606E-15	3.583E-15	9.772E-16	1.883E-15	9.324E-22	1.00E-13	
CURIES		4.000E-09	8.000E-09	1.200E-08	1.600E-08	2.200E-08	6.000E-09	6.800E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		33.333	32.000	31.579	32.000	31.884	31.579	31.925			
TOTALS											
ALPHA CURIES		4.000E-09	9.000E-09	1.400E-08	1.800E-08	2.500E-08	7.000E-09	7.700E-08			
% OF TOTAL		33.333	36.000	36.842	36.000	36.232	36.842	36.150			
B+G CURIES		8.000E-09	1.600E-08	2.400E-08	3.200E-08	4.400E-08	1.200E-08	1.360E-07			
% OF TOTAL		66.667	64.000	63.158	64.000	63.768	63.158	63.850			
VOLUME (CU. METERS)		5.010E+06	5.020E+06	7.670E+06	6.140E+06	6.140E+06	6.140E+06	3.612E+07			
GRAND TOTALS (CURIES)		1.200E-08	2.500E-08	3.800E-08	5.000E-08	6.900E-08	1.900E-08	2.130E-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

RUN DATE: 05/21/92

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

SCHED. NO. P61PM009-D

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SMC-A
YEARLY
RELEASE
% OF CG

LIQUID RECLAIM AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

ANNUAL
AVG CONCEN/
TOT CURIES

NUCLIDES
PA-234H
CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
PA-234H	5.464E-16	1.405E-15	1.342E-15	2.324E-15	1.676E-15	4.865E-16	1.300E-15	3.785E-22		
CONCEN (UC/ML)	1.000E-08	2.600E-08	3.100E-08	4.300E-08	3.100E-08	9.000E-09	1.500E-07			
CURIES	32.258	32.099	31.959	31.852	31.959	32.143	31.983			
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
TH-234	5.464E-16	1.405E-15	1.342E-15	2.324E-15	1.676E-15	4.865E-16	1.300E-15	3.785E-22	4.00E-10	
CONCEN (UC/ML)	1.000E-08	2.600E-08	3.100E-08	4.300E-08	3.100E-08	9.000E-09	1.500E-07			
CURIES	32.258	32.099	31.959	31.852	31.959	32.143	31.983			
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
U-234	5.464E-17	1.622E-16	1.732E-16	3.243E-16	2.162E-16	5.405E-17	1.646E-16	4.795E-23	9.00E-14	
CONCEN (UC/ML)	1.000E-09	3.000E-09	4.000E-09	6.000E-09	4.000E-09	1.000E-09	1.900E-08			
CURIES	3.226	3.704	4.124	4.444	4.124	3.571	4.051			
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
U-238	5.464E-16	1.405E-15	1.342E-15	2.324E-15	1.676E-15	4.865E-16	1.300E-15	3.785E-22	1.00E-13	
CONCEN (UC/ML)	1.000E-08	2.600E-08	3.100E-08	4.300E-08	3.100E-08	9.000E-09	1.500E-07			
CURIES	32.258	32.099	31.959	31.852	31.959	32.143	31.983			
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
TOTALS	1.100E-08	2.900E-08	3.500E-08	4.900E-08	3.500E-08	1.000E-08	1.690E-07			
ALPHA CURIES	35.484	35.802	36.083	36.296	36.083	35.714	36.034			
% OF TOTAL	2.000E-08	5.200E-08	6.200E-08	8.600E-08	6.200E-08	1.800E-08	3.000E-07			
B+G CURIES	64.516	64.198	63.918	63.704	63.918	64.286	63.966			
% OF TOTAL										

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	% OF CG
VOLUME (CU. METERS)	1.830E+07	1.850E+07	2.310E+07	1.850E+07	1.850E+07	1.850E+07	1.154E+08			
GRAND TOTALS (CURIES)	3.100E-08	8.100E-08	9.700E-08	1.350E-07	9.700E-08	2.800E-08	4.690E-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

SCHED. NO. P61PH009-D

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

RUN DATE: 05/21/92

MDF PROO FLOOR AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991										PAGE	1 RPT. 738
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		YEARLY RELEASE % OF CG	
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*		
PA-234M	4.875E+02										
CONCEN (UC/ML)		9.879E-16	9.879E-16	1.429E-15	1.463E-15	3.130E-15	1.093E-15	1.383E-15	7.814E-22		
CURIES		4.900E-08	4.900E-08	4.400E-08	3.600E-08	7.700E-08	2.700E-08	2.820E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.026	32.026	31.884	31.858	31.950	32.143	31.973			
TH-234	2.410E+01										
CONCEN (UC/ML)		9.879E-16	9.879E-16	1.429E-15	1.463E-15	3.130E-15	1.093E-15	1.383E-15	7.814E-22	4.00E-10	
CURIES		4.900E-08	4.900E-08	4.400E-08	3.600E-08	7.700E-08	2.700E-08	2.820E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.026	32.026	31.884	31.858	31.950	32.143	31.973			
U-234	8.943E+07										
CONCEN (UC/ML)		1.210E-16	1.210E-16	1.948E-16	2.033E-16	4.065E-16	1.215E-16	1.766E-16	9.975E-23	9.00E-14	
CURIES		6.000E-09	6.000E-09	6.000E-09	5.000E-09	1.000E-08	3.000E-09	3.600E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.922	3.922	4.348	4.425	4.149	3.571	4.082			
U-238	1.631E+12										
CONCEN (UC/ML)		9.879E-16	9.879E-16	1.429E-15	1.463E-15	3.130E-15	1.093E-15	1.383E-15	7.814E-22	1.00E-13	
CURIES		4.900E-08	4.900E-08	4.400E-08	3.600E-08	7.700E-08	2.700E-08	2.820E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.026	32.026	31.884	31.858	31.950	32.143	31.973			
TOTALS											
ALPHA CURIES		5.500E-08	5.500E-08	5.000E-08	4.100E-08	8.700E-08	3.000E-08	3.180E-07			
% OF TOTAL		35.948	35.948	36.232	36.283	36.100	35.714	36.054			
B+G CURIES		9.800E-08	9.800E-08	8.800E-08	7.200E-08	1.540E-07	5.400E-08	5.640E-07			
% OF TOTAL		64.052	64.052	63.768	63.717	63.900	64.286	63.946			
VOLUME (CU. METERS)		4.960E+07	4.960E+07	3.080E+07	2.460E+07	2.460E+07	2.470E+07	2.039E+08			
GRAND TOTALS (CURIES)		1.530E-07	1.530E-07	1.380E-07	1.130E-07	2.410E-07	8.400E-08	8.820E-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

RUN DATE: 05/21/92

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

SCHED. NO. P61PM009-D

PDF QC LAB AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

PAGE 1 RPT. 739
SMC-A

YEARLY
RELEASE
% OF CG

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE* CG**

YEARLY
RELEASE
% OF CG

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE* CG**

JUNE

MAY

APRIL

MARCH

FEBRUARY

JANUARY

HALF LIFE
(DAYS)

NUCLIDES

PA-234M 4.875E-02
CONCEN (UC/ML) 9.494E-16 2.405E-15 1.624E-15 2.152E-15 1.835E-15 5.063E-16 1.581E-15 8.930E-22
CURIES 1.500E-08 3.800E-08 3.200E-08 3.400E-08 2.900E-08 8.000E-09 1.560E-07
UNCERT(CURIES)
UNCERT(UC/ML) 31.915 31.933 32.000 32.076 31.868 32.000 31.967
% OF TOTAL

TH-234 2.410E+01
CONCEN (UC/ML) 9.494E-16 2.405E-15 1.624E-15 2.152E-15 1.835E-15 5.063E-16 1.581E-15 8.930E-22 4.00E-10
CURIES 1.500E-08 3.800E-08 3.200E-08 3.400E-08 2.900E-08 8.000E-09 1.560E-07
UNCERT(CURIES)
UNCERT(UC/ML) 31.915 31.933 32.000 32.076 31.868 32.000 31.967
% OF TOTAL

U-234 8.943E+07
CONCEN (UC/ML) 1.266E-16 3.165E-16 2.030E-16 2.532E-16 2.532E-16 6.329E-17 2.026E-16 1.145E-22 9.00E-14
CURIES 2.000E-09 5.000E-09 4.000E-09 4.000E-09 4.000E-09 1.000E-09 2.000E-08
UNCERT(CURIES)
UNCERT(UC/ML) 4.255 4.202 4.000 3.774 4.396 4.000 4.098
% OF TOTAL

U-238 1.631E+12
CONCEN (UC/ML) 9.494E-16 2.405E-15 1.624E-15 2.152E-15 1.835E-15 5.063E-16 1.581E-15 8.930E-22 1.00E-13
CURIES 1.500E-08 3.800E-08 3.200E-08 3.400E-08 2.900E-08 8.000E-09 1.560E-07
UNCERT(CURIES)
UNCERT(UC/ML) 31.915 31.933 32.000 32.076 31.868 32.000 31.967
% OF TOTAL

TOTALS
ALPHA CURIES 1.700E-08 4.300E-08 3.600E-08 3.800E-08 3.300E-08 9.000E-09 1.760E-07
% OF TOTAL 36.170 36.134 36.000 35.849 36.264 36.000 36.066
B+G CURIES 3.000E-08 7.600E-08 6.400E-08 6.800E-08 5.800E-08 1.600E-08 3.120E-07
% OF TOTAL 63.830 63.866 64.000 64.151 63.736 64.000 63.934

VOLUME (CU. METERS) 1.580E+07 1.580E+07 1.970E+07 1.580E+07 1.580E+07 1.580E+07 9.870E+07
GRAND TOTALS (CURIES) 4.700E-08 1.190E-07 1.000E-07 1.060E-07 9.100E-08 2.500E-08 4.880E-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

RUN DATE: 05/21/92

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

PAGE 1 RPT. 744
SMC-A
YEARLY
RELEASE
% OF CG

2B AREA PHASE1 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234M	4.875E-02										
CONCEN (UC/ML)		8.163E-16	2.041E-15	2.987E-15	1.046E-15	2.242E-15	5.979E-16	1.700E-15	8.419E-22		
CURIES		4.000E-09	1.000E-08	2.500E-08	7.000E-09	1.500E-08	4.000E-09	6.500E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		30.769	32.258	32.051	31.818	31.915	30.769	31.863			
TH-234	2.410E+01										
CONCEN (UC/ML)		8.163E-16	2.041E-15	2.987E-15	1.046E-15	2.242E-15	5.979E-16	1.700E-15	8.419E-22	4.00E-10	
CURIES		4.000E-09	1.000E-08	2.500E-08	7.000E-09	1.500E-08	4.000E-09	6.500E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		30.769	32.258	32.051	31.818	31.915	30.769	31.863			
U-234	8.943E+07										
CONCEN (UC/ML)		2.041E-16	2.041E-16	3.584E-16	1.495E-16	2.990E-16	1.495E-16	2.354E-16	1.166E-22	9.00E-14	
CURIES		1.000E-09	1.000E-09	3.000E-09	1.000E-09	2.000E-09	1.000E-09	9.000E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		7.692	3.226	3.846	4.545	4.255	7.692	4.412			
U-238	1.631E+12										
CONCEN (UC/ML)		8.163E-16	2.041E-15	2.987E-15	1.046E-15	2.242E-15	5.979E-16	1.700E-15	8.419E-22	1.00E-13	
CURIES		4.000E-09	1.000E-08	2.500E-08	7.000E-09	1.500E-08	4.000E-09	6.500E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		30.769	32.258	32.051	31.818	31.915	30.769	31.863			
TOTALS											
ALPHA CURIES		5.000E-09	1.100E-08	2.800E-08	8.000E-09	1.700E-08	5.000E-09	7.400E-08			
% OF TOTAL		38.462	35.484	35.897	36.364	36.170	38.462	36.274			
B+G CURIES		8.000E-09	2.000E-08	5.000E-08	1.400E-08	3.000E-08	8.000E-09	1.300E-07			
% OF TOTAL		61.538	64.516	64.103	63.636	63.830	61.538	63.725			
VOLUME (CU. METERS)		4.900E+06	4.900E+06	8.370E+06	6.690E+06	6.690E+06	6.690E+06	3.824E+07			
GRAND TOTALS (CURIES)		1.300E-08	3.100E-08	7.800E-08	2.200E-08	4.700E-08	1.300E-08	2.040E-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

RUN DATE: 05/21/92

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

SCHED. NO. P61PM009-D

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SMC-A
YEARLY
RELEASE
% OF CG

N. PROCESS S9 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**
PA-234M	4.875E+02									
CONCEN (UC/ML)		1.399E-16	2.207E-15	1.878E-15	1.172E-15	1.149E-15	1.379E-16	1.147E-15	8.766E-22	
CURIES		2.000E-09	3.200E-08	3.400E-08	1.700E-08	1.700E-08	2.000E-09	1.040E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		33.333	32.000	32.076	32.075	32.075	33.333	32.099		
TH-234	2.410E+01									
CONCEN (UC/ML)		1.399E-16	2.207E-15	1.878E-15	1.172E-15	1.149E-15	1.379E-16	1.147E-15	8.766E-22	4.00E-10
CURIES		2.000E-09	3.200E-08	3.400E-08	1.700E-08	1.700E-08	2.000E-09	1.040E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		33.333	32.000	32.076	32.075	32.075	33.333	32.099		
U-234	8.943E+07									
CONCEN (UC/ML)		2.759E-16	2.210E-16	2.210E-16	1.379E-16	1.351E-16		1.323E-16	1.012E-22	9.00E-14
CURIES		4.000E-09	4.000E-09	4.000E-09	2.000E-09	2.000E-09		1.200E-08		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		4.000	4.000	3.774	3.774	3.774	33.333	3.704		
U-238	1.631E+12									
CONCEN (UC/ML)		1.399E-16	2.207E-15	1.878E-15	1.172E-15	1.149E-15	1.379E-16	1.147E-15	8.766E-22	1.00E-13
CURIES		2.000E-09	3.200E-08	3.400E-08	1.700E-08	1.700E-08	2.000E-09	1.040E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		33.333	32.000	32.076	32.075	32.075	33.333	32.099		
TOTALS										
ALPHA CURIES		2.000E-09	3.600E-08	3.800E-08	1.900E-08	1.900E-08	2.000E-09	1.160E-07		
% OF TOTAL		33.333	36.000	35.849	35.849	35.849	33.333	35.802		
B+G CURIES		4.000E-09	6.400E-08	6.800E-08	3.400E-08	3.400E-08	4.000E-09	2.080E-07		
% OF TOTAL		66.667	64.000	64.151	64.151	64.151	66.667	64.197		
VOLUME (CU. METERS)		1.430E+07	1.450E+07	1.810E+07	1.450E+07	1.480E+07	1.450E+07	9.070E+07		
GRAND TOTALS (CURIES)		6.000E-09	1.000E-07	1.060E-07	5.300E-08	5.300E-08	6.000E-09	3.240E-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

RUN DATE: 05/21/92

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

SCHED. NO. P61PH009-0

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SMC-A
YEARLY
RELEASE
% OF CG

N. PROCESS S10 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234M	4.875E+02										
CONCN (UC/ML)		9.524E-16	1.275E-15	1.828E-15	1.007E-15	1.007E-15	2.685E-16	1.087E-15	8.312E-22		
CURIES		1.400E-08	1.900E-08	3.400E-08	1.500E-08	1.500E-08	4.000E-09	1.010E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	32.203	32.076	31.915	31.915	30.769	31.962			
TH-234	2.410E+01										
CONCN (UC/ML)		9.524E-16	1.275E-15	1.828E-15	1.007E-15	1.007E-15	2.685E-16	1.087E-15	8.312E-22	4.00E-10	
CURIES		1.400E-08	1.900E-08	3.400E-08	1.500E-08	1.500E-08	4.000E-09	1.010E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	32.203	32.076	31.915	31.915	30.769	31.962			
U-234	8.943E+07										
CONCN (UC/ML)		1.361E-16	1.342E-16	2.151E-16	1.342E-16	1.342E-16	6.711E-17	1.399E-16	1.070E-22	9.00E-14	
CURIES		2.000E-09	2.000E-09	4.000E-09	2.000E-09	2.000E-09	1.000E-09	1.300E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		4.545	3.390	3.774	4.255	4.255	7.692	4.114			
U-238	1.631E+12										
CONCN (UC/ML)		9.524E-16	1.275E-15	1.828E-15	1.007E-15	1.007E-15	2.685E-16	1.087E-15	8.312E-22	1.00E-13	
CURIES		1.400E-08	1.900E-08	3.400E-08	1.500E-08	1.500E-08	4.000E-09	1.010E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		31.818	32.203	32.076	31.915	31.915	30.769	31.962			
TOTALS											
ALPHA CURIES		1.600E-08	2.100E-08	3.800E-08	1.700E-08	1.700E-08	5.000E-09	1.140E-07			
% OF TOTAL		36.364	35.593	35.849	36.170	36.170	38.462	36.076			
B+G CURIES		2.800E-08	3.800E-08	6.800E-08	3.000E-08	3.000E-08	8.000E-09	2.020E-07			
% OF TOTAL		63.636	64.407	64.151	63.830	63.830	61.538	63.924			
VOLUME (CU. METERS)		1.470E+07	1.490E+07	1.860E+07	1.490E+07	1.490E+07	1.490E+07	9.290E+07			
GRAND TOTALS (CURIES)		4.400E-08	5.900E-08	1.060E-07	4.700E-08	4.700E-08	1.300E-08	3.160E-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

RUN DATE: 05/21/92

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

SCHED. NO. P61PM009-D

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SMC-A YEARLY
RELEASE
% OF CG

N. PROCESS S11 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
PA-234M	4.875E+02										
CONCEN (UC/ML)		5.882E-16	1.429E-15	5.946E-16	8.108E-16	6.081E-16	4.730E-16	7.479E-16	5.718E-22		
CURIES		9.000E-09	2.200E-08	1.100E-08	1.200E-08	9.000E-09	7.000E-09	7.000E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.143	31.884	32.353	31.579	32.143	31.818	31.963			
TH-234	2.410E+01										
CONCEN (UC/ML)		5.882E-16	1.429E-15	5.946E-16	8.108E-16	6.081E-16	4.730E-16	7.479E-16	5.718E-22	4.00E-10	
CURIES		9.000E-09	2.200E-08	1.100E-08	1.200E-08	9.000E-09	7.000E-09	7.000E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.143	31.884	32.353	31.579	32.143	31.818	31.963			
U-234	8.943E+07										
CONCEN (UC/ML)		6.536E-17	1.948E-16	5.405E-17	1.351E-16	6.757E-17	6.757E-17	9.615E-17	7.351E-23	9.00E-14	
CURIES		1.000E-09	3.000E-09	1.000E-09	2.000E-09	1.000E-09	1.000E-09	9.000E-09			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		3.571	4.348	2.941	5.263	3.571	4.545	4.110			
U-238	1.631E+12										
CONCEN (UC/ML)		5.882E-16	1.429E-15	5.946E-16	8.108E-16	6.081E-16	4.730E-16	7.479E-16	5.718E-22	1.00E-13	
CURIES		9.000E-09	2.200E-08	1.100E-08	1.200E-08	9.000E-09	7.000E-09	7.000E-08			
UNCERT(CURIES)											
UNCERT(UC/ML)											
% OF TOTAL		32.143	31.884	32.353	31.579	32.143	31.818	31.963			
TOTALS											
ALPHA CURIES		1.000E-08	2.500E-08	1.200E-08	1.400E-08	1.000E-08	8.000E-09	7.900E-08			
% OF TOTAL		35.714	36.232	35.294	36.842	35.714	36.364	36.073			
B+G CURIES		1.800E-08	4.400E-08	2.200E-08	2.400E-08	1.800E-08	1.400E-08	1.400E-07			
% OF TOTAL		64.286	63.768	64.706	63.158	64.286	63.636	63.927			
VOLUME (CU. METERS)		1.530E+07	1.540E+07	1.850E+07	1.480E+07	1.480E+07	1.480E+07	9.360E+07			
GRAND TOTALS (CURIES)		2.800E-08	6.900E-08	3.400E-08	3.800E-08	2.800E-08	2.200E-08	2.190E-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

SCHED. NO. P61PM009-D

RUN DATE: 05/21/92

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

PRF STACK S14 AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991													PAGE	1 RPT. 753
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG		
								AVG CONCEN/ TOT CURIES	TOT CURIES					
PA-234M														
CONCEN (UC/ML)	4.875E+02	3.763E-16	1.862E-15	1.441E-15	1.323E-15	1.277E-15	2.646E-16	1.105E-15	3.219E-22					
CURIES		7.000E-09	3.500E-08	3.400E-08	2.500E-08	2.400E-08	5.000E-09	1.300E-07						
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL		31.818	31.818	32.076	32.051	32.000	31.250	31.941						
TH-234														
CONCEN (UC/ML)	2.410E+01	3.763E-16	1.862E-15	1.441E-15	1.323E-15	1.277E-15	2.646E-16	1.105E-15	3.219E-22	4.00E-10				
CURIES		7.000E-09	3.500E-08	3.400E-08	2.500E-08	2.400E-08	5.000E-09	1.300E-07						
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL		31.818	31.818	32.076	32.051	32.000	31.250	31.941						
U-234														
CONCEN (UC/ML)	8.943E+07	5.376E-17	2.660E-16	1.695E-16	1.587E-16	1.596E-16	5.291E-17	1.446E-16	4.210E-23	9.00E-14				
CURIES		1.000E-09	5.000E-09	4.000E-09	3.000E-09	3.000E-09	1.000E-09	1.700E-08						
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL		4.545	4.545	3.774	3.846	4.000	6.250	4.177						
U-238														
CONCEN (UC/ML)	1.631E+12	3.763E-16	1.862E-15	1.441E-15	1.323E-15	1.277E-15	2.646E-16	1.105E-15	3.219E-22	1.00E-13				
CURIES		7.000E-09	3.500E-08	3.400E-08	2.500E-08	2.400E-08	5.000E-09	1.300E-07						
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL		31.818	31.818	32.076	32.051	32.000	31.250	31.941						
TOTALS														
ALPHA CURIES		8.000E-09	4.000E-08	3.800E-08	2.800E-08	2.700E-08	6.000E-09	1.470E-07						
% OF TOTAL		36.364	36.364	35.849	35.897	36.000	37.500	36.118						
B+G CURIES		1.400E-08	7.000E-08	6.800E-08	5.000E-08	4.800E-08	1.000E-08	2.600E-07						
% OF TOTAL		63.636	63.636	64.151	64.103	64.000	62.500	63.882						
VOLUME (CU. METERS)		1.860E+07	1.880E+07	2.360E+07	1.890E+07	1.880E+07	1.890E+07	1.176E+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

SCHED. NO. P61PM009-D

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

RUN DATE: 05/21/92

SCRAP HANDLING AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

PAGE 1 RPT. 751
SMC-A

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE#	YEARLY RELEASE % OF CG
PA-234M	4.875E+02									
CONCEN (UC/ML)		1.111E-15	2.198E-15	1.043E-15	8.152E-16	2.717E-16	3.261E-16	9.615E-16	2.800E-22	
CURIES		2.000E-08	4.000E-08	2.400E-08	1.500E-08	5.000E-09	6.000E-09	1.100E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		31.746	32.000	32.000	31.915	31.250	31.579	31.884		
TH-234	2.410E+01									
CONCEN (UC/ML)		1.111E-15	2.198E-15	1.043E-15	8.152E-16	2.717E-16	3.261E-16	9.615E-16	2.800E-22	4.00E-10
CURIES		2.000E-08	4.000E-08	2.400E-08	1.500E-08	5.000E-09	6.000E-09	1.100E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		31.746	32.000	32.000	31.915	31.250	31.579	31.884		
U-234	8.943E+07									
CONCEN (UC/ML)		1.667E-16	2.747E-16	1.304E-16	1.087E-16	5.435E-17	5.435E-17	1.311E-16	3.818E-23	9.00E-14
CURIES		3.000E-09	5.000E-09	3.000E-09	2.000E-09	1.000E-09	1.000E-09	1.500E-08		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		4.762	4.000	4.000	4.255	6.250	5.263	4.348		
U-238	1.631E+12									
CONCEN (UC/ML)		1.111E-15	2.198E-15	1.043E-15	8.152E-16	2.717E-16	3.261E-16	9.615E-16	2.800E-22	1.00E-13
CURIES		2.000E-08	4.000E-08	2.400E-08	1.500E-08	5.000E-09	6.000E-09	1.100E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		31.746	32.000	32.000	31.915	31.250	31.579	31.884		
TOTALS										
ALPHA CURIES		2.300E-08	4.500E-08	2.700E-08	1.700E-08	6.000E-09	7.000E-09	1.250E-07		
% OF TOTAL		36.508	36.000	36.000	36.170	37.500	36.842	36.232		
B+G CURIES		4.000E-08	8.000E-08	4.800E-08	3.000E-08	1.000E-08	1.200E-08	2.200E-07		
% OF TOTAL		63.492	64.000	64.000	63.830	62.500	63.158	63.768		
VOLUME (CU. METERS)		1.800E+07	1.820E+07	2.300E+07	1.840E+07	1.840E+07	1.840E+07	1.144E+08		
GRAND TOTALS (CURIES)		6.300E-08	1.250E-07	7.500E-08	4.700E-08	1.600E-08	1.900E-08	3.450E-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

RUN DATE: 05/21/92

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

S. PROCESS S6 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

PAGE 1 RPT. 745
SMC-A

YEARLY
RELEASE
% OF CG

YEARLY
RELEASE*
CG**

ANNUAL
AVG CONCEN/
TOT CURIES

JUNE

MAY

APRIL

MARCH

FEBRUARY

JANUARY

HALF LIFE
(DAYS)

NUCLIDES

PA-234M 4.875E-02

CONCEN (UC/ML) 1.096E-15 1.216E-15 1.405E-15 1.757E-15 6.757E-16 5.405E-16 1.127E-15 8.614E-22

CURIES 1.600E-08 1.800E-08 2.600E-08 2.600E-08 1.000E-08 8.000E-09 1.040E-07

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL 30.189 32.143 32.099 32.099 32.258 32.000 31.804

TH-234 2.410E+01

CONCEN (UC/ML) 1.096E-15 1.216E-15 1.405E-15 1.757E-15 6.757E-16 5.405E-16 1.127E-15 8.614E-22

CURIES 1.600E-08 1.800E-08 2.600E-08 2.600E-08 1.000E-08 8.000E-09 1.040E-07

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL 30.189 32.143 32.099 32.099 32.258 32.000 31.804

U-234 8.943E+07

CONCEN (UC/ML) 3.425E-16 1.351E-16 1.622E-16 2.027E-16 6.757E-17 6.757E-17 1.625E-16 1.242E-22

CURIES 5.000E-09 2.000E-09 3.000E-09 3.000E-09 1.000E-09 1.000E-09 1.500E-08

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL 9.434 3.571 3.704 3.704 3.226 4.000 4.587

U-238 1.631E+12

CONCEN (UC/ML) 1.096E-15 1.216E-15 1.405E-15 1.757E-15 6.757E-16 5.405E-16 1.127E-15 8.614E-22

CURIES 1.600E-08 1.800E-08 2.600E-08 2.600E-08 1.000E-08 8.000E-09 1.040E-07

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL 30.189 32.143 32.099 32.099 32.258 32.000 31.804

TOTALS

ALPHA CURIES

% OF TOTAL 39.623 35.714 35.802 35.802 35.484 36.000 36.391

B+G CURIES 3.200E-08 3.600E-08 5.200E-08 5.200E-08 2.000E-08 1.600E-08 2.080E-07

% OF TOTAL 60.377 64.286 64.198 64.198 64.516 64.000 63.609

VOLUME (CU. METERS) 1.460E+07 1.480E+07 1.850E+07 1.480E+07 1.480E+07 1.480E+07 9.230E+07

GRAND TOTALS (CURIES) 5.300E-08 5.600E-08 8.100E-08 8.100E-08 3.100E-08 2.500E-08 3.270E-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

RUN DATE: 05/21/92

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

SCHED. NO. P61PM009-D

PAGE 1 RPT. 746
SMC-A
YEARLY
RELEASE
% OF CG

S. PROCESS S7 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**
PA-234M	4.875E+02									
CONCEN (UC/ML)		1.164E-15	2.027E-15	2.324E-15	2.230E-15	1.757E-15	5.405E-16	1.701E-15	1.300E-21	
CURIES		1.700E-08	3.000E-08	4.300E-08	3.300E-08	2.600E-08	8.000E-09	1.570E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		30.357	31.915	31.852	32.039	32.099	32.000	31.781		
TH-234	2.410E+01									
CONCEN (UC/ML)		1.164E-15	2.027E-15	2.324E-15	2.230E-15	1.757E-15	5.405E-16	1.701E-15	1.300E-21	4.00E-10
CURIES		1.700E-08	3.000E-08	4.300E-08	3.300E-08	2.600E-08	8.000E-09	1.570E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		30.357	31.915	31.852	32.039	32.099	32.000	31.781		
U-234	8.943E+07									
CONCEN (UC/ML)		3.425E-16	2.703E-16	3.243E-16	2.703E-16	2.027E-16	6.757E-17	2.492E-16	1.905E-22	9.00E-14
CURIES		5.000E-09	4.000E-09	6.000E-09	4.000E-09	3.000E-09	1.000E-09	2.300E-08		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		8.929	4.255	4.444	3.883	3.704	4.000	4.656		
U-238	1.631E+12									
CONCEN (UC/ML)		1.164E-15	2.027E-15	2.324E-15	2.230E-15	1.757E-15	5.405E-16	1.701E-15	1.300E-21	1.00E-13
CURIES		1.700E-08	3.000E-08	4.300E-08	3.300E-08	2.600E-08	8.000E-09	1.570E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL		30.357	31.915	31.852	32.039	32.099	32.000	31.781		
TOTALS										
ALPHA CURIES		2.200E-08	3.400E-08	4.900E-08	3.700E-08	2.900E-08	9.000E-09	1.800E-07		
% OF TOTAL		39.286	36.170	36.296	35.922	35.802	36.000	36.437		
B+G CURIES		3.400E-08	6.000E-08	8.600E-08	6.600E-08	5.200E-08	1.600E-08	3.140E-07		
% OF TOTAL		60.714	63.830	63.704	64.078	64.198	64.000	63.563		
VOLUME (CU. METERS)		1.460E+07	1.480E+07	1.850E+07	1.480E+07	1.480E+07	1.480E+07	9.230E+07		
GRAND TOTALS (CURIES)		5.600E-08	9.400E-08	1.350E-07	1.030E-07	8.100E-08	2.500E-08	4.940E-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

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

S. PROCESS S8 AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

PAGE 1 RPT. 747
SMC-A
LY YEARLY
ASE* CG**
RELEASE
% OF CG

[illegible][illegible]

TH-234	2.410E+01
CONCEN (UC/ML)	
CURIES	
UNCERT(CURIES)	
UNCERT(UC/ML)	
% OF TOTAL	

[illegible]

U-234 8.943E+07
CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

[illegible]

U-238 1.631E+12
CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

[illegible]

TOTALS	ALPHA CURIES	% OF TOTAL	B+G CURIES	% OF TOTAL
100	100	100	100	100

Year	2000E-09	3.500E-08	6.000E-08	3.200E-08	3.500E-08	1.500E-08	1.790E-07
2000E-09	33.333	36.083	36.145	36.364	36.083	36.585	36.162
4.000E-09	66.667	63.918	63.855	63.636	63.918	63.415	63.838
6.000E-08							
3.200E-08							
3.500E-08							
1.500E-08							
1.790E-07							

VOLUME (CU. METERS)	1.460E+07	1.480E+07	1.850E+07	1.480E+07	1.480E+07	9.250E+07
VOLUME (CU. METERS)	1.460E+07	1.480E+07	1.850E+07	1.480E+07	1.480E+07	9.250E+07

* This number is derived from a dispersion factor equation. The dispersion factor is derived from the straight line method as recommended by the National Oceanic Atmospheric Administration (NOAA).

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

Special Power Excursion Reactor 1991 Detail Data

Special Power Excursion Reactor Test (PER) Bar Graph of Annual Data by Month	PER-3
CY-1991 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 172—PER Disposed Solid Waste Summary	PER-9

Special Power Excursion Reactor Test (PER) Bar Graph of Annual Data by Month

Special Power Excursion Reactor Test (PER) Monthly Details - CY-1991

**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
 PER DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH DEC 1991

SCHED. NO. P61PM009-G

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AG-110 CURIES % OF TOTAL	2.841E+04	2.640E-06 0.587						2.640E-06 0.587
CO-60 CURIES % OF TOTAL	1.924E+03	1.610E-04 35.787						1.610E-04 35.787
CS-134 CURIES % OF TOTAL	7.537E+02	3.000E-06 0.667						3.000E-06 0.667
CS-137 CURIES % OF TOTAL	1.101E+04	2.418E-04 53.747						2.418E-04 53.747
EU-152 CURIES % OF TOTAL	4.891E+03	7.790E-07 0.173						7.790E-07 0.173
EU-154 CURIES % OF TOTAL	3.103E+03	3.670E-07 0.082						3.670E-07 0.082
PN-54 CURIES % OF TOTAL	3.122E+02	2.000E-06 0.445						2.000E-06 0.445
SB-125 CURIES % OF TOTAL	1.007E+03	3.830E-05 8.513						3.830E-05 8.513

SCHED. NO. P61PM009-G

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

PER DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

RUN DATE: 05/20/92

PAGE 2 RPT 172 PER-S

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES		4.499E-04						4.499E-04
% 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)		1.812E+00						1.812E+00
WEIGHT (KILOGRAMS)		4.540E+02						4.540E+02
GRAND TOTALS (CURIES)		4.499E-04						4.499E-04

Test Area North 1991 Detail Data

Test Area North (TAN) Bar Graphs of Annual Data by Month	TAN-3
CY-1991 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
Report 158—TAN Solid Waste Summary, WERF Incinerator Processed Waste	TAN-12
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
TAN Facility Detail Data for Months January to June	
Annual Average Concentration and Total Curies for January to June	TAN-23
Report 155—TSF Exhaust Airborne Waste Summary	TAN-25
Report 151—TAN Liquid Waste Summary	TAN-26

Test Area North (TAN) Bar Graphs of Annual Data by Month

Test Area North (TAN) Monthly Details - CY-1991

TAN CY 1991 SHIPPED LOW LEVEL WASTE

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

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) CURIES % OF TOTAL		3.271E-15 5.210E-08 50.730	5.017E-16 8.630E-09 5.103			2.331E-15 3.960E-08 41.379	1.867E-15 2.950E-08 35.628	6.812E-16 1.298E-07 11.682	2.714E-22		
GROSS-BETA CONCEN (UC/ML) CURIES % OF TOTAL		1.594E-15 2.540E-08 24.732	5.343E-15 9.190E-08 54.337	1.037E-14 1.950E-07 87.366		3.067E-15 5.210E-08 54.441	1.342E-15 2.120E-08 25.604	3.804E-15 7.249E-07 65.226	1.515E-21		
SR-90 CONCEN (UC/ML) CURIES % OF TOTAL	1.059E+04	1.582E-15 2.520E-08 24.538	3.988E-15 6.860E-08 40.561	1.500E-15 2.820E-08 12.634	1.856E-15 3.340E-08 100.000	2.354E-16 4.000E-09 4.180	2.032E-15 3.210E-08 38.768	1.347E-15 2.566E-07 23.092	5.365E-22	9.00E-12	
TOTALS ALPHA CURIES % OF TOTAL B+G CURIES % OF TOTAL		5.210E-08 50.730 5.060E-08 49.270	8.630E-09 5.103 1.605E-07 94.897	2.232E-07 100.000 100.000	3.340E-08 100.000	5.610E-08 58.621	5.330E-08 64.372	9.815E-07 88.318			
VOLUME (CU. METERS)		1.593E+07	1.720E+07	1.880E+07	1.800E+07	1.699E+07	1.580E+07	1.906E+08			
GRAND TOTALS (CURIES)		1.027E-07	1.691E-07	2.232E-07	3.340E-08	9.570E-08	8.280E-08	1.111E-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: DCS value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA CONCN (UC/ML) CURIES % OF TOTAL		3.005E-09 1.490E-05 0.904	1.001E-09 5.310E-06 0.118	3.998E-09 4.410E-05 10.804				1.910E-09 1.719E-04 0.138		
GROSS-BETA CONCN (UC/ML) CURIES % OF TOTAL		2.198E-08 1.090E-04 6.612	2.600E-08 1.380E-04 3.074	2.801E-08 3.090E-04 75.698	4.199E-08 4.610E-04 86.427	3.702E-08 3.950E-04 100.000	2.123E-08 2.910E-04 12.217	2.373E-08 2.136E-03 1.717		
H-3 CONCN (UC/ML) CURIES % OF TOTAL	4.490E+03	3.005E-07 1.490E-03 90.380	8.008E-07 4.250E-03 94.680				8.972E-08 1.230E-03 51.637	1.343E-06 1.209E-01 97.166	2.00E-03	0.07
SR-90 CONCN (UC/ML) CURIES % OF TOTAL	1.059E+04	6.999E-09 3.470E-05 2.105	1.800E-08 9.550E-05 2.128	4.995E-09 5.510E-05 13.498	6.594E-09 7.240E-05 13.573		6.280E-08 8.610E-04 36.146	1.352E-08 1.217E-03 0.978	1.00E-06	1.35
TOTALS ALPHA CURIES % OF TOTAL B+G CURIES % OF TOTAL		1.490E-05 0.904 1.634E-03 99.096	5.310E-06 0.118 4.483E-03 99.882	4.410E-05 10.804 3.641E-04 89.196		3.950E-04 100.000 100.000	2.382E-03 100.000 100.000	1.719E-04 0.138 1.242E-01 99.862		
VOLUME (LITERS)		4.958E+06	5.307E+06	1.103E+07	1.098E+07	1.067E+07	1.371E+07	9.002E+07		
GRAND TOTALS (CURIES)		1.649E-03	4.489E-03	4.082E-04	5.334E-04	3.950E-04	2.382E-03	1.244E-01		

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

SCHED. NO. P61PM009-G

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

RUN DATE: 05/20/92

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TAN DISPOSED SOLID WASTE SUMMARY FOR JAN THROUGH DEC 1991								
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CO-60 CURIES % OF TOTAL	1.924E+03							1.048E-03 13.979
CS-137 CURIES % OF TOTAL	1.101E+04							6.451E-03 86.021
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								
% OF TOTAL								7.499E-03 100.000
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)								
WEIGHT (KILOGRAMS)								
GRAND TOTALS (CURIES)								
2.357E+01								
2.016E+04								
7.499E-03								

SCHED. NO. P61PM009-N

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

RUN DATE: 05/20/92

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TAN SOLID WASTE SUMMARY
WERF INCINERATOR PROCESSED WASTE
FROM JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
CO-60	1.924E+03	2.389E-04						2.389E-04
CURIES		29.534						29.534
% OF TOTAL								
CS-137	1.101E+04	5.700E-04						5.700E-04
CURIES		70.466						70.466
% OF TOTAL								

TOTALS

ALPHA CURIES
% OF TOTAL
B+G CURIES
% OF TOTAL

8.089E-04
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)

3.668E+01
1.470E+03

GRAND TOTALS (CURIES)

8.089E-04

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

SCHED. NO. P61PM009-C

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

TAN AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

RUN DATE: 05/21/92

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TAN-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) CURIES % OF TOTAL		9.132E-16 1.430E-08 36.203	2.592E-15 4.020E-08 76.718	3.085E-15 4.300E-08 100.000	3.634E-15 5.000E-08 81.037	1.226E-14 1.750E-07 98.909	1.141E-15 1.680E-08 54.369	3.862E-15 3.393E-07 83.896	1.539E-21		
SR-90 CONCEN (UC/ML) CURIES % OF TOTAL	1.059E+04	1.609E-15 2.520E-08 63.797	7.866E-16 1.220E-08 23.282	8.503E-16 1.170E-08 18.963	1.352E-16 1.930E-09 1.091	9.579E-16 1.410E-08 45.631	7.413E-16 6.513E-08 16.104	2.953E-22	9.00E-12		
TOTALS											
ALPHA CURIES % OF TOTAL											
B+G CURIES % OF TOTAL		3.950E-08 100.000	5.240E-08 100.000	4.300E-08 100.000	6.170E-08 100.000	1.769E-07 100.000	3.090E-08 100.000	4.044E-07 100.000			
VOLUME (CU. METERS)		1.566E+07	1.551E+07	1.394E+07	1.376E+07	1.427E+07	1.472E+07	8.786E+07			
GRAND TOTALS (CURIES)		3.950E-08	5.240E-08	4.300E-08	6.170E-08	1.769E-07	3.090E-08	4.044E-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: DCS value obtained from DOE ORDER 5400.5 dated February 8, 1990, Figures III-1 and III-3

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TAN-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	TOT CURIES	CG *	% OF CG
GROSS-ALPHA CONCEN (UC/ML) CURIES % OF TOTAL		9.992E-10 6.050E-06 6.325			3.996E-09 2.220E-05 0.783	8.007E-10 4.270E-06 0.030	1.341E-08 7.510E-05 0.081	3.225E-09 1.076E-04 0.094		
GROSS-BETA CONCEN (UC/ML) CURIES % OF TOTAL		1.100E-08 6.660E-05 69.629	8.520E-09 5.220E-05 100.000	3.001E-09 1.410E-05 0.329	5.004E-09 2.780E-05 0.980	1.101E-08 5.870E-05 0.406	3.822E-08 2.140E-04 0.231	1.299E-08 4.534E-04 0.378		
H-3 CONCEN (UC/ML) CURIES % OF TOTAL	4.490E+03			9.004E-07 4.230E-03 98.620	5.005E-07 2.780E-03 98.022	2.700E-06 1.440E-02 99.517	1.652E-05 9.250E-02 99.670	3.414E-06 1.139E-01 99.442	2.00E-03	0.17
SR-90 CONCEN (UC/ML) CURIES % OF TOTAL	1.059E+04	3.799E-09 2.300E-05 24.046		9.600E-09 4.510E-05 1.051	1.100E-09 6.110E-06 0.215	1.299E-09 6.930E-06 0.048	3.090E-09 1.730E-05 0.019	2.950E-09 9.844E-05 0.086	1.00E-06	0.30
TOTALS ALPHA CURIES % OF TOTAL B+G CURIES % OF TOTAL		6.050E-06 6.325 8.960E-05 93.675			2.220E-05 0.783 2.814E-03 99.217	4.270E-06 0.030 1.447E-02 99.970	7.510E-05 0.081 9.273E-02 99.919	1.076E-04 0.094 1.144E-01 99.906		
VOLUME (LITERS)		6.055E+06	6.127E+06	4.698E+06	5.555E+06	5.333E+06	5.599E+06	3.337E+07		
GRAND TOTALS (CURIES)		9.565E-05	5.220E-05	4.289E-03	2.836E-03	1.447E-02	9.281E-02	1.145E-01		

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

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

RUN DATE: 05/20/92

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

SCHED. NO. P61PM009-D

TSF EXHAUST AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

PAGE 1 RPT. 155
TAN-A

YEARLY
RELEASE
% OF CG

ANNUAL
AVG CONCEN/
TOT CURIES

DECEMBER

NOVEMBER

OCTOBER

SEPTEMBER

AUGUST

JULY

HALF LIFE
(DAYS)

NUCLIDES

GROSS-ALPHA

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

6.812E-16 2.714E-22

3.960E-08 1.298E-07

2.331E-15 1.867E-15

3.960E-08 2.950E-08

2.310E-08 7.540E-08

11.682

GROSS-BETA

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

3.067E-15 1.342E-15

5.210E-08 2.120E-08

6.140E-08 1.300E-07

65.226

SR-90 1.059E+04

CONCEN (UC/ML)

CURIES

UNCERT(CURIES)

UNCERT(UC/ML)

% OF TOTAL

1.582E-15 3.988E-15

2.520E-08 6.860E-08

1.360E-08 7.290E-09

23.092

TOTALS

ALPHA CURIES

% OF TOTAL

B+G CURIES

% OF TOTAL

3.960E-08 2.950E-08

41.379 35.628

5.610E-08 5.330E-08

58.621 64.372

88.318

1.906E+08

VOLUME (CU. METERS)

1.593E+07 1.720E+07

1.800E+07 1.880E+07

2.232E-07 2.232E-07

3.340E-08 3.340E-08

9.570E-08 8.280E-08

1.111E-06

1.580E+07 1.580E+07

38.768 23.092

9.00E-12

* 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

SCHED. NO. P6IPH009-F

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

TAN LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

RUN DATE: 05/20/92

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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)		3.005E-09	1.001E-09	3.998E-09				1.910E-09		
CURIES		1.490E-05	5.310E-06	4.410E-05				1.719E-04		
UNCERT(CURIES)		4.960E-06	5.310E-06	2.210E-05						
UNCERT(UC/ML)								0.138		
% OF TOTAL		0.904	0.118	10.804						
GROSS-BETA										
CONCEN (UC/ML)		2.198E-08	2.600E-08	2.801E-08	4.199E-08	3.702E-08	2.123E-08	2.373E-08		
CURIES		1.090E-04	1.380E-04	3.090E-04	4.610E-04	3.950E-04	2.910E-04	2.136E-03		
UNCERT(CURIES)		1.980E-05	2.650E-05	5.510E-05	7.680E-05	6.400E-05	5.300E-05			
UNCERT(UC/ML)										
% OF TOTAL		6.612	3.074	75.698	86.427	100.000	12.217	1.717		
H-3	4.490E+03									0.07
CONCEN (UC/ML)		3.005E-07	8.008E-07				8.972E-08	1.343E-06	2.00E-03	
CURIES		1.490E-03	4.250E-03				1.230E-03	1.209E-01		
UNCERT(CURIES)		9.920E-04	1.060E-03				1.720E-05			
UNCERT(UC/ML)							51.637	97.166		
% OF TOTAL		90.380	94.680							
SR-90	1.059E+04									1.35
CONCEN (UC/ML)		6.999E-09	1.800E-08	4.995E-09	6.594E-09		6.280E-08	1.352E-08	1.00E-06	
CURIES		3.470E-05	9.550E-05	5.510E-05	7.240E-05		8.610E-04	1.217E-03		
UNCERT(CURIES)		2.480E-06	5.310E-06	1.100E-05	6.590E-06		5.300E-05			
UNCERT(UC/ML)										
% OF TOTAL		2.105	2.128	13.498	13.573		36.146	0.978		
TOTALS										
ALPHA CURIES		1.490E-05	5.310E-06	4.410E-05				1.719E-04		
% OF TOTAL		0.904	0.118	10.804				0.138		
B+6 CURIES		1.634E-03	4.483E-03	3.641E-04	5.334E-04	3.950E-04	2.382E-03	1.242E-01		
% OF TOTAL		99.096	99.882	89.196	100.000	100.000	100.000	99.862		
VOLUME (LITERS)		4.958E+06	5.307E+06	1.103E+07	1.098E+07	1.067E+07	1.371E+07	9.002E+07		
GRAND TOTALS (CURIES)		1.649E-03	4.489E-03	4.082E-04	5.334E-04	3.950E-04	2.382E-03	1.244E-01		

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

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

SCHED. NO. P61PH009-D

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

RUN DATE: 05/21/92

TSF EXHAUST AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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
GROSS-BETA											
CONCEN (UC/ML)		9.132E-16	2.592E-15	3.085E-15	3.634E-15	1.226E-14	1.141E-15	3.862E-15	1.539E-21		
CURIES		1.430E-08	4.020E-08	4.300E-08	5.000E-08	1.750E-07	1.680E-08	3.393E-07			
UNCERT(CURIES)		7.320E-08	4.370E-08	6.320E-08	3.860E-08	4.220E-08	4.080E-08				
UNCERT(UC/ML)											
% OF TOTAL		36.203	76.718	100.000	81.037	98.909	54.369	83.89%			
SR-90	1.059E+04										
CONCEN (UC/ML)		1.609E-15	7.866E-16		8.503E-16	1.352E-16	9.579E-16	7.413E-16	2.953E-22	9.00E-12	
CURIES		2.520E-08	1.220E-08		1.170E-08	1.930E-09	1.410E-08	6.513E-08			
UNCERT(CURIES)		6.280E-09	4.970E-09		4.980E-09	6.480E-09	6.180E-09				
UNCERT(UC/ML)											
% OF TOTAL		63.797	23.282		18.963	1.091	45.631	16.104			

TOTALS

ALPHA CURIES

% OF TOTAL

B+G CURIES

% OF TOTAL

VOLUME (CU. METERS)

GRAND TOTALS (CURIES)

* 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: 05/21/92

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TAN-LTAN LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
GROSS-ALPHA										
CONCEN (UC/ML)		9.992E-10		3.996E-09	8.007E-10	1.341E-08	3.225E-09			
CURIES		6.050E-06		2.220E-05	4.270E-06	7.510E-05	1.076E-04			
UNCERT(CURIES)		1.210E-05		5.550E-06	5.330E-07	1.730E-05				
UNCERT(UC/ML)		6.325		0.783	0.030	0.081	0.094			
% OF TOTAL										
GROSS-BETA										
CONCEN (UC/ML)		1.100E-08	8.520E-09	3.001E-09	5.004E-09	1.101E-08	3.822E-08	1.299E-08		
CURIES		6.660E-05	5.220E-05	1.410E-05	2.780E-05	5.870E-05	2.140E-04	4.334E-04		
UNCERT(CURIES)		3.030E-05	1.960E-05	1.410E-05	1.110E-05	1.600E-05	3.470E-05			
UNCERT(UC/ML)		69.629	100.000	0.329	0.980	0.406	0.231	0.378		
% OF TOTAL										
H-3										
CONCEN (UC/ML)	4.490E+03			9.004E-07	5.005E-07	2.700E-06	1.652E-05	3.414E-06	2.00E-03	0.17
CURIES				4.230E-03	2.780E-03	1.440E-02	9.250E-02	1.139E-01		
UNCERT(CURIES)				2.350E-03	1.670E-03	3.200E-03	5.780E-03			
UNCERT(UC/ML)				98.620	98.022	99.517	99.670	99.442		
% OF TOTAL										
SR-90										
CONCEN (UC/ML)	1.059E+04	3.799E-09		9.600E-09	1.100E-09	1.299E-09	3.090E-09	2.950E-09	1.00E-06	0.30
CURIES		2.300E-05		4.510E-05	6.110E-06	6.930E-06	1.730E-05	9.844E-05		
UNCERT(CURIES)		2.420E-06		4.230E-05	2.780E-06	1.600E-06	2.310E-06			
UNCERT(UC/ML)		24.046		1.051	0.215	0.048	0.019	0.086		
% OF TOTAL										
TOTALS										
ALPHA CURIES		6.050E-06		2.220E-05	4.270E-06	7.510E-05	1.076E-04			
% OF TOTAL		6.325		0.783	0.030	0.081	0.094			
B+G CURIES		8.960E-05	5.220E-05	4.289E-03	2.814E-03	1.447E-02	9.273E-02	1.144E-01		
% OF TOTAL		93.675	100.000	100.000	99.217	99.970	99.919	99.906		
VOLUME (LITERS)		6.055E+06	6.127E+06	4.698E+06	5.555E+06	5.333E+06	5.599E+06	3.337E+07		
GRAND TOTALS (CURIES)		9.565E-05	5.220E-05	4.289E-03	2.836E-03	1.447E-02	9.281E-02	1.145E-01		

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

Test Reactor Area 1991 Detail Data

Test Reactor Area (TRA) Bar Graphs of Annual Data by Month	TRA-3
CY-1991 Bar Graphs	TRA-5
TRA Detail Data for Months July to December	
Annual Average Concentration and Total Curies for January to December	TRA-7
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Test Reactor Area (TRA) Bar Graphs of Annual Data by Month

Test Reactor Area (TRA) Monthly Details - CY-1991

TRA CY 1991 SHIPPED LOW LEVEL WASTE

AIM

Association for Information and Image Management

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Centimeter

Inches

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

RUN DATE: 05/20/92

IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
TRA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL			PAGE	1 RPT. 104
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG** % OF CG		
AR-41	7.625E-02	3.409E-06	1.489E-08	2.837E-06	2.273E-06	1.667E-06	3.126E-06	2.556E-06	7.046E-13	1.00E-08	0.01	TRA-A
		3.156E+02	1.401E+00	2.719E+02	2.137E+02	1.634E+02	2.959E+02	2.914E+03				
		92.751	9.130	93.290	93.271	92.662	92.220	88.738				
AS-76	1.096E+00							1.327E-14	3.658E-21	4.00E-09		TRA-A
								1.513E-05				
BA-139	5.771E-02	5.055E-11	5.764E-11	5.524E-03	1.792E-11	1.395E-11	5.126E-11	5.648E-11	1.557E-17	7.00E-08		TRA-A
		4.680E-03	0.001	0.002	1.685E-03	1.368E-03	4.853E-03	6.439E-02				
		0.001	0.001	0.001	0.001	0.001	0.002	0.002				
BA-140	1.276E+01							7.959E-15	2.194E-21	3.00E-09		TRA-A
								9.073E-06				
CE-141	3.250E+01							1.062E-15	2.928E-22	1.00E-09		TRA-A
								1.211E-06				
CO-58	7.091E+01							6.160E-16	1.698E-22	2.00E-09		TRA-A
								7.022E-07				
CO-60	1.924E+03	5.428E-14	7.437E-14	3.965E-14	4.709E-14	4.982E-14	2.630E-14	5.276E-14	1.454E-20	8.00E-11		TRA-A
		5.026E-06	6.996E-06	3.800E-06	4.428E-06	4.884E-06	2.490E-06	6.015E-05				
CR-51	2.770E+01	1.124E-11	1.590E-12	4.707E-12	1.083E-11	2.963E-12	4.970E-12	6.701E-12	1.847E-18	5.00E-08		TRA-A
		1.041E-03	1.496E-04	4.511E-04	1.018E-03	2.905E-04	4.705E-04	7.639E-03				
			0.001									
CS-137	1.101E+04	2.342E-14	6.481E-15	4.539E-15	1.010E-14	2.004E-14		1.199E-14	3.306E-21	4.00E-10		TRA-A
		2.168E-06	6.097E-07	4.350E-07	9.502E-07	1.965E-06		1.367E-05				

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TRA AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991												PAGE	2 RPT. 104
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL		CG**	TRA-A YEARLY RELEASE % OF CG		
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*				
CS-138													
CONCEN (UC/ML)	2.236E-02	6.696E-10	8.508E-10	8.508E-10	2.813E-10	1.865E-10	6.022E-10	8.604E-10	2.372E-16	8.00E-09			
CURIES		6.200E-02	8.153E-02	8.153E-02	2.645E-02	1.828E-02	5.701E-02	9.809E-01					
% OF TOTAL		0.018	0.028	0.028	0.012	0.010	0.018	0.030					
GROSS-ALPHA													
CONCEN (UC/ML)		4.522E-16	3.102E-15	5.340E-16	2.663E-16	1.673E-16	3.487E-16	7.731E-16	2.131E-22				
CURIES		4.187E-08	2.918E-07	5.117E-08	2.504E-08	1.640E-08	3.301E-08	8.813E-07					
% OF TOTAL													
GROSS-BETA													
CONCEN (UC/ML)		4.795E-13	1.429E-14	6.538E-13	6.740E-13	4.092E-13	3.874E-13	6.901E-13	1.902E-19				
CURIES		4.439E-05	1.345E-06	6.265E-05	6.338E-05	4.012E-05	3.668E-05	7.868E-04					
% OF TOTAL													
HG-203													
CONCEN (UC/ML)	4.659E+01	8.488E-13	1.666E-13	2.394E-13	2.885E-13	1.383E-13	1.521E-13	3.074E-13	8.473E-20	2.00E-09			
CURIES		7.859E-05	1.567E-05	2.294E-05	2.713E-05	1.356E-05	1.440E-05	3.504E-04					
% OF TOTAL													
I-131													
CONCEN (UC/ML)	8.040E+00	2.148E-13	2.151E-14	8.510E-14	1.041E-13	5.703E-14	8.645E-14	3.977E-13	1.096E-19	4.00E-10			
CURIES		1.989E-05	2.023E-06	8.155E-06	9.791E-06	5.591E-06	8.184E-06	4.534E-04					
% OF TOTAL													
I-132													
CONCEN (UC/ML)	9.500E-02			1.693E-11				1.423E-12	3.922E-19	8.00E-09			
CURIES				1.622E-03				1.622E-03					
% OF TOTAL				0.001									
I-133													
CONCEN (UC/ML)	8.667E-01	9.026E-13		4.246E-13	9.516E-13			5.558E-13	1.532E-19	2.00E-09			
CURIES		8.357E-05		4.069E-05	8.949E-05			6.336E-04					
% OF TOTAL													
IR-192													
CONCEN (UC/ML)	7.383E+01		1.424E-15					7.198E-15	1.984E-21	5.00E-10			
CURIES			1.340E-07					8.206E-06					
% OF TOTAL													
KR-85M													
CONCEN (UC/ML)	1.867E-01	1.281E-08		9.976E-09	7.685E-09	5.473E-09	1.112E-08	1.472E-08	4.056E-15	1.00E-07			
CURIES		1.186E+00		9.560E-01	7.227E-01	5.365E-01	1.053E+00	1.678E+01					
% OF TOTAL		0.349		0.328	0.315	0.304	0.328	0.511					

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TRA-A
YEARLY
RELEASE
% OF CG

TRA AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**
KR-87	5.278E+02	3.822E-08 3.539E+00 1.040	1.603E-08 1.508E+00 9.827	2.991E-08 2.866E+00 0.983	2.710E-08 2.548E+00 1.112	1.572E-08 1.541E+00 0.874	3.555E-08 3.365E+00 1.049	4.579E-08 5.221E+01 1.590	1.262E-14	2.00E-08
KR-88	1.183E+01	2.998E-08 2.776E+00 0.816	1.995E-08 1.877E+00 12.232	2.316E-08 2.219E+00 0.761	1.771E-08 1.665E+00 0.727	1.753E-08 1.718E+00 0.974	3.377E-08 3.197E+00 0.996	4.499E-08 5.129E+01 1.562	1.240E-14	9.00E-09
LA-140	1.678E+00							2.004E-14 2.285E-05	5.525E-21	3.00E-09
MN-54	3.122E+02	1.867E-14 1.729E-06	6.000E-15 5.644E-07	1.435E-14 1.375E-06				5.467E-15 6.232E-06	1.507E-21	2.00E-09
MN-56	1.075E+01							1.090E-13 1.243E-04	3.005E-20	1.00E-08
NA-24	6.237E+01	8.692E-12 8.048E-04	8.595E-12 8.237E-04	3.889E-12 3.657E-04	8.093E-13 7.934E-05	3.949E-12 3.738E-04	5.025E-12 5.729E-03		1.385E-18	4.00E-09
NB-95	3.498E+01	3.381E-14 3.130E-06						2.746E-15 3.130E-06	7.568E-22	3.00E-09
OS-191	1.540E+01	7.374E-13 6.827E-05	4.331E-13 4.150E-05	9.211E-13 8.662E-05	4.777E-13 4.683E-05	1.507E-12 1.427E-04	7.052E-13 8.039E-04		1.944E-19	3.00E-09
RB-88	1.229E+02	5.615E-10 5.199E-02 0.015	6.993E-10 6.701E-02 0.023	2.752E-10 2.588E-02 0.011	1.599E-10 1.568E-02 0.009	4.274E-10 4.046E-02 0.013	8.495E-10 9.684E-01 0.029		2.341E-16	3.00E-08

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TRA AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991											PAGE	4 RPT. 104
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL		CG**	TRA-A YEARLY RELEASE % OF CG	
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*			
RB-89	1.056E-02											
CONCEN (UC/ML)		6.014E-10		8.279E-10	2.851E-10	1.444E-10	5.413E-10	9.135E-10	2.518E-16	9.00E-09		
CURIES		5.568E-02		7.934E-02	2.681E-02	1.416E-02	5.124E-02	1.041E+00				
% OF TOTAL		0.016		0.027	0.012	0.008	0.016	0.032				
RE-188	7.075E-01											
CONCEN (UC/ML)		1.337E-12		5.750E-13	6.940E-13		1.899E-13	3.418E-13	9.422E-20	6.00E-09		
CURIES		1.238E-04		5.510E-05	6.526E-05		1.798E-05	3.897E-04				
% OF TOTAL												
SB-127	3.840E+00											
CONCEN (UC/ML)		9.838E-14										
CURIES		9.109E-06										
% OF TOTAL												
SR-90	1.059E+04											
CONCEN (UC/ML)		2.577E-15		7.763E-16	4.028E-15	1.759E-15	1.314E-14	5.068E-15	1.397E-21	9.00E-12		
CURIES		2.386E-07		7.439E-08	3.788E-07	1.724E-07	1.244E-06	5.778E-06				
% OF TOTAL												
TC-99M	2.504E-01											
CONCEN (UC/ML)		6.777E-12	1.947E-13	4.499E-12	3.785E-12	6.122E-13	3.491E-12	3.781E-12	1.042E-18	1.00E-07		
CURIES		6.275E-04	1.832E-05	4.311E-04	3.559E-04	6.001E-05	3.305E-04	4.310E-03				
% OF TOTAL												
XE-133	5.250E+00											
CONCEN (UC/ML)												
CURIES												
% OF TOTAL												
XE-135	3.792E-01											
CONCEN (UC/ML)		4.107E-08	2.378E-08	3.447E-08	2.357E-08	2.193E-08	4.182E-08	4.790E-08	1.320E-14	8.00E-08		
CURIES		3.803E+00	2.237E+00	3.303E+00	2.216E+00	2.150E+00	3.959E+00	5.460E+01				
% OF TOTAL		1.118	14.578	1.133	0.967	1.219	1.234	1.663				
XE-135M	1.062E-02											
CONCEN (UC/ML)		2.361E-08	4.179E-09	1.723E-08	1.142E-08	1.330E-08	2.376E-08	2.483E-08	6.843E-15	5.00E-08		
CURIES		2.186E+00	3.931E-01	1.651E+00	1.074E+00	1.304E+00	2.249E+00	2.830E+01				
% OF TOTAL		0.642	2.562	0.566	0.469	0.739	0.701	0.862				
XE-138	9.792E-03											
CONCEN (UC/ML)		1.188E-07	8.429E-08	8.688E-08	7.192E-08	5.753E-08	1.060E-07	1.306E-07	3.600E-14	2.00E-08		
CURIES		1.100E+01	7.929E+00	8.326E+00	6.763E+00	5.640E+00	1.003E+01	1.489E+02				
% OF TOTAL		3.233	51.671	2.857	2.952	3.198	3.126	4.534				

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FOR JAN THROUGH DEC 1991

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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**
Y-91M	3.451E+02									
CONCEN (UC/ML)		1.945E-12		2.530E-12			2.526E-12	1.050E-12	2.895E-19	4.00E-08
CURIES		1.801E-04		2.425E-04			2.591E-04	1.197E-03		
% OF TOTAL										
ZN-65	2.438E+02									
CONCEN (UC/ML)							8.968E-15	7.447E-16	2.053E-22	6.00E-10
CURIES							8.490E-07	8.490E-07		
% OF TOTAL										
ZR-95	6.403E+01									
CONCEN (UC/ML)		7.377E-15							1.651E-22	6.00E-10
CURIES		6.830E-07							6.830E-07	
% OF TOTAL										

TOTALS										
ALPHA CURIES		4.187E-08	2.918E-07	5.117E-08	2.504E-08	1.640E-08	3.301E-08	8.813E-07		
% OF TOTAL										
B+G CURIES		3.403E+02	1.535E+01	2.915E+02	2.291E+02	1.763E+02	3.209E+02	3.284E+03		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	99.999		
VOLUME (CU. METERS)		9.259E+07	9.407E+07	9.583E+07	9.404E+07	9.803E+07	9.467E+07	1.140E+09		
GRAND TOTALS (CURIES)		3.403E+02	1.535E+01	2.915E+02	2.291E+02	1.763E+02	3.209E+02	3.284E+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

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
AG-110M CONCEN (UC/ML) CURIES % OF TOTAL	2.498E+02							1.343E-08 1.326E-03 0.001	1.00E-05	0.13
CE-141 CONCEN (UC/ML) CURIES % OF TOTAL	3.250E+01	2.240E-07 1.973E-03 0.010						6.844E-08 6.755E-03 0.004	5.00E-05	0.14
CE-144 CONCEN (UC/ML) CURIES % OF TOTAL	2.844E+02						1.650E-07 1.127E-03 0.006	6.611E-08 6.524E-03 0.004	7.00E-06	0.94
CO-60 CONCEN (UC/ML) CURIES % OF TOTAL	1.924E+03	7.500E-07 6.606E-03 0.033	1.730E-06 1.691E-02 0.372	3.930E-07 3.511E-03 0.029	1.410E-07 1.070E-03 0.007	2.000E-07 1.715E-03 0.012	1.920E-07 1.312E-03 0.007	4.962E-07 4.897E-02 0.030	5.00E-06	9.92
CR-51 CONCEN (UC/ML) CURIES % OF TOTAL	2.770E+01	2.170E-05 1.911E-01 0.951	5.850E-05 5.718E-01 12.577	1.090E-05 9.737E-02 0.794	6.360E-06 4.827E-02 0.322	2.330E-05 1.998E-01 1.383	2.670E-05 1.824E-01 1.039	2.512E-05 2.479E+00 1.499	1.00E-03	2.51
CS-137 CONCEN (UC/ML) CURIES % OF TOTAL	1.101E+04							2.190E-08 2.162E-03 0.001	3.00E-06	0.73
GROSS-BETA CONCEN (UC/ML) CURIES % OF TOTAL		5.700E-06 5.021E-02 0.250	1.400E-05 1.369E-01 3.010	2.000E-06 1.787E-02 0.146	8.000E-07 6.072E-03 0.040	1.500E-06 1.286E-02 0.089	2.600E-06 1.776E-02 0.101	3.728E-06 3.679E-01 0.223		
H-3 CONCEN (UC/ML) CURIES % OF TOTAL	4.490E+03	2.250E-03 1.982E+01 98.583	3.900E-04 3.812E+00 83.846	1.360E-03 1.215E+01 99.021	1.970E-03 1.495E+01 99.631	1.660E-03 1.423E+01 98.516	2.540E-03 1.735E+01 98.840	1.645E-03 1.624E+02 98.196	2.00E-03	82.26
HF-181 CONCEN (UC/ML) CURIES % OF TOTAL	4.240E+01	1.030E-06 9.072E-03 0.045	5.000E-07 4.887E-03 0.107					1.598E-07 1.577E-02 0.010	3.00E-05	0.53

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
I-131	8.04E+00							1.284E-07	3.00E-06	4.28
CONCEN (UC/ML)								1.267E-02		
CURIES								0.008		
% OF TOTAL										
MO-99	2.747E+00							3.746E-08	3.00E-05	0.12
CONCEN (UC/ML)								3.697E-03		
CURIES								0.002		
% OF TOTAL										
NB-95	3.498E+01							7.079E-08	6.00E-05	0.12
CONCEN (UC/ML)		6.300E-07	1.470E-07					6.986E-03		
CURIES		5.549E-03	1.437E-03					0.004		
% OF TOTAL		0.028	0.032							
RE-188	7.075E-01							2.095E-08	5.00E-05	0.04
CONCEN (UC/ML)								2.068E-03		
CURIES								0.001		
% OF TOTAL										
RU-103	3.924E+01							6.346E-08	5.00E-05	0.13
CONCEN (UC/ML)		7.110E-07						6.262E-03		
CURIES		6.262E-03						0.004		
% OF TOTAL		0.031								
SR-90	1.059E+04							1.570E-07	1.00E-06	1.09
CONCEN (UC/ML)								1.073E-03		
CURIES								0.006		
% OF TOTAL										
W-187	9.958E-01			1.560E-07				1.412E-08	5.00E-05	0.03
CONCEN (UC/ML)				1.394E-03				1.394E-03		
CURIES				0.011				0.001		
% OF TOTAL										
ZN-65	2.438E+02							4.173E-08	9.00E-06	0.46
CONCEN (UC/ML)		1.360E-07						4.118E-03		
CURIES		1.198E-03						0.002		
% OF TOTAL		0.006								
ZR-95	6.403E+01							1.569E-07	4.00E-05	0.39
CONCEN (UC/ML)		1.470E-06	2.600E-07					1.549E-02		
CURIES		1.295E-02	2.541E-03					0.009		
% OF TOTAL		0.064	0.056							

SCHED. NO. P61PM009-E

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

RUN DATE: 05/20/92

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TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		2.010E+01	4.547E+00	1.227E+01	1.501E+01	1.445E+01	1.756E+01	1.653E+02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (LITERS)		8.808E+06	9.775E+06	8.933E+06	7.590E+06	8.573E+06	6.832E+06	9.869E+07		
GRAND TOTALS (CURIES)		2.010E+01	4.547E+00	1.227E+01	1.501E+01	1.445E+01	1.756E+01	1.653E+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.

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

TRA DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AM-241 CURIES % OF TOTAL GRAMS	1.577E+05							3.256E-06 9.465E-07
BA-140 CURIES % OF TOTAL	1.276E+01	2.500E-03 0.019	5.300E-02 0.163			4.400E-03 0.005		6.060E-02 0.002
BR-82 CURIES % OF TOTAL	1.471E+00							1.000E-03
CD-109 CURIES % OF TOTAL	4.623E+02				1.090E-02 0.060			1.090E-02
CE-141 CURIES % OF TOTAL	3.250E+01		1.480E-01 0.454		3.100E-03 0.017			1.706E-01 0.007
CE-144 CURIES % OF TOTAL	2.844E+02	1.300E-03 0.010	6.679E-01 2.049	1.000E-03	3.200E-03 0.018			7.715E-01 0.032
CO-57 CURIES % OF TOTAL	2.718E+02							1.800E-03
CO-58 CURIES % OF TOTAL	7.091E+01	1.430E-02 0.106	6.442E-01 1.977		3.170E-02 0.175	2.580E-02 0.030		1.187E+00 0.049
CO-60 CURIES % OF TOTAL	1.924E+03	2.172E-01 1.618	2.579E+00 7.913	3.990E+00 0.331	2.730E-01 1.508	1.917E+01 22.132	3.930E+02 41.061	4.213E+02 17.339
CR-51 CURIES % OF TOTAL	2.770E+01	1.295E+01 96.445	2.678E+01 82.183	8.601E+01 7.136	1.764E+01 97.466	2.145E+00 2.476		2.050E+02 8.437
CS-134 CURIES % OF TOTAL	7.537E+02	4.400E-03 0.033	3.490E-02 0.107	3.701E-03	2.900E-03 0.016	1.800E-03 0.002		1.691E+00 0.070
CS-137 CURIES % OF TOTAL	1.101E+04	7.600E-03 0.057	6.280E-02 0.193	1.470E-01 0.012	1.130E-02 0.062	4.400E-03 0.005		5.190E+01 2.136

IDAHO OPERATIONS OFFICE
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TRA DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
EU-152 CURIES % OF TOTAL	4.891E+03			1.601E-03				2.305E-03
EU-154 CURIES % OF TOTAL	3.103E+03		9.480E-02 0.291	1.600E-03				4.353E-01 0.018
EU-155 CURIES % OF TOTAL	1.727E+03							1.045E-01 0.004
FE-55 CURIES % OF TOTAL	9.782E+02			1.736E+02 14.404		5.160E+01 59.571	4.323E+02 45.167	6.575E+02 27.057
FE-59 CURIES % OF TOTAL	4.451E+01		1.300E-03 0.004	8.000E-01 0.066				8.020E-01 0.033
H-3 CURIES % OF TOTAL	4.490E+03	3.000E-03 0.022	3.800E-03 9.012	1.300E-03		1.130E-02 0.013		2.820E-02 0.001
HF-175 CURIES % OF TOTAL	7.000E+01		4.090E-02 0.126					4.090E-02 0.002
HF-181 CURIES % OF TOTAL	4.240E+01	1.700E-03 0.013	7.780E-02 0.239		1.560E-02 0.086	8.800E-03 0.010		1.410E-01 0.006
I-131 CURIES % OF TOTAL	8.040E+00	3.640E-02 0.271	4.100E-03 0.013		1.500E-03 0.008	4.000E-04		5.680E-02 0.002
I-132 CURIES % OF TOTAL	9.500E-02	1.600E-03 0.012						4.460E-02 0.002
K-40 CURIES % OF TOTAL	4.709E+11		4.300E-03 0.013					4.300E-03
LA-140 CURIES % OF TOTAL	1.678E+00	2.200E-03 0.016	5.990E-02 0.184		3.000E-04 0.002	6.200E-03 0.007		7.750E-02 0.003

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

SCHED. NO. P61PM009-G

TRA DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
NI-54 CURIES % OF TOTAL	3.122E+02	9.100E-03 0.068	2.751E-01 0.844	3.300E+01 2.738	1.780E-02 0.098	9.100E-03 0.011	1.703E+01 1.779	5.053E+01 2.079
NI-95 CURIES % OF TOTAL	3.498E+01	4.600E-03 0.034	5.520E-02 0.169		1.750E-02 0.097	1.700E-03 0.002		1.039E-01 0.004
NI-63 CURIES % OF TOTAL	3.650E+04			8.900E-01 0.074		2.000E+00 2.309	6.513E+01 6.804	6.802E+01 2.799
PR-104 CURIES % OF TOTAL	1.200E-02							9.500E-02 0.004
RU-103 CURIES % OF TOTAL	3.924E+01	2.200E-03 0.016	1.240E-02 0.038		1.800E-03 0.010	2.000E-04		1.890E-02 0.001
SB-124 CURIES % OF TOTAL	6.020E+01	1.200E-03 0.009				1.100E-03 0.001		5.400E-03
SB-125 CURIES % OF TOTAL	1.007E+03			2.100E+01 1.742			4.000E+00 0.418	2.500E+01 1.029
SC-46 CURIES % OF TOTAL	8.382E+01	3.000E-04 0.002	1.300E-02 0.040	4.940E+01 4.099	1.200E-03 0.007		5.500E-01 0.057	4.998E+01 2.057
SE-75 CURIES % OF TOTAL	1.198E+02	2.000E-03 0.015			4.000E-03 0.022	4.000E-04		2.000E-02 0.001
SN-113 CURIES % OF TOTAL	1.151E+02			1.800E+01 1.494				1.800E+01 0.761
SN-117M CURIES % OF TOTAL	1.360E+01			1.120E+02 9.293				1.120E+02 4.609
SR-89 CURIES % OF TOTAL	5.052E+01							9.000E-04

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TRA DISPOSED SOLID WASTE SUMMARY FOR JAN THROUGH DEC 1991								
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
SR-90 CURIES	1.059E+04	9.000E-03	2.439E-01	6.510E-02	1.280E-02	1.000E-03		3.584E-01
% OF TOTAL		0.067	0.748	0.005	0.071	0.001		0.015
TA-182 CURIES	1.145E+02				1.400E-03			1.600E-03
% OF TOTAL					0.008			
TE-125M CURIES	5.800E+01						1.000E+00	1.000E+00
% OF TOTAL							0.104	0.041
ZN-65 CURIES	2.438E+02	1.547E-01	6.526E-01	7.063E+02	3.820E-02	1.163E+01	4.411E+01	7.634E+02
% OF TOTAL		1.152	2.002	58.604	0.211	13.423	4.609	31.415
ZR-95 CURIES	6.403E+01	2.000E-03	7.810E-02		1.060E-02			1.055E-01
% OF TOTAL		0.015	0.240		0.059			0.004
TOTALS								
ALPHA CURIES								3.256E-06
% OF TOTAL								
B+G CURIES		1.343E+01	3.259E+01	1.205E+03	1.810E+01	8.662E+01	9.571E+02	2.430E+03
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000
TOTAL GRAMS OF AM								
TOTAL GRAMS OF AM								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)		5.374E+00	1.132E+01	1.093E+01	5.945E+00	6.709E+00	1.528E+00	7.215E+01
WEIGHT (KILOGRAMS)		6.350E+03	1.270E+04	7.924E+03	6.350E+03	6.531E+03	3.628E+02	7.379E+04
GRAND TOTALS (CURIES)		1.343E+01	3.259E+01	1.205E+03	1.810E+01	8.662E+01	9.571E+02	2.430E+03

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

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TRA SOLID WASTE SUMMARY
MERF INCINERATOR PROCESSED WASTE
FROM JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AG-110M CURIES % OF TOTAL	2.498E+02							7.193E-03 0.142
BA-140 CURIES % OF TOTAL	1.276E+01							7.193E-02 1.421
CE-141 CURIES % OF TOTAL	3.250E+01							6.464E-03 0.128
CO-58 CURIES % OF TOTAL	7.091E+01							9.586E-02 1.894
CO-60 CURIES % OF TOTAL	1.924E+03							2.887E+00 57.033
CR-51 CURIES % OF TOTAL	2.770E+01							9.586E-01 18.937
CS-134 CURIES % OF TOTAL	7.537E+02							9.626E-03 0.190
CS-137 CURIES % OF TOTAL	1.101E+04							7.193E-02 1.421
EU-152 CURIES % OF TOTAL	4.891E+03							2.370E-02 0.468
EU-154 CURIES % OF TOTAL	3.103E+03							1.508E-02 0.298
FE-59 CURIES % OF TOTAL	4.451E+01							5.994E-02 1.184
HF-181 CURIES % OF TOTAL	4.240E+01							3.058E-01 6.042
I-131 CURIES % OF TOTAL	8.040E+00							2.122E-03 0.042
IR-192 CURIES % OF TOTAL	7.383E+01							1.904E-03 0.038
LA-140 CURIES % OF TOTAL	1.678E+00							6.213E-03 0.123
MN-54 CURIES % OF TOTAL	3.122E+02							9.586E-02 1.894

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

RUN DATE: 05/20/92

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TRA SOLID WASTE SUMMARY

NUCLIDES	HALF LIFE (DAYS)	MERF INCINERATOR PROCESSED WASTE FROM JAN THROUGH DEC 1991						ANNUAL TOTAL
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
NB-95 CURIES % OF TOTAL	3.498E+01							9.586E-02 1.894
RU-103 CURIES % OF TOTAL	3.924E+01							4.795E-03 0.095
SB-124 CURIES % OF TOTAL	6.020E+01							3.094E-03 0.061
SB-125 CURIES % OF TOTAL	1.007E+03							1.438E-02 0.284
SC-46 CURIES % OF TOTAL	8.382E+01							2.398E-01 4.736
TA-182 CURIES % OF TOTAL	1.145E+02							6.464E-03 0.128
ZN-65 CURIES % OF TOTAL	2.438E+02							1.848E-02 0.365
ZR-95 CURIES % OF TOTAL	6.403E+01							5.994E-02 1.184

TOTALS

ALPHA CURIES
% OF TOTAL
B+6 CURIES
% OF TOTAL

5.062E+00
99.998

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)

1.651E+02
1.322E+04

GRAND TOTALS (CURIES)

5.062E+00

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

RUN DATE: 05/21/92

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

SCHED. NO. P61PM009-C

TRA AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991												PAGE	1 RPT. 104
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		CG**	YEARLY RELEASE % OF CG		
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*				
AR-41	7.625E-02	2.828E-06	2.763E-06	3.650E-06	1.730E-06	3.347E-06	3.136E-06	2.894E-06	7.978E-13	1.00E-08	0.01		
		CONCEN (UC/ML)	2.744E+02	2.719E+02	3.204E+02	1.675E+02	3.138E+02	3.041E+02	1.652E+03				
		CURIES	92.732	93.598	92.708	90.751	66.820	93.7%	86.478				
		% OF TOTAL											
AS-76	1.096E+00			1.723E-13				2.651E-14	7.306E-21	4.00E-09			
		CONCEN (UC/ML)			1.513E-05				1.513E-05				
		CURIES											
		% OF TOTAL											
BA-139	5.771E-02	4.051E-11	1.905E-11	3.934E-11	6.240E-11	2.686E-10	5.974E-11	8.108E-11	2.235E-17	7.00E-08			
		CONCEN (UC/ML)	3.931E-03	1.875E-03	3.454E-03	6.042E-03	2.518E-02	5.794E-03	4.628E-02				
		CURIES	0.001	0.001	0.001	0.003	0.005	0.002	0.002				
		% OF TOTAL											
BA-140	1.276E+01					9.678E-14		1.590E-14	4.381E-21	3.00E-09			
		CONCEN (UC/ML)					9.073E-06		9.073E-06				
		CURIES											
		% OF TOTAL											
CE-141	3.250E+01							1.249E-14	2.122E-15	5.848E-22	1.00E-09		
		CONCEN (UC/ML)							1.211E-06	1.211E-06			
		CURIES											
		% OF TOTAL											
CO-58	7.091E+01					7.490E-15		1.230E-15	3.391E-22	2.00E-09			
		CONCEN (UC/ML)					7.022E-07		7.022E-07				
		CURIES											
		% OF TOTAL											
CO-60	1.924E+03	4.886E-14	3.201E-14	5.063E-14	5.088E-14	9.693E-14	6.365E-14	5.698E-14	1.571E-20	8.00E-11			
		CONCEN (UC/ML)	4.741E-06	3.150E-06	4.445E-06	4.926E-06	9.087E-06	6.173E-06	3.252E-05				
		CURIES											
		% OF TOTAL											
CR-51	2.770E+01	8.334E-12	8.620E-12	1.014E-11	3.077E-12	7.480E-12	6.931E-12	7.391E-12	2.037E-18	5.00E-08			
		CONCEN (UC/ML)	8.087E-04	8.483E-04	8.902E-04	2.979E-04	7.012E-04	6.722E-04	4.219E-03				
		CURIES											
		% OF TOTAL											
CS-137	1.101E+04	7.599E-15	1.673E-14	2.845E-14	1.099E-14	1.099E-14	1.592E-14	1.322E-14	3.644E-21	4.00E-10			
		CONCEN (UC/ML)	7.478E-07	1.469E-06	2.755E-06	1.030E-06	1.030E-06	1.544E-06	7.546E-06				
		CURIES											
		% OF TOTAL											

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

SCHED. NO. P61PH009-C

TRA AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991												PAGE	2 RPT. 104
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		CG**	TRA-A YEARLY RELEASE % OF CG		
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*				
CS-138													
CONCEN (UC/ML)	2.236E-02	4.941E-10	2.991E-10	5.545E-10	9.647E-10	4.607E-09	8.688E-10	1.289E-09	3.552E-16	8.00E-09			
CURIES		4.794E-02	2.943E-02	4.868E-02	9.340E-02	4.319E-01	8.426E-02	7.356E-01					
% OF TOTAL		0.016	0.010	0.014	0.051	0.092	0.026	0.039					
GROSS-ALPHA													
CONCEN (UC/ML)		3.571E-15	2.568E-16	2.130E-16	2.690E-16	1.643E-17	4.050E-17	7.394E-16	2.038E-22				
CURIES		3.465E-07	2.527E-08	1.870E-08	2.605E-08	1.540E-09	3.928E-09	4.220E-07					
% OF TOTAL													
GROSS-BETA													
CONCEN (UC/ML)		8.507E-13	4.849E-13	1.181E-12	1.215E-12	1.560E-12	4.161E-13	9.429E-13	2.599E-19				
CURIES		8.254E-05	4.772E-05	1.037E-04	1.176E-04	1.463E-04	4.036E-05	5.382E-04					
% OF TOTAL													
HG-203													
CONCEN (UC/ML)	4.659E+01	2.573E-13	2.542E-13	2.460E-13	2.332E-13	4.386E-13	4.417E-13	3.121E-13	8.602E-20	2.00E-09			
CURIES		2.497E-05	2.502E-05	2.160E-05	2.258E-05	4.112E-05	4.284E-05	1.781E-04					
% OF TOTAL													
I-131													
CONCEN (UC/ML)	8.040E+00	2.048E-12	3.321E-13	1.085E-13	3.840E-13	1.092E-12	1.988E-13	7.004E-13	1.931E-19	4.00E-10			
CURIES		1.987E-04	3.268E-05	9.527E-06	3.718E-05	1.024E-04	1.929E-05	3.998E-04					
% OF TOTAL													
I-133													
CONCEN (UC/ML)	8.667E-01	1.945E-12			1.663E-12		7.230E-13	7.355E-13	2.027E-19	2.00E-09			
CURIES		1.887E-04			1.610E-04		7.012E-05	4.198E-04					
% OF TOTAL													
IR-192													
CONCEN (UC/ML)	7.383E+01					1.195E-15	8.208E-14	1.414E-14	3.898E-21	5.00E-10			
CURIES						1.120E-07	7.960E-06	8.072E-06					
% OF TOTAL													
KR-85M													
CONCEN (UC/ML)	1.867E-01	7.534E-09	6.866E-09	1.235E-08	7.764E-09	8.695E-08	9.583E-09	2.159E-08	5.951E-15	1.00E-07			
CURIES		7.310E-01	6.757E-01	1.084E+00	7.517E-01	8.151E+00	9.294E-01	1.232E+01					
% OF TOTAL		0.247	0.233	0.314	0.407	1.736	0.287	0.645					
KR-87													
CONCEN (UC/ML)	5.278E-02	2.664E-08	2.644E-08	3.266E-08	2.459E-08	2.545E-07	2.623E-08	6.454E-08	1.779E-14	2.00E-08			
CURIES		2.585E+00	2.602E+00	2.867E+00	2.381E+00	2.386E+01	2.544E+00	3.684E+01					
% OF TOTAL		0.874	0.896	0.830	1.290	5.081	0.785	1.928					

SCHED. NO. P61PM009-C

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

RUN DATE: 05/21/92

TRA AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991														PAGE	3	RPT. 104
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		CG**	TRA-A YEARLY RELEASE % OF CG					
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*							
KR-88	1.183E-01															
CONCEN (UC/ML)		2.354E-08	2.488E-08	4.298E-08	2.061E-08	2.660E-07	2.471E-08	6.629E-08	1.827E-14	9.00E-09						
CURIES		2.284E+00	2.448E+00	3.773E+00	1.995E+00	2.494E+01	2.396E+00	3.784E+01								
% OF TOTAL		0.772	0.843	1.092	1.081	5.311	0.739	1.980								
LA-140	1.678E+00															
CONCEN (UC/ML)						2.437E-13		4.003E-14	1.103E-20	3.00E-09						
CURIES						2.285E-05		2.285E-05								
% OF TOTAL																
MN-54	3.122E+02															
CONCEN (UC/ML)							2.644E-14	4.492E-15	1.238E-21	2.00E-09						
CURIES							2.564E-06	2.564E-06								
% OF TOTAL																
MN-56	1.075E-01															
CONCEN (UC/ML)							1.282E-12	2.178E-13	6.003E-20	1.00E-08						
CURIES							1.243E-04	1.243E-04								
% OF TOTAL																
NA-24	6.237E-01															
CONCEN (UC/ML)		5.151E-12	2.367E-12	1.147E-11	3.937E-12	4.434E-12	7.679E-12	5.749E-12	1.585E-18	4.00E-09						
CURIES		4.998E-04	2.329E-04	1.007E-03	3.812E-04	4.157E-04	7.447E-04	3.281E-03								
% OF TOTAL																
OS-191	1.540E+01															
CONCEN (UC/ML)		5.521E-13	5.855E-13	2.004E-12	6.756E-13	2.593E-13	4.244E-13	7.323E-13	2.018E-19	3.00E-09						
CURIES		5.357E-05	5.762E-05	1.759E-04	6.541E-05	2.431E-05	4.116E-05	4.180E-04								
% OF TOTAL																
R8-88	1.229E-02															
CONCEN (UC/ML)		3.605E-10	2.412E-10	4.170E-10	8.148E-10	5.681E-09	6.247E-10	1.344E-09	3.706E-16	3.00E-08						
CURIES		3.498E-02	2.374E-02	3.661E-02	7.889E-02	5.326E-01	6.058E-02	7.674E-01								
% OF TOTAL		0.012	0.008	0.011	0.043	0.113	0.019	0.040								
R8-89	1.056E-02															
CONCEN (UC/ML)		5.184E-10	2.747E-10	5.191E-10	1.034E-09	5.470E-09	8.085E-10	1.426E-09	3.932E-16	9.00E-09						
CURIES		5.030E-02	2.703E-02	4.557E-02	1.001E-01	5.128E-01	7.841E-02	8.142E-01								
% OF TOTAL		0.017	0.009	0.013	0.054	0.109	0.024	0.043								
RE-188	7.075E-01															
CONCEN (UC/ML)		2.892E-13	7.389E-13	3.048E-13				2.234E-13	6.159E-20	6.00E-09						
CURIES		2.806E-05	7.272E-05	2.676E-05				1.275E-04								
% OF TOTAL																

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		PAGE	4 RPT. 104 TRA-A YEARLY RELEASE % OF CG
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*		
SR-90	1.059E+04										
CONCEN (UC/ML)		3.399E-15	4.809E-16	1.038E-14	2.543E-15	1.801E-14	4.611E-15	6.430E-15	1.772E-21		9.00E-12
CURIES		3.298E-07	4.733E-08	9.113E-07	2.462E-07	1.688E-06	4.472E-07	3.670E-06			
% OF TOTAL											
TC-99M	2.504E-01										
CONCEN (UC/ML)		6.623E-12	4.700E-12	4.931E-12	2.618E-12	4.551E-12	2.773E-12	4.357E-12	1.201E-18		1.00E-07
CURIES		6.426E-04	4.625E-04	4.329E-04	2.535E-04	4.266E-04	2.689E-04	2.487E-03			
% OF TOTAL											
XE-133	5.250E+00										
CONCEN (UC/ML)		1.127E-08	1.351E-08	1.251E-08	7.612E-09	9.734E-08		2.345E-08	6.463E-15		5.00E-07
CURIES		1.094E+00	1.330E+00	1.098E+00	7.370E-01	9.125E+00		1.338E+01			
% OF TOTAL		0.370	0.458	0.318	0.399	1.943		0.701			
XE-135	3.792E-01										
CONCEN (UC/ML)		2.898E-08	2.974E-08	4.466E-08	2.777E-08	2.281E-07	3.306E-08	6.471E-08	1.784E-14		8.00E-08
CURIES		2.812E+00	2.927E+00	3.921E+00	2.689E+00	2.138E+01	3.206E+00	3.694E+01			
% OF TOTAL		0.950	1.008	1.135	1.457	4.553	0.989	1.933			
XE-135M	1.062E-02										
CONCEN (UC/ML)		1.714E-08	2.013E-08	2.799E-08	1.639E-08	1.083E-07	1.657E-08	3.407E-08	9.390E-15		5.00E-08
CURIES		1.663E+00	1.981E+00	2.457E+00	1.587E+00	1.015E+01	1.607E+00	1.945E+01			
% OF TOTAL		0.562	0.682	0.711	0.860	2.161	0.496	1.018			
XE-138	9.792E-03										
CONCEN (UC/ML)		1.051E-07	6.658E-08	1.124E-07	6.869E-08	6.049E-07	9.497E-08	1.738E-07	4.790E-14		2.00E-08
CURIES		1.020E+01	6.552E+00	9.867E+00	6.651E+00	5.671E+01	9.210E+00	9.919E+01			
% OF TOTAL		3.447	2.255	2.855	3.603	12.076	2.841	5.192			
Y-91M	3.451E-02										
CONCEN (UC/ML)						5.714E-12		9.385E-13	2.587E-19		4.00E-08
CURIES						5.357E-04		5.357E-04			
% OF TOTAL											

RUN DATE: 05/21/92

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TRA-A
YEARLY
RELEASE
LY
CASE# CG** % OF CG

[illegible]

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

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CS *	% OF CS
AG-110M	2.498E+02					1.720E-07		2.751E-08	1.00E-05	0.28
CONCEN (UC/ML)						1.326E-03		1.326E-03		
CURIES						0.009		0.002		
% OF TOTAL										
CE-141	3.250E+01					3.490E-07		9.925E-08	5.00E-05	0.20
CONCEN (UC/ML)						2.690E-03		4.782E-03		
CURIES						0.019		0.023		
% OF TOTAL										
CE-144	2.844E+02									
CONCEN (UC/ML)										
CURIES										
% OF TOTAL										
CO-60	1.924E+03									
CONCEN (UC/ML)										
CURIES										
% OF TOTAL										
CR-51	2.770E+01									
CONCEN (UC/ML)										
CURIES										
% OF TOTAL										
CS-137	1.101E+04									
CONCEN (UC/ML)										
CURIES										
% OF TOTAL										
GROSS-BETA										
CONCEN (UC/ML)										
CURIES										
% OF TOTAL										
H-3	4.490E+03									
CONCEN (UC/ML)										
CURIES										
% OF TOTAL										
HF-181	4.240E+01									
CONCEN (UC/ML)										
CURIES										
% OF TOTAL										

TRA LIQUID WASTE SUMMARY
 FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCN/ TOT CURIES	CG *	% OF CG
I-131 CONCN (UC/ML) CURIES % OF TOTAL	8.040E+00					1.330E-06 1.025E-02 0.073	2.490E-07 2.423E-03 0.026	2.630E-07 1.267E-02 0.016	3.00E-06	8.77
MO-99 CONCN (UC/ML) CURIES % OF TOTAL	2.747E+00		3.670E-07 2.626E-03 0.020			1.390E-07 1.071E-03 0.008		7.673E-08 3.697E-03 0.005	3.00E-05	0.26
RE-188 CONCN (UC/ML) CURIES % OF TOTAL	7.075E-01		2.890E-07 2.068E-03 0.015					4.291E-08 2.068E-03 0.003	5.00E-05	0.09
ZN-65 CONCN (UC/ML) CURIES % OF TOTAL	2.438E+02		2.440E-07 1.746E-03 0.013		1.220E-07 1.175E-03 0.014			6.061E-08 2.920E-03 0.004	9.00E-06	0.67
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		1.635E+01 100.000	1.345E+01 100.000	1.996E+01 100.000	8.266E+00 100.000	1.413E+01 100.000	9.250E+00 100.000	8.141E+01 100.000		
% OF TOTAL										
VOLUME (LITERS)		6.557E+06	7.154E+06	7.402E+06	9.629E+06	7.707E+06	9.731E+06	4.818E+07		
GRAND TOTALS (CURIES)		1.635E+01	1.345E+01	1.996E+01	8.266E+00	1.413E+01	9.250E+00	8.141E+01		

* 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.

NUCLIDES

HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
AM-241 CURIES % OF TOTAL GRAMS	1.577E+05				3.256E-06		3.256E-06
					9.465E-07		9.465E-07
BA-140 CURIES % OF TOTAL	1.276E+01			7.000E-04 0.019			7.000E-04 0.001
BR-82 CURIES % OF TOTAL	1.471E+00						1.000E-03 0.001
CE-141 CURIES % OF TOTAL	3.250E+01			1.450E-02 0.031	5.000E-03 0.135		1.950E-02 0.017
CE-144 CURIES % OF TOTAL	2.844E+02			4.580E-02 0.098	5.230E-02 1.408		9.810E-02 0.084
CO-57 CURIES % OF TOTAL	2.718E+02			1.800E-03 0.004			1.800E-03 0.002
CO-58 CURIES % OF TOTAL	7.091E+01			2.970E-01 0.636	1.738E-01 4.680		4.710E-01 0.403
CO-60 CURIES % OF TOTAL	1.924E+03			8.982E-01 1.924	8.224E-01 22.145	3.923E-01 0.725	2.115E+00 1.808
CR-51 CURIES % OF TOTAL	2.770E+01			4.496E+01 96.309	2.203E+00 59.321		5.950E+01 50.877
CS-134 CURIES % OF TOTAL	7.537E+02			3.800E-03 0.008	2.300E-03 0.062	1.637E+00 3.024	1.643E+00 1.405
CS-137 CURIES % OF TOTAL	1.101E+04			3.700E-03 0.008	8.300E-03 0.223	5.166E+01 95.430	5.167E+01 44.185
EU-152 CURIES % OF TOTAL	4.891E+03				7.047E-04 0.001		7.047E-04 0.001

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

SCHED. NO. P61PH009-G

TRA DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
EU-154 CURIES % OF TOTAL	3.103E+03					3.389E-01 0.626		3.389E-01 0.290
EU-155 CURIES % OF TOTAL	1.727E+03					1.045E-01 0.193		1.045E-01 0.089
FE-59 CURIES % OF TOTAL	4.451E+01			7.000E-04 0.001				7.000E-04 0.001
H-3 CURIES % OF TOTAL	4.490E+03			4.600E-03 0.010	4.200E-03 0.113			8.800E-03 0.008
HF-181 CURIES % OF TOTAL	4.240E+01	6.000E-03 0.048		8.400E-03 0.018	2.270E-02 0.611			3.710E-02 0.032
I-131 CURIES % OF TOTAL	8.040E+00	6.800E-03 0.055		7.600E-03 0.016				1.440E-02 0.012
I-132 CURIES % OF TOTAL	9.500E-02	4.190E-02 0.337		1.100E-03 0.002				4.300E-02 0.037
LA-140 CURIES % OF TOTAL	1.678E+00			7.600E-03 0.016	1.300E-03 0.035			8.900E-03 0.008
MN-54 CURIES % OF TOTAL	3.122E+02	1.000E-04 0.001		1.060E-01 0.227	7.670E-02 2.065			1.828E-01 0.156
NB-95 CURIES % OF TOTAL	3.498E+01	6.200E-03 0.050		1.080E-02 0.023	7.900E-03 0.213			2.490E-02 0.021
PR-144 CURIES % OF TOTAL	1.200E-02			4.830E-02 0.103	4.670E-02 1.258			9.500E-02 0.081
RU-103 CURIES % OF TOTAL	3.924E+01	1.200E-03 0.010		1.100E-03 0.002				2.300E-03 0.002

RUN DATE: 05/21/92

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

SCHED. NO. P61PM009-G

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		TRA DISPOSED SOLID WASTE SUMMARY FOR JAN THROUGH JUN 1991					ANNUAL TOTAL
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
SB-124 CURIES % OF TOTAL	6.020E+01	1.400E-03 0.011		1.700E-03 0.004			3.100E-03 0.003
SC-44 CURIES % OF TOTAL	8.382E+01	1.000E-03 0.008		1.010E-02 0.022	4.300E-03 0.116		1.540E-02 0.013
SE-75 CURIES % OF TOTAL	1.198E+02	9.600E-03 0.077		4.000E-03 0.009			1.360E-02 0.012
SR-89 CURIES % OF TOTAL	5.052E+01	9.000E-04 0.007					9.000E-04 0.001
SR-90 CURIES % OF TOTAL	1.059E+04			2.000E-03 0.004	2.460E-02 0.662		2.660E-02 0.023
TA-182 CURIES % OF TOTAL	1.145E+02	2.000E-04 0.002					2.000E-04
ZN-65 CURIES % OF TOTAL	2.438E+02	4.000E-04 0.003		2.355E-01 0.505	2.523E-01 6.794		4.882E-01 0.417
ZR-95 CURIES % OF TOTAL	6.403E+01	7.000E-04 0.006		8.900E-03 0.019	5.200E-03 0.140		1.480E-02 0.013

SCHED. NO. P61PM009-6

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

RUN DATE: 05/21/92

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TRA DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
TOTALS								
ALPHA CURIES						3.256E-06		3.256E-06
% OF TOTAL								
B+G CURIES		1.242E+01		4.668E+01	3.714E+00	5.413E+01		1.169E+02
% OF TOTAL		100.000		100.000	100.000	100.000		100.000
TOTAL GRAMS OF AM								
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)		5.374E+00		1.132E+01	5.945E+00	7.708E+00		3.035E+01
WEIGHT (KILOGRAMS)		6.350E+03		1.270E+04	6.350E+03	8.172E+03		3.357E+04
GRAND TOTALS (CURIES)		1.242E+01		4.668E+01	3.714E+00	5.413E+01		1.169E+02

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

RUN DATE: 05/21/92

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NUCLIDES	HALF LIFE (DAYS)	TRA SOLID WASTE SUMMARY MERF INCINERATOR PROCESSED WASTE FROM JAN THROUGH JUN 1991					ANNUAL TOTAL	
		JANUARY	FEBRUARY	MARCH	APRIL	MAY		
AG-110M CURIES % OF TOTAL	2.498E+02	4.034E-03 0.142	8.262E-04 0.140				2.333E-03 0.143	7.193E-03 0.142
BA-140 CURIES % OF TOTAL	1.276E+01	4.034E-02 1.420	8.262E-03 1.395				2.333E-02 1.432	7.193E-02 1.421
CE-141 CURIES % OF TOTAL	3.250E+01	3.305E-03 0.116	8.262E-04 0.140				2.333E-03 0.143	6.464E-03 0.128
CO-58 CURIES % OF TOTAL	7.091E+01	5.376E-02 1.892	1.101E-02 1.859				3.109E-02 1.909	9.586E-02 1.894
CO-60 CURIES % OF TOTAL	1.924E+03	1.618E+00 56.968	3.330E-01 56.226				9.356E-01 57.443	2.887E+00 57.033
CR-51 CURIES % OF TOTAL	2.770E+01	5.376E-01 18.923	1.101E-01 18.590				3.109E-01 19.088	9.586E-01 18.937
CS-134 CURIES % OF TOTAL	7.537E+02	5.400E-03 0.190	1.109E-03 0.187				3.117E-03 0.191	9.626E-03 0.190
CS-137 CURIES % OF TOTAL	1.101E+04	4.034E-02 1.420	8.262E-03 1.395				2.333E-02 1.432	7.193E-02 1.421
EU-152 CURIES % OF TOTAL	4.891E+03	1.212E-02 0.426	3.029E-03 0.511				8.553E-03 0.525	2.370E-02 0.468
EU-154 CURIES % OF TOTAL	3.103E+03	7.709E-03 0.271	1.927E-03 0.325				5.442E-03 0.334	1.508E-02 0.298
FE-59 CURIES % OF TOTAL	4.451E+01	3.361E-02 1.183	6.885E-03 1.163				1.944E-02 1.194	5.994E-02 1.184
HF-181 CURIES % OF TOTAL	4.240E+01	1.762E-01 6.203	4.406E-02 7.439				8.553E-02 5.251	3.058E-01 6.042
I-131 CURIES % OF TOTAL	8.040E+00	1.191E-03 0.042	2.430E-04 0.041				6.885E-04 0.042	2.122E-03 0.042
IR-192 CURIES % OF TOTAL	7.383E+01	9.720E-04 0.034	2.430E-04 0.041				6.885E-04 0.042	1.904E-03 0.038
LA-140 CURIES % OF TOTAL	1.678E+00	3.483E-03 0.123	7.128E-04 0.120				2.017E-03 0.124	6.213E-03 0.123
MN-54 CURIES % OF TOTAL	3.122E+02	5.376E-02 1.892	1.101E-02 1.859				3.109E-02 1.909	9.586E-02 1.894

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

SCHED. NO. P61PH009-N

TRA SOLID WASTE SUMMARY

MERF INCINERATOR PROCESSED WASTE
 FROM JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
NB-95 CURIES % OF TOTAL	3.498E+01	5.376E-02 1.892	1.101E-02 1.859				3.109E-02 1.909	9.586E-02 1.894
RU-103 CURIES % OF TOTAL	3.924E+01	2.689E-03 0.095	5.508E-04 0.093				1.555E-03 0.095	4.795E-03 0.095
SB-124 CURIES % OF TOTAL	6.020E+01	1.733E-03 0.061	3.564E-04 0.060				1.004E-03 0.062	3.094E-03 0.061
SB-125 CURIES % OF TOTAL	1.007E+03	8.066E-03 0.284	1.652E-03 0.279				4.665E-03 0.286	1.438E-02 0.284
SC-46 CURIES % OF TOTAL	8.382E+01	1.345E-01 4.733	2.754E-02 4.650				7.776E-02 4.774	2.398E-01 4.736
TA-182 CURIES % OF TOTAL	1.145E+02	3.305E-03 0.116	8.262E-04 0.140				2.333E-03 0.143	6.464E-03 0.128
ZN-65 CURIES % OF TOTAL	2.438E+02	1.111E-02 0.391	1.927E-03 0.325				5.442E-03 0.334	1.848E-02 0.365
ZR-95 CURIES % OF TOTAL	6.403E+01	3.361E-02 1.183	6.885E-03 1.163				1.944E-02 1.194	5.994E-02 1.184
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)		2.841E+00	5.923E-01				1.629E+00	5.062E+00

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

RUN DATE: 05/20/92

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

**ALPHA LAB AIR BORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991**

ALPHA LAB AIR AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991										PAGE 1 RPT. 115
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
								AVG CONCEN/ TOT CURIES		
GROSS-ALPHA										
CONCEN (UC/ML)				1.582E-16	2.201E-16		3.678E-16	9.874E-17	2.400E-23	
CURIES				2.800E-09	3.770E-09		6.300E-09	2.058E-08		
UNCERT(CURIES)				1.800E-09	2.590E-09		2.980E-09			
UNCERT(UC/ML)										
% OF TOTAL				3.670	4.059		7.394	2.165		
GROSS-BETA										
CONCEN (UC/ML)		4.244E-15	3.384E-15	4.153E-15	5.201E-15	5.362E-15	4.606E-15	4.463E-15	1.085E-21	
CURIES		7.270E-08	5.990E-08	7.350E-08	8.910E-08	9.490E-08	7.890E-08	9.301E-07		
UNCERT(CURIES)		6.970E-09	6.160E-09	7.170E-09	7.840E-09	7.650E-09	6.970E-09			
UNCERT(UC/ML)										
% OF TOTAL		100.000	100.000	96.330	95.941	100.000	92.606	97.835		
TOTALS										
ALPHA CURIES				2.800E-09	3.770E-09		6.300E-09	2.058E-08		
% OF TOTAL				3.670	4.059		7.394	2.165		
B+G CURIES		7.270E-08	5.990E-08	7.350E-08	8.910E-08	9.490E-08	7.890E-08	9.301E-07		
% OF TOTAL		100.000	100.000	96.330	95.941	100.000	92.606	97.835		
VOLUME (CU. METERS)										
		1.713E+07	1.770E+07	1.770E+07	1.713E+07	1.770E+07	1.713E+07	2.084E+08		
GRAND TOTALS (CURIES)										
		7.270E-08	5.990E-08	7.630E-08	9.287E-08	9.490E-08	8.520E-08	9.507E-07		

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

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

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TRA/ATR-A
YEARLY
RELEASE
% OF CG

ATR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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)		5.562E-06	2.457E-08	4.625E-06	3.672E-06	2.679E-06	5.031E-06	4.140E-06	1.141E-12	1.00E-08
CURIES		3.156E+02	1.401E+00	2.719E+02	2.137E+02	1.634E+02	2.959E+02	2.914E+03		
UNCERT(CURIES)		1.500E+00	8.000E-02	1.200E+00	9.000E-01	9.000E-01	1.000E+00			
UNCERT(UC/ML)										
% OF TOTAL		92.751	9.130	93.290	93.271	92.662	92.220	88.738		
AS-76	1.096E+00									
CONCEN (UC/ML)								2.150E-14	5.925E-21	4.00E-09
CURIES								1.513E-05		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
BA-139	5.771E+02									
CONCEN (UC/ML)		8.248E-11		9.396E-11	2.896E-11	2.243E-11	8.251E-11	9.147E-11	2.521E-17	7.00E-08
CURIES		4.680E-03		5.524E-03	1.685E-03	1.368E-03	4.853E-03	6.439E-02		
UNCERT(CURIES)		1.600E-04		1.490E-04	1.000E-04	6.900E-05	1.370E-04			
UNCERT(UC/ML)										
% OF TOTAL		0.001	0.002	0.002	0.001	0.001	0.002	0.002		
BA-140	1.276E+01									
CONCEN (UC/ML)								1.269E-14	3.553E-21	3.00E-09
CURIES								9.073E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
CE-141	3.250E+01									
CONCEN (UC/ML)								1.720E-15	4.742E-22	1.00E-09
CURIES								1.211E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
CO-58	7.091E+01									
CONCEN (UC/ML)								9.976E-16	2.750E-22	2.00E-09
CURIES								7.022E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
CO-60	1.924E+03									
CONCEN (UC/ML)		8.858E-14	1.227E-13	6.464E-14	7.610E-14	8.008E-14	4.233E-14	8.545E-14	2.355E-20	8.00E-11
CURIES		5.026E-06	6.996E-06	3.800E-06	4.428E-06	4.884E-06	2.490E-06	6.015E-05		
UNCERT(CURIES)		5.030E-07	4.240E-07	6.140E-07	5.240E-07	4.620E-07	5.770E-07			
UNCERT(UC/ML)										
% OF TOTAL										

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TRA/ATR-A
YEARLY
RELEASE
% OF CG

ATR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
CR-51	2.770E+01									
CONCEN (UC/ML)		1.835E-11	2.623E-12	7.673E-12	1.749E-11	4.763E-12	7.999E-12	1.085E-11	2.991E-18	5.00E-08
CURIES		1.041E-03	1.496E-04	4.511E-04	1.018E-03	2.905E-04	4.705E-04	7.639E-03		
UNCERT(CURIES)		1.300E-05	3.500E-06	8.300E-06	1.400E-05	6.000E-06	8.300E-06			
UNCERT(UC/ML)										
% OF TOTAL			0.001							
CS-137	1.101E+04									
CONCEN (UC/ML)		3.821E-14	1.069E-14		1.401E-14	3.222E-14 ²		1.772E-14	4.885E-21	4.00E-10
CURIES		2.168E-06	6.097E-07		8.152E-07	1.965E-06		1.247E-05		
UNCERT(CURIES)		4.770E-07	1.870E-07		3.130E-07	3.610E-07				
UNCERT(UC/ML)										
% OF TOTAL										
CS-138	2.236E-02									
CONCEN (UC/ML)		1.093E-09	1.387E-09	4.545E-10	2.997E-10	9.692E-10	9.692E-10	1.394E-09	3.841E-16	8.00E-09
CURIES		6.200E-02	8.153E-02	2.645E-02	1.828E-02	5.701E-02	5.701E-02	9.809E-01		
UNCERT(CURIES)		8.600E-04	1.110E-03	5.500E-04	5.800E-04	8.900E-04	8.900E-04			
UNCERT(UC/ML)										
% OF TOTAL		0.018	0.028	0.012	0.010	0.018	0.018	0.030		
GROSS-ALPHA										
CONCEN (UC/ML)			4.400E-16					4.928E-16	1.358E-22	
CURIES			2.587E-08					3.469E-07		
UNCERT(CURIES)			6.470E-09							
UNCERT(UC/ML)										
% OF TOTAL										
GROSS-BETA										
CONCEN (UC/ML)		7.432E-13	9.883E-17	1.045E-12	1.075E-12	6.399E-13	6.124E-13	1.097E-12	3.024E-19	
CURIES		4.217E-05	5.636E-09	6.145E-05	6.258E-05	3.903E-05	3.602E-05	7.722E-04		
UNCERT(CURIES)		6.490E-06	9.410E-10	9.710E-06	9.890E-06	6.480E-06	5.910E-06			
UNCERT(UC/ML)										
% OF TOTAL										
HG-203	4.659E+01									
CONCEN (UC/ML)		1.375E-12	2.527E-13	3.902E-13	4.662E-13	2.233E-13	2.448E-13	4.929E-13	1.358E-19	2.00E-09
CURIES		7.801E-05	1.441E-05	2.294E-05	2.713E-05	1.356E-05	1.440E-05	3.469E-04		
UNCERT(CURIES)		4.560E-06	1.070E-06	1.680E-06	1.500E-06	1.240E-06	1.330E-06			
UNCERT(UC/ML)										
% OF TOTAL										
I-131	8.040E+00									
CONCEN (UC/ML)		3.505E-13	3.547E-14	1.387E-13	1.683E-13	9.167E-14	1.391E-13	6.415E-13	1.768E-19	4.00E-10
CURIES		1.989E-05	2.023E-06	8.155E-06	9.791E-06	5.591E-06	8.184E-06	4.515E-04		
UNCERT(CURIES)		2.580E-06	9.520E-07	1.710E-06	2.260E-06	1.490E-06	1.830E-06			
UNCERT(UC/ML)										
% OF TOTAL										

ATR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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TRA/ATR-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
I-132	9.500E-02									
CONCEN (UC/ML)				2.759E-11				2.304E-12	6.352E-19	8.00E-09
CURIES				1.622E-03				1.622E-03		
UNCERT(CURIES)				2.890E-04						
UNCERT(UC/ML)										
% OF TOTAL				0.001						
I-133	8.667E-01									
CONCEN (UC/ML)		1.473E-12		6.921E-13	1.538E-12			9.001E-13	2.481E-19	2.00E-09
CURIES		8.357E-05		4.069E-05	8.949E-05			6.336E-04		
UNCERT(CURIES)		1.730E-05		1.580E-05	2.940E-05					
UNCERT(UC/ML)										
% OF TOTAL										
IR-192	7.383E+01									
CONCEN (UC/ML)								1.131E-14	3.117E-21	5.00E-10
CURIES								7.960E-06		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
KR-85M	1.867E-01									
CONCEN (UC/ML)		2.090E-08		1.626E-08	1.242E-08	8.797E-09	1.790E-08	2.384E-08	6.570E-15	1.00E-07
CURIES		1.186E+00		9.560E-01	7.227E-01	5.365E-01	1.053E+00	1.678E+01		
UNCERT(CURIES)		9.100E-02		5.700E-02	5.010E-02	4.530E-02	6.300E-02			
UNCERT(UC/ML)										
% OF TOTAL		0.349		0.328	0.315	0.304	0.328	0.511		
KR-87	5.278E-02									
CONCEN (UC/ML)		6.237E-08	2.644E-08	4.875E-08	4.379E-08	2.527E-08	5.721E-08	7.417E-08	2.044E-14	2.00E-08
CURIES		3.539E+00	1.508E+00	2.866E+00	2.548E+00	1.541E+00	3.365E+00	5.221E+01		
UNCERT(CURIES)		2.240E-01	7.400E-02	1.570E-01	1.410E-01	1.260E-01	1.570E-01			
UNCERT(UC/ML)										
% OF TOTAL		1.040	9.827	0.983	1.112	0.874	1.049	1.590		
KR-88	1.183E-01									
CONCEN (UC/ML)		4.892E-08	3.291E-08	3.774E-08	2.861E-08	2.817E-08	5.435E-08	7.286E-08	2.008E-14	9.00E-09
CURIES		2.776E+00	1.877E+00	2.219E+00	1.665E+00	1.718E+00	3.197E+00	5.129E+01		
UNCERT(CURIES)		3.780E-01	9.800E-02	3.050E-01	2.960E-01	2.890E-01	2.600E-01			
UNCERT(UC/ML)										
% OF TOTAL		0.816	12.232	0.761	0.727	0.974	0.996	1.562		
LA-140	1.678E+00									
CONCEN (UC/ML)								3.246E-14	8.948E-21	3.00E-09
CURIES								2.285E-05		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										

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ATR AIRBORNE WASTE SUMMARY
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TRA/ATR-A

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG
MM-54	3.122E+02									
CONCEN (UC/ML)		3.047E-14	9.897E-15	2.339E-14				8.854E-15	2.441E-21	2.00E-09
CURIES		1.729E-06	5.644E-07	1.375E-06				6.232E-06		
UNCERT(CURIES)		3.140E-07	8.870E-08	2.650E-07						
UNCERT(UC/ML)										
% OF TOTAL										
MM-56	1.075E-01									
CONCEN (UC/ML)								1.766E-13	4.867E-20	1.00E-08
CURIES								1.243E-04		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
NA-24	6.237E-01									
CONCEN (UC/ML)		1.418E-11			6.285E-12	1.301E-12	6.355E-12	8.139E-12	2.243E-18	4.00E-09
CURIES		8.048E-04			3.657E-04	7.934E-05	3.738E-04	5.729E-03		
UNCERT(CURIES)		1.420E-05			1.410E-05	4.970E-06	1.120E-05			
UNCERT(UC/ML)										
% OF TOTAL										
OS-191	1.540E+01									
CONCEN (UC/ML)		1.203E-12			1.489E-12	7.678E-13	2.426E-12	1.142E-12	3.148E-19	3.00E-09
CURIES		6.827E-05			8.662E-05	4.683E-05	1.427E-04	8.039E-04		
UNCERT(CURIES)		6.560E-06			6.800E-06	5.180E-06	7.400E-06			
UNCERT(UC/ML)										
% OF TOTAL										
RB-88	1.229E-02									
CONCEN (UC/ML)		9.163E-10			4.448E-10	2.571E-10	6.879E-10	1.376E-09	3.792E-16	3.00E-08
CURIES		5.199E-02			2.588E-02	1.568E-02	4.046E-02	9.684E-01		
UNCERT(CURIES)		3.560E-03			5.540E-03	3.180E-03	3.770E-03			
UNCERT(UC/ML)										
% OF TOTAL		0.015		0.023	0.011	0.009	0.013	0.029		
RB-89	1.056E-02									
CONCEN (UC/ML)		9.813E-10			4.607E-10	2.322E-10	8.711E-10	1.480E-09	4.078E-16	9.00E-09
CURIES		5.568E-02			2.681E-02	1.416E-02	5.124E-02	1.041E+00		
UNCERT(CURIES)		2.140E-03			2.190E-03	1.190E-03	2.390E-03			
UNCERT(UC/ML)										
% OF TOTAL		0.016		0.027	0.012	0.008	0.016	0.032		
RE-188	7.075E-01									
CONCEN (UC/ML)		2.182E-12			1.121E-12		3.057E-13	5.536E-13	1.526E-19	6.00E-09
CURIES		1.238E-04			6.526E-05		1.798E-05	3.897E-04		
UNCERT(CURIES)		7.500E-06			5.990E-06		3.540E-06			
UNCERT(UC/ML)										
% OF TOTAL										

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ATR AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991													PAGE	5 RPT. 120
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL		YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG		
								AVG CONCEN/ TOT CURIES	TRA/ATR-A					
SR-90														
SB-127	3.840E+00	1.605E-13								1.294E-14	3.567E-21	5.00E-09		
CONCEN (UC/ML)		9.109E-06								9.109E-06				
CURIES		1.520E-06												
UNCERT(CURIES)														
UNCERT(UC/ML)														
% OF TOTAL														
SR-90														
CONCEN (UC/ML)	1.059E+04	4.117E-15								7.473E-15	2.060E-21	9.00E-12		
CURIES		2.336E-07								5.260E-06				
UNCERT(CURIES)		1.620E-08												
UNCERT(UC/ML)														
% OF TOTAL														
TC-99M														
CONCEN (UC/ML)	2.504E-01	1.106E-11	3.212E-13	7.333E-12	6.116E-12	9.839E-13	5.619E-12	6.124E-12	1.688E-18	1.00E-07				
CURIES		6.275E-04	1.832E-05	4.311E-04	3.559E-04	6.001E-05	3.305E-04	4.310E-03						
UNCERT(CURIES)		9.300E-06	2.150E-06	1.270E-05	9.300E-06	3.610E-06	7.800E-06							
UNCERT(UC/ML)														
% OF TOTAL														
XE-133														
CONCEN (UC/ML)	5.250E+00									1.625E-08	2.087E-08	5.751E-15	5.00E-07	
CURIES										9.558E-01	1.469E+01			
UNCERT(CURIES)										1.780E-01				
UNCERT(UC/ML)														
% OF TOTAL										0.298	0.447			
XE-135														
CONCEN (UC/ML)	3.792E-01	6.703E-08	3.922E-08	5.618E-08	3.808E-08	3.525E-08	6.731E-08	7.757E-08	2.138E-14	8.00E-08				
CURIES		3.803E+00	2.237E+00	3.303E+00	2.216E+00	2.150E+00	3.959E+00	5.460E+01						
UNCERT(CURIES)		9.000E-02	3.900E-02	7.200E-02	6.800E-02	5.700E-02	7.300E-02							
UNCERT(UC/ML)		1.118	14.578	1.133	0.967	1.219	1.234	1.663						
% OF TOTAL														
XE-135M														
CONCEN (UC/ML)	1.062E-02	3.853E-08	6.893E-09	2.808E-08	1.844E-08	2.138E-08	3.824E-08	4.021E-08	1.108E-14	5.00E-08				
CURIES		2.186E+00	3.931E-01	1.651E+00	1.074E+00	1.304E+00	2.249E+00	2.830E+01						
UNCERT(CURIES)		2.850E-01	1.000E-01	2.210E-01	1.880E-01	1.850E-01	2.110E-01							
UNCERT(UC/ML)														
% OF TOTAL		0.642	2.562	0.566	0.469	0.739	0.701	0.862						
XE-138														
CONCEN (UC/ML)	9.792E-03	1.939E-07	1.390E-07	1.416E-07	1.162E-07	9.247E-08	1.705E-07	2.115E-07	5.830E-14	2.00E-08				
CURIES		1.100E+01	7.929E+00	8.326E+00	6.763E+00	5.640E+00	1.003E+01	1.489E+02						
UNCERT(CURIES)		5.800E-01	2.330E-01	4.190E-01	3.860E-01	3.360E-01	4.500E-01							
UNCERT(UC/ML)		3.233	51.671	2.857	2.952	3.198	3.126	4.534						
% OF TOTAL														

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TRA/ATR-A

YEARLY
RELEASE
% OF CS

ANNUAL
AVG CONCEN/
TOT CURIES

DECEMBER
RELEASE* CG**

NOVEMBER

OCTOBER

SEPTEMBER

AUGUST

JULY

HALF LIFE
(DAYS)

NUCLIDES

Y-91M 3.451E-02
CONCEN (UC/ML) 3.174E-12
CURIES 1.801E-04
UNCERT(CURIES) 5.660E-05
UNCERT(UC/ML)
% OF TOTAL

ZN-65 2.438E+02
CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

TOTALS
ALPHA CURIES 3.469E-07
% OF TOTAL
B+G CURIES 3.403E+02 1.535E+01 2.915E+02 2.291E+02 1.763E+02 3.209E+02 3.284E+03
% OF TOTAL 100.000 100.000 100.000 100.000 100.000 100.000 99.999
VOLUME (CU. METERS) 5.674E+07 5.703E+07 5.879E+07 5.819E+07 6.099E+07 5.882E+07 7.039E+08
GRAND TOTALS (CURIES) 3.403E+02 1.535E+01 2.915E+02 2.291E+02 1.763E+02 3.209E+02 3.284E+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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ATR DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AG-110M CURIES % OF TOTAL	2.498E+02							7.193E-03
BA-140 CURIES % OF TOTAL	1.276E+01	2.500E-03 0.019	5.300E-02 0.163			4.400E-03 0.005		1.325E-01 0.006
BR-82 CURIES % OF TOTAL	1.471E+00							1.000E-03
CD-109 CURIES % OF TOTAL	4.623E+02				1.090E-02 0.060			1.090E-02
CE-141 CURIES % OF TOTAL	3.250E+01		1.480E-01 0.454		3.100E-03 0.017			1.771E-01 0.007
CE-144 CURIES % OF TOTAL	2.844E+02	1.300E-03 0.010	6.679E-01 2.049		3.200E-03 0.018			7.705E-01 0.032
CO-57 CURIES % OF TOTAL	2.718E+02							1.800E-03
CO-58 CURIES % OF TOTAL	7.091E+01	1.430E-02 0.106	6.442E-01 1.977		3.170E-02 0.175	2.580E-02 0.030		1.283E+00 0.054
CO-60 CURIES % OF TOTAL	1.924E+03	2.172E-01 1.618	2.579E+00 7.913	3.700E+00 0.307	2.730E-01 1.508	1.917E+01 22.132	3.930E+02 41.061	4.235E+02 17.793
CR-51 CURIES % OF TOTAL	2.770E+01	1.295E+01 96.445	2.678E+01 82.183	8.600E+01 7.139	1.764E+01 97.466	2.145E+00 2.476		2.060E+02 8.653
CS-134 CURIES % OF TOTAL	7.537E+02	4.400E-03 0.033	3.490E-02 0.107		2.900E-03 0.016	1.800E-03 0.002		5.983E-02 0.003
CS-137 CURIES % OF TOTAL	1.101E+04	7.600E-03 0.057	6.280E-02 0.193		1.130E-02 0.062	4.400E-03 0.005		1.703E-01 0.007

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 ATR DISPOSED SOLID WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
EU-152 CURIES % OF TOTAL	4.891E+03							2.370E-02 0.001
EU-154 CURIES % OF TOTAL	3.103E+03		9.480E-02 0.291					1.099E-01 0.005
FE-55 CURIES % OF TOTAL	9.782E+02			1.736E+02 14.410		5.160E+01 59.571	4.323E+02 45.167	6.575E+02 27.621
FE-59 CURIES % OF TOTAL	4.451E+01							8.619E-01 0.036
H-3 CURIES % OF TOTAL	4.490E+03	3.000E-03 0.022	1.300E-03 0.004	8.000E-01 0.066		1.130E-02 0.013		2.690E-02 0.001
HF-175 CURIES % OF TOTAL	7.000E+01		4.090E-02 0.126					4.090E-02 0.002
HF-181 CURIES % OF TOTAL	4.240E+01	1.700E-03 0.013	7.780E-02 0.239		1.560E-02 0.086	8.800E-03 0.010		4.468E-01 0.019
I-131 CURIES % OF TOTAL	8.040E+00	3.640E-02 0.271	4.100E-03 0.013		1.500E-03 0.008	4.000E-04		5.892E-02 0.002
I-132 CURIES % OF TOTAL	9.500E-02	1.600E-03 0.012						4.460E-02 0.002
IR-192 CURIES % OF TOTAL	7.383E+01							1.904E-03
K-40 CURIES % OF TOTAL	4.799E+11		4.300E-03 0.013					4.300E-03
LA-140 CURIES % OF TOTAL	1.678E+00	2.200E-03 0.016	5.990E-02 0.184		3.000E-04 0.002	6.200E-03 0.007		8.371E-02 0.004

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
PN-54 CURIES % OF TOTAL	3.122E+02	9.100E-03 0.068	2.751E-01 0.844	3.300E+01 2.739	1.780E-02 0.098	9.103E-03 0.011	1.703E+01 1.779	5.062E+01 2.127
NB-95 CURIES % OF TOTAL	3.498E+01	4.600E-03 0.034	5.520E-02 0.169		1.750E-02 0.097	1.700E-03 0.002		1.998E-01 0.008
NI-63 CURIES % OF TOTAL	3.650E+04			8.900E-01 0.074		2.000E+00 2.509	6.513E+01 6.804	6.802E+01 2.857
PR-144 CURIES % OF TOTAL	1.200E-02							9.500E-02 0.004
RU-103 CURIES % OF TOTAL	3.924E+01	2.200E-03 0.016	1.240E-02 0.038		1.800E-03 0.010	2.000E-04		2.370E-02 0.001
SB-124 CURIES % OF TOTAL	6.020E+01	1.200E-03 0.009				1.100E-03 0.001		8.494E-03
SB-125 CURIES % OF TOTAL	1.007E+03			2.100E+01 1.743			4.000E+00 0.418	2.501E+01 1.051
SC-46 CURIES % OF TOTAL	8.382E+01	3.000E-04 0.002	1.300E-02 0.040	4.940E+01 4.101	1.200E-03 0.007		5.500E-01 0.057	5.022E+01 2.110
SE-75 CURIES % OF TOTAL	1.198E+02	2.000E-03 0.015			4.000E-03 0.022	4.000E-04		2.000E-02 0.001
SN-113 CURIES % OF TOTAL	1.151E+02			1.800E+01 1.494				1.800E+01 0.756
SN-117M CURIES % OF TOTAL	1.360E+01			1.120E+02 9.297				1.120E+02 4.705
SR-89 CURIES % OF TOTAL	5.052E+01							9.000E-03

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ATR DISPOSED SOLID WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
SR-90	1.059E+04	9.000E-03	2.439E-01		1.280E-02	1.000E-03		2.933E-01
CURIES		0.067	0.748		0.071	0.001		0.012
% OF TOTAL								
TA-182	1.145E+02				1.400E-03			8.064E-03
CURIES					0.008			
% OF TOTAL								
TE-129M	5.800E+01						1.000E+00	1.000E+00
CURIES							0.104	0.042
% OF TOTAL								
ZN-65	2.438E+02	1.547E-01	6.526E-01	7.063E+02	3.820E-02	1.163E+01	4.411E+01	7.634E+02
CURIES		1.152	2.002	58.629	0.211	13.423	4.609	32.070
% OF TOTAL								
ZR-95	6.403E+01	2.000E-03	7.810E-02		1.060E-02			1.654E-01
CURIES		0.015	0.240		0.059			0.007
% OF TOTAL								
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)		1.343E+01	3.259E+01	1.205E+03	1.810E+01	8.662E+01	9.571E+02	2.380E+03

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ETR DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
AM-241 CURIES % OF TOTAL GRUWS	1.577E+05							3.256E-06 9.465E-07
CE-144 CURIES % OF TOTAL	2.844E+02			1.000E-03 0.189				1.000E-03 0.002
CO-60 CURIES % OF TOTAL	1.924E+03			2.895E-01 54.830				6.818E-01 1.247
CR-51 CURIES % OF TOTAL	2.770E+01			8.000E-03 1.515				8.000E-03 0.015
CS-134 CURIES % OF TOTAL	7.537E+02			3.700E-03 0.701				1.641E+00 3.002
CS-137 CURIES % OF TOTAL	1.101E+04			1.460E-01 27.652				5.181E+01 94.776
EU-152 CURIES % OF TOTAL	4.891E+03			1.600E-03 0.303				2.305E-03 0.004
EU-154 CURIES % OF TOTAL	3.103E+03			1.600E-03 0.303				3.405E-01 0.623
EU-155 CURIES % OF TOTAL	1.727E+03							1.045E-01 0.191
H-3 CURIES % OF TOTAL	4.490E+03			1.300E-03 0.246				1.300E-03 0.002
MN-54 CURIES % OF TOTAL	3.122E+02			3.600E-03 0.682				3.600E-03 0.007
SR-90 CURIES % OF TOTAL	1.059E+04			6.510E-02 12.330				6.510E-02 0.119

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ETR DISPOSED SOLID WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
ZN-65	2.438E+02			6.600E-03				6.600E-03
CURIES				1.250				0.012
% OF TOTAL								
TOTALS								
ALPHA CURIES								3.256E-06
% OF TOTAL								
B+G CURIES				5.280E-01				5.466E+01
% OF TOTAL				100.000				100.000
TOTAL GRAMS OF AM								9.465E-07
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)				5.374E+00				1.308E+01
WEIGHT (KILOGRAMS)				6.350E+03				1.452E+04
GRAND TOTALS (CURIES)				5.280E-01				5.466E+01

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MTR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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) 2.868E-14 9.196E-15 6.719E-15 6.448E-22 4.00E-10
CURIES 4.350E-07 1.350E-07 1.200E-06
UNCERT(CURIES) 4.840E-08 2.860E-08
UNCERT(UC/ML)
% OF TOTAL 28.592 16.238 8.981

GROSS-ALPHA
CONCEN (UC/ML) 2.323E-15 1.905E-14 1.081E-15 1.117E-15 1.068E-15 1.376E-15 2.687E-15 2.579E-22
CURIES 3.410E-08 2.890E-07 1.640E-08 1.640E-08 1.620E-08 2.020E-08 4.799E-07
UNCERT(CURIES) 5.960E-09 2.080E-08 4.650E-09 5.120E-09 5.930E-09 5.650E-09
UNCERT(UC/ML)
% OF TOTAL 5.828 21.911 1.078 1.973 1.677 3.732 3.591

GROSS-BETA
CONCEN (UC/ML) 3.753E-14 6.790E-14 7.053E-14 4.632E-14 6.262E-14 3.549E-14 6.253E-14 6.001E-21
CURIES 5.510E-07 1.030E-06 1.070E-06 6.800E-07 9.500E-07 5.210E-07 1.117E-05
UNCERT(CURIES) 2.380E-08 4.720E-08 4.310E-08 2.810E-08 4.030E-08 2.360E-08
UNCERT(UC/ML)
% OF TOTAL 94.172 78.090 70.330 81.790 98.323 96.268 83.588

SR-90 1.059E+04
CONCEN (UC/ML) 2.872E-15 2.756E-22 9.00E-12
CURIES 5.130E-07
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL 3.839

TOTALS
ALPHA CURIES 3.410E-08 2.890E-07 1.640E-08 1.640E-08 1.620E-08 2.020E-08 4.799E-07
% OF TOTAL 5.828 21.911 1.078 1.973 1.677 3.732 3.591
B+G CURIES 5.510E-07 1.030E-06 1.050E-06 8.150E-07 9.500E-07 5.210E-07 1.288E-05
% OF TOTAL 94.172 78.090 98.922 98.027 98.323 96.268 96.408

VOLUME (CU. METERS) 1.468E+07 1.517E+07 1.517E+07 1.468E+07 1.517E+07 1.468E+07 1.786E+08
GRAND TOTALS (CURIES) 5.851E-07 1.319E-06 1.521E-06 8.314E-07 9.662E-07 5.412E-07 1.336E-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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TRA/TRA-A
YEARLY
RELEASE
% OF CG

TRA HOT CELL AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

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)		1.925E-15	6.809E-16	1.462E-15	1.206E-15	4.891E-17	1.613E-15	6.925E-16	2.881E-23		
CURIES		7.770E-09	2.840E-09	6.100E-09	4.870E-09	2.040E-10	6.510E-09	3.401E-08			
UNCERT(CURIES)		2.260E-09	1.790E-09	2.190E-09	2.230E-09	2.270E-09	2.650E-09				
UNCERT(UC/ML)		0.129	0.173	9.744	12.561	0.472	10.566	0.286			
% OF TOTAL											
GROSS-BETA											
CONCEN (UC/ML)		3.963E-13	5.970E-14	1.355E-14	8.397E-15	1.031E-14	1.365E-14	4.957E-14	2.062E-21		
CURIES		1.600E-06	2.490E-07	5.650E-08	3.390E-08	4.300E-08	5.510E-08	2.434E-06			
UNCERT(CURIES)		7.460E-08	1.240E-08	6.130E-09	5.100E-09	5.620E-09	5.660E-09				
UNCERT(UC/ML)		26.650	15.129	90.256	87.439	99.528	89.434	20.457			
% OF TOTAL											
HG-203											
CONCEN (UC/ML)	4.659E+01	1.432E-13	3.021E-13					7.143E-14	2.971E-21	2.00E-09	
CURIES		5.780E-07	1.260E-06					3.508E-06			
UNCERT(CURIES)		9.720E-08	1.180E-07								
UNCERT(UC/ML)		9.627	76.557					29.478			
% OF TOTAL											
I-131											
CONCEN (UC/ML)	8.040E+00							3.787E-14	1.575E-21	4.00E-10	
CURIES								1.860E-06			
UNCERT(CURIES)											
UNCERT(UC/ML)								15.630			
% OF TOTAL											
IR-192											
CONCEN (UC/ML)	7.383E+01							5.009E-15	2.084E-22	5.00E-10	
CURIES								2.460E-07			
UNCERT(CURIES)											
UNCERT(UC/ML)								2.067			
% OF TOTAL											
NB-95											
CONCEN (UC/ML)	3.498E+01	7.753E-13						6.373E-14	2.651E-21	3.00E-09	
CURIES		3.130E-06						3.130E-06			
UNCERT(CURIES)		1.550E-07									
UNCERT(UC/ML)								26.301			
% OF TOTAL		52.134									
SR-90											
CONCEN (UC/ML)	1.059E+04	1.241E-15						1.020E-16	4.243E-24	9.00E-12	
CURIES		5.010E-09						5.010E-09			
UNCERT(CURIES)		6.670E-10									
UNCERT(UC/ML)								0.042			
% OF TOTAL		0.083									

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TRA HOT CELL 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
ZR-95	6.403E+01									
CONCEN (UC/ML)		1.692E-13							1.391E-14	5.785E-22
CURIES		6.830E-07							6.830E-07	6.00E-10
UNCERT(CURIES)		6.490E-08								
UNCERT(UC/ML)										
% OF TOTAL		11.376							5.739	

TOTALS										
ALPHA CURIES		7.770E-09	2.840E-09	6.100E-09	4.870E-09	2.040E-10	6.510E-09	3.401E-08		
% OF TOTAL		0.129	0.173	9.744	12.561	0.472	10.566	0.286		
B+G CURIES		5.996E-06	1.643E-06	5.650E-08	3.390E-08	4.300E-08	5.510E-08	1.187E-05		
% OF TOTAL		99.871	99.827	90.256	87.439	99.528	89.434	99.714		
VOLUME (CU. METERS)		4.037E+06	4.171E+06	4.171E+06	4.037E+06	4.171E+06	4.037E+06	4.911E+07		
GRAND TOTALS (CURIES)		6.004E-06	1.646E-06	6.260E-08	3.877E-08	4.320E-08	6.161E-08	1.190E-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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TRA LIQUID WASTE SUMMARY
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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
AG-110M	2.498E+02							1.343E-08	1.00E-05	0.13
CONCEN (UC/ML)								1.326E-03		
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.001		
CE-141	3.250E+01							6.844E-08	5.00E-05	0.14
CONCEN (UC/ML)		2.240E-07						6.755E-03		
CURIES		1.973E-03								
UNCERT(CURIES)										
UNCERT(UC/ML)		1.000E-08								
% OF TOTAL		0.010						0.004		
CE-144	2.844E+02							1.650E-07	7.00E-06	0.94
CONCEN (UC/ML)								1.127E-03		
CURIES										
UNCERT(CURIES)								4.900E-08		
UNCERT(UC/ML)								0.006		
% OF TOTAL								0.004		
CO-60	1.924E+03							1.920E-07	5.00E-06	9.92
CONCEN (UC/ML)		7.500E-07	1.730E-06	3.930E-07	1.410E-07	2.000E-07	1.920E-07	4.962E-07		
CURIES		6.606E-03	1.691E-02	3.511E-03	1.070E-03	1.715E-03	1.312E-03	4.897E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)		2.700E-08	3.006E-08	2.000E-08	1.800E-08	1.800E-08	1.900E-08			
% OF TOTAL		0.033	0.372	0.029	0.007	0.012	0.007	0.030		
CR-51	2.770E+01							2.512E-05	1.00E-03	2.51
CONCEN (UC/ML)		2.170E-05	5.850E-05	1.090E-05	6.360E-06	2.330E-05	2.670E-05	2.479E+00		
CURIES		1.911E-01	5.718E-01	9.737E-02	4.827E-02	1.998E-01	1.824E-01			
UNCERT(CURIES)										
UNCERT(UC/ML)		3.000E-07	4.000E-07	2.000E-07	1.200E-07	3.000E-07	2.000E-07			
% OF TOTAL		0.951	12.577	0.794	0.322	1.383	1.039	1.499		
CS-137	1.101E+04							2.190E-08	3.00E-06	0.73
CONCEN (UC/ML)								2.162E-03		
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL								0.001		
GROSS-BETA								3.728E-06		
CONCEN (UC/ML)		5.700E-06	1.400E-05	2.000E-06	8.000E-07	1.500E-06	2.600E-06			
CURIES		5.021E-02	1.369E-01	1.787E-02	6.072E-03	1.286E-02	1.776E-02	3.679E-01		
UNCERT(CURIES)										
UNCERT(UC/ML)		9.000E-07	2.000E-06	3.000E-07	1.000E-07	2.000E-07	4.000E-07			
% OF TOTAL		0.250	3.010	0.146	0.040	0.089	0.101	0.223		

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

 TRA LIQUID WASTE SUMMARY
 FOR JAN THROUGH DEC 1991

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 TRA-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)		2.250E-03	3.900E-04	1.360E-03	1.970E-03	1.660E-03	2.540E-03	1.645E-03	2.00E-03	82.26
CURIES		1.982E+01	3.812E+00	1.215E+01	1.495E+01	1.423E+01	1.735E+01	1.624E+02		
UNCERT(CURIES)										
UNCERT(UC/ML)		6.000E-05	1.000E-05	3.000E-05	2.000E-05	3.000E-05	5.000E-04			
% OF TOTAL		98.583	83.846	99.021	99.631	98.516	98.840	98.196		
HF-181	4.240E+01									
CONCEN (UC/ML)		1.030E-06	5.000E-07					1.598E-07	3.00E-05	0.53
CURIES		9.072E-03	4.887E-03					1.577E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)		2.000E-08	1.200E-08					0.010		
% OF TOTAL		0.045	0.107							
I-131	8.040E+00									
CONCEN (UC/ML)								1.284E-07	3.00E-06	4.28
CURIES								1.267E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)								0.008		
% OF TOTAL										
MO-99	2.747E+00									
CONCEN (UC/ML)								3.746E-08	3.00E-05	0.12
CURIES								3.697E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)								0.002		
% OF TOTAL										
NB-95	3.498E+01									
CONCEN (UC/ML)		6.300E-07	1.470E-07					7.079E-08	6.00E-05	0.12
CURIES		5.549E-03	1.437E-03					6.986E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)		2.100E-08	1.200E-08					0.004		
% OF TOTAL		0.028	0.032							
RE-188	7.075E-01									
CONCEN (UC/ML)								2.095E-08	5.00E-05	0.04
CURIES								2.068E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)								0.001		
% OF TOTAL										
RU-103	3.924E+01									
CONCEN (UC/ML)		7.110E-07						6.346E-08	5.00E-05	0.13
CURIES		6.262E-03						6.262E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)		1.900E-08						0.004		
% OF TOTAL		0.031								

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IDAHO OPERATIONS OFFICE
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RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

SCHED. NO. P61PH009-F

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TRA-L

TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	CG #	% OF CG
SR-90	1.059E+04						1.570E-07	1.087E-08	1.00E-06	1.09
CONCEN (UC/ML)							1.073E-03	1.073E-03		
CURIES							9.000E-09	0.001		
UNCERT(CURIES)							0.006			
UNCERT(UC/ML)										
% OF TOTAL										
M-137	9.958E-01			1.560E-07				1.412E-08	5.00E-05	0.03
CONCEN (UC/ML)				1.394E-03				1.394E-03		
CURIES				8.000E-09				0.001		
UNCERT(CURIES)				0.011						
UNCERT(UC/ML)										
% OF TOTAL										
ZN-65	2.438E+02	1.360E-07						4.173E-08	9.00E-06	0.46
CONCEN (UC/ML)		1.198E-03						4.118E-03		
CURIES		3.100E-08						0.002		
UNCERT(CURIES)		0.006								
UNCERT(UC/ML)										
% OF TOTAL										
ZR-95	6.403E+01	1.470E-06	2.600E-07					1.569E-07	4.00E-05	0.39
CONCEN (UC/ML)		1.295E-02	2.541E-03					1.549E-02		
CURIES		4.000E-08	2.000E-08					0.009		
UNCERT(CURIES)		0.064	0.056							
UNCERT(UC/ML)										
% OF TOTAL										
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+6 CURIES		2.010E+01	4.547E+00	1.227E+01	1.501E+01	1.445E+01	1.756E+01	1.653E+02		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (LITERS)		8.808E+06	9.775E+06	8.933E+06	7.590E+06	8.573E+06	6.832E+06	9.869E+07		
GRAND TOTALS (CURIES)		2.010E+01	4.547E+00	1.227E+01	1.501E+01	1.445E+01	1.756E+01	1.653E+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.

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

RUN DATE: 05/21/92

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

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TRA/TRA-A

ALPHA LAB AIR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

YEARLY
RELEASE
% OF CG

ANNUAL
AVG CONCN/
TOT CURIES

YEARLY
RELEASE* CG**

JUNE

MAY

APRIL

MARCH

FEBRUARY

JANUARY

HALF LIFE
(DAYS)

NUCLIDES

GROSS-ALPHA
CONCN (UC/ML) 8.983E-17 1.452E-16 1.605E-16 4.000E-17 7.418E-17 1.803E-23

CURIES 1.590E-09 2.570E-09 2.840E-09 7.080E-10 7.708E-09

UNCERT(CURIES) 2.500E-09 3.220E-09 2.320E-09 2.170E-09

UNCERT(UC/ML) 1.330 2.955 4.730 1.402 1.644

% OF TOTAL

GROSS-BETA
CONCN (UC/ML) 6.667E-15 4.768E-15 6.258E-15 3.232E-15 3.018E-15 4.437E-15 1.078E-21

CURIES 1.180E-07 8.440E-08 1.000E-07 5.720E-08 5.170E-08 4.980E-08 4.611E-07

UNCERT(CURIES) 9.160E-09 7.170E-09 7.840E-09 6.730E-09 6.210E-09 6.000E-09

UNCERT(UC/ML) 98.670 97.045 100.000 95.270 100.000 98.598 98.356

% OF TOTAL

TOTALS
ALPHA CURIES 1.590E-09 2.570E-09 2.840E-09 7.080E-10 7.708E-09

% OF TOTAL 1.330 2.955 4.730 1.402 1.644

B+G CURIES 1.180E-07 8.440E-08 1.000E-07 5.720E-08 5.170E-08 4.980E-08 4.611E-07

% OF TOTAL 98.670 97.045 100.000 95.270 100.000 98.598 98.356

VOLUME (CU. METERS) 1.770E+07 1.770E+07 1.770E+07 1.770E+07 1.770E+07 1.770E+07 1.039E+08

GRAND TOTALS (CURIES) 1.196E-07 8.697E-08 1.000E-07 6.004E-08 5.170E-08 5.051E-08 4.688E-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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RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

ATR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

ATR AIRBORNE WASTE SUMMARY													PAGE	1 RPT.	120
FOR JAN THROUGH JUN 1991													TRA/ATR-A		
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG			
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*						
AR-41 7.625E+02															
CONCEN (UC/ML)		4.574E-06	4.431E-06	5.896E-06	2.802E-06	5.420E-06	5.073E-06	4.676E-06	1.289E-12	1.00E-08		0.01			
CURIES		2.744E+02	2.719E+02	3.204E+02	1.675E+02	3.138E+02	3.041E+02	1.652E+03							
UNCERT(CURIES)		1.200E+00	1.700E+00	1.800E+00	1.400E+00	1.500E+00	1.400E+00								
UNCERT(UC/ML)															
% OF TOTAL		92.732	93.598	92.708	90.751	66.820	93.794	86.478							
AS-76 1.096E+00															
CONCEN (UC/ML)				2.784E-13				4.282E-14	1.180E-20	4.00E-09					
CURIES				1.513E-05				1.513E-05							
UNCERT(CURIES)				1.900E-06											
UNCERT(UC/ML)															
% OF TOTAL															
BA-139 5.771E-02															
CONCEN (UC/ML)		6.553E-11	3.055E-11	6.356E-11	1.011E-10	4.349E-10	9.666E-11	1.310E-10	3.610E-17	7.00E-08					
CURIES		3.931E-03	1.875E-03	3.454E-03	6.042E-03	2.518E-02	5.794E-03	4.628E-02							
UNCERT(CURIES)		1.390E-04	8.600E-05	1.170E-04	1.580E-04	4.200E-04	1.940E-04								
UNCERT(UC/ML)															
% OF TOTAL		0.001	0.001	0.001	0.003	0.005	0.002	0.002							
BA-140 1.276E+01															
CONCEN (UC/ML)						1.567E-13		2.568E-14	7.078E-21	3.00E-09					
CURIES						9.073E-06		9.073E-06							
UNCERT(CURIES)						2.240E-06									
UNCERT(UC/ML)															
% OF TOTAL															
CE-141 3.250E+01															
CONCEN (UC/ML)							2.020E-14	3.427E-15	9.447E-22	1.00E-09					
CURIES							1.211E-06	1.211E-06							
UNCERT(CURIES)							1.870E-07								
UNCERT(UC/ML)															
% OF TOTAL															
CO-58 7.091E+01															
CONCEN (UC/ML)						1.213E-14		1.987E-15	5.478E-22	2.00E-09					
CURIES						7.022E-07		7.022E-07							
UNCERT(CURIES)						1.490E-07									
UNCERT(UC/ML)															
% OF TOTAL															
CO-60 1.924E+03															
CONCEN (UC/ML)		7.903E-14	5.133E-14	8.180E-14	8.240E-14	1.569E-13	1.030E-13	9.205E-14	2.537E-20	8.00E-11					
CURIES		4.741E-06	3.150E-06	4.445E-06	4.926E-06	9.087E-06	6.173E-06	3.252E-05							
UNCERT(CURIES)		5.680E-07	3.720E-07	6.850E-07	7.990E-07	6.210E-07	1.100E-06								
UNCERT(UC/ML)															
% OF TOTAL															

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

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TRA/ATR-A
ANNUAL
AVG CONCEN/
TOT CURIES
YEARLY
RELEASE*
CG**
YEARLY
RELEASE
% OF CG

ATR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG
CR-51	2.770E+01										
CONCEN (UC/ML)		1.348E-11	1.382E-11	1.638E-11	4.983E-12	1.211E-11	1.121E-11	1.194E-11	3.291E-18	5.00E-08	
CURIES		8.087E-04	8.483E-04	8.902E-04	2.979E-04	7.012E-04	6.722E-04	4.219E-03			
UNCERT(CURIES)		1.300E-05	1.210E-05	1.030E-05	7.600E-06	1.040E-05	9.100E-06				
UNCERT(UC/ML)											
% OF TOTAL											
CS-137	1.101E+04										
CONCEN (UC/ML)		1.219E-14	2.703E-14	3.555E-14	1.779E-14	2.576E-14	1.406E-14	1.957E-14	5.395E-21	4.00E-10	
CURIES		7.478E-07	1.469E-06	2.125E-06	1.030E-06	1.544E-06	6.916E-06				
UNCERT(CURIES)		3.250E-07	4.250E-07	5.380E-07	4.200E-07	3.970E-07					
UNCERT(UC/ML)											
% OF TOTAL											
CS-138	2.236E-02										
CONCEN (UC/ML)		7.991E-10	4.796E-10	8.958E-10	1.562E-09	7.459E-09	1.406E-09	2.082E-09	5.739E-16	8.00E-09	
CURIES		4.794E-02	2.943E-02	4.868E-02	9.340E-02	4.319E-01	8.426E-02	7.356E-01			
UNCERT(CURIES)		7.200E-04	6.300E-04	8.200E-04	1.220E-03	4.400E-03	1.210E-03				
UNCERT(UC/ML)											
% OF TOTAL		0.016	0.010	0.014	0.051	0.092	0.026	0.039			
GROSS-ALPHA											
CONCEN (UC/ML)		5.351E-15						9.085E-16	2.504E-22		
CURIES		3.210E-07						3.210E-07			
UNCERT(CURIES)		1.480E-07									
UNCERT(UC/ML)											
% OF TOTAL											
GROSS-BETA											
CONCEN (UC/ML)		1.362E-12	7.712E-13	1.833E-12	1.950E-12	2.516E-12	6.682E-13	1.503E-12	4.142E-19		
CURIES		8.172E-05	4.733E-05	9.958E-05	1.166E-04	1.457E-04	4.005E-05	5.310E-04			
UNCERT(CURIES)		1.140E-05	5.920E-06	1.660E-05	1.980E-05	2.330E-05	6.690E-06				
UNCERT(UC/ML)											
% OF TOTAL											
HG-203	4.659E+01										
CONCEN (UC/ML)		3.884E-13	4.077E-13	3.975E-13	3.777E-13	7.102E-13	7.147E-13	4.994E-13	1.377E-19	2.00E-09	
CURIES		2.330E-05	2.502E-05	2.160E-05	2.258E-05	4.112E-05	4.284E-05	1.765E-04			
UNCERT(CURIES)		1.500E-06	1.630E-06	1.360E-06	1.300E-06	2.360E-06	2.480E-06				
UNCERT(UC/ML)											
% OF TOTAL											
I-131	8.040E+00										
CONCEN (UC/ML)		3.281E-12	5.326E-13	1.753E-13	6.219E-13	1.769E-12	3.217E-13	1.126E-12	3.104E-19	4.00E-10	
CURIES		1.968E-04	3.268E-05	9.527E-06	3.718E-05	1.024E-04	1.928E-05	3.979E-04			
UNCERT(CURIES)		6.937E-06	2.965E-06	1.790E-06	3.030E-06	5.400E-06	2.610E-06				
UNCERT(UC/ML)											
% OF TOTAL											

RUN DATE: 05/21/92

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TRA/ATR-A
YEARLY
RELEASE
% OF CG

ATR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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							1.170E-12	1.188E-12	2.00E-09
CONCEN (UC/ML)		3.146E-12			2.693E-12			7.012E-05	4.198E-04	
CURIES		1.887E-04			1.610E-04			1.460E-05		
UNCERT(CURIES)		2.430E-05			2.450E-05					
UNCERT(UC/ML)										
% OF TOTAL										
IR-192										
	7.383E+01							1.328E-13	2.253E-14	5.00E-10
CONCEN (UC/ML)								7.960E-06	7.960E-06	
CURIES								4.150E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
KR-85M										
	1.867E-01							1.551E-08	3.488E-08	1.00E-07
CONCEN (UC/ML)		1.219E-08	1.101E-08	1.995E-08	1.257E-08	1.408E-07		9.294E-01	1.232E+01	
CURIES		7.310E-01	6.757E-01	1.084E+00	7.517E-01	8.151E+00		8.250E-02		
UNCERT(CURIES)		7.320E-02	1.210E-01	1.050E-01	8.710E-02	1.300E-01				
UNCERT(UC/ML)										
% OF TOTAL		0.247	0.233	0.314	0.407	1.736		0.287	0.645	
KR-87										
	5.278E-02							1.043E-07	2.874E-14	2.00E-08
CONCEN (UC/ML)		4.309E-08	4.240E-08	5.276E-08	3.983E-08	4.121E-07		2.544E+00	3.614E+01	
CURIES		2.585E+00	2.602E+00	2.867E+00	2.381E+00	2.386E+01		1.960E-01		
UNCERT(CURIES)		1.800E-01	2.910E-01	2.810E-01	2.470E-01	4.300E-01				
UNCERT(UC/ML)										
% OF TOTAL		0.874	0.896	0.830	1.290	5.081		0.785	1.928	
KR-88										
	1.183E-01							1.071E-07	2.952E-14	9.00E-09
CONCEN (UC/ML)		3.807E-08	3.989E-08	6.943E-08	3.337E-08	4.307E-07		2.396E+00	3.784E+01	
CURIES		2.284E+00	2.448E+00	3.773E+00	1.995E+00	2.494E+01		3.780E-01		
UNCERT(CURIES)		3.950E-01	7.180E-01	7.040E-01	4.830E-01	4.300E-01				
UNCERT(UC/ML)										
% OF TOTAL		0.772	0.843	1.092	1.081	5.311		0.739	1.980	
LA-140										
	1.678E+00							6.467E-14	1.783E-20	3.00E-09
CONCEN (UC/ML)								2.285E-05		
CURIES								3.946E-13		
UNCERT(CURIES)								2.285E-05		
UNCERT(UC/ML)								3.160E-06		
% OF TOTAL										
HN-54										
	3.122E+02							4.278E-14	7.257E-15	2.00E-21
CONCEN (UC/ML)								2.564E-06		
CURIES								4.300E-07		
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										

RUN DATE: 05/21/92

IDAHO OPERATIONS OFFICE
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ATR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

PAGE 4 RPT. 120
TRA/ATR-A

YEARLY
RELEASE
% OF CG

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE* CG**

HALF LIFE
(DAYS)

NUCLIDES

JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE

2.074E-12
1.243E-04
1.880E-05

3.518E-13
1.243E-04
1.880E-05

9.697E-20
1.00E-08

1.075E-01

CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

8.331E-12
4.998E-04
1.320E-05

3.795E-12
2.329E-04
8.400E-06

1.853E-11
1.007E-03
1.800E-05

6.377E-12
3.812E-04
1.480E-05

7.180E-12
4.157E-04
2.580E-05

1.242E-11
7.447E-04
2.450E-05

9.287E-12
3.281E-03

2.560E-18
4.00E-09

6.237E-01

CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

8.930E-13
5.357E-05
3.890E-06

9.389E-13
5.762E-05
3.970E-06

3.237E-12
1.759E-04
5.700E-06

1.094E-12
6.541E-05
4.000E-06

4.199E-13
2.431E-05
3.310E-06

6.867E-13
4.116E-05
3.600E-06

1.183E-12
4.180E-04

3.261E-19
3.00E-09

1.540E+01

CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

5.831E-10
3.498E-02
4.110E-03

3.868E-10
2.374E-02
2.710E-03

6.737E-10
3.661E-02
2.960E-03

1.320E-09
7.889E-02
6.540E-03

9.199E-09
5.326E-01
1.500E-02

2.172E-09
7.674E-01
6.080E-03

5.987E-16
3.00E-08

1.229E-02

CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

8.385E-10
5.030E-02
2.350E-03

4.404E-10
2.703E-02
1.160E-03

8.386E-10
4.557E-02
1.600E-03

1.674E-09
1.001E-01
3.700E-03

8.857E-09
5.128E-01
8.400E-03

2.304E-09
8.142E-01
3.900E-03

6.352E-16
9.00E-09

1.056E-02

CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

4.677E-13
2.806E-05
2.710E-06

1.185E-12
7.272E-05
9.110E-06

4.925E-13
2.676E-05
4.580E-06

1.674E-09
1.001E-01
3.700E-03

8.857E-09
5.128E-01
8.400E-03

2.304E-09
8.142E-01
3.900E-03

6.352E-16
9.00E-09

7.075E-01

CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

5.498E-15
3.298E-07
2.640E-08

7.712E-16
4.733E-08
1.180E-08

7.330E-15
3.983E-07
3.310E-08

4.118E-15
2.462E-07
1.970E-08

2.915E-14
1.688E-06
1.010E-07

7.461E-15
4.472E-07
3.000E-08

8.935E-15
3.157E-06

2.463E-21
9.00E-12

1.059E+04

CONCEN (UC/ML)
CURIES
UNCERT(CURIES)
UNCERT(UC/ML)
% OF TOTAL

SCHED. NO. P61PM009-D

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

RUN DATE: 05/21/92

ATR AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991												PAGE 5 RPT. 120 TRA/ATR-A
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		YEARLY RELEASE* CG**	YEARLY RELEASE % OF CG	
								AVG CONCEN/ TOT CURIES	CURIES			
TC-99M												
CONCEN (UC/ML)	2.504E-01	1.071E-11	7.536E-12	7.967E-12	4.241E-12	7.368E-12	4.486E-12	7.039E-12	1.940E-18	1.00E-07		
CURIES		6.426E-04	4.625E-04	4.329E-04	2.535E-04	4.266E-04	2.689E-04	2.487E-03				
UNCERT(CURIES)		9.800E-06	8.100E-06	9.500E-06	7.100E-06	1.570E-05	9.700E-06					
UNCERT(UC/ML)												
% OF TOTAL												
XE-133												
CONCEN (UC/ML)	5.250E+00	1.824E-08	2.167E-08	2.021E-08	1.233E-08	1.576E-07		3.788E-08	1.044E-14	5.00E-07		
CURIES		1.094E+00	1.330E+00	1.098E+00	7.370E-01	9.125E+00		1.338E+01				
UNCERT(CURIES)		2.380E-01	3.770E-01	3.550E-01	2.910E-01	3.280E-01						
UNCERT(UC/ML)												
% OF TOTAL		0.370	0.458	0.318	0.399	1.943		0.701				
XE-135												
CONCEN (UC/ML)	3.792E-01	4.687E-08	4.769E-08	7.216E-08	4.498E-08	3.693E-07	5.349E-08	1.045E-07	2.881E-14	8.00E-08		
CURIES		2.812E+00	2.927E+00	3.921E+00	2.689E+00	2.138E+01	3.206E+00	3.694E+01				
UNCERT(CURIES)		8.300E-02	1.230E-01	1.100E-01	1.140E-01	2.200E-01	1.040E-01					
UNCERT(UC/ML)												
% OF TOTAL		0.950	1.008	1.135	1.457	4.553	0.989	1.933				
XE-135M												
CONCEN (UC/ML)	1.062E-02	2.772E-08	3.228E-08	4.522E-08	2.655E-08	1.753E-07	2.681E-08	5.504E-08	1.517E-14	5.00E-08		
CURIES		1.663E+00	1.981E+00	2.457E+00	1.587E+00	1.015E+01	1.607E+00	1.945E+01				
UNCERT(CURIES)		2.870E-01	4.590E-01	4.200E-01	3.470E-01	4.200E-01	2.800E-01					
UNCERT(UC/ML)												
% OF TOTAL		0.562	0.682	0.711	0.860	2.161	0.496	1.018				
XE-138												
CONCEN (UC/ML)	9.792E-03	1.700E-07	1.068E-07	1.816E-07	1.113E-07	9.794E-07	1.537E-07	2.807E-07	7.738E-14	2.00E-08		
CURIES		1.020E+01	6.552E+00	9.867E+00	6.651E+00	5.671E+01	9.210E+00	9.919E+01				
UNCERT(CURIES)		8.000E-01	8.660E-01	7.630E-01	8.020E-01	8.700E-01	5.690E-01					
UNCERT(UC/ML)												
% OF TOTAL		3.447	2.255	2.855	3.603	12.076	2.841	5.192				
Y-91M												
CONCEN (UC/ML)	3.451E-02					9.252E-12		1.516E-12	4.179E-19	4.00E-08		
CURIES						5.357E-04		5.357E-04				
UNCERT(CURIES)						1.870E-04						
UNCERT(UC/ML)												
% OF TOTAL												

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TRA/ATR-A

RELEASE	% OF CG
100	100
90	90
80	80
70	70
60	60
50	50
40	40
30	30
20	20
10	10
0	0

JUNE

APRIL

MARCH

FEBRUARY

JANUARY

(DAYS)

NUCLIDES

3.210E-07

ALPHA CURIES

% OF TOTAL

B+G CURIES

% OF TOTAL

VOLUME 1 CU.

GRAND TOTALS (CURIES)

* 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/ATR-S

ATR DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
AG-110M CURIES % OF TOTAL	2.498E+02	4.034E-03 0.026	8.262E-04 0.140				2.333E-03 0.143	7.193E-03 0.011
BA-140 CURIES % OF TOTAL	1.276E+01	4.034E-02 0.264	8.262E-03 1.395	7.000E-04 0.019			2.333E-02 1.432	7.263E-02 0.107
BR-82 CURIES % OF TOTAL	1.471E+00	1.000E-03 0.007						1.000E-03 0.001
CE-141 CURIES % OF TOTAL	3.250E+01	3.305E-03 0.022	8.262E-04 0.140	1.450E-02 0.031	5.000E-03 0.135		2.333E-03 0.143	2.596E-02 0.038
CE-144 CURIES % OF TOTAL	2.844E+02			4.580E-02 0.098	5.230E-02 1.408			9.810E-02 0.145
CO-57 CURIES % OF TOTAL	2.718E+02			1.800E-03 0.004				1.800E-03 0.003
CO-58 CURIES % OF TOTAL	7.091E+01	5.396E-02 0.354	1.101E-02 1.859	2.970E-01 0.636	1.738E-01 4.680		3.109E-02 1.909	5.669E-01 0.835
CO-60 CURIES % OF TOTAL	1.924E+03	1.620E+00 10.617	3.330E-01 56.226	8.982E-01 1.924	8.224E-01 22.145		9.356E-01 57.443	4.609E+00 6.791
CR-51 CURIES % OF TOTAL	2.770E+01	1.288E+01 84.384	1.101E-01 18.590	4.496E+01 96.309	2.203E+00 59.321		3.109E-01 19.088	6.046E+01 89.072
CS-134 CURIES % OF TOTAL	7.537E+02	5.500E-03 0.036	1.109E-03 0.187	3.800E-03 0.008	2.300E-03 0.062		3.117E-03 0.191	1.583E-02 0.023
CS-137 CURIES % OF TOTAL	1.101E+04	4.064E-02 0.266	8.262E-03 1.395	3.700E-03 0.008	8.300E-03 0.223		2.333E-02 1.432	8.423E-02 0.124
EU-152 CURIES % OF TOTAL	4.891E+03	1.212E-02 0.079	3.029E-03 0.511				8.553E-03 0.525	2.370E-02 0.035

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

ATR DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
EU-154 CURIES % OF TOTAL	3.103E+03	7.709E-03 0.051	1.927E-03 0.325				5.442E-03 0.334	1.508E-02 0.022
FE-59 CURIES % OF TOTAL	4.451E+01	3.361E-02 0.220	6.885E-03 1.163	7.000E-04 0.001			1.944E-02 1.194	6.064E-02 0.089
H-3 CURIES % OF TOTAL	4.490E+03			4.600E-03 0.010	4.200E-03 0.113			8.800E-03 0.013
NF-181 CURIES % OF TOTAL	4.240E+01	1.822E-01 1.194	4.406E-02 7.439	8.400E-03 0.018	2.270E-02 0.611		8.553E-02 5.251	3.429E-01 0.505
I-131 CURIES % OF TOTAL	8.040E+00	7.991E-03 0.052	2.430E-04 0.041	7.600E-03 0.016			6.885E-04 0.042	1.652E-02 0.024
I-132 CURIES % OF TOTAL	9.500E-02	4.190E-02 0.275		1.100E-03 0.002				4.300E-02 0.063
IR-192 CURIES % OF TOTAL	7.383E+01	9.720E-04 0.006	2.430E-04 0.041				6.885E-04 0.042	1.904E-03 0.003
LA-140 CURIES % OF TOTAL	1.678E+00	3.483E-03 0.023	7.128E-04 0.120	7.600E-03 0.016	1.300E-03 0.035		2.017E-03 0.124	1.511E-02 0.022
MN-54 CURIES % OF TOTAL	3.122E+02	5.386E-02 0.353	1.101E-02 1.859	1.060E-01 0.227	7.670E-02 2.065		3.109E-02 1.909	2.787E-01 0.411
NB-95 CURIES % OF TOTAL	3.498E+01	5.996E-02 0.393	1.101E-02 1.859	1.080E-02 0.023	7.900E-03 0.213		3.109E-02 1.909	1.208E-01 0.178
PR-144 CURIES % OF TOTAL	1.200E-02			4.830E-02 0.103	4.670E-02 1.258			9.500E-02 0.140
RU-103 CURIES % OF TOTAL	3.924E+01	3.889E-03 0.025	5.508E-04 0.093	1.100E-03 0.002			1.555E-03 0.095	7.095E-03 0.010

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TRA/ATR-S

ATR DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
SB-124 CURIES % OF TOTAL	6.020E+01	3.133E-03 0.021	3.564E-04 0.060	1.700E-03 0.004			1.004E-03 0.062	6.194E-03 0.009
SB-125 CURIES % OF TOTAL	1.007E+03	8.066E-03 0.053	1.652E-03 0.279				4.665E-03 0.286	1.438E-02 0.021
SC-46 CURIES % OF TOTAL	8.382E+01	1.355E-01 0.888	2.754E-02 4.650	1.010E-02 0.022	4.300E-03 0.116		7.776E-02 4.774	2.552E-01 0.376
SE-75 CURIES % OF TOTAL	1.198E+02	9.600E-03 0.063		4.000E-03 0.009				1.360E-02 0.020
SR-39 CURIES % OF TOTAL	5.052E+01	9.000E-04 0.006						9.000E-04 0.001
SR-90 CURIES % OF TOTAL	1.059E+04			2.000E-03 0.004	2.460E-02 0.662			2.660E-02 0.039
TA-182 CURIES % OF TOTAL	1.145E+02	3.505E-03 0.023	8.262E-04 0.140				2.333E-03 0.143	6.664E-03 0.010
ZN-65 CURIES % OF TOTAL	2.438E+02	1.151E-02 0.075	1.927E-03 0.325	2.355E-01 0.505	2.523E-01 6.794		5.442E-03 0.334	5.067E-01 0.747
ZR-95 CURIES % OF TOTAL	6.403E+01	3.431E-02 0.225	6.885E-03 1.163	8.900E-03 0.019	5.200E-03 0.140		1.944E-02 1.194	7.474E-02 0.110

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES		1.526E+01	5.923E-01	4.668E+01	3.714E+00		1.629E+00	6.787E+01
% OF TOTAL		100.000	100.000	100.000	100.000		100.000	99.998
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)		9.712E+01	1.835E+01	1.132E+01	5.945E+00		5.505E+01	1.878E+02
WEIGHT (KILOGRAMS)		1.370E+04	1.469E+03	1.270E+04	6.350E+03		4.407E+03	3.862E+04
GRAND TOTALS (CURIES)		1.526E+01	5.923E-01	4.668E+01	3.714E+00		1.629E+00	6.787E+01

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 TRA/ETR-S

 ETR DISPOSED SOLID WASTE SUMMARY
 FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
AM-241 CURIES % OF TOTAL GRAMS	1.577E+05					3.256E-06		3.256E-06
						9.465E-07		9.465E-07
CO-60 CURIES % OF TOTAL	1.924E+03					3.923E-01 0.725		3.923E-01 0.725
CS-134 CURIES % OF TOTAL	7.537E+02					1.637E+00 3.024		1.637E+00 3.024
CS-137 CURIES % OF TOTAL	1.101E+04					5.166E+01 95.430		5.166E+01 95.430
EU-152 CURIES % OF TOTAL	4.891E+03					7.047E-04 0.001		7.047E-04 0.001
EU-154 CURIES % OF TOTAL	3.103E+03					3.389E-01 0.626		3.389E-01 0.626
EU-155 CURIES % OF TOTAL	1.727E+03					1.045E-01 0.193		1.045E-01 0.193
TOTALS								
ALPHA CURIES						3.256E-06		3.256E-06
% OF TOTAL								
B+G CURIES						5.413E+01 100.000		5.413E+01 100.000
% OF TOTAL								
TOTAL GRAMS OF AM						9.465E-07		9.465E-07
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)						7.708E+00		7.708E+00
WEIGHT (KILOGRAMS)						8.172E+03		8.172E+03
GRAND TOTALS (CURIES)						5.413E+01		5.413E+01

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PAGE 1 RPT. 123
TRA/TRA-A
YEARLY
RELEASE
% OF CS

MTR AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCN/ TOT CURIES	YEARLY RELEASE* CG**	YEARLY RELEASE % OF CS
CS-137	1.101E+04							7.074E-15	6.789E-22	4.00E-10
CONCN (UC/ML)					4.153E-14			6.300E-07		
CURIES					6.300E-07					
UNCERT(CURIES)					6.020E-08					
UNCERT(UC/ML)										
% OF TOTAL					39.853				8.292	

GROSS-ALPHA								9.835E-16	9.439E-23	
CONCN (UC/ML)		1.365E-15	1.496E-15	1.365E-15	1.503E-15	1.049E-16	7.581E-17	8.759E-08		
CURIES		2.070E-08	2.270E-08	1.870E-08	2.280E-08	1.540E-09	1.150E-09			
UNCERT(CURIES)		5.790E-07	6.420E-09	5.950E-09	5.370E-09	3.970E-09	3.550E-09			
UNCERT(UC/ML)										
% OF TOTAL		3.073	7.474	0.414	1.442	0.519	0.520	1.153		

GROSS-BETA								7.149E-14	6.861E-21	
CONCN (UC/ML)		4.305E-14	1.852E-14	2.912E-13	6.117E-14	2.010E-14	1.450E-14	6.367E-06		
CURIES		6.530E-07	2.810E-07	3.990E-06	9.280E-07	2.950E-07	2.200E-07			
UNCERT(CURIES)		2.800E-08	1.750E-08	1.990E-07	3.500E-08	1.770E-08	1.480E-08			
UNCERT(UC/ML)										
% OF TOTAL		96.927	92.526	88.241	58.704	99.481	99.480	83.803		

SR-90	1.059E+04							5.760E-15	5.528E-22	9.00E-12
CONCN (UC/ML)								5.130E-07		
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL									6.752	

TOTALS								8.759E-08		
ALPHA CURIES		2.070E-08	2.270E-08	1.870E-08	2.280E-08	1.540E-09	1.150E-09	0.520	1.153	
% OF TOTAL		3.073	7.474	0.414	1.442	0.519	0.520	2.200E-07	7.510E-06	
B+G CURIES		6.530E-07	2.810E-07	4.503E-06	1.558E-06	2.950E-07	2.200E-07	99.480	98.847	
% OF TOTAL		96.927	92.526	99.586	98.558	99.481	99.480			

VOLUME (CU. METERS)		1.517E+07	1.517E+07	1.370E+07	1.517E+07	1.468E+07	1.517E+07	8.906E+07		
GRAND TOTALS (CURIES)		6.737E-07	3.037E-07	4.522E-06	1.581E-06	2.965E-07	2.212E-07	7.598E-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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TRA HOT CELL AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991										PAGE 1 RPT. 125 TRA/TRA-A	
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		YEARLY RELEASE % OF CG	
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE* CG**		
GROSS-ALPHA											
CONCEN (UC/ML)		7.768E-16			9.758E-17		4.963E-16	2.335E-16	9.711E-24		
CURIES		3.240E-09			4.070E-10		2.070E-09	5.717E-09			
UNCERT(CURIES)		2.420E-09			1.750E-09		2.040E-09				
UNCERT(UC/ML)											
% OF TOTAL		0.090			0.765		5.298	0.141			
GROSS-BETA											
CONCEN (UC/ML)		1.240E-14	5.898E-15	4.485E-15	1.266E-14	5.301E-14	8.871E-15	1.621E-14	6.743E-22		
CURIES		5.170E-08	2.460E-08	1.690E-08	5.280E-08	2.140E-07	3.700E-08	3.970E-07			
UNCERT(CURIES)		6.240E-09	5.490E-09	4.260E-09	5.870E-09	1.330E-08	5.160E-09				
UNCERT(UC/ML)											
% OF TOTAL		1.442	100.000	100.000	99.235	65.644	94.702	9.815			
HG-203											
CONCEN (UC/ML)	4.659E+01	4.004E-13						6.819E-14	2.837E-21	2.00E-09	
CURIES		1.670E-06						1.670E-06			
UNCERT(CURIES)		1.430E-07									
UNCERT(UC/ML)											
% OF TOTAL		46.584						41.288			
I-131											
CONCEN (UC/ML)	8.040E+00	4.459E-13						7.595E-14	3.159E-21	4.00E-10	
CURIES		1.860E-06						1.860E-06			
UNCERT(CURIES)		2.680E-07									
UNCERT(UC/ML)											
% OF TOTAL		51.884						45.986			
IR-192											
CONCEN (UC/ML)	7.383E+01					2.774E-14		4.573E-15	1.902E-22	5.00E-10	
CURIES						1.120E-07		1.120E-07			
UNCERT(CURIES)						1.410E-08					
UNCERT(UC/ML)											
% OF TOTAL						34.356		2.769			

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**TRA HOT CELL AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991**

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TRA/TRA-A

RELEASE	% OF CG
100	100
90	90
80	80
70	70
60	60
50	50
40	40
30	30
20	20
10	10
0	0

YEARLY
RELEASE

ANNUAL
AVG CONCEN
TOT CURIE

JUNE

MAY

APRIL

MARCH

FEBRUARY

JANUARY

**HALF LIFE
(DAYS)**

NUCLIDES

[illegible]

	VOLUME (CU. METERS)				
	4.171E+06	4.171E+06	3.768E+06	4.171E+06	4.171E+06
	2.449E+07	4.037E+06	4.171E+06	4.171E+06	4.171E+06

GRAND TOTALS (CURIES)	3.585E-06	2.460E-08	1.690E-08	5.321E-08	3.260E-07	3.907E-08	4.045E-06
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* 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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RUN DATE: 05/21/92

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TRA-L

TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
AG-110M	2.498E+02									
CONCEN (UC/ML)						1.720E-07		2.751E-08	1.00E-05	0.28
CURIES						1.326E-03		1.326E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)						1.300E-08				
% OF TOTAL						0.009		0.002		
CE-141	3.250E+01									
CONCEN (UC/ML)						3.490E-07	2.150E-07	9.925E-08	5.00E-05	0.20
CURIES						2.690E-03	2.092E-03	4.782E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)						1.400E-08	9.000E-09			
% OF TOTAL						0.019	0.023	0.006		
CE-144	2.844E+02									
CONCEN (UC/ML)		2.720E-07		1.440E-07	1.170E-07		1.460E-07	1.120E-07	7.00E-06	1.60
CURIES		1.784E-03		1.066E-03	1.127E-03		1.421E-03	5.397E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)		9.800E-08		5.000E-08	4.700E-08		5.900E-08			
% OF TOTAL		0.011		0.005	0.014		0.015	0.007		
CO-60	1.924E+03									
CONCEN (UC/ML)		5.090E-07	4.550E-07	2.770E-07	2.900E-07	3.680E-07	3.670E-07	3.703E-07	5.00E-06	7.41
CURIES		3.338E-03	3.255E-03	2.050E-03	2.792E-03	2.836E-03	3.571E-03	1.784E-02		
UNCERT(CURIES)										
UNCERT(UC/ML)		2.300E-08	2.500E-08	1.900E-08	2.000E-08	2.300E-08	2.000E-08			
% OF TOTAL		0.020	0.024	0.010	0.034	0.020	0.039	0.022		
CR-51	2.770E+01									
CONCEN (UC/ML)		5.820E-05	3.470E-05	1.470E-05	7.740E-06	2.680E-05	1.730E-05	2.466E-05	1.00E-03	2.47
CURIES		3.816E-01	2.482E-01	1.088E-01	7.453E-02	2.065E-01	1.683E-01	1.188E+00		
UNCERT(CURIES)										
UNCERT(UC/ML)		4.000E-07	3.000E-07	2.000E-07	1.300E-07	3.000E-07	2.000E-07			
% OF TOTAL		2.334	1.846	0.545	0.902	1.461	1.820	1.459		
CS-137	1.101E+04									
CONCEN (UC/ML)						1.340E-07	1.160E-07	4.486E-08	3.00E-06	1.50
CURIES						1.033E-03	1.129E-03	2.162E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)						1.500E-08	1.400E-08			
% OF TOTAL						0.007	0.012	0.003		
GROSS-BETA										
CONCEN (UC/ML)		4.500E-06	3.900E-06	1.300E-06	1.700E-07	4.700E-06	2.200E-06	2.621E-06		
CURIES		2.951E-02	2.790E-02	9.623E-03	1.637E-03	3.622E-02	2.141E-02	1.263E-01		
UNCERT(CURIES)										
UNCERT(UC/ML)		7.000E-07	5.900E-07	2.000E-07	7.000E-09	7.000E-07	3.000E-07			
% OF TOTAL		0.180	0.207	0.048	0.020	0.256	0.231	0.155		

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TRA-L

TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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)		2.430E-03	1.840E-03	2.680E-03	8.500E-04	1.800E-03	9.300E-04	1.661E-03	2.00E-03	83.06
CURIES		1.593E+01	1.316E+01	1.984E+01	8.185E+00	1.387E+01	9.050E+00	8.004E+01		
UNCERT(CURIES)										
UNCERT(UC/ML)		1.000E-04	4.000E-05	8.000E-05	3.000E-05	4.000E-05	2.000E-05	98.318		
% OF TOTAL		97.444	97.875	99.391	99.017	98.147	97.834			
HF-181	4.240E+01									
CONCEN (UC/ML)		2.760E-07						3.756E-08	3.00E-05	0.13
CURIES		1.810E-03						1.810E-03		
UNCERT(CURIES)										
UNCERT(UC/ML)		1.300E-08						0.002		
% OF TOTAL		0.011								
I-131	8.040E+00									
CONCEN (UC/ML)										
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
MO-99	2.747E+00									
CONCEN (UC/ML)										
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
RE-188	7.075E-01									
CONCEN (UC/ML)										
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										
ZN-65	2.438E+02									
CONCEN (UC/ML)										
CURIES										
UNCERT(CURIES)										
UNCERT(UC/ML)										
% OF TOTAL										

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RUN DATE: 05/21/92

TRA LIQUID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

PAGE 3 RPT. 105
TRA-L

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL AVG CONCEN/ TOT CURIES	CG *	% OF CG
TOTALS										
ALPHA CURIES										
% OF TOTAL										
B+G CURIES		1.635E+01	1.345E+01	1.996E+01	8.266E+00	1.413E+01	9.250E+00	8.141E+01		
% OF TOTAL		100.000	100.000	100.000	100.000	100.000	100.000	100.000		
VOLUME (LITERS)		6.557E+06	7.154E+06	7.402E+06	9.629E+06	7.707E+06	9.731E+06	4.818E+07		
GRAND TOTALS (CURIES)		1.635E+01	1.345E+01	1.996E+01	8.266E+00	1.413E+01	9.250E+00	8.141E+01		

* 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.

Waste Experimental Reduction Facility 1991 Detail Data

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Waste Experimental Reduction Facility (WER) Bar Graphs of Annual Data by Month

Waste Experimental Reduction Facility (WER) Monthly Details - CY-1991

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

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MER AIRBORNE WASTE SUMMARY FOR JAN THROUGH DEC 1991												PAGE	1 RPT. 174
NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL			CG**	YEARLY RELEASE % OF CG	
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*				
CO-60	1.924E+03	7.641E-15 6.970E-08 35.614						1.919E-15 2.633E-07 3.670	1.086E-21	8.00E-11			
CS-134	7.537E+02							2.449E-16 3.360E-08 0.468	1.385E-22	2.00E-10			
CS-137	1.101E+04			3.011E-15 3.540E-08 24.855			1.396E-15 1.850E-08 2.263	1.423E-14 1.952E-06 27.206	8.047E-21	4.00E-10			
GROSS-ALPHA		2.817E-16 2.570E-09 1.313		3.511E-16 4.127E-09 2.898	7.094E-16 7.550E-09 1.229	2.673E-16 2.940E-09 3.033	9.315E-16 1.234E-08 1.510	4.047E-16 5.552E-08 0.774	2.289E-22				
GROSS-BETA		1.120E-14 1.022E-07 52.220	8.672E-15 8.660E-08 100.000	8.754E-15 1.029E-07 72.243	1.278E-14 1.360E-07 22.130	8.548E-15 9.400E-08 96.967	6.461E-15 8.560E-08 10.472	2.447E-14 3.357E-06 46.799	1.384E-20				
S8-125	1.007E+03							1.735E-15 2.380E-07 3.318	9.813E-22	1.00E-09			
SR-90	1.059E+04	2.328E-15 2.124E-08 10.853			4.425E-14 4.710E-07 76.641		5.291E-14 7.010E-07 85.756	9.290E-15 1.274E-06 17.765	5.255E-21	9.00E-12			

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WER-A
YEARLY
RELEASE
% OF CG

WER AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE CG**
TOTALS									
ALPHA CURIES		2.570E-09		4.127E-09	7.550E-09	2.940E-09	1.234E-08	5.552E-08	
% OF TOTAL		1.313		2.898	1.229	3.033	1.510	0.774	
B+G CURIES		1.931E-07	8.660E-08	1.383E-07	6.070E-07	9.400E-08	8.051E-07	7.118E-06	
% OF TOTAL		98.687	100.000	97.102	98.771	96.967	98.490	99.226	
VOLUME (CU. METERS)		9.122E+06	9.986E+06	1.176E+07	1.064E+07	1.100E+07	1.325E+07	1.372E+08	
GRAND TOTALS (CURIES)		1.957E-07	8.660E-08	1.424E-07	6.145E-07	9.694E-08	8.174E-07	7.174E-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

WER DISPOSED SOLID WASTE SUMMARY

FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
MAP								
CURIES								1.589E+00
% OF TOTAL								50.000
MFP								
CURIES								1.589E+00
% OF TOTAL								50.000
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								3.177E+00
% OF TOTAL								99.997
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)								2.482E+02
WEIGHT (KILOGRAMS)								9.859E+04
GRAND TOTALS (CURIES)								3.177E+00

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

RUN DATE: 05/21/92

IDAHO OPERATIONS OFFICE
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WER AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991											PAGE	1 RPT. 174
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		CG##	YEARLY RELEASE % OF CG	
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*			
CO-60	1.924E+03											
CONCEN (UC/ML)		7.742E-15	2.186E-15				6.792E-15	2.710E-15	1.533E-21	8.00E-11		
CURIES		9.270E-08	2.020E-08				8.070E-08	1.936E-07				
% OF TOTAL		3.199	6.018				13.469	3.709				
CS-134	7.537E+02											
CONCEN (UC/ML)		2.806E-15					4.704E-16	2.660E-22	2.00E-10			
CURIES		3.360E-08					3.360E-08					
% OF TOTAL		1.159					0.644					
CS-137	1.101E+04											
CONCEN (UC/ML)		3.800E-14	1.056E-13	5.161E-15		1.619E-15	9.258E-15	2.657E-14	1.503E-20	4.00E-10		
CURIES		4.550E-07	1.264E-06	4.770E-08		2.100E-08	1.100E-07	1.898E-06				
% OF TOTAL		42.608	43.617	14.212		14.381	18.359	36.355				
GROSS-ALPHA												
CONCEN (UC/ML)		3.374E-16	7.341E-16	5.453E-16	2.187E-16	3.416E-16	6.464E-17	3.639E-16	2.059E-22			
CURIES		4.040E-09	8.790E-09	5.040E-09	2.930E-09	4.430E-09	7.680E-10	2.600E-08				
% OF TOTAL		0.378	0.303	1.502	1.690	3.034	0.128	0.498				
GROSS-BETA												
CONCEN (UC/ML)		5.025E-14	1.053E-13	2.041E-14	1.272E-14	9.301E-15	3.431E-14	3.850E-14	2.177E-20			
CURIES		6.017E-07	1.261E-06	1.886E-07	1.704E-07	1.206E-07	4.077E-07	2.750E-06				
% OF TOTAL		56.346	43.510	56.191	98.310	82.586	68.044	52.680				
SB-125	1.007E+03											
CONCEN (UC/ML)			1.988E-14				3.332E-15	1.884E-21	1.00E-09			
CURIES			2.380E-07				2.380E-07					
% OF TOTAL			8.212				4.559					
SR-90	1.059E+04											
CONCEN (UC/ML)		5.955E-16		8.018E-15			1.137E-15	6.432E-22	9.00E-12			
CURIES		7.130E-09		7.410E-08			8.123E-08					
% OF TOTAL		0.668		22.077			1.556					

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NUCLIDES	HALF LIFE (DAYS)	WER AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991						ANNUAL AVG CONCEN/ TOT CURIES	YEARLY RELEASE*	CG**	PAGE	2 RPT. 174 WER-A YEARLY RELEASE % OF CG
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE					
TOTALS												
ALPHA CURIES		4.040E-09	8.790E-09	5.040E-09	2.930E-09	4.430E-09	7.680E-10	2.600E-08				
% OF TOTAL		0.378	0.303	1.502	1.690	3.034	0.128	0.498				
B+G CURIES		1.064E-06	2.889E-06	3.306E-07	1.704E-07	1.416E-07	5.984E-07	5.194E-06				
% OF TOTAL		99.622	99.697	98.498	98.310	96.966	99.872	99.502				
VOLUME (CU. METERS)		1.197E+07	1.197E+07	9.242E+06	1.340E+07	1.297E+07	1.188E+07	7.143E+07				
GRAND TOTALS (CURIES)		1.068E-06	2.898E-06	3.356E-07	1.733E-07	1.460E-07	5.992E-07	5.220E-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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RUN DATE: 05/21/92

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WER-S

WER DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH JUN 1991

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
----------	---------------------	---------	----------	-------	-------	-----	------	-----------------

MAP								
CURIES								
% OF TOTAL								
		8.669E-01	4.267E-02	5.197E-01	1.594E-01	50.000	50.000	1.589E+00
		50.000	50.000	50.000	50.000	50.000	50.000	50.000

MFP								
CURIES								
% OF TOTAL								
		8.669E-01	4.267E-02	5.197E-01	1.594E-01	50.000	50.000	1.589E+00
		50.000	50.000	50.000	50.000	50.000	50.000	50.000

TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+6 CURIES								
% OF TOTAL								
		1.734E+00	8.535E-02	1.039E+00	3.188E-01	100.000	100.000	3.177E+00
		100.000	100.000	100.000	100.000	100.000	100.000	99.997

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)

		2.832E+01	1.359E+01	1.773E+02	2.900E+01	2.482E+02
		1.775E+04	1.670E+04	5.690E+04	7.241E+03	9.859E+04
GRAND TOTALS (CURIES)		1.734E+00	8.535E-02	1.039E+00	3.188E-01	3.177E+00

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

RUN DATE: 05/20/92

IDAHO OPERATIONS OFFICE
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SCHED. NO: P61PM009-D

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MER-A

OWER NO. STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

YEARLY RELEASE*	YEARLY RELEASE % OF CG
CG**	

[illegible]

DOT CURIES	RELEASE#	CG#
6.245E-16	3.532E-22	8.00E-11
5.740E-08		

3.655E-16 2.068E-22 2.00E-10
3.360E-08

CS-137	1.101E+04				
CONCEN (UC/ML)					
CURIES	4.309E-15	1.932E-15	1.870E-14	1.058E-20	4.000E-10
UNCERT(CURIES)	3.540E-08	1.850E-08	1.719E-06		
UNCRT(UC/ML)	6.890E-09	5.560E-09			
% OF TOTAL	27.773	2.536	31.876		

	1.484E-16	4.820E-16	5.234E-16	1.943E-16	1.022E-15	3.875E-16	2.192E-22
GROSS-ALPHA							
CONCEN (UC/ML)							
CURIES	9.000E-10	3.960E-09	3.650E-09	1.400E-09	9.790E-09	3.562E-08	
UNCERT(CURIES)	7.980E-10	1.680E-09	2.090E-09	2.090E-09	2.410E-09		
UNCERT(UC/ML)							
% OF TOTAL	6.365	3.107	0.928	1.731	1.342	0.661	

	1.979E-15	5.063E-15	1.072E-14	7.242E-15	1.103E-14	7.851E-15	2.528E-14	1.430E-20
GROSS-BETA CONCEN (UC/ML)	1.200E-08	3.520E-08	8.810E-08	5.050E-08	7.950E-08	7.520E-08	2.324E-06	
CURIES	3.800E-09	4.490E-09	6.840E-09	5.580E-09	5.940E-09	7.030E-09		
UNCERT(CURIES)								
UNCERT(UC/ML)	84.866	100.000	69.120	12.845	98.269	10.309	43.090	
% OF TOTAL								

SB-125	1.007E+03	2.589E-15	1.465E-21	1.00E-09
CONCEN (UC/ML)		2.380E-07		

[illegible]

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PAGE	2 RPT. 180	YEARLY	RELEASE	% OF CG
WER-A				

WER NO. STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

**HALF LIFE
(DAYS)**

JULY

AUGUST

SEPTEMBER

OCTOBER

NOVEMBER

DECEMBER

AVG CONCEN/
TOT CURIES

**YEARLY
RELEASE**

[illegible]

TOTALS

ALPHA CURIES

ALPHA CORRELATION COEFFICIENT

B+G CURIES

% OF TOTAL

VOLUME (CU. METERS)

GRAND TOTALS (CURIES)

* 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).

xx NOTE. NCG 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

WER 50. STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

RUN DATE: 05/20/92

PAGE 1 RPT. 181
MER-A

ANNUAL
AVG CONCEN/
TOT CURIES

YEARLY
RELEASE*
CG**

YEARLY
RELEASE
% OF CG

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
----------	---------------------	------	--------	-----------	---------	----------	----------

CO-60	1.924E+03						
CONCEN (UC/ML)		2.279E-14					
CURIES		6.970E-08					
UNCERT(CURIES)		4.540E-09					
UNCERT(UC/ML)							
% OF TOTAL		38.387					

CS-137	1.101E+04						
CONCEN (UC/ML)							
CURIES							
UNCERT(CURIES)							
UNCERT(UC/ML)							
% OF TOTAL							

GROSS-ALPHA							
CONCEN (UC/ML)		5.461E-16					
CURIES		1.670E-09					
UNCERT(CURIES)		6.590E-10					
UNCERT(UC/ML)							
% OF TOTAL		0.920					

GROSS-BETA							
CONCEN (UC/ML)		2.950E-14	1.694E-14	4.182E-15	2.330E-14	3.824E-15	2.834E-15
CURIES		9.020E-08	5.140E-08	1.480E-08	8.550E-08	1.450E-08	1.040E-08
UNCERT(CURIES)		5.120E-09	3.130E-09	2.240E-09	6.300E-09	2.290E-09	2.230E-09
UNCERT(UC/ML)							
% OF TOTAL		49.678	100.000	98.884	38.618	90.399	11.825

SR-90	1.059E+04						
CONCEN (UC/ML)		6.540E-15					
CURIES		2.000E-08					
UNCERT(CURIES)		1.250E-09					
UNCERT(UC/ML)							
% OF TOTAL		11.015					

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U.S. DEPARTMENT OF ENERGY
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RUN DATE: 05/20/92

WER SO. STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH DEC 1991

PAGE 2 RPT. 181
WER-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		1.670E-09		1.670E-10	3.900E-09	1.540E-09	2.550E-09	1.991E-08		
% OF TOTAL		0.920		1.116	1.762	9.601	2.899	1.117		
B+G CURIES		1.799E-07	5.140E-08	1.480E-08	2.175E-07	1.450E-08	8.540E-08	1.762E-06		
% OF TOTAL		99.080	100.000	98.884	98.238	90.399	97.101	98.882		
VOLUME (CU. METERS)										
		3.058E+06	3.034E+06	3.539E+06	3.670E+06	3.792E+06	3.670E+06	4.527E+07		
GRAND TOTALS (CURIES)										
		1.816E-07	5.140E-08	1.497E-08	2.214E-07	1.604E-08	8.795E-08	1.781E-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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RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

OPERATIONS, DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991
MER COMPACTOR
MER-CONP-S

RUN DATE: 05/20/92

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
MAP								
CURIES								1.159E+00
% OF TOTAL								50.000
MFP								
CURIES								1.159E+00
% OF TOTAL								50.000
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								2.319E+00
% 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)								5.381E+01
WEIGHT (KILOGRAMS)								3.341E+04
GRAND TOTALS (CURIES)								2.319E+00

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

RUN DATE: 05/20/92

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WER-INC -S

WER INCINERATION
OPERATIONS, DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
----------	---------------------	------	--------	-----------	---------	----------	----------	-----------------

MAP								
CURIES								6.982E-02
% OF TOTAL								50.000

MFP								
CURIES								6.982E-02
% OF TOTAL								50.000

TOTALS								
ALPHA CURIES								
% OF TOTAL								1.396E-01
B+G CURIES								99.999
% OF TOTAL								

TOTAL GRAMS OF AM								2.039E+01
TOTAL GRAMS OF PU								2.551E+04
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)								1.396E-01
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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

OPERATIONS, DISPOSED SOLID WASTE SUMMARY
FOR JAN THROUGH DEC 1991

WER METAL SIZING

WER-MET -S

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NUCLIDES	HALF LIFE (DAYS)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ANNUAL TOTAL
MAP								
CURIES								3.594E-01
% OF TOTAL								50.000
MFP								
CURIES								3.594E-01
% OF TOTAL								50.000
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								7.187E-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)								1.740E+02
WEIGHT (KILOGRAMS)								3.967E+04
GRAND TOTALS (CURIES)								7.188E-01

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

RUN DATE: 05/21/92

IDAHO OPERATIONS OFFICE
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RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

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MER-A YEARLY RELEASE
% OF CG

WER NO. STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

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							1.223E-15	6.918E-22	8.00E-11	
CONCEN (UC/ML)			7.297E-15					5.740E-08			
CURIES			5.740E-08								
UNCERT(CURIES)			7.420E-09								
UNCERT(UC/ML)											
% OF TOTAL			2.163					1.431			
CS-134	7.537E+02							7.159E-16	4.049E-22	2.00E-10	
CONCEN (UC/ML)			4.272E-15					3.360E-08			
CURIES			3.360E-08								
UNCERT(CURIES)			4.330E-09								
UNCERT(UC/ML)											
% OF TOTAL			1.266					0.837			
CS-137	1.101E+04							3.548E-14	2.007E-20	4.00E-10	
CONCEN (UC/ML)		5.784E-14	1.538E-13					1.665E-06			
CURIES		4.550E-07	1.210E-06								
UNCERT(CURIES)		2.220E-08	3.040E-08								
UNCERT(UC/ML)		43.486	45.593					41.500			
% OF TOTAL											
GROSS-ALPHA											
CONCEN (UC/ML)		2.886E-16	6.217E-16	5.302E-16	1.187E-18	5.487E-16	9.493E-17	3.392E-16	1.918E-22		
CURIES		2.270E-09	4.890E-09	3.550E-09	9.900E-12	4.430E-09	7.680E-10	1.592E-08			
UNCERT(CURIES)		2.210E-09	2.490E-09	1.680E-09	1.820E-09	2.260E-09	1.820E-09				
UNCERT(UC/ML)		0.217	0.184	5.449	0.007	7.119	1.585	0.397			
% OF TOTAL											
GROSS-BETA											
CONCEN (UC/ML)		7.437E-14	1.411E-13	6.959E-15	1.631E-14	7.159E-15	5.896E-15	4.226E-14	2.390E-20		
CURIES		5.850E-07	1.110E-06	4.660E-08	1.360E-07	5.780E-08	4.770E-08	1.983E-06			
UNCERT(CURIES)		2.110E-08	3.350E-08	4.910E-09	8.220E-09	5.140E-09	5.210E-09				
UNCERT(UC/ML)		55.911	41.825	71.527	99.993	92.881	98.415	49.429			
% OF TOTAL											
SB-125	1.007E+03							5.071E-15	2.868E-21	1.00E-09	
CONCEN (UC/ML)			3.026E-14					2.380E-07			
CURIES			2.380E-07								
UNCERT(CURIES)			1.800E-08								
UNCERT(UC/ML)								5.932			
% OF TOTAL			8.968								
SR-90	1.059E+04							4.057E-16	2.295E-22	9.00E-12	
CONCEN (UC/ML)		5.136E-16		2.240E-15				1.904E-08			
CURIES		4.040E-09		1.500E-08							
UNCERT(CURIES)		6.220E-10		1.760E-09							
UNCERT(UC/ML)		0.386		23.024				0.475			
% OF TOTAL											

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IDAHO OPERATIONS OFFICE
U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
MER NO. STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

RUN DATE: 05/21/92

MER NO. STACK AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991										PAGE	2 RPT. 180
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL	YEARLY RELEASE*	MER-A YEARLY RELEASE % OF CG	
								AVG CONCEN/ TOT CURIES			
TOTALS											
ALPHA CURIES		2.270E-09	4.890E-09	3.550E-09	9.900E-12	4.430E-09	7.680E-10	1.592E-08			
% OF TOTAL		0.217	0.184	5.449	0.007	7.119	1.585	0.397			
B+G CURIES		1.044E-07	2.649E-06	6.160E-08	1.360E-07	5.780E-08	4.770E-08	3.996E-06			
% OF TOTAL		99.783	99.816	94.551	99.993	92.881	98.415	99.603			
VOLUME (CU. METERS)		7.866E+06	7.866E+06	6.696E+06	8.339E+06	8.074E+06	8.090E+06	4.693E+07			
GRAND TOTALS (CURIES)		1.046E-06	2.654E-06	6.515E-08	1.360E-07	6.223E-08	4.847E-08	4.012E-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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U.S. DEPARTMENT OF ENERGY
RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM

RUN DATE: 05/21/92

WER SO. STACK AIRBORNE WASTE SUMMARY FOR JAN THROUGH JUN 1991													PAGE	1 RPT. 181
NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL		YEARLY RELEASE*	CG**	YEARLY RELEASE % OF CG		
								AVG CONCEN/ TOT CURIES	YEARLY RELEASE*					
CO-60														
1.924E+03														
CONCEN (UC/ML)		8.593E-15	7.934E-15				2.128E-14	5.559E-15	3.144E-21	8.00E-11				
CURIES		3.530E-08	2.020E-08				8.070E-08	1.362E-07						
UNCERT(CURIES)		3.670E-09	3.200E-09				6.370E-09							
UNCERT(UC/ML)														
% OF TOTAL		14.449	7.468				14.654	11.273						
CS-137														
1.101E+04														
CONCEN (UC/ML)		1.317E-14	1.874E-14			4.292E-15	2.901E-14	9.501E-15	5.374E-21	4.00E-10				
CURIES		5.410E-08	4.770E-08			2.100E-08	1.100E-07	2.328E-07						
UNCERT(CURIES)		4.600E-09	4.950E-09			4.000E-09	6.770E-09							
UNCERT(UC/ML)														
% OF TOTAL		22.145	17.635			25.060	19.975	19.269						
GROSS-ALPHA														
CONCEN (UC/ML)		4.309E-16	9.494E-16	5.852E-16	5.775E-16			4.114E-16	2.327E-22					
CURIES		1.770E-09	3.900E-09	1.490E-09	2.920E-09			1.008E-08						
UNCERT(CURIES)		5.940E-09	1.400E-09	5.920E-10	1.380E-09									
UNCERT(UC/ML)								0.834						
% OF TOTAL		8.210	1.596	0.551	7.824									
GROSS-BETA														
CONCEN (UC/ML)		4.065E-15	3.676E-14	5.577E-14	6.804E-15	1.283E-14	9.494E-14	3.130E-14	1.770E-20					
CURIES		1.670E-08	1.510E-07	1.420E-07	3.440E-08	6.280E-08	3.600E-07	7.669E-07						
UNCERT(CURIES)		2.280E-09	6.980E-09	6.210E-09	3.090E-09	4.010E-09	1.410E-08							
UNCERT(UC/ML)														
% OF TOTAL		77.458	61.809	52.497	92.176	74.940	65.371	63.476						
SR-90														
1.059E+04														
CONCEN (UC/ML)		7.522E-16		2.321E-14				2.538E-15	1.436E-21	9.00E-12				
CURIES		3.090E-09		5.910E-08				6.219E-08						
UNCERT(CURIES)		3.250E-10		3.340E-09										
UNCERT(UC/ML)														
% OF TOTAL		14.332		21.849				5.147						

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RADIOACTIVE WASTE MANAGEMENT INFORMATION SYSTEM
WER SO. STACK AIRBORNE WASTE SUMMARY
FOR JAN THROUGH JUN 1991

RUN DATE: 05/21/92

PAGE 2 RPT. 181
WER-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
TOTALS											
ALPHA CURIES		1.770E-09	3.900E-09	1.490E-09	2.920E-09			1.008E-08			
% OF TOTAL		8.210	1.596	0.551	7.824			0.834			
B+S CURIES		1.979E-08	2.404E-07	2.690E-07	3.440E-08	8.380E-08	5.507E-07	1.198E-06			
% OF TOTAL		91.790	98.404	99.449	92.176	100.000	100.000	99.166			
VOLUME (CU. METERS)		4.108E+06	4.108E+06	2.546E+06	5.056E+06	4.893E+06	3.792E+06	2.450E+07			
GRAND TOTALS (CURIES)		2.156E-08	2.443E-07	2.705E-07	3.732E-08	8.380E-08	5.507E-07	1.208E-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

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
MAP CURIES % OF TOTAL			8.669E-01 50.000		2.926E-01 50.000			1.159E+00 50.000
MFP CURIES % OF TOTAL			8.669E-01 50.000		2.926E-01 50.000			1.159E+00 50.000
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B-G CURIES			1.734E+00 100.000		5.852E-01 100.000			2.319E+00 99.999
% 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			2.832E+01		2.549E+01			5.381E+01
VOLUME (CU. METERS)			1.775E+04		1.566E+04			3.341E+04
WEIGHT (KILOGRAMS)								
GRAND TOTALS (CURIES)			1.734E+00		5.852E-01			2.319E+00

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

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WER-INC -S

MER INCINERATION OPERATIONS, DISPOSED SOLID WASTE SUMMARY FOR JAN THROUGH JUN 1991								
HALF LIFE (DAYS)		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
NUCLIDES								
MAP								
CURIES				4.267E-02	2.715E-02			6.982E-02
% OF TOTAL				50.000	50.000			50.000
MFP								
CURIES				4.267E-02	2.715E-02			6.982E-02
% OF TOTAL				50.000	50.000			50.000
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES				8.535E-02	5.430E-02			1.396E-01
% OF TOTAL				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)				1.359E+01	6.796E+00			2.039E+01
WEIGHT (KILOGRAMS)				1.670E+04	8.817E+03			2.551E+04
GRAND TOTALS (CURIES)				8.535E-02	5.430E-02			1.396E-01

NUCLIDES	HALF LIFE (DAYS)	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ANNUAL TOTAL
MAP								
CURIES								
% OF TOTAL								
					2.000E-01	1.594E-01		3.594E-01
					50.000	50.000		50.000
MFP								
CURIES								
% OF TOTAL								
					2.000E-01	1.594E-01		3.594E-01
					50.000	50.000		50.000
TOTALS								
ALPHA CURIES								
% OF TOTAL								
B+G CURIES								
% OF TOTAL								
					3.999E-01	3.188E-01		7.187E-01
					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)								
WEIGHT (KILOGRAMS)								
					1.450E+02	2.900E+01		1.740E+02
					3.243E+04	7.241E+03		3.967E+04
GRAND TOTALS (CURIES)					3.999E-01	3.188E-01		7.188E-01

AIM

Association for Information and Image Management

1100 Wayne Avenue, Suite 1100
Silver Spring, Maryland 20910
301/587-8202

Centimeter

Inches

MANUFACTURED TO AIM STANDARDS
BY APPLIED IMAGE, INC.

6 of 6

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.	EBR2-705-001	Yes
	ANL/FASB	10-m stack, 6.64 m ³ /s discharge capacity, continuously monitored.	EBR2-627-001	Yes
	ANL/FMF	11.1-m stack, 4.6 m ³ /s discharge capacity, continuously monitored.	EBR2-636-008	Yes
	ANL/HFEF	28.6-m stack, 21.7 m ³ /s discharge capacity, continuously monitored.	EBR2-626-018	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.	EBR2-603-004 (MAIN) EBR2-603-005 (NDA)	Yes
	ANL/RLWTF	14.2-m stack, 1.7 m ³ /s discharge capacity, continuously monitored.	EBR2-637-017	Yes
	ANL/SCMS	14.6-m stack, 4.7 m ³ /s discharge capacity, continuously monitored.	EBR2-633-001	Yes
	ANL/SPF	6.9-m stack, 2.1 m ³ /s discharge capacity, continuously monitored.	EBR2-649-010	Yes
	ANL/TREAT	42.7-m steel stack, 2.8 m ³ /s discharge capacity, continuously monitored.	TREA-601-007	Yes
	ANL/ZPPR	22.9-m stack, 2.3 m ³ /s discharge capacity, continuously monitored.	EBRZ-620-002	Yes
	ARA	9.1-m stack, 1.4 m ³ /s discharge capacity, continuously monitored. Currently undergoing D&D. These stacks were capped in 1989.	ARA001	No
	CFA/West	Two normal ventilation exhausts, respirator maintenance 0.6-m ³ /s flow, continuously sampled.	Drying Ovens CFA-617-030 CFA-617-031	Yes
	CFA/North	Normal ventilation exhausts, laundry dryer, 6.1-m ³ /s flow, continuously sampled.	CFA-617-010 CFA-617-011	Yes
	CPP/FAST	50-m stack, 66.1 m ³ /s discharge capacity, continuously monitored and sampled.	CPP-767-001	Yes
	CPP/Main Stack	76.2-m stack, 84.95 m ³ /s discharge capacity, continuously monitored.	CPP-708-001	Yes

Table 1. (continued)

Type of Discharge	Area/Location	Type of Description of Discharge Surface	Air Emission Inventory Stack No.	Active (Yes/No)
	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 deactivated and is scheduled to be completely shut down in mid-1990.	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
	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

Table 1. (continued)

Type of Discharge	Area/Location	Type of Description of Discharge Surface	Air Emission Inventory Stack No.	Active (Yes/No)
	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 Decm	29.6-m stack, 24.9 m ³ /s discharge capacity, continuously monitored. Currently in process of deactivation.	TAN-607-136	Yes
	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. Not in processing mode as of June 1990.	TAN-607-107	Yes
	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
	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/Hx Cells	15.2-m stack, 1.6 m ³ /s discharge capacity, continuously sampled; three stacks sampled as one.	TRA-632-030	Yes

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Table 1. (continued)

Type of Discharge	Area/Location	Type of Description of Discharge Surface	Air Emission Inventory Stack No.	Active (Yes/No)
	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
	WMC/SWEP ²	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 C/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 ⁶ m ² maximum depth of 4 m		Yes
	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 × 61 m, average flow approximately 15 × 10 ⁶ liters per month, continuously monitored.		Yes

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Table 1. (continued)

Type of Discharge	Area/Location	Type of Description of Discharge Surface	Air Emission Inventory Stack No.	Active (Yes/No)
	CPP/Pond No. 1	Percolation pond, 131 × 122 m, 4.9 m deep, continuously monitored and sampled.		Yes
	CPP/Pond No. 2	Percolation pond, 168 × 168 m, 3.7 m deep, continuously monitored and sampled.		Yes
	CTF (formerly LOF)	Continuously monitored pond approximately 76 × 152 × 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 × 73 and one pond 76 × 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.	N/A	Yes
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

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8 / 30 / 93

END