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**RELEASES OF RADIOACTIVITY
AT THE
SAVANNAH RIVER PLANT

1954 THROUGH 1985**

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Summary

Radioactive releases from Savannah River Plant (SRP) facilities to air, water and earthen seepage basins have been monitored and tabulated throughout the history of the site.

The purpose of this report is to provide a source of data on routine releases of radioactivity to air, water and seepage basins that can be used for analyses of trends, environmental impact, etc. As used in this report, routine radioactive releases means radioactive materials that are released through established effluents from process facilities. This report is not intended to provide interpretation of the release values, their transport and impact or information on spills, leaks, buried waste or special use facilities. These subjects are covered in other SRP publications.

This report provides a summary of radioactive releases that reflects the release values contained in records and documents from startup through 1985. Releases are tabulated in the following categories:

- Annual radioactive releases by emission source and radionuclide for 1954 through 1985.

- Annual radioactive releases by receptor medium and radionuclide for 1954 through 1985.
- Monthly releases by emission source and radionuclide for 1981 through 1985.

The presentation of all SRP routine radioactive releases data in these categories provides a reference for historic data on SRP releases.

Monitoring and instrumental analyses techniques have improved over the years as new technology has evolved. Therefore, much of the radioactive release data from the early years of SRP operations were not as specific and comprehensive as data generated in later years.

To provide an accounting of specific long-lived radionuclides (half life greater than one year) routinely released during the earlier years, the 1954 through 1959 radioactive release data were re-assessed in 1974 and results published in subsequent versions of the releases report (DPSPU-yr-25-1).

Additional enhancements included in this report are a comparison of the data to radioactive releases data published in public reports, the 1977 environmental impact statement for SRP waste management operations and earlier radioactive release documents. Inconsistencies that were found were resolved by referring to original source documents. This action provided an independent verification of the accuracy of published values. The differences are tabulated in the appendices.

SRP RADIOACTIVE RELEASES

Introduction

Provisions were made in the design of Savannah River Plant (SRP) facilities to provide equipment and methods for determining radioactive releases to the environment. The equipment and methods have improved as technology has advanced through the years of SRP operation.

Very modern effluent monitoring capabilities have been installed in all recently constructed facilities and monitoring equipment in many existing facilities have been upgraded. Many improvements also have been made in process facilities and operations to reduce the quantities of radioactive materials released.

EVOLUTION OF ANALYSES TECHNIQUES

In the early years of SRP operation, total (gross) alpha and beta-gamma were the primary types of analyses performed to determine radioactive releases to the environment. Occasional samples of special interest were analyzed for specific radionuclides by chemical separation of the radionuclide of interest and counting on a G-M detector for beta-gamma or ZnS detector for alpha. Tritium releases

were measured with Kanne Chambers and Vibrating Reed Electrometers.

Significant advances in the determination of specific beta and gamma-emitting radionuclides occurred in the early 1960's with the use of liquid scintillation counters for tritium and gamma spectrometers (sodium iodide pulse height analysis). These instruments also allowed routine detection of smaller quantities of specific radionuclides than was previously possible.

Further improvements occurred in the 1970's with the use of high resolution germanium-lithium (GeLi) detectors and minicomputers for data reduction. The determination of specific alpha emitters was also enhanced in the 1970's with the use of silicon surface barrier and diffused junction detectors. This report reflects these improvements as they occurred and also reflects increasing environmental concerns as they have evolved over the years of SRP operation.

Expanding environmental concerns are illustrated by the increasing number of emission sources of very small quantities of radioactivity that were included as time progressed. By 1985, even minute quantities were routinely measured, tabulated and reported.

TABULATION OF RELEASES

SRP radioactive releases have been tabulated by year since startup, however, the data for earlier years were not as specific as data in later years. Efforts to tabulate releases of specific radionuclides throughout the history of the site first occurred in 1974 when releases for 1954 through 1959 (primarily total alpha and beta-gamma) were re-assessed.

At that time, releases of specific long-lived radionuclides (half lives greater than one year) for 1954 through 1959 were determined. Internal reports and ratios of specific radionuclide to total alpha or beta-gamma values were used to determine 1954 through 1959 specific long-lived radionuclide releases.

This reassessment was in response to a request by the Department of Energy (DOE) for data on historic SRP specific long-lived radionuclide releases. The data were included in a DOE-wide computer data base (Effluent Information System/Onsite Discharge Information System - EIS/ODIS) which had been initiated in 1971.

SRP also developed a computer data base for preparing a radioactive releases report that contained the same

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data as the DOE report. The data obtained from this reassessment and recorded SRP data was first published at SRP in 1974 [As75]. Radioactive releases have been added to the data each year and published periodically since 1975.

Additional tabulations of SRP releases of radioactivity were also published in the "Final Environmental Impact Statement, Waste Management Operations, Savannah River Plant", ERDA 1537, in September 1977 and in annual public reports "Environmental Monitoring in the Vicinity of the Savannah River Plant", DPSPU-yr-30-1 beginning in 1973.

The three reports were prepared at different times and the techniques used in the developing the data were different. Therefore, there were some inconsistencies in the data contained in the three reports. Although these inconsistencies were not significant from the standpoint of offsite doses, a comparison was made between the data contained in the three reports and the differences resolved.

This action enhanced the quality of the data in this report and provided an independent verification that the data accurately reflects the values reported in original source documents. The inconsistencies that were identified

are listed and explained in the Appendices.

In addition, the following data were added to the SRP data base since the last printing of this report:

- Short-lived radionuclide releases for 1954 to 1970.
- A separate accounting for releases to Par Pond and the overflow from Par Pond to Lower Three Runs Creek.
- Evaporation of tritium from seepage basins.

SCOPE OF REPORT

The intent of this report is to tabulate routine radioactive releases from normal site effluents to the atmosphere, SRP streams and earthen seepage basins. Unplanned releases are included if they occurred at routinely monitored effluents.

Unplanned (unintentional or containment failure) releases, such as spills, leaks to soil, buried waste and releases to special use basins are not within the scope of this report but are documented in individual reports which are issued after investigations of these incidents are completed.

Possible transport of radioactive material whether from receiving media or by other means such as wildlife is also not within the scope of this report. Information on transport of radioactivity is documented in the annual environmental reports.

Techniques Used to Determine Releases

In the early years when specific radionuclide releases data were not available, releases were determined by projections from later years when specific measurements were made. In other cases where measurements were not made because they were not technically feasible, releases were calculated based on fuel irradiation history. The calculations have been verified by periodic direct measurements in a number of cases.

In addition, radioactivity that has been previously released to seepage basins migrates through upper groundwater aquifers to site streams. This migration is routinely measured and reported in this report.

The next section contains specific information on methods used to determine releases in these unusual cases.

SPECIFIC RADIONUCLIDES, 1954 TO 1959

Estimates of the specific long-lived radionuclide releases for the years 1954 through 1959 were based on isotopic distributions observed during subsequent years (generally 1960 through 1962).

SRP RADIOACTIVE RELEASES

The long-lived radionuclides that were determined by this method were tritium, Co-60, Sr-90, Ru-106, Cs-137 and Pm-147.

The data were tabulated for each emission source based on information obtained from internal Health Protection Department documents and publications. These publications are listed in the References section.

Volumes of gaseous and liquid effluents that were derived in a similar manner are also included.

Tritium

Releases from F and H Areas. Atmospheric tritium releases from F and H Areas are combined to avoid security classification (releases from individual facilities are classified "Secret Restricted Data").

F- and H- Area seepage basin tritium releases were also combined because of reporting practices in the source documents. Individual F- and H-Area seepage basins tritium releases since 1981 are reported in Summary D.

Releases to Par Pond. In prior releases reports, tritium releases to Par Pond from P-Reactor were included with "P Liquid to Streams" releases. Releases to Par Pond have now been divided into two categories.

One category, "P Liquid to Par Pond", contains all tritium released to Par Pond and is included with "Liquid to Seepage Basins". The other category contains Par Pond overflow and includes only the tritium that is measured at the overflow from Par Pond to Lower Three Runs Creek. Par Pond overflow is included with "Liquid to Streams" releases.

These changes provide a more accurate accounting of releases from P-Reactor to the offsite environment and agrees with methods used in determining releases of tritium for offsite dose calculations in the public reports.

Evaporation from Seepage Basins. The quantity of tritium that evaporates from seepage basins has been calculated for use in determining offsite dose in the public reports for a number of years. This calculation was based on experimental data that showed that approximately 30% of the tritium released to a seepage basin evaporates to the atmosphere. These calculated tritium data have been included in this report to provide agreement with public report data.

Noble Gases

Releases of Kr-85, Xe-131M, and Xe-133 from the separations radiochemical

reprocessing facilities stacks were calculated based on the irradiation history of the fuel being processed.

The releases of these radionuclides from F and H Areas are combined because releases from individual facility are classified "Secret Restricted Data". However, all annual releases of Kr-85 from separations areas for 1960 through 1970 continue to be classified "Secret Restricted Data" and are not included in this report. These data are contained in the secret documents listed for those years in the References Section.

Calculated Kr-85 releases were verified by measurements made by SRL from March 1975 to August 1976. The calculated and measured Kr-85 releases agreed within 12% during that time interval.

Ar-41 and noble gas releases from reactor stacks were measured and reported beginning in 1971. Releases of these radionuclides were calculated for 1954 through 1970.

Carbon-14

C-14 releases from both the separations and reactor areas were calculated for 1955 through 1973 and tabulated by facility on a prorated annual basis. Releases of C-14 since 1973 have been calculated annually.

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Iodine-129

Atmospheric I-129 releases from the separations areas were calculated for 1955 through 1973 and tabulated on a prorated annual basis. Release between 1973 and 1983 were calculated annually. Since 1983, releases of I-129 have been measured routinely. A comparison after measurements began indicated good agreement between calculated and measured I-129 values.

Migration of Radioactivity from Seepage Basins

Tritium in wastewater released to earthen seepage basins moves through the soil column to upper groundwater aquifers. It then migrates with the groundwater to surface streams. The migration of tritium from the separations areas seepage basins to Four Mile Creek has been measured in H Area since 1958 and in F Area since 1967.

The primary reactor area contributor of tritium migration to a stream is the K-Area containment basin migration to Pen Branch. Migration from this basin has been measured since 1966. A small amount of tritium migration from the P-Area seepage basin was measured for the first time in 1985 when essentially all tritium bearing effluents were

diverted to Par Pond. Tritium migration from the P-Area seepage basin was measured in Steel Creek at Road B before reaching L-Lake.

Strontium also migrates from seepage basins to streams but at a much slower rate than tritium. Strontium migration from both F- and H-Area seepage basins to Four Mile Creek has been measured since 1968.

All radionuclide migration data are contained in this report.

Desorption of Cesium-137 in Four Mile Creek

Four Mile Creek contains Cs-137 from previous releases (primarily H Area) that have been sorbed by sediments in the creek. Some of this Cs-137 is desorbed and transported offsite routinely. The quantity of Cs-137 in transport at Road A-7 that is greater than the quantity released is listed as "Desorption from Four Mile Creek Streambed".

Summaries

Volume and release data are summarized in several ways to provide categories that may be useful in a number of applications. The release data are expressed in exponential notation because of the wide range of values.

EXPONENTIAL NOTATION

The E in the volume and curie values denotes exponential numbers. The E is followed by either a plus or minus sign and the exponent. Examples of this method of notation are as follows:

0.00515	is reported	5.1500E-03
5.15	is reported	5.1500E+00
5150	is reported	5.1500E+03.

The accuracy of the value reported is not always implied by the number of significant digits reported. Values are generally not rounded because the data will be used in future cumulative summaries.

IDENTIFICATION CRITERIA

The arrangement and use of words and characters to identify the radionuclide, reporting unit, release source and receiving media may vary from one summary to another.

These variations occur because data are compiled from several computer data bases and internal documents which may use different terminology. In all cases, however, the identification information is sufficient to determine the radionuclide, reporting unit, release source and receiving media.

SRP RADIOACTIVE RELEASES

Summary A:

Volumes of Air and Water Released

Volumes of gaseous and liquid effluents are listed for each emission source for each year since plant startup. In instances where measured volumes were not documented, the volumes were determined in the same manner that radionuclide releases were determined.

Summary B:

SRP Radioactive Releases

This section is arranged in the following sequence:

1. Radionuclide in ascending order of mass number (e.g., H-3, C-14, P-32, etc.).
2. Emission sources generally in alphabetic order (e.g., A, C, D (Area), etc.).
3. Type of release: "Atmospheric", "Liquid to Streams", and "Liquid to Seepage Basins". Exceptions are atmospheric releases from Buildings 235-F and 772-F which are summarized on page 111.

The "Decay Corrected" columns contain the cumulative decay corrected total through the year listed and is not associated with releases for an individual year.

When two or more radionuclides are combined (e.g., Co-58-60) or radionuclides are unidentified (e.g., UN-ID-ALPHA), the calculated decay is based on the radionuclide with the longest half-life. "Decay Corrected" values less than E-7 Ci are not listed because values less than E-7 are insignificant when used in the context of this report. U-NAT represents U-235,238 and UN-ID-B+G represents unidentified beta plus gamma.

Blank spaces in Original Release columns represent no detectable release.

Summary C:

Total SRP Radioactive Releases by Radionuclide

This section contains a 1954 through 1985 plant-to-date total release summary and summaries by year for 1954 through 1985. The

summaries are arranged in the following three categories:

- Liquid to Seepage Basins.
- Liquid to Streams.
- Atmospheric.

Summary D:

1981 to 1985 Monthly Radioactive Releases from Each Emission Source

Tables in this section contain releases by month from each emission source and are arranged by departments in the following order: Reactor, Separations, Raw Materials, 400-D, and Technical.

The term "Less Than Sensitivity of Analyses" used in this section indicates that no radioactivity of the species indicated was detected using "routine" analytical techniques employed at the time of the measurement. For all practical and record keeping purposes "Less Than Sensitivity of Analyses" values can be interpreted as being a zero value.

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Appendices

Comparison of Data in This Report with Other Radioactive Release Documents

The radioactive release data in the SRP data base for this report and for the latest

previous issue of this report (DPSPU-81-25-1) were compared with release data in public reports (DPSPU-74-30-1 through DPSPU-86-30-1) and the Environmental Impact Statement for Waste Management Operations, 1977, (ERDA 1537) to identify differences in published data values.

When differences were identified, they were resolved by researching original documents such as monthly reports, semiannual and annual

reports and log books. The appendices lists data inconsistencies, reasons for the inconsistencies and the rational for determining the correct value. Appendix A contains the comparison with ERDA 1537 data values and Appendix B the comparison with public reports data values..

REFERENCES

The references listed below are internal SRP or SRL documents that were published at the Savannah River Plant, Aiken, SC. The designations after the document number indicates the following:

- "Del" indicates a "Deleted" version of the report in which secret information has been removed.
- "Secret" indicates that the document has a security classification of secret.
- No designation indicates that the original document was unclassified.

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- He59 "Health Physics Regional Monitoring, Semiannual Report, January through June 1959", 1959, DPSPU 59-11-30.
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SRP RADIOACTIVE RELEASES

SUMMARY A

VOLUMES OF AIR AND WATER RELEASED

1954 THROUGH 1985

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	A 773 LIQUID TO STREAMS	A 773 ATMOSPHERIC	A 776 LIQUID TO SEEPAGE BASINS
	ORIGINAL RELEASE	ORIGINAL RELEASE	ORIGINAL RELEASE
1954			1.2300E+08
1955			4.5250E+07
1956			2.8060E+06
1957			8.8660E+06
1958		3.3600E+09	4.9210E+06
1959		3.3600E+09	5.6780E+06
1960		3.3600E+09	5.6780E+06
1961		3.3600E+09	3.4060E+06
1962		3.3600E+09	3.0280E+06
1963		3.3600E+09	3.7850E+06
1964		3.3600E+09	2.8370E+06
1965		3.3600E+09	8.3300E+06
1966		3.3600E+09	7.8060E+06
1967		3.3600E+09	6.6320E+06
1968		3.3600E+09	7.5700E+06
1969	3.9520E+08	3.3600E+09	7.9480E+06
1970	3.9520E+08	3.3600E+09	6.9230E+06
1971	3.8310E+08	3.3600E+09	6.7390E+06
1972	2.3900E+08	3.3600E+09	7.2510E+06
1973	3.9520E+08	3.3600E+09	4.8740E+06
1974	3.9520E+08	3.3600E+09	4.5350E+06
1975	3.9760E+08	3.2560E+09	4.6330E+06
1976	3.9760E+08	3.2560E+09	4.9670E+06
1977	4.3080E+08	3.2560E+09	3.1100E+06
1978	3.9760E+08	3.2560E+09	3.1280E+06
1979	3.9760E+08	3.2560E+09	3.6230E+06
1980	3.9760E+08	3.2560E+09	2.3350E+06
1981	3.9760E+08	3.2560E+09	1.0600E+06
1982	3.9760E+08	3.2560E+09	
1983	3.9760E+08	3.2560E+09	
1984	3.9760E+08	3.2560E+09	
1985	1.9330E+08	3.2560E+09	
TOTAL	6.4054E+09	9.3212E+10	3.0345E+08

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	C 105 ATMOSPHERIC	C LIQUID TO STREAMS	C 66G LIQUID TO SEEPAGE BASINS
	ORIGINAL RELEASE	ORIGINAL RELEASE	ORIGINAL RELEASE
1954			
1955	3.7200E+09	3.9780E+09	
1956	3.7200E+09	3.1830E+09	
1957	3.7200E+09	2.4870E+09	
1958	3.7200E+09	2.6860E+09	
1959	3.7200E+09	2.9840E+09	7.5700E+05
1960	3.7200E+09	3.0250E+09	3.0000E+05
1961	3.7200E+09	2.1890E+09	1.1350E+06
1962	3.7200E+09	2.3280E+09	8.5000E+05
1963	4.6110E+09	2.7230E+09	6.3700E+05
1964	4.6110E+09	2.7910E+09	8.0300E+05
1965	1.6320E+09	3.0540E+09	1.0640E+06
1966	1.6300E+09	2.6680E+09	5.1600E+05
1967	1.6300E+09	2.8770E+09	1.0100E+05
1968	1.6300E+09	1.8540E+09	9.1980E+04
1969	1.6300E+09	1.5880E+09	1.9680E+06
1970	1.6230E+09	1.7030E+09	2.0800E+04
1971	1.2400E+09	1.6090E+09	
1972	1.2400E+09	4.0640E+09	
1973	1.2400E+09	6.9010E+05	
1974	1.2040E+09	5.4430E+09	
1975	2.2000E+09	5.7000E+09	
1976	2.7000E+09	6.1000E+09	
1977	3.3420E+09	7.2080E+09	
1978	2.5310E+09	2.3170E+11	1.4480E+06
1979	3.7370E+09	2.3790E+11	1.4900E+07
1980	2.8530E+09	2.6840E+11	9.2760E+06
1981	2.5010E+09	2.9110E+11	1.8940E+07
1982	2.3940E+09	2.6990E+11	1.5880E+07
1983	1.9480E+09	3.3650E+11	1.5990E+07
1984	1.9630E+09	2.9380E+11	3.4970E+06
1985	2.7980E+09	7.0270E+11	1.3850E+07
TOTAL	8.2648E+10	1.9173E+12	1.0196E+08

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	D 400 LIQUID TO STREAMS	D 400 ATMOSPHERIC	F 291 ATMOSPHERIC
	ORIGINAL RELEASE	ORIGINAL RELEASE	ORIGINAL RELEASE
1954			
1955			3.3330E+09
1956			3.3330E+09
1957			3.3330E+09
1958			3.3330E+09
1959			3.3330E+09
1960			3.3330E+09
1961			3.3330E+09
1962			3.3330E+09
1963			3.2430E+09
1964	1.0070E+08		3.2430E+09
1965	1.0820E+07		3.2430E+09
1966	1.0070E+08		3.2430E+09
1967	1.2780E+07		3.2430E+09
1968	1.0960E+07		3.2430E+09
1969	1.0220E+07		3.2430E+09
1970	6.0000E+03		3.2430E+09
1971	6.2610E+06		3.1460E+09
1972	6.4810E+06	3.1530E+08	3.1460E+09
1973	6.7030E+06	3.1530E+08	3.4670E+09
1974	6.8700E+06	3.1530E+08	3.4670E+09
1975	6.3000E+06	3.1000E+08	3.0000E+09
1976	6.1000E+06	3.1000E+08	3.2000E+09
1977	6.0000E+06	3.1000E+08	3.7000E+09
1978	5.9000E+06	3.1000E+08	3.7190E+09
1979	6.1000E+06	3.1000E+08	4.0000E+09
1980	6.0000E+06	3.1000E+08	4.2000E+09
1981	6.1980E+06	3.1780E+08	4.2550E+09
1982	5.8160E+06	4.2000E+08	6.1550E+09
1983	4.3380E+09	3.1780E+08	4.4470E+09
1984	6.6000E+06	3.1000E+08	3.2000E+09
1985	6.3000E+06	3.1000E+08	3.8000E+09
TOTAL	4.6718E+09	4.4815E+09	1.0951E+11

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	F 281 LIQUID TO STREAMS	F 470 LIQUID TO SEEPAGE BASINS	F - MEASURED MIGRATION FROM SEEPAGE BASINS TO STREAMS
	ORIGINAL RELEASE	ORIGINAL RELEASE	ORIGINAL RELEASE
1954	1.4270E+09		
1955	2.3000E+09	4.8350E+07	
1956	2.3000E+09	9.6710E+07	
1957	2.3000E+09	5.5400E+07	
1958	2.3000E+09	3.7850E+07	
1959	2.3000E+09	7.0780E+07	
1960	2.3000E+09	1.4540E+08	
1961	2.3000E+09	8.7050E+07	
1962	2.3000E+09	1.7380E+08	
1963	2.3000E+09	1.5030E+08	
1964	2.3000E+09	2.1000E+08	
1965	2.3000E+09	1.0590E+08	
1966	2.3000E+09	1.1130E+08	
1967	2.7400E+09	1.1670E+08	1.4000E+10
1968	2.3000E+09	1.2640E+08	1.4000E+10
1969	2.7400E+09	1.9490E+08	1.2000E+10
1970	2.7400E+09	1.9080E+08	1.2000E+10
1971	3.1420E+09	1.2280E+08	1.7000E+10
1972	2.4900E+09	1.5270E+08	1.4000E+10
1973	2.5960E+09	2.0800E+08	1.7000E+10
1974	2.1450E+09	1.3070E+08	1.1000E+10
1975	2.1000E+09	7.8750E+07	1.2000E+10
1976	1.9000E+09	1.6790E+08	1.2000E+10
1977	2.2560E+09	1.4650E+08	1.4420E+10
1978	2.0420E+09	1.5450E+08	1.4000E+10
1979	2.2000E+09	1.9100E+08	1.8360E+10
1980	2.1000E+09	1.9340E+08	1.6010E+10
1981	2.0660E+09	2.7080E+08	1.1280E+10
1982	2.6420E+09	1.2680E+08	1.5580E+10
1983	2.6330E+09	7.3720E+07	1.8550E+10
1984	3.5000E+09	1.1670E+08	2.1000E+10
1985	2.5000E+09	1.4990E+08	1.1000E+10
TOTAL	7.5899E+10	4.2058E+09	2.7520E+11

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	COMBINED F AND H ATMOSPHERIC		COMBINED F AND H LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE		ORIGINAL RELEASE	
1954	1.5480E+09			
1955	1.5470E+09			
1956	1.5480E+09		1.9080E+08	
1957	5.2780E+09		1.0790E+08	
1958	4.0880E+09		1.2530E+08	
1959	1.0270E+10		1.9830E+08	
1960	1.0270E+10		1.4910E+08	
1961	1.0270E+10		2.8950E+08	
1962	1.0270E+10		2.7140E+08	
1963	1.0270E+10		4.4890E+08	
1964	1.0270E+10		5.0810E+08	
1965	1.0270E+10		3.1720E+08	
1966	1.0270E+10		3.1300E+08	
1967	1.0270E+10		3.5280E+08	
1968	1.0270E+10		4.6860E+08	
1969	1.0080E+10		4.9660E+08	
1970	6.8790E+09		3.9270E+08	
1971	9.9990E+09		3.9270E+08	
1972	1.0270E+10		4.2290E+08	
1973	1.0270E+10		3.2900E+08	
1974	1.0270E+10		2.3020E+08	
1975	1.0270E+10		2.4740E+08	
1976	1.0270E+10		2.0150E+08	
1977	1.0270E+10		2.8530E+08	
1978	1.0270E+10		3.4330E+08	
1979	1.0270E+10		3.5930E+08	
1980	1.0270E+10		4.3700E+08	
1981	7.2000E+09		2.8600E+08	
1982	7.3860E+09		2.7370E+08	
1983	7.3890E+09		3.2850E+08	
1984	4.1130E+09		3.6040E+08	
1985				
TOTAL	2.6218E+11		9.1274E+09	

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	H 291 ATMOSPHERIC	H 281 LIQUID TO STREAMS	H 480 LIQUID TO SEEPAGE BASINS
	ORIGINAL RELEASE	ORIGINAL RELEASE	ORIGINAL RELEASE
1954		1.4270E+09	4.8350E+07
1955	3.2140E+09	1.4270E+09	1.3830E+08
1956	3.2140E+09	1.4270E+09	1.3540E+08
1957	3.2140E+09	1.4270E+09	7.0020E+07
1958	3.2140E+09	1.4270E+09	5.4500E+07
1959	3.2140E+09	1.4270E+09	5.2870E+07
1960	3.2140E+09	1.4270E+09	6.2070E+07
1961	3.2140E+09	1.4270E+09	1.1570E+08
1962	3.2140E+09	1.4270E+09	1.2110E+08
1963	3.2050E+09	1.4270E+09	2.3850E+08
1964	3.2050E+09	1.4270E+09	4.0210E+08
1965	3.2050E+09	1.4270E+09	2.0590E+08
1966	3.2050E+09	1.1000E+09	1.9630E+08
1967	3.2050E+09	1.4270E+09	2.2630E+08
1968	3.2050E+09	1.1000E+09	2.7370E+08
1969	3.2430E+09	1.1000E+09	3.0580E+08
1970	3.2510E+09	1.0900E+09	3.0070E+08
1971	3.2510E+09	1.1860E+09	2.4000E+08
1972	3.2430E+09	1.4270E+09	2.1490E+08
1973	3.2430E+09	1.1990E+09	1.9830E+08
1974	2.8000E+09	1.1000E+09	1.5150E+08
1975	2.8000E+09	1.4000E+09	7.9470E+07
1976	2.9000E+09	1.2610E+09	7.7870E+07
1977	2.9780E+09	1.0630E+09	1.3080E+08
1978	3.0000E+09	1.3000E+09	1.5230E+08
1979	2.9000E+09	1.4000E+09	1.6590E+08
1980	2.9680E+09	1.2230E+09	1.6670E+08
1981	2.8540E+09	1.1970E+09	1.5980E+08
1982	2.9390E+09	1.0390E+09	2.0010E+08
1983	3.0000E+09	1.2000E+09	2.1100E+08
1984	2.5000E+09	9.7000E+08	2.1050E+08
1985			
TOTAL	9.6007E+10	4.0779E+10	5.3063E+09

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	H - MEASURED MIGRATION FROM SEEPAGE BASINS TO STREAMS	H - DESORPTION FROM FOUR MILE CREEK STREAMBED	K 105 ATMOSPHERIC
	ORIGINAL RELEASE	ORIGINAL RELEASE	ORIGINAL RELEASE
1954			4.6130E+09
1955			4.6130E+09
1956			4.6130E+09
1957			4.6130E+09
1958	7.6000E+09		4.6130E+09
1959	7.6000E+09		4.6130E+09
1960	7.6000E+09		4.6130E+09
1961	7.6000E+09		4.6130E+09
1962	7.6000E+09		4.6130E+09
1963	7.6000E+09		4.6130E+09
1964	7.6000E+09		3.3470E+09
1965	7.6000E+09		3.3470E+09
1966	7.6000E+09		1.6320E+09
1967	7.6000E+09	1.4000E+10	1.6320E+09
1968	7.2000E+09	1.4000E+10	1.6320E+09
1969	7.4000E+09	1.2000E+10	1.6320E+09
1970	7.4000E+09	1.2000E+10	1.7870E+09
1971	9.3000E+09	1.7800E+10	1.7570E+09
1972	7.2000E+09	1.4000E+10	1.7570E+09
1973	9.3000E+09	1.7800E+10	1.7570E+09
1974	6.2000E+09	1.1000E+10	1.7570E+09
1975	7.4000E+09	1.2000E+10	2.3000E+09
1976	7.0000E+09	1.1000E+10	3.3000E+09
1977	1.4420E+10	1.4420E+10	3.310E+09
1978	1.4000E+10	1.4000E+10	1.9860E+09
1979	9.4600E+09	1.8360E+10	2.2990E+09
1980	1.4610E+10	1.6010E+10	1.8860E+09
1981	5.4840E+09	1.1280E+10	2.2080E+09
1982	1.0440E+10	1.5580E+10	2.1120E+09
1983	1.3000E+10	1.8550E+10	2.1450E+09
1984	1.4000E+10	2.1000E+10	2.1150E+09
1985	3.6000E+09	1.1000E+10	1.8550E+09
TOTAL	2.4481E+11	2.7420E+11	8.6510E+10

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	K LIQUID TO STREAMS	K 650 LIQUID TO SEEPAGE BASINS	K 904-88G LIQUID TO CONTAINMENT BASIN
	ORIGINAL RELEASE	ORIGINAL RELEASE	ORIGINAL RELEASE
1954			
1955	3.9780E+09		
1956	3.1830E+09		
1957	2.4870E+09		
1958	2.6860E+09		
1959	2.9840E+09	7.5700E+05	
1960	3.3980E+09	7.5700E+05	
1961	3.1450E+09		
1962	2.9250E+09		
1963	3.4270E+09		
1964	3.4260E+09		
1965	4.7670E+09	1.8140E+08	
1966	4.0880E+09		4.5420E+08
1967	4.9250E+09		3.2000E+08
1968	4.8840E+09		2.3840E+08
1969	4.8610E+09		1.6700E+08
1970	6.0680E+09		7.9110E+07
1971	6.0220E+09		3.4220E+07
1972	4.2780E+09		3.4320E+07
1973	7.6610E+09		3.8350E+07
1974	6.2760E+09		3.6120E+07
1975	6.3000E+09		1.4000E+07
1976	6.1000E+09		5.8000E+07
1977	7.5000E+09		2.1160E+07
1978	2.8710E+11		1.7800E+07
1979	2.5290E+11		1.7260E+07
1980	2.9430E+11		1.6820E+07
1981	2.8350E+11		1.2280E+07
1982	3.0570E+11		9.2590E+06
1983	3.1330E+11		6.5620E+06
1984	2.9080E+11		1.0610E+07
1985	2.9740E+11		2.7970E+07
TOTAL	2.4306E+12	1.8291E+08	1.6874E+09

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	K - MEASURED MIGRATION FROM SEEPAGE BASINS TO STREAMS		L 105 ATMOSPHERIC		L LIQUID TO STREAMS	
	ORIGINAL RELEASE		ORIGINAL RELEASE		ORIGINAL RELEASE	
1954						
1955			4.6130E+09		3.9780E+09	
1956			4.6130E+09		3.1830E+09	
1957			4.6130E+09		2.4870E+09	
1958			4.6130E+09		2.6860E+09	
1959			4.6130E+09		2.9840E+09	
1960			4.6130E+09		5.8140E+09	
1961			4.6130E+09		3.2460E+09	
1962			4.6130E+09		2.8660E+09	
1963			3.3470E+09		3.3680E+09	
1964			3.3470E+09		3.5150E+09	
1965			1.6320E+09		3.7200E+09	
1966			1.6230E+09		3.9380E+09	
1967			1.6320E+09		3.7080E+09	
1968			1.6230E+09		3.1140E+09	
1969	2.5000E+09				2.0800E+09	
1970	2.5000E+09				7.2280E+08	
1971	2.5000E+09					
1972	2.5000E+09					
1973	2.5000E+09					
1974	1.6000E+09					
1975	2.4000E+09					
1976	3.5000E+09					
1977	5.0500E+09					
1978	1.8000E+09					
1979	2.7400E+11					
1980	3.2100E+11					
1981	2.0860E+05				1.1920E+07	
1982	1.7450E+09		6.4000E+10		6.0580E+05	
1983	1.5000E+09		7.4000E+08		9.7830E+05	
1984	1.9000E+09		7.4000E+08		1.1190E+09	
1985	1.5000E+09		1.7550E+08		4.2820E+09	
TOTAL	6.2850E+11		1.1576E+11		5.6824E+10	

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	L 640 LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		M 300 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE		ORIGINAL RELEASE		ORIGINAL RELEASE	
1954						
1955						
1956						
1957						
1958	7.3430E+06					
1959	7.5700E+05					
1960	7.5700E+05					
1961	1.1360E+06		2.0000E+05			
1962	8.5000E+05		1.4000E+05			
1963	1.8530E+06		1.4370E+05			
1964	7.5700E+05		9.6500E+05			
1965	9.2000E+03		9.9200E+05			
1966			5.5570E+05			
1967	8.8910E+05		2.5400E+05			
1968	3.3310E+05		2.8650E+05			
1969	8.7100E+06		1.5990E+04			
1970			5.2600E+04			
1971			4.1790E+04			
1972			8.8210E+04			
1973			1.3330E+04			
1974					2.8630E+06	
1975			3.8000E+04		1.9000E+06	
1976			3.3000E+04		3.2000E+06	
1977			9.0690E+04		1.0810E+07	
1978			7.5700E+03		3.3420E+07	
1979			7.6000E+03		3.3880E+07	
1980					3.2210E+07	
1981					3.3140E+07	
1982					3.8330E+08	
1983					5.1150E+08	
1984					1.9090E+08	
1985	5.2690E+05				4.2840E+07	
TOTAL	2.3921E+07		3.9257E+06		1.2792E+09	

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	M 300 ATMOSPHERIC	M 313 LIQUID TO STREAMS	P 105 ATMOSPHERIC
	ORIGINAL RELEASE	ORIGINAL RELEASE	ORIGINAL RELEASE
1954			
1955		1.3200E+08	3.5710E+09
1956		1.9920E+08	3.5710E+09
1957		2.7300E+08	3.5710E+09
1958		8.0000E+07	3.5710E+09
1959		9.8000E+07	3.5710E+09
1960		5.2000E+08	3.5710E+09
1961		7.5400E+08	3.5710E+09
1962		1.0400E+09	3.5710E+09
1963		9.1660E+08	2.0530E+09
1964		7.4880E+08	2.0530E+09
1965		7.8320E+08	1.6320E+09
1966		1.0190E+09	1.6300E+09
1967		1.1090E+09	1.6320E+09
1968		1.1350E+09	1.6320E+09
1969		7.2310E+08	1.6320E+09
1970		7.5890E+08	1.4850E+09
1971		5.8670E+08	1.3870E+09
1972		3.3630E+08	1.3870E+09
1973		1.7910E+08	1.3870E+09
1974	1.1190E+08	4.2570E+08	1.3870E+09
1975	1.3420E+09	4.8000E+08	2.7000E+09
1976	1.3400E+09	3.1000E+08	3.4000E+09
1977	1.3420E+09	2.0300E+08	3.7710E+09
1978	1.3420E+09	1.1850E+08	2.0160E+09
1979	1.3420E+09	1.5470E+08	2.2470E+09
1980	1.3420E+09	1.4810E+08	2.3060E+09
1981	1.3420E+09	1.5510E+08	2.5730E+09
1982	4.4990E+08	7.3750E+07	2.1640E+09
1983	4.4990E+08	4.1170E+08	2.0510E+09
1984	1.3420E+09	3.5010E+08	1.9350E+09
1985	1.3420E+09	1.4230E+08	2.3770E+09
TOTAL	1.3088E+10	1.4365E+10	7.5405E+10

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	P EFFLUENT TO STEEL CREEK	P 610 LIQUID TO SEEPAGE BASINS	PAR POND OVERFLOW TO LOWER THREE RUNS CREEK
	ORIGINAL RELEASE	ORIGINAL RELEASE	ORIGINAL RELEASE
1954			
1955	3.9780E+09		
1956	3.1830E+09		
1957	2.4870E+09	7.5700E+05	
1958	2.6860E+09	2.2710E+05	
1959	2.9840E+09	7.5700E+05	
1960	5.6080E+09	7.5700E+05	
1961	3.0550E+09	1.1360E+06	
1962	2.8440E+09	8.5000E+05	
1963	2.8900E+09	1.1360E+06	
1964	3.2520E+09	6.5800E+06	
1965	3.2030E+09	2.2250E+06	1.1000E+09
1966	2.7980E+09	9.8400E+06	1.1000E+09
1967	2.5570E+09	1.5330E+03	1.1000E+09
1968	1.4680E+09	4.1520E+06	1.1000E+09
1969	1.5990E+09		1.1000E+09
1970	6.4030E+09	5.0200E+03	1.1000E+09
1971	5.7920E+09		1.1000E+09
1972	5.6240E+09		1.1000E+09
1973	7.4880E+09		1.1000E+09
1974	6.5760E+09		1.1000E+09
1975	5.0000E+09		1.1000E+09
1976	5.9000E+09		1.1000E+09
1977	6.2240E+09		1.1000E+09
1978	5.7890E+09	8.8800E+06	1.1000E+09
1979	3.0320E+11	2.2910E+07	1.1000E+09
1980	4.4000E+09	1.1940E+07	1.1000E+09
1981	4.5000E+09	1.8460E+07	4.5000E+09
1982	7.5000E+09	2.5620E+07	1.1000E+09
1983	5.8000E+09	2.0020E+07	3.9000E+09
1984	8.8000E+09	2.4680E+07	6.8000E+09
1985	1.7000E+09	2.3650E+07	4.4900E+10
TOTAL	4.3529E+11	1.7266E+08	7.8800E+10

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	P AREA LIQUID TO PAR POND	CMX-TNX LIQUID TO SEEPAGE BASINS	CMX-TNX ATMOSPHERIC
	ORIGINAL RELEASE	ORIGINAL RELEASE	ORIGINAL RELEASE
1954			
1955			
1956			
1957			
1958			
1959			2.2300E+08
1960			2.2300E+08
1961			2.2300E+08
1962			2.2300E+08
1963			2.2300E+08
1964			2.2300E+08
1965			2.2300E+08
1966			2.2300E+08
1967			2.2300E+08
1968		2.1560E+08	
1969		1.7900E+08	
1970			2.2300E+08
1971			2.2300E+08
1972			2.2300E+08
1973			2.2300E+08
1974	3.0000E+11		2.2300E+08
1975	3.0000E+11		2.2300E+08
1976	3.0000E+11		7.4000E+06
1977	3.0000E+11		7.4000E+06
1978	3.0300E+11	1.2000E+06	7.4370E+06
1979	2.9700E+11	8.0000E+05	
1980	2.7000E+11	2.0000E+05	
1981	2.8000E+11	1.3670E+07	
1982	3.1000E+11	9.5390E+06	
1983	3.1280E+11	7.4830E+06	
1984	3.2000E+11	6.8120E+06	
1985	2.7510E+11	8.1730E+06	
TOTAL	3.5679E+12	4.4248E+08	3.1443E+09

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

	R 105 ATMOSPHERIC	R LIQUID TO STREAMS	R 60G LIQUID TO SEEPAGE BASINS
	ORIGINAL RELEASE	ORIGINAL RELEASE	ORIGINAL RELEASE
1954		9.9470E+09	
1955		3.9780E+09	
1956	4.3150E+09	3.1830E+09	
1957	4.3150E+09	3.1830E+09	6.8130E+06
1958	4.3150E+09	2.6860E+09	6.0150E+06
1959	4.3150E+09	2.9840E+09	7.5700E+05
1960	4.3150E+09	5.8800E+09	7.5700E+05
1961	4.3150E+09	3.4810E+09	1.1360E+06
1962	4.3150E+09	3.5050E+09	8.5000E+05
1963	2.5000E+09	3.1040E+09	1.1360E+06
1964	2.5000E+09	2.4550E+09	7.5700E+05
1965			
1966			
1967			
1968			
1969			
1970			
1971			
1972			
1973			
1974			
1975			
1976			
1977			
1978			
1979			
1980			
1981			
1982			
1983			
1984			
1985			
TOTAL	3.9520E+10	4.4386E+10	1.8221E+07

SRP RADIOACTIVE RELEASES, 1954-1985

VOLUMES

UNITS: ATMOSPHERIC, CUBIC METERS; LIQUID, LITERS

CENTRAL SHOP (FORD BUILDING)
LIQUID TO WEEPAGE BASINS

ORIGINAL
RELEASE

1954	
1955	
1956	
1957	
1958	
1959	
1960	
1961	
1962	
1963	
1964	1.7390E+05
1965	5.1200E+05
1966	1.7390E+05
1967	
1968	
1969	
1970	
1971	
1972	
1973	
1974	
1975	
1976	
1977	
1978	
1979	3.5900E+04
1980	1.7970E+05
1981	1.1340E+05
1982	1.1350E+05
1983	1.1750E+05
1984	2.2690E+04
1985	
TOTAL	1.4425E+06

SRP RADIOACTIVE RELEASES

SUMMARY B

SRP RADIOACTIVE RELEASES

1954 THROUGH 1985

SRP RADIOACTIVE RELEASES, 1954-1985

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MMN CURIES MMN

	A 773 ATMOSPHERIC		A 776 LIQUID TO SEEPAGE BASINS		C 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954					7.0000E+02	6.8057E+02
1955					6.8000E+03	7.2546E+03
1956					1.2900E+04	1.9399E+04
1957					2.9500E+04	4.7018E+04
1958					5.2500E+04	9.5487E+04
1959	6.2600E+03	6.0862E+03			6.8000E+04	1.5725E+05
1960	5.5000E+03	1.1100E+04			3.9000E+04	1.8656E+05
1961	2.6700E+03	1.3089E+04			4.3600E+04	2.1873E+05
1962	3.8200E+02	1.2743E+04			6.9000E+04	2.7384E+05
1963		1.2046E+04			9.4200E+04	3.5044E+05
1964	1.9700E+02	1.1578E+04			1.0010E+05	4.2857E+05
1965	6.0000E+01	1.1002E+04			7.6600E+04	4.7959E+05
1966	3.8000E+02	1.0770E+04			8.0200E+04	5.3130E+05
1967	1.1000E+02	1.0287E+04			1.1330E+05	6.1237E+05
1968	1.2000E+02	9.8404E+03	4.5000E+01	4.3751E+01	6.4000E+04	6.4107E+05
1969	1.2000E+02	9.4184E+03	2.2000E+01	6.2745E+01	5.0690E+04	6.6401E+05
1970	1.2000E+02	9.0194E+03	5.8000E+01	1.1570E+02	7.9830E+04	7.0527E+05
1971	2.8900E+02	8.8066E+03	7.2000E+01	1.7937E+02	8.0000E+04	7.4444E+05
1972	2.2000E+02	8.5384E+03	2.0000E+01	1.8899E+02	5.9480E+04	7.6152E+05
1973	7.3300E+02	8.7836E+03	3.0000E+00	1.8156E+02	7.6740E+04	7.9444E+05
1974	5.2700E+02	8.8151E+03	1.2000E+01	1.8329E+02	3.8050E+04	7.8794E+05
1975	6.0300E+02	8.9188E+03	4.0000E+00	1.7715E+02	3.3540E+04	8.1547E+05
1976	7.5200E+01	8.5035E+03	4.1220E+00	1.7146E+02	8.2920E+04	8.3190E+05
1977	4.0000E+00	8.0419E+03	1.2050E+00	1.6324E+02	6.2810E+04	8.4669E+05
1978		7.6016E+03	5.0760E-01	1.5480E+02	6.2060E+04	8.5690E+05
1979		7.1855E+03	9.0000E-01	1.4720E+02	5.8170E+04	8.4225E+05
1980		6.7921E+03		1.3914E+02	3.3180E+04	8.3511E+05
1981	1.5000E+01	6.4348E+03		1.3152E+02	6.0660E+04	8.6206E+05
1982	5.0000E+00	6.0874E+03	1.1000E-02	1.2433E+02	1.1750E+05	1.0382E+06
1983		5.7542E+03		1.1793E+02	1.6450E+05	
1984		5.4392E+03		1.1099E+02		
1985	3.3000E+01	5.1735E+03		1.0501E+02		
TOTAL	1.8423E+04		2.4275E+02		1.9757E+06	

SRP RADIOACTIVE RELEASES, 1954-1985

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MMN CURIES MMN

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		D 400 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972						
1973						
1974						
1975						
1976						
1977						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985						
TOTAL	2.6474E+05		5.5809E+04		1.3809E+05	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	D 400 ATMOSPHERIC		F 281 LIQUID TO STREAMS		F - MEASURED MIGRATION FROM SEEPAGE BASINS TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968			2.4000E+01	2.3334E+01	2.6000E+03	2.5278E+03
1969			3.0000E+01	5.1224E+01	2.8870E+03	5.1963E+03
1970			2.5000E+01	7.2726E+01	2.5890E+03	7.4290E+03
1971			2.2000E+01	9.0134E+01	2.5920E+03	9.5423E+03
1972	6.0900E+03	5.9210E+03	3.1000E+01	1.1534E+02	2.2990E+03	1.1255E+04
1973	5.3300E+03	1.0779E+04	3.3000E+01	1.4111E+02	3.4850E+03	1.4027E+04
1974	4.1850E+03	1.4258E+04	2.8000E+01	1.6061E+02	4.1850E+03	1.7328E+04
1975	3.0550E+03	1.6447E+04	1.9000E+01	1.7029E+02	3.1760E+03	1.9467E+04
1976	2.9250E+03	1.8391E+04	9.4200E+00	1.7012E+02	2.0800E+03	2.0424E+04
1977	2.8500E+03	2.0155E+04	8.7100E+00	1.6928E+02	2.6530E+03	2.1885E+04
1978	2.8800E+03	2.1851E+04	9.6000E+00	1.6934E+02	3.6570E+03	2.4243E+04
1979	2.2500E+03	2.2843E+04	9.4000E+00	1.6921E+02	3.4540E+03	2.6274E+04
1980	2.0000E+03	2.3537E+04	1.1000E+01	1.7064E+02	2.1600E+03	2.6935E+04
1981	1.9800E+03	2.4173E+04	1.0000E+01	1.7102E+02	1.5070E+03	2.6926E+04
1982	1.9900E+03	2.4785E+04	1.3160E+01	1.7446E+02	1.1060E+03	2.6527E+04
1983	1.9800E+03	2.5353E+04	1.6390E+01	1.8084E+02	2.7700E+03	2.7768E+04
1984	1.9800E+03	2.5890E+04	1.8480E+01	1.8891E+02	2.5680E+03	2.8745E+04
1985	1.9600E+03	2.6378E+04	1.2710E+01	1.9092E+02	2.3200E+03	2.9427E+04
TOTAL	4.1455E+04		3.3087E+02		5.0778E+04	3.0431E+04

SRP RADIOACTIVE RELEASES, 1954 THROUGH 1985

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M M M CURIES M M M

	COMBINED F AND H ATMOSPHERIC		COMBINED F AND H LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954				
1955				
1956				
1957				
1958				
1959				
1960				
1961				
1962				
1963				
1964				
1965				
1966				
1967				
1968				
1969				
1970				
1971				
1972				
1973				
1974				
1975				
1976				
1977				
1978				
1979				
1980				
1981				
1982				
1983				
1984				
1985				
TOTAL	1.5894E+07		5.9313E+05	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	COMBINED REACTOR SEEPAGE BASIN EVAPORATION TO ATMOSPHERE		COMBINED SEPARATIONS SEEPAGE BASIN EVAPORATION TO ATMOSPHERE		H 281 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957			1.7940E+03	1.7442E+03		
1958			1.6500E+03	3.2529E+03		
1959			3.4500E+03	6.4291E+03		
1960			3.8100E+03	9.7814E+03		
1961			6.6000E+03	1.5663E+04		
1962			9.2280E+03	2.3777E+04		
1963			7.2600E+03	2.9534E+04		
1964			8.3970E+03	3.6081E+04		
1965			8.7870E+03	4.2649E+04		
1966	1.2600E+04	1.2250E+04	1.1100E+04	5.1106E+04		
1967	1.1400E+04	2.2663E+04	5.8650E+03	5.4010E+04		
1968	7.0600E+03	2.8287E+04	1.0400E+04	6.1165E+04	4.6000E+01	4.4723E+01
1969	7.0260E+03	3.3569E+04	6.8070E+03	6.4435E+04	3.7000E+01	7.8248E+01
1970	6.0000E+03	3.7565E+04	9.6000E+03	7.0241E+04	2.6000E+01	9.9242E+01
1971	5.0000E+03	4.0369E+04	5.7000E+03	7.1937E+04	7.4000E+01	1.2574E+02
1972	7.4000E+03	4.5354E+04	6.7000E+03	7.4513E+04	1.3200E+02	2.8502E+02
1973	1.0100E+04	5.2691E+04	9.5500E+03	7.9719E+04	1.3100E+02	3.9678E+02
1974	5.1700E+03	5.4833E+04	6.9400E+03	8.2102E+04	9.8000E+01	4.7934E+02
1975	4.6800E+03	5.6381E+04	4.1500E+03	8.1642E+04	5.5000E+01	4.9805E+02
1976	9.7800E+03	6.2803E+04	6.5000E+03	8.3492E+04	1.5220E+02	6.1877E+02
1977	3.7650E+03	6.3025E+04	3.8240E+03	8.2639E+04	1.2260E+02	7.0409E+02
1978	4.2380E+03	6.3695E+04	4.0960E+03	8.2097E+04	1.4500E+02	8.0652E+02
1979	2.6070E+03	6.2743E+04	4.0440E+03	8.1534E+04	8.0000E+01	8.4015E+02
1980	5.8570E+03	6.5003E+04	4.0030E+03	8.0963E+04	7.3000E+01	8.6513E+02
1981	5.6000E+03	6.6889E+04	6.0000E+03	8.2364E+04	6.5000E+01	8.8096E+02
1982	3.8400E+03	6.6960E+04	4.1020E+03	8.1843E+04	1.1510E+02	9.4464E+02
1983	4.2300E+03	6.7407E+04	6.1310E+03	8.3323E+04	1.3000E+02	1.0193E+03
1984	3.9830E+03	6.7589E+04	6.3900E+03	8.4974E+04	1.8290E+02	1.1413E+03
1985	4.9190E+03	6.8672E+04	6.6930E+03	8.6830E+04	7.1390E+01	1.1483E+03
TOTAL	1.2526E+05		1.7957E+05		1.7362E+03	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	H - MEASURED MIGRATION FROM SEEPAGE BASINS TO STREAMS		K 105 ATMOSPHERIC		K LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958	4.0000E+02	3.8890E+02	1.2000E+03	1.1667E+03	1.1740E+03	1.1414E+03
1959	8.0000E+02	1.1454E+03	3.4000E+03	4.4084E+03	1.8780E+03	2.9048E+03
1960	1.6000E+03	2.6383E+03	1.5400E+04	1.9140E+04	3.0050E+03	5.6674E+03
1961	2.0000E+03	4.4383E+03	9.9000E+03	2.7717E+04	5.6710E+03	1.0871E+04
1962	1.7000E+03	5.8482E+03	3.2900E+04	5.8186E+04	7.9240E+03	1.7980E+04
1963	2.7000E+03	8.1531E+03	5.7400E+04	1.1081E+05	6.7140E+03	2.3523E+04
1964	4.7000E+03	1.2276E+04	3.6400E+04	1.4013E+05	1.2590E+04	3.4476E+04
1965	5.6000E+03	1.7049E+04	6.9100E+04	1.9964E+05	9.8900E+03	4.2204E+04
1966	4.6000E+03	2.0588E+04	1.0570E+05	2.9148E+05	3.3270E+04	7.2240E+04
1967	3.0000E+03	2.2377E+04	9.5600E+04	3.6847E+05	1.4740E+04	8.2616E+04
1968	2.9030E+03	2.3975E+04	1.2480E+05	4.6963E+05	3.0320E+04	1.0757E+05
1969	3.5000E+03	2.6065E+04	9.3000E+04	5.3434E+05	1.0720E+04	1.1211E+05
1970	4.3950E+03	2.8911E+04	1.1910E+05	6.2088E+05	1.3860E+04	1.1944E+05
1971	9.5440E+03	3.6608E+04	1.0500E+05	6.8898E+05	9.3470E+03	1.2199E+05
1972	5.3620E+03	3.9817E+04	8.6800E+04	7.3565E+05	5.7150E+03	1.2086E+05
1973	6.8110E+03	4.4259E+04	1.1460E+05	8.0680E+05	1.4130E+03	1.1562E+05
1974	5.7300E+03	4.7407E+04	7.9820E+04	8.4023E+05	1.3940E+03	1.1065E+05
1975	6.8000E+03	5.1423E+04	1.1890E+05	9.0984E+05	1.9870E+03	1.0652E+05
1976	4.3030E+03	5.2791E+04	1.0680E+05	9.6386E+05	3.3610E+03	1.0396E+05
1977	4.5260E+03	5.4302E+04	8.4890E+04	9.9363E+05	4.4770E+03	1.0262E+05
1978	5.4580E+03	5.6635E+04	5.4100E+04	9.9183E+05	1.2680E+04	1.0931E+05
1979	6.6900E+03	6.0039E+04	5.8260E+04	9.9418E+05	4.3710E+03	1.0759E+05
1980	5.3150E+03	6.1920E+04	4.2510E+04	9.8108E+05	4.4480E+03	1.0603E+05
1981	4.1680E+03	6.2582E+04	4.4130E+04	9.7028E+05	3.6510E+03	1.0377E+05
1982	8.9000E+03	6.7809E+04	4.5450E+04	9.6135E+05	3.5130E+03	1.0151E+05
1983	1.0520E+04	7.4325E+04	5.2360E+04	9.5963E+05	4.0730E+03	9.9910E+04
1984	1.2500E+04	8.2409E+04	5.6710E+04	9.6223E+05	3.5450E+03	9.7887E+04
1985	9.2800E+03	8.6920E+04	5.9700E+04	9.6759E+05	4.5010E+03	9.6419E+04
			8.7610E+04	9.9980E+05	3.4380E+03	9.4483E+04
			5.7040E+04	1.0005E+06	3.2030E+03	9.2424E+04
			5.3030E+04	9.9731E+05	2.7010E+03	8.9991E+04
TOTAL	1.4381E+05		2.0716E+06		2.2907E+05	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	K 65G LIQUID TO SEEPAGE BASINS		K 904-88G LIQUID TO CONTAINMENT BASIN		K - MEASURED MIGRATION FROM SEEPAGE BASINS TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959	5.0000E+02	4.8612E+02				
1960		4.3951E+02				
1961		4.3435E+02				
1962		4.1057E+02				
1963		3.8810E+02				
1964		3.6685E+02				
1965	4.6700E+03	4.8871E+03				
1966		4.6196E+03	4.2000E+04	4.0834E+04		
1967		4.3667E+03	3.8000E+04	7.5544E+04		
1968		4.1276E+03	2.3540E+04	9.4295E+04		
1969		3.9017E+03	2.3420E+04	1.1190E+05	1.2700E+04	1.2347E+04
1970		3.6881E+03	1.9890E+04	1.2511E+05	5.9000E+03	1.7408E+04
1971		3.4862E+03	1.6920E+04	1.3472E+05	6.0000E+03	2.2288E+04
1972		3.2953E+03	2.3790E+04	1.5047E+05	8.4000E+03	2.9235E+04
1973		3.1149E+03	3.3610E+04	1.7491E+05	1.6790E+04	4.3958E+04
1974		2.9444E+03	1.7250E+04	1.8211E+05	1.8220E+04	5.9264E+04
1975		2.7832E+03	1.5600E+04	1.8730E+05	1.8600E+04	7.4105E+04
1976		2.6308E+03	3.2590E+04	2.0873E+05	2.0900E+04	9.0368E+04
1977		2.4868E+03	1.2540E+04	2.0950E+05	8.4000E+03	9.3588E+04
1978		2.3507E+03	9.0240E+03	2.0680E+05	1.1500E+04	9.9645E+04
1979		2.2220E+03	8.5840E+03	2.0383E+05	1.0400E+04	1.0430E+05
1980		2.1004E+03	9.1700E+03	2.0159E+05	7.5800E+03	1.0596E+05
1981		1.9854E+03	5.0500E+03	1.9546E+05	8.9090E+03	1.0882E+05
1982		1.8767E+03	2.3920E+03	1.8708E+05	9.8600E+03	1.1245E+05
1983		1.7739E+03	4.2570E+03	1.8098E+05	6.6970E+03	1.1281E+05
1984		1.6768E+03	4.1550E+03	1.7311E+05	7.5000E+03	1.1392E+05
1985		1.5850E+03	6.6570E+03	1.7200E+05	6.7700E+03	1.1427E+05
TOTAL	5.1700E+03		3.4844E+05		1.8513E+05	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	L 105 ATMOSPHERIC		L LIQUID TO STREAMS		L 64G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	1.9000E+03	1.8473E+03	1.1740E+03	1.1414E+03		
1956	4.7000E+03	6.3157E+03	1.8780E+03	2.0488E+03		
1957	1.3000E+04	1.8609E+04	3.0050E+03	5.6674E+03		
1958	2.3900E+04	4.0827E+04	5.4080E+03	1.0615E+04	3.1200E+02	3.0334E+02
1959	2.5700E+04	6.3579E+04	5.9200E+03	1.5790E+04	5.0000E+02	7.7285E+02
1960	3.5800E+04	9.4904E+04	1.0540E+04	2.5173E+04		7.3054E+02
1961	4.1400E+04	1.2996E+05	1.0710E+04	3.4207E+04	3.2000E+01	7.2166E+02
1962	5.6200E+04	1.7748E+05	9.4570E+03	4.1529E+04	1.2000E+01	6.9382E+02
1963	5.8000E+04	2.2416E+05	2.0050E+03	4.1205E+04	9.0000E+01	7.4334E+02
1964	1.7760E+05	3.8456E+05	1.4960E+04	5.3494E+04	2.7700E+02	9.7196E+02
1965	9.9600E+04	4.6034E+05	1.4890E+04	6.5042E+04	7.2000E+01	9.8875E+02
1966	8.3000E+04	5.1584E+05	1.8650E+04	7.9614E+04		9.3462E+02
1967	8.0400E+04	5.6576E+05	1.1340E+04	8.6280E+04	9.1200E+02	1.7701E+03
1968	3.9600E+04	5.7329E+05	8.9530E+03	9.0261E+04	5.5220E+03	7.0420E+03
1969		5.4191E+05	8.9100E+02	8.6186E+04	1.0800E+02	6.7614E+03
1970		5.1224E+05	2.8100E+02	8.1741E+04		6.3913E+03
1971		4.8420E+05		7.7266E+04		6.0414E+03
1972		4.5769E+05		7.3036E+04		5.7107E+03
1973		4.3264E+05		6.9038E+04		5.3980E+03
1974		4.0895E+05		6.5259E+04		5.1025E+03
1975		3.8656E+05		6.1686E+04		4.8232E+03
1976		3.6540E+05		5.8309E+04		4.5591E+03
1977		3.4540E+05		5.5117E+04		4.3096E+03
1978		3.2649E+05		5.2100E+04		4.0736E+03
1979		3.0862E+05		4.9247E+04		3.8506E+03
1980		2.9172E+05		4.6551E+04		3.6398E+03
1981		2.7575E+05	4.0800E+02	4.4000E+04		3.4406E+03
1982	1.2500E+02	2.6078E+05	6.8020E+01	4.2035E+04		3.2522E+03
1983	4.2800E+02	2.4692E+05	2.8240E+00	3.9737E+04		3.0742E+03
1984	1.4500E+02	2.3354E+05	3.0000E+00	3.7564E+04	1.0000E+00	2.9059E+03
1985	5.7900E+02	2.2132E+05	8.0000E+00	3.5516E+04		2.7478E+03
TOTAL	7.4208E+05		1.2055E+05		7.8380E+03	

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		M 300 ATMOSPHERIC		P 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955					2.2000E+03	2.1389E+03
1956					1.0300E+04	1.2036E+04
1957					1.3800E+04	2.4794E+04
1958					1.4800E+04	3.7826E+04
1959					2.6500E+04	6.1519E+04
1960					5.2500E+04	1.0919E+05
1961	8.4750E+03	8.2398E+03			5.3700E+04	1.5543E+05
1962	2.2950E+03	1.0020E+04			8.5400E+04	2.2995E+05
1963	3.0570E+03	1.2444E+04			5.6500E+04	2.7229E+05
1964	2.8330E+03	1.4517E+04			8.0300E+04	3.3545E+05
1965	6.1520E+03	1.9703E+04			6.9500E+04	3.8466E+05
1966	4.4950E+03	2.2995E+04			4.8800E+04	4.1105E+05
1967	1.0100E+03	2.2718E+04			4.6400E+04	4.3366E+05
1968	3.1840E+03	2.4570E+04			2.8300E+04	4.3743E+05
1969	5.7200E+02	2.3781E+04			3.3100E+04	4.4567E+05
1970	1.9000E+02	2.2664E+04			4.5740E+04	4.6574E+05
1971	2.8900E+02	2.1704E+04			4.6420E+04	4.8537E+05
1972	9.1900E+02	2.1409E+04			4.9540E+04	5.0697E+05
1973	2.9200E+02	2.0521E+04			6.7220E+04	5.4457E+05
1974		1.9398E+04			7.1160E+04	5.8394E+05
1975	2.0900E+02	1.8539E+04			6.7220E+04	6.1733E+05
1976	2.4400E+02	1.7761E+04	2.7200E+00	2.6445E+00	4.5730E+04	6.2799E+05
1977	1.9070E+02	1.6974E+04		2.4997E+00	3.9420E+04	6.3194E+05
1978	4.4000E+01	1.6088E+04		2.3629E+00	3.4490E+04	6.3088E+05
1979	1.0500E+02	1.5309E+04		2.2335E+00	4.5860E+04	6.4093E+05
1980		1.4471E+04		2.1113E+00	3.1440E+04	6.3641E+05
1981		1.3679E+04		1.9957E+00	2.5134E+04	6.2600E+05
1982		1.2930E+04		1.8864E+00	2.5740E+04	6.1675E+05
1983		1.2222E+04		1.7831E+00	3.0800E+04	6.1294E+05
1984		1.1553E+04		1.6855E+00	5.2130E+04	6.3006E+05
1985		1.0921E+04		1.5933E+00	3.9820E+04	6.3429E+05
TOTAL	3.4556E+04		2.7200E+00		1.3400E+06	

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CUR. ***

	P EFFLUENT TO STEEL CREEK		P 610 LIQUID TO SEEPAGE BASINS		P - MEASURED MIGRATION FROM SEEPAGE BASINS TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972						
1973						
1974						
1975						
1976						
1977						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985						
TOTAL	2.0063E+05		6.3831E+04		1.7000E+02	1.6528E+02

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	PAR POND OVERFLOW TO LOWER THREE RUNS CREEK		P AREA LIQUID TO PAR POND		CMX-TNX ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960					8.3000E+03	8.0696E+03
1961					3.5000E+03	1.1031E+04
1962					1.7110E+03	1.2090E+04
1963					1.9100E+02	1.1614E+04
1964					5.6600E+02	1.1529E+04
1965	6.5000E+03	6.3196E+03			6.4000E+02	1.1520E+04
1966	4.2250E+03	1.0081E+04			4.0000E+02	1.1278E+04
1967	2.8720E+03	1.2322E+04			7.4200E+03	1.7875E+04
1968	8.1700E+02	1.2441E+04			6.8910E+03	2.3596E+04
1969	8.1000E+01	1.1839E+04				2.2304E+04
1970	5.7000E+01	1.1246E+04			2.1400E+03	2.3164E+04
1971	8.8300E+02	1.1489E+04				2.1896E+04
1972	7.0400E+02	1.1545E+04			3.1600E+02	2.1004E+04
1973	2.1500E+03	1.3003E+04			1.5000E+01	1.9869E+04
1974	1.2000E+03	1.3458E+04	3.6500E+03	3.5487E+03	2.2900E+02	1.9004E+04
1975	3.4500E+03	1.6075E+04	5.9460E+03	9.1354E+03	1.5000E+01	1.7978E+04
1976	7.7500E+02	1.5949E+04	3.9220E+03	1.2441E+04		1.6994E+04
1977	1.2770E+03	1.6317E+04	2.0890E+03	1.7704E+04		1.6063E+04
1978	1.0880E+03	1.6482E+04	2.1340E+03	1.5117E+04		1.5184E+04
1979	1.4500E+03	1.6989E+04	3.5630E+03	1.7754E+04		1.4353E+04
1980	5.0000E+02	1.6345E+04	2.5910E+03	1.9301E+04		1.3567E+04
1981	2.6000E+02	1.5892E+04	1.9940E+03	2.0183E+04		1.2824E+04
1982	5.0100E+02	1.5505E+04	2.5630E+03	2.1570E+04		1.2122E+04
1983	5.4900E+02	1.5194E+04	2.8070E+03	2.3118E+04		1.1459E+04
1984	6.5500E+02	1.4999E+04	1.7290E+03	2.3534E+04		1.0831E+04
1985	4.2000E+02	1.4586E+04	1.2580E+03	2.3468E+04		1.0238E+04
TOTAL	3.0414E+04		3.4246E+04		3.2334E+04	9.6779E+03

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	R 105 ATMOSPHERIC		R LIQUID TO STREAMS		R 60G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954			3.6600E+02	3.5584E+02		
1955			1.1740E+03	1.4778E+03		
1956	6.0000E+02	5.8335E+02	1.8780E+03	3.2227E+03		
1957	4.4000E+03	4.8295E+03	3.0050E+03	5.9679E+03	3.0050E+03	2.9216E+03
1958	8.8000E+03	1.3121E+04	4.1950E+03	9.7178E+03	3.1200E+02	3.0650E+03
1959	2.2900E+04	3.4667E+04	9.8830E+03	1.8794E+04	5.0000E+02	3.3833E+03
1960	2.6300E+04	5.8339E+04	8.6640E+03	2.6189E+04	4.8810E+03	7.9436E+03
1961	4.0000E+04	9.4035E+04	1.0200E+04	3.4672E+04	3.2200E+02	7.8218E+03
1962	1.7600E+04	1.0680E+05	8.1600E+03	4.0708E+04	1.0000E+00	7.3944E+03
1963	5.0900E+04	1.4968E+05	1.6230E+04	5.4259E+04		6.9898E+03
1964	4.6800E+04	1.8699E+05	1.5100E+04	6.5969E+04	5.5000E+01	6.6606E+03
1965	5.6000E+04	2.3120E+05		6.2358E+04		6.2959E+03
1966		2.1854E+05		5.8904E+04		5.9513E+03
1967		2.0656E+05		5.5717E+04		5.6255E+03
1968		1.9527E+05		5.2667E+04		5.3175E+03
1969		1.8458E+05		4.9784E+04		5.0264E+03
1970		1.7447E+05		4.7058E+04		4.7512E+03
1971		1.6492E+05		4.4482E+04		4.4911E+03
1972		1.5589E+05		4.2047E+04		4.2453E+03
1973		1.4736E+05		3.9745E+04		4.0129E+03
1974		1.3929E+05		3.7569E+04		3.7932E+03
1975		1.3167E+05		3.5513E+04		3.5855E+03
1976		1.2446E+05		3.3568E+04		3.3892E+03
1977		1.1765E+05		3.1731E+04		3.2037E+03
1978		1.1120E+05		2.9994E+04		3.0283E+02
1979		1.0512E+05		2.8352E+04		2.8625E+03
1980		9.9362E+04		2.6800E+04		2.7058E+03
1981		9.3923E+04		2.5332E+04		2.5577E+03
1982		8.8781E+04		2.3946E+04		2.4177E+03
1983		8.3921E+04		2.2635E+04		2.2853E+03
1984		7.9326E+04		2.1396E+04		2.1602E+03
1985		7.4984E+04		2.0224E+04		2.0419E+03
TOTAL	2.7430E+05		7.8853E+04		9.0760E+03	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

CENTRAL SHOPS (FORD BUILDING)
LIQUID TO SEEPAGE BASINS

	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964	1.9000E+01	1.8473E+01				
1965	4.4800E+02	4.5303E+02				
1966		4.2822E+02				
1967		4.0478E+02				
1968		3.8262E+02				
1969		3.6168E+02				
1970		3.4188E+02				
1971		3.2316E+02				
1972		3.0547E+02				
1973		2.8875E+02				
1974		2.7294E+02				
1975		2.5800E+02				
1976		2.4387E+02				
1977		2.3032E+02				
1978		2.1790E+02				
1979	1.0000E+00	2.0695E+02				
1980		1.9562E+02				
1981		1.8491E+02				
1982	1.7000E-01	1.7495E+02				
1983	5.0000E-01	1.6584E+02				
1984	1.4470E+00	1.5819E+02				
1985		1.4953E+02				
TOTAL	4.7012E+02					

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M M M CURIES M M M

C 105
ATMOSPHERIC

F 291
ATMOSPHERIC

H 291
ATMOSPHERIC

	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	9.0000E+00	8.9995E+00	1.7500E+01	1.7499E+01	1.7500E+01	1.7499E+01
1956	9.0000E+00	1.7998E+01	1.7500E+01	3.4996E+01	1.7500E+01	3.4996E+01
1957	9.0000E+00	2.6995E+01	1.7500E+01	5.2491E+01	1.7500E+01	5.2491E+01
1958	9.0000E+00	3.5991E+01	1.7500E+01	6.9983E+01	1.7500E+01	6.9983E+01
1959	1.6000E+01	5.1986E+01	2.8000E+01	9.7973E+01	2.8000E+01	9.7973E+01
1960	1.6000E+01	6.7979E+01	2.8000E+01	1.2596E+02	2.8000E+01	1.2596E+02
1961	1.6000E+01	8.3970E+01	2.8000E+01	1.5394E+02	2.8000E+01	1.5394E+02
1962	1.6000E+01	9.9959E+01	2.8000E+01	1.8192E+02	2.8000E+01	1.8192E+02
1963	1.6000E+01	1.1595E+02	2.8000E+01	2.0990E+02	2.8000E+01	2.0990E+02
1964	1.4000E+01	1.2993E+02	2.3000E+01	2.3287E+02	2.3000E+01	2.3287E+02
1965	1.6000E+01	1.4591E+02	2.3000E+01	2.5584E+02	2.3000E+01	2.5584E+02
1966	1.6000E+01	1.6190E+02	2.3000E+01	2.7881E+02	2.3000E+01	2.7881E+02
1967	1.6000E+01	1.7788E+02	2.3000E+01	3.0178E+02	2.3000E+01	3.0178E+02
1968	1.4000E+01	1.9185E+02	1.8000E+01	3.1974E+02	1.8000E+01	3.1974E+02
1969	1.7000E+01	2.0883E+02	1.8000E+01	3.3770E+02	1.8000E+01	3.3770E+02
1970	1.7000E+01	2.2580E+02	1.8000E+01	3.5566E+02	1.8000E+01	3.5566E+02
1971	1.7000E+01	2.4278E+02	1.8000E+01	3.7361E+02	1.8000E+01	3.7361E+02
1972	1.7000E+01	2.5974E+02	1.8000E+01	3.9157E+02	1.8000E+01	3.9157E+02
1973	1.7000E+01	2.7671E+02	1.8000E+01	4.0952E+02	1.8000E+01	4.0952E+02
1974	1.5700E+01	2.9238E+02	1.6500E+01	4.2597E+02	1.6500E+01	4.2597E+02
1975	1.3600E+01	3.0594E+02	1.3500E+01	4.3942E+02	1.3500E+01	4.3942E+02
1976	1.6000E+01	3.2190E+02	1.4000E+01	4.5336E+02	1.4000E+01	4.5336E+02
1977	1.2000E+01	3.3386E+02	1.3000E+01	4.6631E+02	1.3000E+01	4.6631E+02
1978	1.1000E+01	3.4522E+02	1.1500E+01	4.7775E+02	1.1500E+01	4.7775E+02
1979	1.1000E+01	3.5672E+02	1.1500E+01	4.8919E+02	1.1500E+01	4.8919E+02
1980	1.3000E+01	3.6914E+02	1.3500E+01	5.0263E+02	1.3500E+01	5.0263E+02
1981	1.4000E+01	3.8109E+02	1.4000E+01	5.1657E+02	1.4000E+01	5.1657E+02
1982	1.4000E+01	3.9942E+02	1.7000E+01	5.3351E+02	1.4000E+01	5.3251E+02
1983	1.7670E+01	4.1667E+02	1.8500E+01	5.5194E+02	1.8500E+01	5.5094E+02
1984	1.6000E+01	4.3261E+02	1.7000E+01	5.6887E+02	1.7000E+01	5.6787E+02
1985	1.5000E+01	4.4756E+02	1.6000E+01	5.8480E+02	1.5000E+01	5.8281E+02
TOTAL	4.4837E+02		5.8600E+02		5.8400E+02	

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M M M CURIES M M M

	K 105 ATMOSPHERIC		L 105 ATMOSPHERIC		P 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	9.0000E+00	8.9995E+00	9.0000E+00	8.9995E+00	1.0000E+01	9.9994E+00
1956	9.0000E+00	1.7998E+01	1.0000E+01	1.8998E+01	1.0000E+01	1.9998E+01
1957	9.0000E+00	2.6995E+01	1.0000E+01	2.8995E+01	1.0000E+01	2.9995E+01
1958	9.0000E+00	3.5991E+01	1.0000E+01	3.8991E+01	1.0000E+01	3.9990E+01
1959	1.6000E+01	5.1986E+01	1.6000E+01	5.4985E+01	1.7000E+01	5.6985E+01
1960	1.6000E+01	6.7979E+01	1.6000E+01	7.0978E+01	1.7000E+01	7.3977E+01
1961	1.6000E+01	8.3970E+01	1.6000E+01	8.6968E+01	1.7000E+01	9.0967E+01
1962	1.6000E+01	9.9959E+01	1.6000E+01	1.0296E+02	1.7000E+01	1.0795E+02
1963	1.6000E+01	1.1595E+02	1.6000E+01	1.1894E+02	1.7000E+01	1.2494E+02
1964	1.4000E+01	1.2993E+02	1.4000E+01	1.3293E+02	1.4000E+01	1.3892E+02
1965	1.6000E+01	1.4591E+02	1.6000E+01	1.4891E+02	1.6000E+01	1.5491E+02
1966	1.6000E+01	1.6190E+02	1.6000E+01	1.6489E+02	1.6000E+01	1.7089E+02
1967	1.6000E+01	1.7788E+02	1.6000E+01	1.8087E+02	1.6000E+01	1.8687E+02
1968	1.4000E+01	1.9185E+02	1.6000E+01	1.8985E+02	1.4000E+01	2.0084E+02
1969	1.7000E+01	2.0883E+02	9.0000E+00	1.8983E+02	1.7000E+01	2.1782E+02
1970	1.8000E+01	2.2680E+02		1.8980E+02	1.7000E+01	2.3479E+02
1971	1.7000E+01	2.4377E+02		1.8978E+02	1.7000E+01	2.5176E+02
1972	1.7000E+01	2.6074E+02		1.8976E+02	1.7000E+01	2.6873E+02
1973	1.7000E+01	2.7771E+02		1.8974E+02	1.7000E+01	2.8570E+02
1974	1.5700E+01	2.9338E+02		1.8971E+02	1.5700E+01	3.0136E+02
1975	1.2900E+01	3.0624E+02		1.8969E+02	1.2500E+01	3.1362E+02
1976	1.2000E+01	3.1820E+02		1.8967E+02	1.3000E+01	3.2678E+02
1977	1.3000E+01	3.3116E+02		1.8964E+02	1.2000E+01	3.3874E+02
1978	1.1300E+01	3.4242E+02		1.8962E+02	1.1300E+01	3.5000E+02
1979	1.1000E+01	3.5338E+02		1.8960E+02	1.1000E+01	3.6096E+02
1980	1.3000E+01	3.6634E+02		1.8958E+02	1.3000E+01	3.7392E+02
1981	1.3000E+01	3.7929E+02		1.8955E+02	1.4000E+01	3.8787E+02
1982	1.5000E+01	3.9425E+02		1.8953E+02	1.6000E+01	4.0382E+02
1983	1.7670E+01	4.1187E+02		1.8951E+02	1.7670E+01	4.2144E+02
1984	1.7000E+01	4.2882E+02		1.8949E+02	1.6000E+01	4.3739E+02
1985	1.5000E+01	4.4376E+02		1.8946E+02	1.5000E+01	4.5234E+02
TOTAL	4.4457E+02		1.9000E+02		4.5317E+02	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	R 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955	1.1000E+01	1.0999E+01
1956	1.1000E+01	2.1997E+01
1957	1.1000E+01	3.2994E+01
1958	1.1000E+01	4.3989E+01
1959	1.7000E+01	6.0983E+01
1960	1.7000E+01	7.7975E+01
1961	1.7000E+01	9.4964E+01
1962	1.7000E+01	1.1195E+02
1963	1.7000E+01	1.2894E+02
1964	8.0000E+00	1.3692E+02
1965		1.3691E+02
1966		1.3689E+02
1967		1.3687E+02
1968		1.3686E+02
1969		1.3684E+02
1970		1.3682E+02
1971		1.3681E+02
1972		1.3679E+02
1973		1.3677E+02
1974		1.3676E+02
1975		1.3674E+02
1976		1.3672E+02
1977		1.3671E+02
1978		1.3669E+02
1979		1.3668E+02
1980		1.3666E+02
1981		1.3664E+02
1982		1.3663E+02
1983		1.3661E+02
1984		1.3659E+02
1985		1.3658E+02
TOTAL	1.3788E+02	

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	C LIQUID TO STREAMS		C 66G LIQUID TO SEEPAGE BASINS		D 400 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964	6.0000E-01	8.6029E-03				
1965	1.0200E+00	1.4625E-04				
1966	8.5000E-01	1.2187E-04				
1967	4.2000E-01	6.0220E-03				
1968	3.4000E-01	4.8750E-03				
1969	2.2000E-01	3.1544E-03				
1970	3.6000E-01	5.1618E-03				
1971	5.0000E-01	7.1691E-03				
1972	7.0000E-02	1.0037E-03				
1973	1.6000E-02	2.2941E-06			4.2800E-03	6.1367E-07
1974	4.0000E-03	5.7353E-07				
1975						
1976	8.0000E-03	1.1471E-06				
1977	3.2300E-03	4.6312E-07				
1978	2.6590E-05		4.7060E-05			
1979			4.0400E-04			
1980			3.6400E-04			
1981			1.4450E-03	2.0719E-07		
1982			3.0100E-03	4.3158E-07		
1983			1.0290E-02	1.4754E-06		
1984			2.3000E-04			
1985			2.0000E-06			
TOTAL	4.4113E+00		1.5792E-02		4.2800E-03	

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	K LIQUID TO STREAMS		K 904-88G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964	6.5000E-01	9.3198E-05			8.2000E-01	1.1757E-04
1965	8.9700E+00	1.2861E-03	3.7000E+01	5.3051E-03	6.1000E-01	8.7463E-05
1966	6.3600E+00	9.1191E-04	1.1400E+02	1.6346E-02	1.1800E+00	1.4919E-04
1967	2.6800E+00	3.8426E-04	9.0000E+00	1.2904E-03	7.1000E-01	1.0180E-04
1968	1.6000E+00	2.2941E-04			3.4000E-01	4.8750E-05
1969	3.0000E-01	4.3015E-03				
1970	1.3000E-01	1.8640E-05				
1971						
1972						
1973	4.6000E-02	6.5956E-06	1.8000E-02	2.5809E-06		
1974			2.2000E-02	3.1544E-06		
1975			8.0000E-03	1.1471E-06		
1976			9.0000E-03	1.2904E-06		
1977	5.0000E-04		2.2330E-02	3.1587E-06		
1978			8.5350E-04	1.2238E-07		
1979	4.0000E-03	5.7353E-07	1.2800E-04			
1980			5.6000E-04			
1981			6.6800E-04			
1982			3.3560E-03	4.8119E-07		
1983			4.3460E-03	6.2314E-07		
1984			2.6750E-03	3.8355E-07		
1985			1.0800E-04			
TOTAL	2.0740E+01		1.6009E+02		3.6600E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	L 640 LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS		P 610 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964			3.8000E-01	5.4485E-05		
1965			3.0100E+00	4.3158E-04		
1966			1.8300E+00	2.6239E-04		
1967			3.2000E-01	4.5882E-05		
1968			1.6000E-01	2.2941E-05		
1969			2.1000E-01	3.0110E-05		
1970			2.8000E-01	4.0147E-05		
1971			4.2000E-01	6.0220E-05		
1972			2.3000E-01	3.2978E-05		
1973			6.7000E-02	9.6066E-06		
1974			1.0000E-02	1.4338E-06		
1975			2.0000E-03	2.8674E-07		
1976			9.0000E-03	1.2904E-06		
1977			2.7080E-03	3.8828E-07		
1978					2.7480E-03	3.9401E-07
1979					1.4890E-03	2.1350E-07
1980					9.4400E-04	1.3535E-07
1981					1.5900E-03	2.2798E-07
1982					4.8900E-04	
1983					1.2070E-03	1.7306E-07
1984					1.2600E-04	
1985					4.9300E-04	
TOTAL	8.0000E-06		6.9307E+00		9.0860E-03	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	R LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964	6.2000E-01	8.8897E-05
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973		
1974		
1975		
1976		
1977		
1978		
1979		
1980		
1981		
1982		
1983		
1984		
1985		
TOTAL	6.2000E-01	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		D 400 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961	4.9000E+01	1.1668E+01				
1962	7.2730E+01	1.7966E+01				
1963	2.6610E+01	7.3557E+00				
1964	9.1600E+00	2.5962E+00				
1965	4.7100E+00	1.2688E+00				
1966	4.8000E+00	1.2149E+00				
1967	1.3910E+01	3.3811E+00				
1968	3.1360E+01	7.6590E+00	1.0000E-02	2.3812E-03		
1969	3.6200E+01	9.0540E+00	8.8000E-01	2.0968E-01		
1970	1.8040E+01	4.8090E+00	4.6600E+00	1.1215E+00		
1971	1.0340E+01	2.7348E+00		6.3588E-02	2.5000E-02	5.9529E-03
1972	2.2000E-01	2.0744E-01		3.6054E-03	5.0000E-03	1.5281E-03
1973	1.2820E+00	3.1703E-01		2.0442E-04	2.4600E-03	6.7241E-04
1974	4.3210E+00	1.0469E+00		1.1590E-05		3.8125E-05
1975	1.0400E-01	8.4120E-02		6.5717E-07		2.1616E-06
1976	5.9000E-02	1.8810E-02				1.2256E-07
1977	2.9690E-02	8.1366E-03				
1978	4.9600E-04	5.7944E-04	6.8710E-04	1.6361E-04		
1979		3.2854E-05	5.3230E-03	1.2768E-03		
1980		1.8628E-06	6.7380E-03	1.6768E-03		
1981		1.0562E-07	3.2240E-02	7.7719E-03		
1982			4.3120E-02	1.0708E-02		
1983			4.7460E-02	1.1908E-02		
1984			2.3500E-03	1.2347E-03		
1985			2.3450E-02	5.6538E-03		
TOTAL	2.8287E+02		5.7114E+00		3.2460E-02	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

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M M M CURIES M M M

	K LIQUID TO STREAMS		K 904-88G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962	1.5510E+02	3.6932E+01			1.4630E+02	3.4836E+01
1963	6.5560E+01	1.7705E+01			4.4000E+00	3.0229E+00
1964	1.2090E+01	3.8827E+00			3.6360E+01	8.8293E+00
1965	1.9110E+01	4.7705E+00			5.9800E+00	1.9245E+00
1966	2.8000E+00	9.3721E-01			1.1180E+01	2.7712E+00
1967	2.4480E+01	5.8822E+00			3.1660E+01	7.6959E+00
1968	3.4320E+01	8.5056E+00	1.8530E+02	4.4123E+01	5.9510E+01	1.4607E+01
1969	4.7200E+00	1.6062E+00	7.5650E+01	2.0515E+01		8.2818E-01
1970	6.1000E-01	2.3632E-01	1.3380E+01	4.3492E+00		4.6957E-02
1971	4.7800E-02	2.4781E-02	3.0800E+00	9.7999E-01		2.6624E-03
1972	1.8000E-01	4.4266E-02	9.7000E-01	2.8654E-01		1.5096E-04
1973	7.4000E-02	2.8130E-02	1.6600E-01	5.5773E-02		8.5590E-06
1974		1.1414E-03	7.3000E-01	1.7699E-01		4.8529E-07
1975	9.4000E-02	2.2448E-02	5.1000E-02	2.2179E-02		
1976		1.2728E-03	3.8800E-01	7.4597E-02		
1977	5.4520E-01	1.2989E-01	5.1280E-02	1.6440E-02		
1978		7.3648E-03	1.8370E-02	3.4014E-03		
1979	1.0700E+00	2.5520E-01	6.3140E-03	1.6963E-03		
1980		1.4470E-02	1.9330E-03	5.5646E-04		
1981		8.2041E-04	5.7060E-03	1.3902E-03		
1982		4.6516E-05	9.1900E-02	2.1962E-02		
1983		2.6374E-06	1.4540E-02	4.7074E-03		
1984		1.4954E-07	4.1880E-03	1.2641E-03		
1985			1.2750E-02	3.1076E-03		
TOTAL	3.2080E+02		2.7983E+02		2.9539E+02	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS		P 610 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962			7.7680E+01	1.8497E+01		
1963			2.1570E+01	6.1849E+00		
1964			1.4920E+01	3.9034E+00		
1965			5.6030E+01	1.3563E+01		
1966			1.0220E+02	2.5104E+01		
1967			8.3230E+01	2.1242E+01		
1968			4.6250E+01	1.2217E+01		
1969	2.0000E-03	4.7623E-04	2.3430E+01	6.2717E+00		
1970	1.0000E-03	2.6512E-04	7.0200E+00	2.0272E+00		
1971	1.4000E-02	3.3486E-03	1.0480E+00	3.6448E-01		
1972		1.8986E-04	1.0900E+00	2.8021E-01		
1973	1.0000E-03	2.4888E-04	3.4500E-01	9.8037E-02		
1974		1.4111E-03	6.4800E-01	1.5986E-01		
1975		8.0009E-07	9.3000E-02	3.1208E-02		
1976	1.0000E-03	2.3816E-04	2.8500E-01	6.9632E-02		
1977		1.3503E-03	4.4420E-02	1.4525E-02		
1978		7.6563E-07	1.4880E-02	4.3667E-03	1.8660E-03	4.4432E-04
1979				2.4759E-04	7.7300E-03	1.8658E-03
1980				1.4038E-03	2.2040E-03	6.3060E-04
1981				7.9594E-07	3.6180E-02	8.6508E-03
1982					4.1960E-02	1.0482E-02
1983					4.0230E-02	1.0174E-02
1984					8.1560E-03	2.5189E-03
1985					6.9120E-03	1.7887E-03
TOTAL	1.9000E-02		4.3590E+02		1.4524E-01	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	R LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961	1.7880E+01	4.8488E+00
1962	5.9840E+01	1.4478E+01
1963	3.7440E+01	9.7360E+00
1964	1.8760E+01	5.8191E+00
1965		2.8458E-01
1966		1.6135E-02
1967		9.1484E-04
1968		5.1871E-03
1969		2.9410E-06
1970		1.6675E-07
1971		
1972		
1973		
1974		
1975		
1976		
1977		
1978		
1979		
1980		
1981		
1982		
1983		
1984		
1985		
TOTAL	1.3304E+02	

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	C 105 ATMOSPHERIC		K 105 ATMOSPHERIC		L 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	2.0000E+04		3.0000E+04		3.0000E+04	
1956	5.0000E+04		5.0000E+04		5.0000E+04	
1957	5.0000E+04		6.0000E+04		6.0000E+04	
1958	6.0000E+04		7.0000E+04		7.0000E+04	
1959	8.0000E+04		9.0000E+04		9.0000E+04	
1960	8.0000E+04		8.0000E+04		8.0000E+04	
1961	8.0000E+04		6.0000E+04		8.0000E+04	
1962	9.0000E+04		8.0000E+04		8.0000E+04	
1963	9.0000E+04		9.0000E+04		9.0000E+04	
1964	8.0000E+04		7.0000E+04		7.0000E+04	
1965	7.0000E+04		7.0000E+04		7.0000E+04	
1966	7.0000E+04		7.0000E+04		7.0000E+04	
1967	8.0000E+04		8.0000E+04		8.0000E+04	
1968	8.0000E+04		7.0000E+04			
1969	5.0000E+04		5.0000E+04			
1970	3.6600E+04		3.6700E+04			
1971	4.2000E+04		4.0000E+04			
1972	5.2760E+04		5.7720E+04			
1973	4.4180E+04		7.0620E+04			
1974	2.5520E+04		3.0000E+04			
1975	2.3890E+04		1.8050E+04			
1976	3.2220E+04		2.3850E+04			
1977	3.0870E+04		1.5840E+04			
1978	1.7200E+04		1.8340E+04			
1979	2.0970E+04		1.5540E+04			
1980	3.1710E+04		1.5570E+04			
1981	2.2620E+04		1.9550E+04			
1982	1.9470E+04		1.6720E+04			
1983	5.6090E+03		1.0570E+04			
1984	6.6530E+03		5.8080E+03			
1985	1.0340E+04		1.0160E+04		1.3000E+01	
TOTAL	1.4526E+06		1.4450E+06		9.2001E+05	

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	P 105 ATMOSPHERIC		R 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954	2.5000E+04		2.5000E+04	
1955	3.0000E+04		3.0000E+04	
1956	5.0000E+04		5.0000E+04	
1957	6.0000E+04		6.0000E+04	
1958	7.0000E+04		7.0000E+04	
1959	9.0000E+04		9.0000E+04	
1960	8.0000E+04		8.0000E+04	
1961	9.0000E+04		9.0000E+04	
1962	9.0000E+04		9.0000E+04	
1963	9.0000E+04		9.0000E+04	
1964	7.0000E+04		8.0000E+04	
1965	6.0000E+04			
1966	7.0000E+04			
1967	8.0000E+04			
1968	7.0000E+04			
1969	4.0000E+04			
1970	3.6700E+04			
1971	5.9000E+04			
1972	5.6180E+04			
1973	6.9640E+04			
1974	5.2130E+04			
1975	2.2950E+04			
1976	2.6740E+04			
1977	1.8370E+04			
1978	1.7410E+04			
1979	1.6320E+04			
1980	2.2440E+04			
1981	1.9690E+04			
1982	2.4000E+04			
1983	2.4560E+04			
1984	2.3460E+04			
1985	3.1240E+04			
TOTAL	1.5860E+06		7.5500E+05	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		D 488 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	1.4800E+00	1.7753E-02				
1961	1.1500E+01	1.2152E-01				
1962	5.2990E+01	5.5997E-01				
1963	4.0970E+02	4.3294E+00				
1964	2.0280E+02	2.1435E+00	1.4630E+01	1.5460E-01		
1965	1.9270E+02	2.0365E+00	9.1900E+00	9.7130E-02		
1966	3.2310E+02	3.4145E+00	2.9500E+00	3.1184E-02		
1967	1.6820E+02	1.7778E+00			9.0000E-02	9.5105E-04
1968	2.7540E+01	2.9122E-01	2.0000E-01	2.1134E-03		1.0620E-07
1969	1.9820E+01	2.0947E-01	4.2000E-01	4.4385E-03		
1970	7.6500E+00	8.0862E-02	1.6200E+00	1.7119E-02		
1971	7.1720E+00	7.5797E-02				
1972	1.8000E-01	1.9106E-03				
1973	1.6400E-01	1.7332E-03				
1974	4.8600E-01	5.1358E-03				
1975	6.8000E-02	7.1914E-04				
1976	1.8100E-01	1.9127E-03				
1977	4.3220E-01	4.5674E-03				
1978	2.5110E-02	2.6585E-04	1.8930E-02	2.0004E-04		
1979			1.7280E-01	1.8260E-03		
1980			1.3490E-01	1.4257E-03		
1981			1.8080E-01	1.9107E-03		
1982			2.7730E-01	2.9305E-03		
1983			3.4610E-04	3.9845E-06		
1984			2.3760E-02	2.5108E-04		
1985			1.9320E-01	1.6189E-03		
TOTAL	1.4264E+03		2.9972E+01		9.0000E-02	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

CR-51

M M M CURIES M M M

	H 488 LIQUID TO SEEPAGE BASINS		K LIQUID TO STREAMS		K 650 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960			8.4000E-01	8.8765E-03		
1961			1.1280E+01	1.1835E-01		
1962			1.9620E+01	2.0734E-01		
1963			2.0200E+02	2.1346E+00		
1964			3.1190E+02	3.2961E+00		
1965			2.4510E+02	2.5904E+00	2.4000E+00	2.5361E-02
1966			4.6500E+00	4.9427E-02		2.8320E-06
1967			3.6990E+01	3.9889E-01		
1968			3.7030E+01	3.9135E-01		
1969			1.0290E+01	1.0836E-01		
1970				1.2100E-05		
1971	2.4470E+01	2.5858E-01	1.1700E-03	1.2365E-05		
1972	3.0120E+01	3.1831E-01				
1973	1.3670E+01	1.4449E-01				
1974	7.7200E+00	8.1595E-02				
1975	4.5070E+00	4.7635E-02				
1976	6.0250E+00	6.3675E-02				
1977	5.9830E+00	6.3231E-02	1.5940E-01	1.6844E-03		
1978	1.4230E+00	1.5044E-02		1.8609E-07		
1979	7.7700E-01	8.2124E-03	5.3800E-01	5.6552E-03		
1980	1.0850E+00	1.1466E-02		6.3484E-07		
1981	2.1020E+00	2.2214E-02				
1982	2.0990E+00	2.2183E-02				
1983	1.0890E+00	1.1510E-02				
1984	5.6440E+00	5.9854E-02				
1985	3.5510E+00	3.7531E-02				
TOTAL	1.1028E+02		8.8028E+02		2.4000E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CR-51

M M M CURIES M M M

	K 904-88G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS		L 640 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960			1.8800E+00	1.9866E-02		
1961			1.0200E+01	1.0779E-01		
1962			1.2530E+01	1.3242E-01		
1963			9.0170E+01	9.5286E-01		
1964			8.0850E+01	8.5444E-01	1.7400E+00	1.8387E-02
1965			2.1150E+02	2.2351E+00	4.0000E-03	4.4322E-05
1966			2.9600E+02	3.1281E+00		
1967			3.0440E+01	3.2201E-01	2.5200E+00	2.6629E-02
1968	1.1360E+02	1.2004E+00	5.6100E+00	5.9318E-02	1.9900E+00	2.1032E-02
1969	2.9940E+02	3.1217E+00		6.6238E-06		2.3485E-06
1970	6.9300E+00	7.3579E-02				
1971	6.3000E-01	6.6656E-03				
1972	5.1000E-01	5.3900E-03				
1973	4.1200E-01	4.3543E-03				
1974	1.6400E-01	1.7335E-03				
1975	5.8000E-02	6.1309E-04				
1976	3.5000E-01	3.6986E-03				
1977	1.4240E-01	1.5073E-03				
1978	9.3100E-02	9.8397E-04				
1979	1.4700E-01	1.5619E-03				
1980	2.2140E-01	2.3398E-03				
1981	8.2350E-02	8.7047E-04				
1982	3.6100E-01	3.8149E-03				
1983	1.1970E-02	1.2692E-04				
1984	2.0890E-02	2.2074E-04			1.7800E-04	1.8810E-06
1985	2.4210E-02	2.5966E-04			6.2542E+00	
TOTAL	4.1916E+02		7.3918E+02			

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CR-51

M M M CURIES M M M

	L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS		P 610 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960			4.2400E+00	4.4805E-02		
1961			9.5000E+00	1.0039E-01		
1962			6.6640E+01	7.0621E-01		
1963			2.4110E+02	2.5478E+00		
1964	4.4420E+01	4.6940E-01	3.5900E+02	3.7939E+00	6.0800E-02	6.3403E-04
1965	8.8130E+01	9.3134E-01	1.3410E+02	1.4175E+00	4.0000E-03	4.2340E-05
1966	4.6900E+00	4.9664E-02	1.2700E+00	1.3579E-02	2.0000E-03	2.1139E-05
1967		5.5458E-06	6.3200E+00	6.6786E-02		
1968			1.5640E+01	1.6549E-01	1.7700E+00	1.8704E-02
1969	1.0000E-03	1.0567E-05	3.8450E+01	4.0633E-01		2.0886E-06
1970			8.2600E+00	8.7330E-02		
1971	2.3000E-02	2.4305E-04	1.5500E-01	1.6477E-03		
1972	6.5000E-01	6.8687E-03	1.2000E+00	1.2681E-02		
1973		7.6700E-07	2.8100E-01	2.9708E-03		
1974			1.0900E-01	1.1522E-03		
1975			4.8000E-02	5.0735E-04		
1976			1.8100E-01	1.9127E-03		
1977			7.0030E-02	7.4023E-04		
1978			1.5300E-02	1.6176E-04	8.8870E-03	9.3911E-05
1979					1.7370E-01	1.8355E-03
1980					1.0660E-01	1.1267E-03
1981					8.3590E-02	8.8344E-04
1982					1.4330E-01	1.5144E-03
1983					7.8650E-02	8.3128E-04
1984					2.2270E-01	2.3534E-03
1985					9.6410E-02	1.0190E-03
TOTAL	1.3791E+02		8.8660E+02		2.7498E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

CR-51

M M M CURIES M M M

	R LIQUID TO STREAMS		R 600 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954				
1955				
1956				
1957				
1958				
1959				
1960	2.8100E+00	2.9694E-02		
1961	1.9100E+01	2.0184E-01		
1962	5.9500E+01	6.2877E-01		
1963	3.3740E+02	3.5654E+00		
1964	1.3080E+02	1.3826E+00	1.0000E-02	1.0567E-04
1965		1.5439E-04		
1966				
1967				
1968				
1969				
1970				
1971				
1972				
1973				
1974				
1975				
1976				
1977				
1978				
1979				
1980				
1981				
1982				
1983				
1984				
1985				
TOTAL	5.4961E+02		1.0000E-02	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

MH-54

M M M CURIES M M M

	C LIQUID TO STREAMS		K LIQUID TO STREAMS		K 904.88G LIQUID TO CONTAINMENT BASIN	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964	1.4000E-01	9.3395E-02	4.6000E-01	3.2021E-01		
1965		4.1564E-02		1.4251E-01		
1966		1.8498E-02		6.3420E-02		
1967		8.2321E-03		2.8224E-02		
1968		3.6636E-03		1.2561E-02		
1969		1.6304E-03		5.5908E-03		
1970		7.2560E-04		2.4878E-03		
1971		3.2292E-04		1.1071E-03		
1972		1.4371E-04		4.9272E-04		
1973		6.3956E-05		2.1928E-04		
1974		2.8463E-05		9.7587E-05		
1975		1.2667E-05		4.3430E-05		
1976		5.6373E-06		1.9328E-05		
1977		2.5080E-06	2.1010E-02	1.4025E-02		
1978		1.1165E-06		6.2414E-03		
1979		4.9688E-07		2.7777E-03		
1980		2.2113E-07		1.2562E-03		
1981				5.5014E-04		
1982				2.4483E-04	1.1000E-05	7.3382E-06
1983				1.0896E-04		3.2658E-06
1984				6.8490E-05		1.4534E-06
1985				2.1580E-05		6.4681E-07
TOTAL	1.4000E-01		5.6101E-01		1.1000E-05	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CO-58

*** CURIES ***

H 480
LIQUID TO SEEPAGE BASINS

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971	9.7000E-01	1.6440E-01
1972	1.0000E-01	2.1671E-02
1973	3.9000E-01	6.6721E-02
1974	6.2000E-01	1.0700E-01
1975	4.8100E-01	8.4595E-02
1976	1.1300E-01	2.1582E-02
1977	6.0000E-03	1.6368E-03
1978	5.3910E-04	1.3839E-04
1979		3.9751E-06
1980		1.1418E-07
1981	7.0200E-04	1.1898E-04
1982	2.2420E-04	4.1416E-05
1983	2.1230E-02	3.5993E-03
1984	1.4000E-02	2.4762E-03
1985	7.0000E-03	1.2575E-03
TOTAL	2.7237E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CO-60

*** CURIES ***

A 773
ATMOSPHERIC

C
LIQUID TO STREAMS

C 660
LIQUID TO SEEPAGE BASINS

	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956			2.6000E-02	2.4339E-02		
1957			2.4000E-02	4.3797E-02		
1958			4.4000E-02	7.9571E-02		
1959			8.2000E-02	1.4649E-01		
1960			9.2400E-01	9.9336E-01	2.9400E-01	2.7522E-01
1961			5.2000E-01	1.3573E+00	1.2700E-01	3.6008E-01
1962			1.1000E+00	2.2192E+00	4.0000E-02	3.5300E-01
1963			1.5500E+00	3.3958E+00	7.8000E-03	3.1665E-01
1964			6.2000E-01	3.5563E+00	9.8000E-02	3.6923E-01
1965			1.8000E-01	3.2850E+00	2.3000E-01	5.3888E-01
1966			7.2000E-01	3.5528E+00	9.0000E-02	5.5650E-01
1967			4.2000E-01	3.5066E+00	3.0000E-02	5.1576E-01
1968	3.9300E-02	3.6790E-02	2.7000E-01	3.3258E+00	8.0000E-02	5.2688E-01
1969	1.0990E-02	4.2329E-02	9.6000E-01	3.8132E+00	4.0000E-03	4.6547E-01
1970	2.7500E-03	3.9844E-02		3.3417E+00		4.0791E-01
1971	2.6400E-03	3.7388E-02	1.7000E-01	3.0876E+00	1.0000E-03	3.5840E-01
1972	7.1200E-03	3.9430E-02	4.6040E+00	7.0157E+00		3.1408E-01
1973	1.7800E-03	3.6221E-02	2.0000E-02	6.1669E+00		2.7524E-01
1974	3.8700E-03	3.5364E-02	1.4000E-02	5.4174E+00		2.4121E-01
1975	1.1050E-03	3.2026E-02		4.7475E+00		2.1138E-01
1976	1.2900E-04	2.8186E-02	4.0000E-03	4.1642E+00		1.8524E-01
1977	3.8000E-04	2.5056E-02	1.0000E-03	3.6502E+00		1.6233E-01
1978	3.8000E-04	2.2314E-02	7.9800E-04	3.1995E+00		1.4226E-01
1979	4.0000E-04	1.9929E-02	3.9390E-04	2.8042E+00		1.2467E-01
1980	6.1700E-04	1.8042E-02	3.5000E-05	2.4575E+00	1.4000E-04	1.0938E-01
1981	8.9000E-05	1.5894E-02		2.1536E+00	1.9800E-04	9.6042E-02
1982	4.4000E-05	1.3970E-02	1.3200E-04	1.8874E+00	2.1400E-04	8.4366E-02
1983	1.6800E-04	1.2400E-02		1.6540E+00	6.0000E-05	7.3985E-02
1984	5.4000E-05	1.0917E-02		1.4495E+00	1.8490E-04	6.5013E-02
1985		9.5670E-03		1.2702E+00	8.3000E-04	5.7769E-02
				1.1132E+00	2.4200E-04	5.0852E-02
TOTAL	7.1816E-02		1.2254E+01		1.0037E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CO-60

*** CURIES ***

	D 400 LIQUID TO STREAMS		F 291 ATMOSPHERIC		F 470 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967	1.1000E-01	1.0297E-01				
1968	4.0000E-02	1.2769E-01				
1969	1.0000E-02	1.2126E-01				
1970	2.0000E-03	1.0814E-01			2.0000E-02	1.8723E-02
1971	5.0000E-03	9.9444E-02	1.8970E-02	1.7758E-02	9.0000E-02	1.0066E-01
1972	1.0000E-03	8.8083E-02	9.0000E-05	1.3647E-02	1.0000E-02	9.7573E-02
1973	3.4000E-03	8.0373E-02		1.3712E-02		8.5507E-02
1974		7.0434E-02		1.2016E-02		7.4933E-02
1975		6.1725E-02		1.0530E-02		6.5667E-02
1976		5.4092E-02		9.2281E-03		5.7547E-02
1977		4.7403E-02		8.0870E-03		5.0431E-02
1978		4.1541E-02		7.0870E-03		4.4194E-02
1979		3.6404E-02		6.2104E-03		3.8940E-02
1980		3.1902E-02		5.4424E-03		3.3943E-02
1981		2.7957E-02		4.7696E-03		2.9743E-02
1982		2.4500E-02		4.1798E-03		2.6063E-02
1983		2.1471E-02		3.6629E-03		2.2842E-02
1984		1.8816E-02		3.2099E-03		2.0017E-02
1985		1.6489E-02		2.8130E-03		1.7542E-02
TOTAL	1.7140E-01		1.9060E-02		1.2000E-01	1.5373E-02

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CO-60

*** CURIES ***

	H 291 ATMOSPHERIC		H 480 LIQUID TO SEEPAGE BASINS		K LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971	6.2000E-04	5.8040E-04	6.6000E-01	6.1785E-01	2.2000E-02	2.0595E-02
1972		5.0863E-04	3.2000E-01	8.4101E-01	4.8000E-02	6.2982E-02
1973		4.4573E-04	4.2000E-01	1.1302E+00	1.3000E-01	1.7689E-01
1974		3.9061E-04	3.0000E-02	1.8185E+00	6.2000E-02	2.1306E-01
1975		3.4231E-04	4.0000E-02	9.3001E-01	3.9400E-01	5.4618E-01
1976		2.9998E-04	4.9000E-01	1.2737E+00	3.9400E-01	5.4618E-01
1977		2.6289E-04	4.1400E-01	1.5038E+00	2.7200E+00	3.0249E+00
1978		2.3038E-04	4.6700E-01	1.7550E+00	1.0500E+00	3.4338E+00
1979		2.0189E-04	3.9800E-01	1.9105E+00	1.7900E+00	4.8601E+00
1980		1.7692E-04	1.6520E-01	1.8289E+00	6.7000E-01	4.8863E+00
1981		1.5505E-04	1.0300E-01	1.6992E+00	1.4000E-01	4.4131E+00
1982		1.3587E-04	2.1900E-01	1.6941E+00	7.7900E+00	1.1160E+01
1983		1.1907E-04	1.5860E-01	1.6331E+00	8.6000E-01	9.3756E+00
1984		1.0435E-04	2.5670E-01	1.6714E+00	5.8000E-01	8.7591E+00
1985		9.1443E-05	2.2170E-01	1.6723E+00		7.6760E+00
TOTAL	6.2000E-04		4.9092E+00			6.7268E+00

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CO-60

*** CURIES ***

	K 650 LIQUID TO SEEPAGE BASINS		K 904-88G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956					5.6000E-02	5.2423E-02
1957					1.0000E-01	1.3955E-01
1958					2.3800E-01	3.4510E-01
1959	4.0000E-02	3.7445E-02			2.1200E-01	5.0088E-01
1960	6.2000E-03	3.8619E-02			5.3200E-01	9.3696E-01
1961		3.3843E-02			2.5700E+00	3.2270E+00
1962		2.9658E-02			1.5100E+00	4.2415E+00
1963		2.5991E-02			1.3000E+00	4.9339E+00
1964		2.2777E-02			2.7000E-01	4.5766E+00
1965	2.2000E-01	2.2091E-01			1.1900E+00	5.1246E+00
1966		1.9797E-01			2.0100E+00	6.3725E+00
1967		1.7349E-01			4.4000E+00	9.2035E+00
1968		1.5204E-01	3.7000E-01	3.4637E-01	4.5000E-01	8.9248E+00
1969		1.3324E-01	6.7000E-01	9.3074E-01	1.0000E-01	7.9148E+00
1970		1.1676E-01	8.0000E-02	8.9054E-01		6.9361E+00
1971		1.0232E-01	3.0000E-02	8.0850E-01		6.0784E+00
1972		8.9669E-02		7.0852E-01		5.3267E+00
1973		7.8581E-02	3.0000E-03	6.2372E-01		4.6680E+00
1974		6.8864E-02	1.0000E-03	5.4752E-01		4.0908E+00
1975		6.0348E-02	1.0000E-03	4.8075E-01		3.5849E+00
1976		5.2885E-02	1.0000E-03	4.2224E-01		3.1416E+00
1977		4.6346E-02	2.6000E-05	3.7005E-01		2.7531E+00
1978		4.0615E-02	1.2200E-04	3.2440E-01		2.4127E+00
1979		3.5592E-02		2.8429E-01		2.1143E+00
1980		3.1191E-02	1.7050E-03	2.5073E-01		1.8529E+00
1981		2.7334E-02	1.9250E-03	2.2153E-01	1.1400E-04	1.6237E+00
1982		2.3954E-02	6.6410E-03	2.0035E-01	1.1100E-04	1.4231E+00
1983		2.0992E-02	2.7550E-03	1.7815E-01	1.8520E-03	1.2472E+00
1984		1.8396E-02	3.4500E-04	1.5645E-01	3.1200E-04	1.0947E+00
1985		1.6121E-02	1.0010E-02	1.4647E-01		9.5962E-01
TOTAL	2.6620E-01		1.1795E+00		1.4940E+01	8.4095E-01

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CO-60

*** CURIES ***

	L 640 LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956					5.6000E-02	5.2423E-02
1957					1.3000E-01	1.6764E-01
1958	6.2000E-02	5.8040E-02			3.7600E-01	4.9889E-01
1959	8.0000E-03	5.8352E-02			1.7800E-01	6.0383E-01
1960	1.1000E-02	6.1434E-02			2.4000E-01	7.5383E-01
1961	4.0000E-05	5.3874E-02			1.0100E+00	1.6061E+00
1962	6.0000E-05	4.7268E-02	5.2600E-02	4.9240E-02	6.2000E-01	2.1751E+00
1963	2.8000E-01	3.0916E-01	4.2200E-02	8.2656E-02	6.0300E+00	7.5510E+00
1964	1.0000E-02	2.8029E-01	3.0800E-01	3.6076E-01	1.1300E+00	7.6751E+00
1965	1.8000E-03	2.4656E-01	1.5800E+00	1.7952E+00	7.5000E-01	7.4281E+00
1966		2.1607E-01	1.3300E+00	2.8183E+00	2.8000E-01	4.7717E+00
1967	4.8000E-02	2.2680E-01	2.4000E-01	2.6945E+00	2.4000E-01	6.1590E+00
1968	1.4400E+00	1.5448E+00	1.2000E-01	2.4736E+00		5.3977E+00
1969	1.0000E-03	1.3564E+00	4.0000E-02	2.2052E+00	1.6000E-01	4.8797E+00
1970		1.1887E+00	4.9000E-02	1.9783E+00	2.0900E-01	4.4635E+00
1971		1.0417E+00	2.0000E-03	1.7356E+00		3.9115E+00
1972		9.1289E-01	1.0000E-02	1.5303E+00	2.1270E-02	3.4478E+00
1973		8.0001E-01	1.0000E-02	1.3504E+00	1.2000E-01	3.1337E+00
1974		7.0108E-01		1.1834E+00	2.0000E-03	2.7481E+00
1975		6.1438E-01		1.0371E+00	1.0000E-03	2.4092E+00
1976		5.3841E-01	7.0000E-03	9.1541E-01	1.0000E-03	2.1122E+00
1977		4.7183E-01		8.0221E-01		1.8510E+00
1978		4.1348E-01	2.0700E-04	7.0320E-01	6.0000E-05	1.6222E+00
1979		3.6235E-01	3.4360E-04	6.1657E-01		1.4216E+00
1980		3.1754E-01	1.8100E-04	5.4049E-01		1.2458E+00
1981		2.7820E-01		4.7365E-01	8.3000E-05	1.0918E+00
1982		2.4387E-01		4.1508E-01		9.5681E-01
1983		2.1371E-01		3.6375E-01		8.3849E-01
1984		1.8728E-01		3.1877E-01		7.3480E-01
1985	8.9000E-05	1.6421E-01		2.7935E-01		6.4394E-01
TOTAL	1.8592E+00		3.7915E+00		1.1745E+01	5.6431E-01

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CO-60

M M M CURIES M M M

	P 610 LIQUID TO SEEPAGE BASINS		R LIQUID TO STREAMS		R 60G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954			6.0000E-02	5.6168E-02		
1955			6.4000E-02	1.0913E-01		
1956			3.0400E-01	3.8022E-01		
1957	6.4000E-02	5.9912E-02	8.5160E-01	1.1304E+00	2.3000E+00	2.1531E+00
1958	2.0000E-03	5.4376E-02	5.4000E-01	1.4961E+00	8.4400E-01	2.6769E+00
1959	1.1400E-01	1.9437E-01	5.6600E-01	1.8410E+00	1.8000E-02	2.3628E+00
1960	1.2200E-01	2.4949E-01	9.7000E-01	2.5214E+00		2.0706E+00
1961	6.6200E-02	2.8061E-01	1.8500E+00	3.9414E+00		1.8145E+00
1962	2.9800E-02	2.7381E-01	2.0200E+00	5.3450E+00	1.6000E-03	1.5917E+00
1963	6.0000E-02	2.9612E-01	2.3800E+00	6.9120E+00	2.0000E-03	1.3967E+00
1964	8.8000E-01	1.0833E+00	8.5000E-01	6.8530E+00		1.2240E+00
1965	3.0000E-03	9.5214E-01		6.0056E+00		1.0726E+00
1966	3.0000E-03	8.3721E-01		5.2629E+00		9.3999E-01
1967	5.0000E-03	7.3836E-01		4.6121E+00		8.2375E-01
1968	3.0000E-02	6.7514E-01		4.0418E+00		7.2189E-01
1969		5.9165E-01		3.5420E+00		6.3262E-01
1970		5.1849E-01		3.1040E+00		5.5439E-01
1971		4.5437E-01		2.7202E+00		4.8583E-01
1972		3.9819E-01		2.3838E+00		4.2576E-01
1973		3.4895E-01		2.0890E+00		3.7311E-01
1974		3.0580E-01		1.8307E+00		3.2697E-01
1975		2.6798E-01		1.6043E+00		2.8654E-01
1976		2.3484E-01		1.4059E+00		2.5110E-01
1977		2.0580E-01		1.2321E+00		2.2005E-01
1978		1.8035E-01		1.0797E+00		1.9284E-01
1979		1.5805E-01		9.4619E-01		1.6899E-01
1980		1.3851E-01		8.2918E-01		1.4810E-01
1981	1.0000E-06	1.2138E-01		7.2665E-01		1.2978E-01
1982		1.0637E-01		6.3679E-01		1.1373E-01
1983		9.3217E-02		5.5805E-01		9.9670E-02
1984	6.5000E-05	8.1750E-02		4.8904E-01		8.7345E-02
1985	3.5500E-04	7.1973E-02		4.2856E-01		7.6544E-02
TOTAL	1.3794E+00		1.0456E+01		3.1656E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CO-60

M M M CURIES M M M

CENTRAL SHOPS (FORD BUILDING) LIQUID TO SEEPAGE BASINS	
ORIGINAL RELEASE	DECAY CORRECTED
1954	
1955	
1956	
1957	
1958	
1959	
1960	
1961	
1962	
1963	
1964	
1965	
1966	
1967	
1968	
1969	
1970	
1971	
1972	
1973	
1974	
1975	
1976	
1977	
1978	
1979	
1980	1.5000E-05
1981	1.4042E-05
1982	2.6000E-05
1983	3.6645E-05
1984	4.4900E-04
1985	4.5244E-04
1986	1.7200E-04
1987	5.5750E-04
1988	5.1477E-04
1989	4.5112E-04
TOTAL	6.9900E-04

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

Zn-65

*** Curies ***

	C LIQUID TO STREAMS		C 66G LIQUID TO SEEPAGE BASINS		H 48G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	5.0000E-01	2.9815E-01				
1961	2.6100E+00	1.6624E+00				
1962	7.5500E+00	5.0932E+00				
1963	2.4700E+00	3.2839E+00				
1964	1.6300E+00	2.1397E+00	3.0000E-02	1.7889E-02		
1965	3.4700E+00	2.8300E+00	4.0000E-03	8.7463E-03		
1966	3.7800E+00	3.2603E+00		3.1100E-03		
1967	1.1900E+00	1.8689E+00		1.1039E-03		
1968	2.2200E+00	1.9884E+00	1.0000E-02	6.3563E-03		
1969	5.3000E-01	1.0231E+00		2.2602E-03		
1970	5.1000E-01	6.6790E-01		6.0368E-04		
1971	1.7500E+00	1.2610E+00		2.8577E-04		
1972		4.5551E-01		1.0162E-04		
1973		1.6197E-01		3.6133E-05		
1974	1.3700E-01	1.3929E-01		1.2848E-05	7.6000E-01	4.5319E-01
1975	2.0000E-03	5.0721E-02		4.5686E-06	5.6700E-01	4.9925E-01
1976		1.8035E-02		1.6245E-06	4.3600E-01	4.3751E-01
1977		6.4131E-03		5.7764E-07	5.3100E-01	4.7221E-01
1978		2.2804E-03		2.0540E-07	5.3840E-02	2.0001E-01
1979		8.1086E-04			8.0000E-02	1.1883E-01
1980		2.8833E-04			1.4000E-01	1.2574E-01
1981		1.0252E-04			7.4420E-02	8.9086E-02
1982		3.6455E-05			9.1290E-02	8.6114E-02
1983		1.2961E-05			9.4530E-02	8.6989E-02
1984		4.6091E-06			1.0000E-02	3.6895E-02
1985		1.6390E-06			3.0000E-03	1.4908E-02
TOTAL	2.8349E+01		4.4000E-02		2.8411E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

Zn-65

*** Curies ***

	K LIQUID TO STREAMS		K 65G LIQUID TO SEEPAGE BASINS		K 904-88G LIQUID TO CONTAINMENT BASIN	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	1.0000E+00	5.9631E-01				
1961	2.3000E+00	1.5835E+00				
1962	4.0100E+00	2.9543E+00				
1963	4.7800E+00	3.9008E+00				
1964	2.1800E+00	2.6870E+00				
1965	2.0000E+00	2.1481E+00	2.4000E-01	1.4311E-01		
1966	4.6000E-01	1.0381E+00		5.0889E-02		
1967	1.8200E+00	1.4544E+00		1.8095E-02		
1968	7.7000E-01	9.7632E-01		6.4343E-03	3.6300E+00	2.1646E+00
1969		3.4716E-01		2.2879E-03	5.6000E-01	1.1036E+00
1970		1.2344E-01		8.1354E-04		3.9243E-01
1971		4.3894E-02		2.8928E-04	3.0000E-02	1.5743E-01
1972		1.5608E-02		1.0286E-04		5.5979E-02
1973		5.5499E-03		3.6576E-05		1.9905E-02
1974		1.9735E-03		1.3006E-05		7.0779E-03
1975		7.0172E-04		4.6246E-06		2.5168E-03
1976		2.4952E-04		1.6444E-06	2.0000E-03	2.0875E-03
1977		8.8725E-05		5.8473E-07		7.4229E-04
1978		3.1549E-05		2.0792E-07		2.6394E-04
1979		1.1218E-05				9.3853E-05
1980		3.9890E-06				3.3373E-05
1981		1.4184E-06				1.1867E-05
1982		5.0436E-07			5.4700E-04	3.3040E-04
1983		1.7934E-07				1.1748E-04
1984						4.1775E-05
1985						1.4854E-05
TOTAL	1.9320E+01		2.4000E-01		4.2225E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

ZN-65

M M M C U R I E S M M M

	L LIQUID TO STREAMS		I 64G LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	1.1100E+00	6.6190E-01				
1961	6.0100E+00	3.8192E+00				
1962	3.8300E+00	3.6419E+00				
1963	9.4000E-01	1.8555E+00				
1964	6.2100E+00	4.3628E+00				
1965	1.3300E+00	2.3444E+00			1.0000E-02	5.9631E-03
1966	1.8600E+00	1.9428E+00			9.0000E-02	5.3788E-02
1967	3.1600E+00	2.5751E+00	1.2000E-01	7.1557E-02	1.0000E-02	2.5800E-02
1968	7.4000E-01	1.3569E+00		2.5444E-02		9.1741E-03
1969		4.8230E-01		9.0475E-03		3.2621E-03
1970		1.7137E-01		3.2171E-03		1.1600E-03
1971		6.1007E-02		1.1440E-03		4.1246E-04
1972		2.1693E-02		4.0677E-04		1.4666E-04
1973		7.7136E-03		1.4464E-04		5.2151E-05
1974		2.7428E-03		5.1431E-05		1.8544E-05
1975		9.7529E-04		1.8288E-05		6.5938E-06
1976		3.4680E-04		6.5829E-06		2.3466E-06
1977		1.2331E-04		2.3123E-06		8.3371E-07
1978		4.3848E-05		8.2221E-07		2.9645E-07
1979		1.5592E-05		2.9236E-07		1.0541E-07
1980		5.5441E-06		1.0396E-07		
1981		1.9714E-06				
1982		7.0099E-07				
1983		2.4926E-07				
1984						
1985						
TOTAL	2.5190E+01		1.2000E-01		1.1000E-01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

ZN-65

M M M C U R I E S M M M

	P LIQUID TO STREAMS		P 61G LIQUID TO SEEPAGE BASINS		R LIQUID TO SYREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	6.7000E-01	3.9953E-01			1.0100E+00	6.0227E-01
1961	2.6600E+00	1.7282E+00			7.0000E+00	4.3883E+00
1962	6.7000E+00	4.6898E+00			9.8300E+00	7.4221E+00
1963	9.6700E+00	7.4054E+00			1.5540E+01	1.1906E+01
1964	5.6800E+00	6.0203E+00			4.2300E+00	6.7558E+00
1965	2.1400E+00	3.4168E+00				2.4023E+00
1966	1.4200E+00	2.0617E+00				8.5420E-01
1967	1.1500E+00	1.4189E+00				3.0374E-01
1968	7.8000E-01	9.6964E-01	1.8000E-01	1.0734E-01		1.0800E-01
1969	1.0100E+00	9.4706E-01		3.8166E-02		3.8404E-02
1970		3.3676E-01		1.3571E-02		1.3656E-02
1971	1.1600E-03	1.2044E-01		4.8257E-03		4.8557E-03
1972		4.2825E-02		1.7159E-03		1.7266E-03
1973		1.5228E-02		6.1015E-04		6.1395E-04
1974		5.4147E-03		2.1696E-04		2.1831E-04
1975		1.9254E-03		7.7147E-05		7.7627E-05
1976		6.8462E-04		2.7432E-05		2.7603E-05
1977		2.4344E-04		9.7543E-06		9.8150E-06
1978		8.6563E-05		3.4684E-06		3.4900E-06
1979		3.0780E-05		1.2333E-06		1.2410E-06
1980		1.0945E-05		4.3854E-07		4.4127E-07
1981		3.8918E-06		1.5594E-07		1.5691E-07
1982		1.3838E-06				
1983		4.9207E-07				
1984		1.7497E-07				
1985						
TOTAL	3.1881E+01		1.8000E-01		3.7610E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
SE-75

*** CURIES ***

COMBINED F AND H
ATMOSPHERIC

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973		
1974		
1975		
1976		
1977		
1978		
1979		
1980		
1981		
1982		
1983	5.5000E-05	1.9151E-05
1984	4.2000E-05	1.6946E-05
1985	9.3000E-06	5.2927E-06
TOTAL	1.0630E-04	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
BR-82

*** CURIES ***

K 105
ATMOSPHERIC

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973		
1974		
1975		
1976		
1977		
1978		
1979		
1980		
1981		
1982		
1983		
1984	4.0000E-02	
1985		
TOTAL	4.0000E-02	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
KR-85

M M M CURIES M M M

COMBINED F AND H
ATMOSPHERIC

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971	6.4010E+05	6.1976E+05
1972	6.0490E+05	1.1667E+06
1973	7.6500E+05	1.8344E+06
1974	5.0000E+05	2.2038E+06
1975	5.2480E+05	2.5741E+06
1976	7.3600E+05	3.1257E+06
1977	4.4280E+05	3.3590E+06
1978	5.3260E+05	3.6646E+06
1979	4.8250E+05	3.9026E+06
1980	5.8320E+05	4.2232E+06
1981	8.3850E+05	4.7709E+06
1982	5.1070E+05	4.9670E+06
1983	5.6570E+05	5.2041E+06
1984	8.4320E+05	5.6951E+06
1985	6.5000E+05	5.9682E+06
TOTAL	9.2200E+06	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
KR-85M

M M M CURIES M M M

C 105
ATMOSPHERIC

K 105
ATMOSPHERIC

L 105
ATMOSPHERIC

	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	2.0000E+01		2.0000E+01		2.0000E+01	
1956	6.0000E+01		6.0000E+01		6.0000E+01	
1957	1.4000E+02		1.4000E+02		1.4000E+02	
1958	3.6000E+02		3.6000E+02		3.6000E+02	
1959	6.8000E+02		6.8000E+02		6.8000E+02	
1960	9.2000E+02		9.2000E+02		9.2000E+02	
1961	4.8000E+02		4.8000E+02		4.8000E+02	
1962	3.6000E+02		3.6000E+02		3.6000E+02	
1963	1.3600E+03		1.3600E+03		1.3600E+03	
1964	1.8000E+02		1.8000E+02		1.8000E+02	
1965	5.0000E+02		5.0000E+02		5.0000E+02	
1966	6.0000E+02		6.0000E+02		6.0000E+02	
1967	8.3000E+03		8.3000E+03		8.3000E+03	
1968	3.1500E+03		3.1500E+03		3.1500E+03	
1969	1.8000E+03		1.8000E+03			
1970	8.0000E+02		8.0000E+02			
1971	7.2000E+02		8.4000E+02			
1972	1.1600E+03		4.5100E+03			
1973	1.5800E+03		3.0560E+03			
1974	4.5000E+02		8.8600E+02			
1975	8.5000E+01		2.1600E+02			
1976	1.2500E+02		8.8000E+01			
1977	1.6300E+02		4.9000E+01			
1978	1.1600E+02		1.0700E+02			
1979	2.2700E+02		1.0000E+02			
1980	1.6860E+03		1.9300E+02			
1981	2.7000E+02		3.3000E+02			
1982	2.2200E+02		2.6000E+02			
1983	2.1500E+02		1.8900E+02			
1984	6.5000E+01		6.3000E+01			
1985	3.3000E+01		1.9300E+02			
TOTAL	2.6855E+04		3.0790E+04		1.7110E+04	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

KR-85M

M M M CURIES M M M

	P 105 ATMOSPHERIC		R 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954	2.0000E+01		2.0000E+01	
1955	2.0000E+01		2.0000E+01	
1956	6.0000E+01		6.0000E+01	
1957	1.4000E+02		1.4000E+02	
1958	3.6000E+02		3.6000E+02	
1959	6.8000E+02		6.8000E+02	
1960	9.2000E+02		9.2000E+02	
1961	4.8000E+02		4.8000E+02	
1962	3.6000E+02		3.6000E+02	
1963	1.3600E+03		1.3600E+03	
1964	1.8000E+02		1.8000E+02	
1965	5.0000E+02			
1966	6.0000E+02			
1967	8.3000E+03			
1968	3.1500E+03			
1969	1.8000E+03			
1970	8.0000E+02			
1971	1.5000E+03			
1972	1.6600E+03			
1973	1.8800E+03			
1974	9.0000E+00			
1975	6.7000E+01			
1976	1.7000E+02			
1977	6.0700E+02			
1978	6.6600E+02			
1979	1.4650E+03			
1980	1.3260E+03			
1981	6.9900E+02			
1982	7.8500E+02			
1983	8.2200E+02			
1984	1.0510E+03			
1985	1.0550E+03			
TOTAL	3.3492E+04		4.5800E+03	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

KR-87

M M M CURIES M M M

	C 105 ATMOSPHERIC		K 105 ATMOSPHERIC		P 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972	2.0000E+01		2.1700E+03		2.8000E+02	
1973	2.6100E+02		1.4280E+03		3.4400E+02	
1974	2.6000E+01		3.0900E+02		3.0300E+02	
1975	7.2000E+01		2.7300E+02		8.2700E+02	
1976	1.9100E+02		1.1500E+02		1.1600E+02	
1977	2.2300E+02		6.4000E+01		3.1500E+02	
1978	1.8500E+02		1.4800E+02		2.2200E+02	
1979	3.2800E+02		1.1400E+02		1.0660E+03	
1980	1.7000E+03		1.6800E+02		9.2300E+02	
1981	1.8700E+02		4.2700E+02		2.5590E+02	
1982	1.3200E+02		3.0000E+02		2.3500E+02	
1983	1.4900E+02		2.0200E+02		4.6000E+02	
1984	3.6000E+01		7.7000E+01		4.8600E+02	
1985	1.2000E+01		5.1500E+02		5.2000E+02	
TOTAL	3.5330E+03		6.3100E+03		6.3520E+03	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

KR-88

*** CURIES ***

	C 105 ATMOSPHERIC		K 105 ATMOSPHERIC		L 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	2.0000E+01		2.0000E+01		2.0000E+01	
1956	4.0000E+01		4.0000E+01		4.0000E+01	
1957	1.2000E+02		1.2000E+02		1.2000E+02	
1958	3.4000E+02		3.4000E+02		3.4000E+02	
1959	6.4000E+02		6.4000E+02		6.4000E+02	
1960	9.6000E+02		9.6000E+02		9.6000E+02	
1961	4.6000E+02		4.6000E+02		4.6000E+02	
1962	3.4000E+02		3.4000E+02		3.4000E+02	
1963	1.2600E+03		1.2600E+03		1.2600E+03	
1964	1.0000E+02		1.0000E+02		1.0000E+02	
1965	3.0000E+02		3.0000E+02		3.0000E+02	
1966	3.7500E+02		3.7500E+02		3.7500E+02	
1967	5.1000E+03		5.1000E+03		5.1000E+03	
1968	2.0250E+03		2.0250E+03		2.0250E+03	
1969	1.1600E+03		1.1700E+03			
1970	5.3300E+02		5.3300E+02			
1971	3.6000E+02		2.7000E+02			
1972	5.8000E+02		2.7700E+03			
1973	1.5330E+03		3.7560E+03			
1974	4.0500E+02		9.4700E+02			
1975	1.5800E+02		4.4500E+02			
1976	2.3100E+02		1.4800E+02			
1977	3.2600E+02		7.2000E+01			
1978	3.0500E+02		1.8900E+02			
1979	5.7700E+02		1.5300E+02			
1980	2.3870E+03		2.6300E+02			
1981	4.0600E+02		6.0700E+02			
1982	3.0500E+02		5.0500E+02			
1983	3.0300E+02		3.5000E+02			
1984	1.0300E+02		8.6000E+01			
1985	4.2000E+01		3.5400E+02			
TOTAL	2.1794E+04		2.4698E+04		1.2080E+04	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

KR-88

*** CURIES ***

	P 105 ATMOSPHERIC		R 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954	2.0000E+01		2.0000E+01	
1955	2.0000E+01		2.0000E+01	
1956	4.0000E+01		4.0000E+01	
1957	1.2000E+02		1.2000E+02	
1958	3.4000E+02		3.4000E+02	
1959	6.4000E+02		6.4000E+02	
1960	9.6000E+02		9.6000E+02	
1961	4.6000E+02		4.6000E+02	
1962	3.4000E+02		3.4000E+02	
1963	1.2600E+03		1.2600E+03	
1964	1.0000E+02		1.0000E+02	
1965	3.0000E+02			
1966	3.7500E+02			
1967	5.1000E+03			
1968	2.0250E+03			
1969	1.1700E+03			
1970	5.3400E+02			
1971	1.1000E+03			
1972	8.6000E+02			
1973	2.0930E+03			
1974	5.6000E+01			
1975	2.5500E+02			
1976	1.2980E+02			
1977	2.7300E+02			
1978	3.4550E+02			
1979	1.5230E+03			
1980	1.3280E+03			
1981	4.6300E+02			
1982	3.8600E+02			
1983	6.3200E+02			
1984	7.3400E+02			
1985	8.8200E+02			
TOTAL	2.4864E+04		4.3000E+03	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
SR-89

*** CURIES ***

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		F 47G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961	1.3100E+00	1.1533E-01				
1962		8.9385E-04				
1963	3.2000E-01	2.8179E-02			1.5200E+00	1.3382E-01
1964	6.9000E-01	6.0964E-02			7.1000E-01	6.3543E-02
1965	7.9000E-01	7.0022E-02			5.1000E-01	4.5391E-02
1966	9.6000E-01	8.5058E-02			4.5000E-01	3.9968E-02
1967	1.9400E+00	1.7145E-01			4.0000E-01	3.5525E-02
1968	2.1200E+00	1.8797E-01			2.7000E-01	2.4045E-02
1969	7.7000E-01	6.9245E-02	3.0000E-02	2.6411E-03	1.9000E-01	1.6913E-02
1970	2.5900E+00	2.2855E-01		2.0470E-05	1.6000E-01	1.4217E-02
1971	1.2400E+00	1.1094E-01		1.5865E-07	3.3300E-01	2.9420E-02
1972	8.0000E-02	7.9028E-03			2.0000E-02	1.9888E-03
1973	7.6000E-02	6.7520E-03			9.0000E-02	7.9387E-03
1974	1.4200E-01	1.2554E-02			3.0000E-02	2.7026E-03
1975	7.0000E-03	7.1353E-04			4.7000E-02	4.1587E-03
1976	1.0000E-03	9.3567E-05			1.8000E-02	1.6169E-03
1977	1.8990E-03	9.7478E-05			3.0000E-03	2.7664E-04
1978		7.5550E-07			5.0000E-03	4.4233E-04
1979			1.5600E-04	1.3734E-05	9.0000E-03	7.9574E-04
1980				1.0644E-07	3.0000E-03	2.7028E-04
1981					8.0000E-03	7.0639E-04
1982			1.1650E-04	1.0256E-05	1.9000E-02	1.6782E-03
1983			5.5200E-04	4.8676E-05	6.0000E-03	5.4123E-04
1984			1.4900E-04	1.3495E-05	1.5000E-02	1.3247E-03
1985			3.6000E-05	3.2739E-06	1.1000E-02	9.7867E-04
TOTAL	1.3037E+01		3.1009E-02		4.8270E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
SR-89

*** CURIES ***

	H 480 LIQUID TO SEEPAGE BASINS		K LIQUID TO STREAMS		K 904-88G LIQUID TO CONTAINMENT BASIN	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961			6.3600E+00	5.5991E-01		
1962			1.9000E+00	1.7161E-01		
1963	4.1780E+00	3.6711E-01	9.7000E-01	8.6726E-02		
1964	6.0000E-01	5.5667E-02	7.0000E-01	6.2298E-02		
1965	7.3000E-01	6.4698E-02	3.4700E+00	3.0597E-01		
1966	2.1000E-01	1.8989E-02	5.3000E-01	4.9031E-02		
1967	5.3000E-01	2.9199E-02	4.7100E+00	4.1503E-01		
1968	1.9000E-01	1.6953E-02	2.3880E+01	2.1055E+00		
1969	2.9800E-01	2.5682E-02	1.3100E+00	1.3165E-01	4.5610E+01	4.0194E+00
1970	2.3000E-01	2.0447E-02	9.7000E-01	8.6416E-02	3.8440E+01	3.4153E+00
1971	2.6600E+00	2.3434E-01	2.8000E-01	2.5320E-02	4.8000E-01	6.8728E-02
1972	2.0300E+00	1.8053E-01	2.4000E-01	2.1325E-02	2.8000E-01	2.5183E-02
1973	1.7500E+00	1.5546E-01	3.8000E-02	3.5107E-03	2.0000E-02	1.9559E-03
1974	2.6000E-01	2.4095E-02		2.7209E-05	1.6000E-02	1.4217E-03
1975	3.5000E-01	3.1000E-02	6.0000E-03	5.2843E-04	1.0000E-03	9.9072E-05
1976	1.4200E-01	1.4502E-02		4.8954E-04	1.5000E-02	1.1452E-03
1977	3.8000E-02	5.2185E-03	2.2500E-01	1.9808E-02	5.4200E-04	5.8353E-05
1978	3.4600E-01	3.8501E-02		1.5352E-04	3.2020E-04	2.8642E-05
1979	7.4000E-02	6.7511E-03		1.1899E-06		2.2199E-07
1980	4.2000E-02	3.7499E-03				
1981	1.1300E-01	9.9772E-03				
1982	4.5000E-02	4.0390E-03				
1983	8.4000E-02	7.0743E-03			1.0130E-05	8.9181E-07
1984		5.4829E-05			2.1400E-04	1.8847E-05
1985		4.2495E-07			1.3900E-04	1.2383E-05
TOTAL	1.4720E+01		4.5589E+01		8.4861E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
SR-89

M M M CURIES M M M

	L LIQUID TO STREAMS		L 640 LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961	2.8000E+00	2.4650E-01				
1962	2.1100E+01	1.8595E+00				
1963	6.2900E+00	5.6816E-01				
1964	5.7940E+01	5.1053E+00				
1965	2.6200E+00	2.7022E-01				
1966	4.0300E+00	3.5688E-01				
1967	4.3700E+00	3.8749E-01				
1968	6.6000E-01	6.1108E-02				
1969	2.3000E-01	2.0722E-02			1.0000E-03	8.8037E-05
1970	6.0000E-02	5.4428E-03			1.0000E-03	8.8719E-05
1971		4.2184E-05				6.8762E-07
1972		3.2695E-07				
1973						
1974						
1975					2.0000E-03	1.7607E-04
1976						1.3647E-06
1977						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985						
TOTAL	1.0010E+02		3.0000E-06	2.6411E-07	4.0000E-03	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
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M M M CURIES M M M

	P LIQUID TO STREAMS		P 610 LIQUID TO SEEPAGE BASINS		R LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961	5.0000E-02	4.4018E-03			8.5000E-01	7.4831E-02
1962	1.0000E+01	8.8745E-01			1.2000E+00	1.0622E-01
1963	4.1900E+00	3.7575E-01			2.1940E+01	1.9324E+00
1964	8.2000E-01	7.5102E-02			1.8400E+00	1.7696E-01
1965		5.8208E-04				1.3716E-03
1966	5.7000E-01	5.0186E-02				1.0630E-05
1967	1.9800E+00	1.7470E-01				
1968	2.3800E+00	2.1088E-01				
1969	6.5140E+00	5.7511E-01				
1970	4.7000E+00	4.1823E-01				
1971	3.8050E-01	3.6740E-02				
1972	1.3000E-01	1.1730E-02				
1973	4.3000E-02	3.8765E-03				
1974	4.0000E-03	3.8219E-04				
1975	1.0000E-03	9.0999E-05				
1976	3.0000E-03	2.6482E-04				
1977	1.6370E-03	1.4617E-04				
1978		1.1329E-06				
1979						
1980						
1981						
1982			3.3230E-03	2.9255E-04		
1983			7.1190E-04	6.4941E-05		
1984			1.0810E-03	9.5671E-05		
1985			2.5760E-03	2.2752E-04		
TOTAL	3.1847E+01		7.6919E-03		2.5830E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
SR-90

M M M CURIES M M M

	C LIQUID TO STREAMS		C 66G LIQUID TO SEEPAGE BASINS		F 281 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	1.6900E-02	1.4693E-02				
1956	1.5600E-02	3.1694E-02				
1957	2.8600E-02	5.9170E-02				
1958	5.3300E-02	1.1037E-01				
1959	6.0060E-01	7.0091E-01	1.9110E-01	1.8875E-01		
1960	3.1200E+00	3.7655E+00	8.2550E-02	2.6569E-01		
1961	6.3000E-01	4.2959E+00	2.6000E-02	2.8488E-01		
1962	5.4000E-01	4.7245E+00	5.0700E-03	2.8294E-01		
1963	8.2000E-01	5.4191E+00	6.3700E-02	3.3896E-01		
1964	3.5000E-01	5.6326E+00	2.0000E-02	3.5044E-01		
1965	2.8000E-01	5.7718E+00	8.0000E-03	3.4979E-01		
1966	2.9000E-01	5.9174E+00	2.0000E-02	3.6101E-01		
1967	5.6000E-01	6.3261E+00	2.0000E-03	3.5418E-01		
1968	8.7000E-01	7.0311E+00	3.0000E-02	3.7517E-01		
1969	8.0000E-01	7.6498E+00		3.6602E-01		
1970	1.5200E+00	8.9645E+00		3.5709E-01	1.8000E-02	1.7779E-02
1971	7.8000E-01	9.5162E+00		3.4838E-01	7.6000E-02	9.2412E-02
1972	4.0000E-02	9.3235E+00		3.3988E-01	1.0000E-02	1.0003E-01
1973	5.0000E-03	9.1010E+00		3.3159E-01	1.7870E-02	1.1524E-01
1974	7.9000E-02	8.9570E+00		3.2350E-01	8.8400E-03	1.2111E-01
1975		8.7385E+00		3.1560E-01	5.1500E-03	1.2330E-01
1976	1.0000E-03	8.5262E+00		3.0790E-01	5.5200E-03	1.2574E-01
1977	1.2310E-03	8.3194E+00		3.0039E-01	3.9500E-03	1.2657E-01
1978	1.8410E-05	8.1165E+00		2.9306E-01	4.9600E-03	1.2838E-01
1979		7.9185E+00	8.7000E-04	2.8677E-01	2.9400E-03	1.2816E-01
1980		7.7253E+00		2.7977E-01	6.1700E-03	1.3112E-01
1981	1.6000E-05	7.5368E+00		2.7295E-01	3.9210E-02	1.6665E-01
1982		7.3529E+00	4.1600E-04	2.6670E-01	2.1610E-02	1.8393E-01
1983		7.1735E+00	2.4580E-03	2.6262E-01	5.7600E-03	1.8513E-01
1984		6.9985E+00	2.1100E-04	2.5642E-01	1.1760E-02	1.9223E-01
1985		6.8278E+00	5.3000E-05	2.5022E-01	1.3890E-02	2.0126E-01
TOTAL	1.1401E+01		4.5243E-01		2.5163E-01	

ISOTOPE
SR-90

M M M CURIES M M M

	F 47G LIQUID TO SEEPAGE BASINS		F - MEASURED MIGRATION FROM SEEPAGE BASINS TO STREAMS		H 281 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	2.1000E-01	2.0742E-01				
1956	6.8400E+00	6.9584E+00				
1957	5.8900E+00	1.2606E+01				
1958	2.6000E+00	1.4867E+01				
1959	2.3000E+00	1.6776E+01				
1960	4.4000E+00	2.0713E+01				
1961	1.9300E+00	2.2114E+01				
1962	2.5800E+00	2.4122E+01				
1963	3.0600E+00	2.6556E+01				
1964	1.6600E+00	2.7578E+01				
1965	1.8600E+00	2.8742E+01				
1966	1.8600E-01	2.8989E+01				
1967	7.3000E-01	2.9003E+01				
1968	1.0300E+00	2.9312E+01	3.9300E-01	3.8818E-01		
1969	9.9000E-01	2.9575E+01	4.4000E-01	8.1331E-01		
1970	1.9900E+00	3.0819E+01	4.4500E-01	1.2330E+00	3.8000E-02	3.7534E-02
1971	8.1000E-01	3.0867E+01	1.5920E+00	2.7754E+00	2.6000E-02	6.2299E-02
1972	4.4000E-01	3.0549E+01	1.1250E+00	3.8189E+00	3.4000E-02	9.4361E-02
1973	9.0000E-02	2.9892E+01	1.6060E+00	5.3120E+00	3.1110E-02	1.2279E-01
1974	6.0000E-02	2.9222E+01	1.1980E+00	6.3657E+00	1.3410E-02	1.3304E-01
1975	1.1500E-01	2.8623E+01	1.0600E+00	7.2573E+00	7.5400E-03	1.3724E-01
1976	2.2000E-02	2.7946E+01	8.9000E-01	7.9594E+00	8.1700E-03	1.4196E-01
1977	4.5000E-02	2.7329E+01	6.3000E-01	8.4072E+00	7.5900E-03	1.4580E-01
1978	5.2000E-02	2.6713E+01	4.5000E-01	8.6466E+00	1.0770E-02	1.5288E-01
1979	6.0000E-02	2.6121E+01	4.4000E-01	8.8702E+00	7.9400E-03	1.5699E-01
1980	3.2000E-02	2.5515E+01	3.8000E-01	9.0291E+00	2.3000E-03	1.5543E-01
1981	2.5800E-01	2.5147E+01	2.4790E-01	9.0537E+00	1.1500E-03	1.5275E-01
1982	8.1000E-02	2.4614E+01	2.1000E-01	9.0402E+00	3.7500E-03	1.5275E-01
1983	2.3000E-02	2.4033E+01	2.4370E-01	9.0604E+00	4.1500E-03	1.5312E-01
1984	5.8000E-02	2.3507E+01	2.0000E-01	9.0369E+00	9.0200E-04	1.5028E-01
1985	1.0500E-01	2.3037E+01	1.1000E-01	8.9250E+00	2.3140E-03	1.4890E-01
TOTAL	4.1331E+01		1.1681E+01		1.9890E-01	

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	H 480 LIQUID TO SEEPAGE BASINS		H - MEASURED MIGRATION FROM SEEPAGE BASINS TO STREAMS		K LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	4.6000E-01	4.5435E-01			1.4300E-02	1.4124E-02
1956	3.2000E+00	3.4040E+00			3.1200E-02	4.4597E-02
1957	3.9100E+00	7.3781E+00			8.4500E-02	1.2697E-01
1958	4.2000E-01	7.6129E+00			4.0030E-02	1.6341E-01
1959	4.0000E-01	7.8223E+00			2.4960E-01	4.0596E-01
1960	5.0000E-01	8.1253E+00			2.4500E+00	3.0135E+00
1961	5.5800E+00	1.1463E+01			6.7000E-01	3.6018E+00
1962	1.2400E+00	1.2408E+01			1.2200E+00	4.7189E+00
1963	6.9300E+00	1.8950E+01			1.1900E+00	5.7792E+00
1964	9.8000E-01	1.9456E+01			7.0000E-01	6.3296E+00
1965	4.7000E+00	2.3624E+01			6.9000E-01	6.8567E+00
1966	7.9000E-01	2.3828E+01			5.4000E-01	7.2228E+00
1967	1.1600E+00	2.4392E+01			1.0100E+00	8.0442E+00
1968	1.3800E+00	2.5160E+01	4.7000E-02	4.6423E-02	1.3800E+00	9.1320E+00
1969	2.2900E+00	2.6808E+01	2.7000E-02	7.1959E-02	4.2000E-01	9.3240E+00
1970	6.7000E-01	2.6816E+01	3.7000E-02	1.0675E-01	1.5000E-01	9.2447E+00
1971	9.1000E-01	2.7040E+01	9.2000E-02	1.9502E-01	1.1000E-01	9.1278E+00
1972	5.2000E-01	2.6914E+01	3.9000E-02	2.2878E-01	9.8000E-02	8.9940E+00
1973	7.3000E-01	2.6978E+01		2.2320E-01	3.0000E-03	8.7775E+00
1974	2.4000E-01	2.6557E+01	1.0000E-02	2.2763E-01		8.5634E+00
1975	6.7600E-01	2.6577E+01	1.0000E-02	2.3195E-01	1.0600E-01	8.4591E+00
1976	4.2900E-01	2.6352E+01	2.0000E-02	2.4605E-01		8.2528E+00
1977	4.5200E-01	2.6156E+01	1.0000E-02	2.4992E-01	2.5040E-02	8.0762E+00
1978	1.9940E+00	2.7487E+01	2.1000E-02	2.6457E-01	1.0620E-04	7.8791E+00
1979	2.6120E+00	2.9396E+01	3.0000E-02	2.8774E-01		7.6869E+00
1980	1.1300E-01	2.8791E+01	1.0000E-02	2.9060E-01	1.4100E-03	7.5007E+00
1981	7.3300E-01	2.8812E+01	4.7200E-02	3.3013E-01		7.3177E+00
1982	5.9000E-01	2.8692E+01	7.4000E-02	3.9517E-01		7.1392E+00
1983	1.9900E-01	2.8188E+01	5.1810E-02	4.3670E-01		6.9650E+00
1984	2.2000E-02	2.7522E+01	1.2000E-01	5.4457E-01		6.7951E+00
1985	4.8000E-02	2.6898E+01	5.0100E-02	5.8077E-01		6.6293E+00
TOTAL	4.2878E+01		6.9611E-01		1.1295E+01	

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*** CURIES ***

	K 45G LIQUID TO SEEPAGE BASINS		K 904-88G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956					3.6400E-02	3.5953E-02
1957					6.5000E-02	9.9278E-02
1958					1.5470E-01	2.4466E-01
1959	2.4000E-02	2.5681E-02			1.3780E-01	3.7967E-01
1960	4.0300E-03	2.9035E-02			3.4580E-01	7.1197E-01
1961		2.8326E-02			8.7400E+00	9.3273E+00
1962		2.7635E-02			9.0080E-01	9.9887E+00
1963		2.6961E-02			8.8000E-01	1.0614E+01
1964		2.6383E-02			1.2980E+00	1.1629E+01
1965	1.2000E-01	1.4619E-01			3.6380E+00	1.4338E+01
1966		1.4067E-01			1.7380E+00	1.5697E+01
1967		1.3724E-01			1.8200E+00	1.7112E+01
1968		1.3589E-01	1.2780E+00	1.2544E+00	1.5200E+00	1.8196E+01
1969		1.3062E-01	3.6100E+00	4.7895E+00	6.9800E-01	1.8434E+01
1970		1.2744E-01	1.6380E+00	6.2826E+00	5.9800E-01	1.8567E+01
1971		1.2433E-01	1.5000E-01	6.2775E+00	7.0600E-02	1.8183E+01
1972		1.2129E-01	3.0000E-02	6.1540E+00		1.7739E+01
1973		1.1834E-01	5.0000E-03	6.0088E+00		1.7306E+01
1974		1.1545E-01	1.0000E-03	5.8632E+00		1.6884E+01
1975		1.1263E-01		5.7201E+00		1.6472E+01
1976		1.0988E-01	7.0000E-03	5.5875E+00		1.6070E+01
1977		1.0720E-01	2.1700E-04	5.4514E+00		1.5678E+01
1978		1.0459E-01	1.9520E-04	5.3186E+00		1.5296E+01
1979		1.0204E-01	1.7000E-04	5.1890E+00		1.4922E+01
1980		9.9546E-02		5.0624E+00		1.4558E+01
1981		9.7117E-02		4.9389E+00		1.4203E+01
1982		9.4748E-02	9.3600E-04	4.8193E+00	1.2360E-02	1.3869E+01
1983		9.2436E-02	1.0130E-05	4.7017E+00	2.1300E-04	1.3531E+01
1984		9.0181E-02	8.2000E-05	4.5871E+00	4.2800E-05	1.3201E+01
1985		8.7981E-02	4.3700E-04	4.4756E+00	1.0000E-06	1.2879E+01
TOTAL	1.5003E-01		6.7051E+00		2.2012E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	L 640 LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954					3.6400E-02	3.5933E-02
1955					8.4500E-02	1.1854E-01
1956					2.4440E-01	3.5705E-01
1957					1.1370E-01	4.6262E-01
1958	4.0300E-02	3.9805E-02			1.5600E-01	6.0541E-01
1959	5.2000E-03	4.3970E-02			1.1200E+00	1.6969E+00
1960	7.1500E-03	4.9960E-02			9.1000E-01	2.5543E+00
1961	2.6000E-03	4.8767E-02	3.4190E-02	3.3770E-02	2.0700E+00	4.5366E+00
1962	3.9000E-03	4.7615E-02	2.7430E-02	6.0040E-02	1.2200E+00	5.6309E+00
1963	1.8590E-01	2.3007E-01	2.0020E-01	2.5632E-01	2.0900E+00	7.5579E+00
1964	1.2400E+00	1.4492E+00	4.0000E-02	2.8957E-01	2.2700E+00	9.6157E+00
1965	1.0000E-03	1.4149E+00	4.0000E-02	3.2202E-01	1.6700E+00	1.1031E+01
1966		1.3803E+00	2.0000E-02	3.3392E-01	1.4900E+00	1.2233E+01
1967	2.2000E-01	1.5440E+00	6.0000E-03	3.3169E-01	2.3400E+00	1.4246E+01
1968	9.0000E-02	1.6147E+00	1.0000E-03	3.2459E-01	1.5200E+00	1.5400E+01
1969		1.5753E+00		3.1667E-01	1.1600E+00	1.6170E+01
1970		1.5369E+00		3.0894E-01	2.6000E-01	1.6032E+01
1971		1.4994E+00	3.0000E-04	3.0170E-01	9.0000E-02	1.5750E+01
1972		1.4628E+00		2.9434E-01	7.0000E-03	1.5353E+01
1973		1.4271E+00		2.8716E-01	2.4000E-02	1.5002E+01
1974		1.3923E+00		2.8016E-01		1.4636E+01
1975		1.3583E+00	1.0000E-03	2.7431E-01		1.4279E+01
1976		1.3252E+00		2.6762E-01	1.5000E-05	1.3931E+01
1977		1.2929E+00	2.4000E-04	2.6132E-01		1.3591E+01
1978		1.2613E+00	1.5210E-05	2.5496E-01		1.3259E+01
1979		1.2305E+00	1.3000E-05	2.4876E-01		1.2936E+01
1980		1.2005E+00		2.4269E-01		1.2620E+01
1981		1.1712E+00		2.3677E-01		1.2312E+01
1982		1.1426E+00		2.3099E-01		1.2012E+01
1983		1.1148E+00		2.2535E-01		1.1719E+01
1984		1.0876E+00		2.1986E-01		1.1433E+01
1985		1.0610E+00		2.1449E-01		
TOTAL	1.7896E+00		3.7039E-01		1.8878E+01	

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M M M CURIES M M M

	P 610 LIQUID TO SEEPAGE BASINS		R LIQUID TO STREAMS		R 600 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954			3.9000E-02	3.8521E-02		
1955			4.1600E-02	7.8671E-02		
1956			1.9760E-01	2.7193E-01		
1957			1.0410E+01	1.0548E+01	1.7500E+02	1.7285E+02
1958	4.1600E-02	4.1089E-02	3.5100E-01	1.0637E+01	1.2000E+01	1.8049E+02
1959	1.3000E-03	4.1371E-02	1.8880E+00	1.0741E+01	1.3000E+01	1.8892E+02
1960	4.2000E+00	4.1888E+00	3.6790E-01	1.0741E+01		1.8432E+02
1961	2.0040E-01	4.2846E+00	2.7900E+00	1.3234E+01		1.7982E+02
1962	4.3030E-02	4.2225E+00	1.1300E+00	1.4028E+01		1.7543E+02
1963	1.9370E-02	4.1386E+00	1.8500E+00	1.5513E+01	1.0400E-03	1.7115E+02
1964	3.9000E-02	4.0742E+00	9.9900E+00	2.1051E+01	1.3000E-03	1.6751E+02
1965	3.0000E-02	4.0064E+00	3.4000E+00	2.3895E+01	5.4000E-01	1.6342E+02
1966	3.0000E-03	3.9116E+00		2.3312E+01		1.5944E+02
1967		3.8161E+00		2.2744E+01		1.5535E+02
1968		3.7230E+00		2.2189E+01		1.5175E+02
1969	1.6000E-01	3.7902E+00		2.1647E+01		1.4805E+02
1970		3.6978E+00		2.1119E+01		1.4444E+02
1971		3.6076E+00		2.0604E+01		1.4091E+02
1972		3.5195E+00		2.0101E+01		1.3748E+02
1973		3.4337E+00		1.9611E+01		1.3412E+01
1974		3.3499E+00		1.9132E+01		1.3085E+02
1975		3.2682E+00		1.8666E+01		1.2766E+02
1976		3.1884E+00		1.8210E+01		1.2454E+02
1977		3.1106E+00		1.7766E+01		1.2150E+02
1978		3.0348E+00		1.7332E+01		1.1854E+02
1979		2.9607E+00		1.6910E+01		1.1565E+02
1980		2.8885E+00		1.6497E+01		1.1283E+02
1981	6.3000E-05	2.8180E+00		1.6095E+01		1.1007E+02
1982		2.7493E+00		1.5702E+01		1.0739E+02
1983	1.1150E-04	2.6822E+00		1.5319E+01		1.0477E+02
1984	1.4420E-03	2.6169E+00		1.4945E+01		1.0221E+02
1985	1.0600E-04	2.5545E+00		1.4580E+01		9.9718E+01
TOTAL	4.7394E+00	2.4923E+00	2.6567E+01	1.4225E+01	2.8054E+02	

SRP RADIOACTIVE RELEASES, 1954-1985

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MM CURIES MM

CENTRAL SHOPS (FORD BUILDING)
LIQUID TO SEEPAGE BASINS

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973		
1974		
1975		
1976		
1977		
1978		
1979		
1980		
1981		
1982	0.0000E-05	3.9589E-05
1983	3.4000E-05	7.2128E-05
1984		7.0368E-05
1985		6.8651E-05
TOTAL	7.4000E-05	

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MM CURIES MM

A 776
LIQUID TO SEEPAGE BASINS

D 488
LIQUID TO STREAMS

F 291
ATMOSPHERIC

	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954					1.3300E-01	1.3137E-01
1955					3.1800E-02	1.5957E-01
1956					8.1200E-03	1.6370E-01
1957					6.8000E-03	1.6642E-01
1958					2.6100E-01	4.2016E-01
1959					4.7000E-02	4.5633E-01
1960					2.7000E-02	4.7187E-01
1961					1.2000E-02	4.7221E-01
1962					1.9000E-02	4.7945E-01
1963					2.6000E-02	4.9344E-01
1964					1.1700E-02	4.9295E-01
1965	4.6300E-02	4.3732E-02			6.6000E-03	4.8745E-01
1966	7.1000E-03	5.1629E-02			5.5000E-03	4.8099E-01
1967	1.8100E-02	6.8247E-02			4.3000E-03	4.7547E-01
1968	1.0700E-02	7.7131E-02	2.0000E-02	1.9755E-02	7.0000E-03	4.7079E-01
1969	6.8000E-03	8.1985E-02	1.0000E-02	2.9150E-02	1.3600E-02	4.7273E-01
1970	8.4300E-03	8.8311E-02	8.0000E-03	3.4340E-02	9.8600E-03	4.7094E-01
1971	1.3500E-03	8.7490E-02	1.6000E-02	5.1257E-02	4.0700E-03	4.6347E-01
1972	4.6000E-04	8.5818E-02		5.0007E-02	3.2800E-03	4.5540E-01
1973	1.1100E-02	9.4680E-02	6.2000E-04	4.9399E-02	8.1800E-03	4.5237E-01
1974	7.8000E-04	9.3140E-02	3.8000E-04	4.8569E-02	2.6940E-03	4.4400E-01
1975	6.8000E-04	9.1539E-02	4.9300E-04	4.7871E-02	2.4790E-03	4.3561E-01
1976	2.6200E-04	8.9565E-02	2.7650E-03	4.9434E-02	1.9790E-03	4.2694E-01
1977	6.6000E-05	8.7445E-02	1.4900E-04	4.8376E-02	2.9680E-03	4.1947E-01
1978	2.2440E-04	8.5533E-02	1.8000E-04	4.7373E-02	2.3020E-03	4.1151E-01
1979	8.6000E-05	8.3531E-02	8.9000E-05	4.6305E-02	2.3770E-03	4.0382E-01
1980	9.3000E-05	8.1585E-02	9.9000E-05	4.5273E-02	1.9270E-03	3.9552E-01
1981	1.2600E-04	7.9719E-02		4.4169E-02	2.4100E-03	3.8778E-01
1982		7.7774E-02		4.3091E-02	3.3210E-03	3.7469E-01
1983		7.5876E-02		4.2040E-02	1.6050E-03	3.6713E-01
1984		7.4025E-02		4.1014E-02		
1985		7.2219E-02		4.0013E-02		
TOTAL	1.1264E-01		5.8775E-02		6.7346E-01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

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M M M CURIES M M M

	H 291 ATMOSPHERIC		CENTRAL SHOPS (FORD BUILDING) LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954				
1955	2.9280E-01	2.8921E-01		
1956	2.5000E-02	3.0684E-01		
1957	1.3080E-02	3.1228E-01		
1958	1.6800E-02	3.2125E-01		
1959	5.3000E-02	3.6576E-01		
1960	6.0000E-03	3.6277E-01		
1961	1.4000E-02	3.6774E-01		
1962	2.1000E-02	3.7951E-01		
1963	1.6400E-02	3.8645E-01		
1964	1.3500E-02	3.9036E-01		
1965	7.8000E-03	3.8854E-01		
1966	1.4600E-02	3.9348E-01		
1967	8.6000E-03	3.9238E-01		
1968	2.7700E-02	4.1016E-01		
1969	1.0840E-01	5.0722E-01		
1970	4.2400E-02	5.1673E-01		
1971	2.6340E-02	5.4963E-01		
1972	1.2970E-01	6.6435E-01		
1973	1.0760E-02	6.5877E-01		
1974	2.9300E-03	6.4559E-01		
1975	2.3320E-03	6.3214E-01		
1976	2.1240E-03	6.1882E-01		
1977	2.1560E-03	6.0585E-01		
1978	8.4400E-04	5.9190E-01		
1979	1.5900E-04	5.7762E-01	4.0000E-06	3.7509E-06
1980	2.0200E-04	5.6373E-01		3.8545E-06
1981	1.3850E-03	5.5134E-01		3.7605E-06
1982	3.2900E-04	5.3821E-01		3.6687E-06
1983	3.1700E-04	5.2540E-01		3.5792E-06
1984	1.9900E-04	5.1277E-01		3.4919E-06
1985	1.6700E-04	5.0043E-01		3.4067E-06
TOTAL	8.6102E-01		4.0000E-06	

ISOTOPE

Y-91

M M M CURIES M M M

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		D 400 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965	5.0200E+00	5.8475E-01				
1966	1.8600E+00	2.2459E-01				
1967	2.2800E+00	2.6863E-01				
1968	7.6200E+00	8.9123E-01				
1969	1.4700E+00	1.8332E-01				
1970	3.5200E+00	4.1251E-01				
1971	2.0300E+00	2.4206E-01				
1972	6.0000E-02	1.2603E-02				
1973	6.6000E-02	5.5293E-03				
1974	6.8000E-02	7.9960E-03			2.6400E-03	3.0752E-04
1975	5.0000E-03	6.9091E-04				4.1726E-06
1976	4.0000E-02	4.6687E-03				
1977	2.5940E-03	3.6551E-04				
1978	1.1130E-03	1.3461E-04	3.1630E-04	3.6844E-05		
1979		1.8244E-06	1.7900E-03	2.0901E-04		
1980			2.9003E-04	3.6616E-05		
1981			2.9800E-04	3.5209E-05		
1982			2.6950E-03	3.1440E-04		
1983				4.2660E-06		
1984			4.2490E-03	4.9500E-04		
1985				6.7164E-06		
TOTAL	2.4043E+01		9.6383E-03		2.6400E-03	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

Y-91

M M M CURIES M M M

	K LIQUID TO STREAMS		K 904-88G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965	5.8200E+00	6.7794E-01			1.3070E+01	1.5224E+00
1966	1.2900E+00	1.5946E-01			1.0420E+01	1.2344E+00
1967	3.7400E+00	4.3781E-01			6.1300E+00	7.3080E-01
1968	1.2640E+01	1.4783E+00			3.5300E+00	4.2111E-01
1969	1.3800E+00	1.8081E-01				5.7138E-03
1970	1.2000E+00	1.4223E-01			6.4000E-01	7.4627E-02
1971	1.3000E-01	1.7073E-02				1.0126E-03
1972	4.0000E-02	4.8910E-03	1.3000E-01	1.5143E-02		1.3739E-05
1973	7.3000E-02	8.5697E-03	9.7000E-02	1.1504E-02		1.8642E-07
1974	1.1000E-02	1.3976E-03	1.7400E-01	2.0424E-02		
1975	1.0000E-03	1.3545E-04	2.0000E-03	5.1010E-04		
1976	7.0000E-03	8.1723E-04	5.1000E-02	5.9476E-03		
1977	7.7000E-02	8.9804E-03	1.9490E-02	2.3510E-03		
1978		1.2185E-04	1.7160E-02	2.0308E-03		
1979		1.6533E-06	4.3580E-03	5.3519E-04		
1980			5.3500E-04	6.9581E-05		
1981			2.7400E-04	3.2861E-05		
1982			2.0140E-03	2.3505E-04		
1983			2.3760E-05	5.9569E-06		
1984			5.9500E-04	6.9389E-05		
1985				9.4151E-07		
TOTAL	2.6409E+01		4.9845E-01		3.3790E+01	

ISOTOPE

Y-91

M M M CURIES M M M

	L 640 LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965					3.8300E+00	4.4613E-01
1966					3.7300E+00	4.4054E-01
1967					6.4500E+00	7.5730E-01
1968					7.1300E+00	8.4081E-01
1969					5.9100E+00	6.9983E-01
1970					4.4200E+00	5.2436E-01
1971					1.3000E-01	2.2250E-02
1972					9.0000E-02	1.0786E-02
1973					5.6000E-03	7.9866E-04
1974					4.9000E-02	5.7186E-03
1975			1.0000E-03	1.1648E-04	8.0000E-03	1.0093E-03
1976				1.5805E-06	2.8000E-02	3.2753E-03
1977					1.8930E-03	2.6494E-04
1978					2.5940E-03	3.0575E-04
1979						4.1487E-06
1980						
1981						
1982						
1983						
1984						
1985	2.1000E-05	2.4462E-06				
TOTAL	2.1000E-05		1.0000E-03		3.1785E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
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*** CURIES ***

P 61G
LIQUID TO SEEPAGE BASINS

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973		
1974		
1975		
1976		
1977		
1978	8.8510E-04	1.8310E-04
1979	2.0510E-03	2.4031E-04
1980		3.2606E-06
1981	9.4000E-05	1.8994E-05
1982	3.6330E-03	4.2334E-04
1983		5.7441E-06
1984	4.4100E-04	5.1447E-05
1985	2.2390E-03	2.6151E-04
TOTAL	9.3431E-03	

ISOTOPE
Zr-95

*** CURIES ***

F 291
ATMOSPHERIC

F 470
LIQUID TO SEEPAGE BASINS

H 291
ATMOSPHERIC

	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971	2.3760E-02	3.3974E-03	3.6200E+00	5.1761E-01	1.1140E-01	1.5929E-02
1972	1.3066E-02	1.9369E-03	4.0200E+00	5.8539E-01	1.3790E-01	2.0044E-02
1973	1.7420E-02	2.5304E-03	9.7500E+00	1.4061E+00	5.1840E-02	7.8223E-03
1974	1.7990E-02	2.6241E-03	3.4000E+00	5.1490E-01	1.5440E-02	2.3677E-03
1975	3.7020E-03	5.8299E-04	7.3300E-01	1.1534E-01	9.8010E-03	1.4498E-03
1976	7.7190E-03	1.1156E-03	5.2450E+00	7.5233E-01	6.5520E-03	9.6649E-04
1977	7.6480E-03	1.1164E-03	1.9720E+00	2.9735E-01	6.7790E-03	9.8907E-04
1978	5.3680E-03	7.9038E-04	1.5720E+00	2.3086E-01	1.9640E-03	3.0105E-04
1979	1.1860E-02	1.7120E-03	1.8340E+00	2.6696E-01	1.3160E-03	1.9433E-04
1980	1.2770E-02	1.8609E-03	3.0820E+00	4.4614E-01	7.4000E-04	1.0978E-04
1981	1.3170E-02	1.9212E-03	5.5360E+00	8.0070E-01	3.9230E-03	5.6318E-04
1982	1.2280E-02	1.7952E-03	6.1850E+00	9.0075E-01	2.1000E-03	3.1179E-04
1983	8.9840E-03	1.3213E-03	3.6310E+00	5.3760E-01	2.2080E-03	3.2289E-04
1984	7.2470E-03	1.8632E-03	6.9380E+00	1.0030E+00	6.5410E-03	9.6186E-04
1985	1.3120E-02	1.8977E-03	1.0170E+01	1.4747E+00	1.6060E-02	2.3156E-03
TOTAL	1.7610E-01		6.7688E+01		3.7456E-01	

* SEE ZR-MB-95 FOR 1960-1970 DATA

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
Zr-95

*** CURIES ***

H 480
LIQUID TO SEEPAGE BASINS

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971	6.5000E-01	9.2942E-02
1972	3.0300E+00	4.3515E-01
1973	1.6000E+00	2.3768E-01
1974	7.2000E-01	1.0781E-01
1975	2.3900E-01	3.6378E-02
1976	4.5300E-01	6.5517E-02
1977	2.3000E-01	3.4227E-02
1978	5.0100E-01	7.2336E-02
1979	5.4500E-01	7.9407E-02
1980	1.1000E-02	3.1964E-03
1981	1.0530E-01	1.5122E-02
1982	1.3370E-01	1.9427E-02
1983	1.4720E-01	2.1445E-02
1984	7.7000E-02	1.1448E-02
1985	9.1000E-02	1.3246E-02
TOTAL	8.5332E+00	

ISOTOPE
Nb-95

*** CURIES ***

F 291
ATMOSPHERIC

F 470
LIQUID TO SEEPAGE BASINS

H 291
ATMOSPHERIC

	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971	2.3330E-01	6.2797E-03	3.2900E+00	8.8557E-02	1.1250E-01	3.0282E-03
1972	3.3160E-02	8.9712E-04	3.6900E+00	9.9388E-02	1.6910E-01	4.5538E-03
1973	3.9530E-02	1.0647E-03	1.0340E+01	2.7839E-01	3.5990E-02	9.7204E-04
1974	1.0880E-01	2.9293E-03	3.5700E+00	9.4295E-02	1.3700E-02	3.6947E-04
1975	1.3680E-02	3.7035E-04	4.3300E-01	1.1725E-02	1.0530E-02	2.8370E-04
1976	2.2450E-02	6.0455E-04	3.0380E+00	8.1782E-02	4.4940E-03	1.2117E-04
1977	3.3000E-02	8.8870E-04	1.1700E+00	3.1552E-02	4.4110E-03	1.1882E-04
1978	1.6330E-02	4.4020E-04	8.7790E-01	2.3653E-02	3.3330E-03	8.9800E-05
1979	2.4830E-02	6.6867E-04	1.1800E+00	3.1779E-02	1.6370E-03	4.4128E-05
1980	1.7430E-02	4.6965E-04	1.8950E+00	5.1031E-02	4.8700E-04	1.3141E-05
1981	6.0830E-02	1.6377E-03	3.9770E+00	1.0709E-01	2.8110E-03	7.5673E-05
1982	1.3910E-02	3.7560E-04	3.8580E+00	1.0392E-01	1.9680E-03	5.3027E-05
1983	1.4690E-02	3.9568E-04	2.9850E+00	8.0422E-02	3.2980E-03	8.8810E-05
1984	1.3770E-02	3.7893E-04	4.7450E+00	1.2778E-01	5.3340E-03	1.4364E-04
1985	3.2950E-02	8.8718E-04	8.4420E+00	2.2733E-01	1.5740E-02	4.2378E-04
TOTAL	6.7866E-01		5.3491E+01		3.8533E-01	

* SEE ZR-NB-95 FOR 1940-1970 DATA

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
NB-95

*** Curies ***

H 48G
LIQUID TO SEEPAGE BASINS

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971	8.9000E-01	2.3956E-02
1972	4.9800E+00	1.3406E-01
1973	3.0100E+00	8.1117E-02
1974	1.0400E+00	2.8052E-02
1975	4.8300E-01	1.2483E-02
1976	3.6000E-01	9.6491E-03
1977	2.5700E-01	6.9247E-03
1978	5.9860E-01	1.6117E-02
1979	2.1100E-01	5.6911E-03
1980	2.6000E-02	7.0396E-04
1981	1.1840E-01	3.1875E-03
1982	2.0690E-01	5.5714E-03
1983	2.4710E-01	6.6552E-03
1984	7.7000E-02	2.0774E-03
1985	1.5300E-01	4.1198E-03
TOTAL	1.2638E+01	

ISOTOPE
ZR-NB-95

*** Curies ***

C
LIQUID TO STREAMS

C 66G
LIQUID TO SEEPAGE BASINS

D 400
LIQUID TO STREAMS

	ORIGINAL RELEASE	DECAY CORRECTED		ORIGINAL RELEASE	DECAY CORRECTED		ORIGINAL RELEASE	DECAY CORRECTED
1954								
1955								
1956								
1957								
1958								
1959								
1960	8.5000E-01	1.2154E-01						
1961	1.2700E+00	1.8408E-01						
1962	9.8000E-01	1.4389E-01						
1963	7.0000E-01	1.0303E-01						
1964	1.0600E+00	1.5367E-01		1.4000E+00	2.0018E-01			
1965	4.5000E-01	6.7486E-02		1.1800E+00	1.7282E-01			
1966	1.3800E+00	1.9870E-01		1.4200E+00	2.0658E-01			
1967	5.8200E+00	8.3625E-01		2.5100E+00	3.6312E-01	3.7600E+00	5.3763E-01	
1968	2.0400E+00	3.0879E-01		4.0000E-03	7.9961E-03			
1969	4.1000E-01	6.4938E-02			1.6348E-04			
1970	2.1600E+00	3.1018E-01		1.0000E-02	1.4332E-03	8.0000E-03	1.1483E-03	
1971	8.0080E-01	1.2085E-01			2.9303E-05	9.1000E-02	1.3035E-02	
1972	2.0000E-02	5.3305E-03			5.9910E-07	3.9000E-02	8.7028E-03	
1973	4.6000E-02	6.6864E-03				6.8470E-02	9.9683E-03	
1974	1.5200E-01	2.1871E-02					2.0380E-04	
1975	1.2000E-02	2.1630E-03					4.1669E-06	
1976	1.7000E-02	2.4750E-03						
1977	1.5100E-04	7.2193E-05						
1978	3.4670E-04	5.1050E-05						
1979		1.0437E-06						
1980				4.1560E-03	5.9426E-04			
1981				1.7100E-04	3.6401E-05			
1982				6.4290E-04	9.5533E-05			
1983				2.4260E-03	3.4884E-04			
1984				2.0730E-03	3.0354E-04			
1985				1.3510E-03	1.9652E-04			
TOTAL	1.8168E+01			6.5348E+00		3.9865E+00		

* SEE ZR-NB-95 FOR 1960-1970 DATA

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
ZR-NB-95

M M M CURIES M M M

	F 291 ATMOSPHERIC		F 470 LIQUID TO SEEPAGE BASINS		H 291 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	1.6000E-01	2.2878E-02	1.4870E+02	2.1242E+01	5.2000E-02	7.4353E-03
1961	2.5100E-01	3.6358E-02	3.0000E+01	4.7243E+00	4.8000E-02	7.0154E-03
1962	1.2220E-01	1.8216E-02	1.8730E+01	2.7747E+00	5.2000E-02	7.5788E-03
1963	1.0090E-01	1.4800E-02	2.9810E+01	4.3192E+00	4.9200E-02	7.1899E-03
1964	1.4580E-01	2.1150E-02	1.0430E+02	1.5002E+01	7.6800E-02	1.1128E-02
1965	1.4740E-01	2.1509E-02	2.4910E+01	3.6685E+00	6.8800E-02	1.0065E-02
1966	9.4600E-02	1.3964E-02	2.4190E+01	3.5380E+00	1.1100E-01	1.6077E-02
1967	1.5680E-01	2.2706E-02	1.9990E+01	2.9304E+00	5.3300E-02	7.9499E-03
1968	9.6600E-02	1.4277E-02	1.0360E+01	1.5413E+00	2.1430E-01	3.0805E-02
1969	6.0000E-02	8.8711E-03	1.2150E+01	1.7686E+00	2.2500E-01	3.2802E-02
1970	3.5000E-02	5.1859E-03	1.9380E+01	2.8073E+00	2.3900E-01	3.4845E-02
1971		1.0603E-04		5.7395E-02		7.1241E-04
1972		2.1678E-06		1.1735E-03		1.4565E-05
1973				2.3992E-05		2.9780E-07
1974				4.9052E-07		
1975						
1976						
1977						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985						
TOTAL	1.3703E+00		4.4252E+02		1.1894E+00	

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ZR-NB-95

M M M CURIES M M M

	H 480 LIQUID TO SEEPAGE BASINS		K LIQUID TO STREAMS		K 904-88G LIQUID TO CONTAINMENT BASIN	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	3.5700E+01	5.1046E+00	2.9800E+00	4.2610E-01		
1961	3.3900E+01	4.9516E+00	1.4300E+00	2.1510E-01		
1962	1.0750E+01	1.6383E+00	1.9100E+00	2.7746E-01		
1963	3.8950E+01	5.6028E+00	1.3400E+00	1.9728E-01		
1964	4.0530E+01	5.9098E+00	4.2000E-01	6.4688E-02		
1965	7.6500E+00	1.2147E+00	7.7000E-01	1.1141E-01		
1966	6.4400E+00	9.4567E-01	1.2000E-01	1.9434E-02		
1967	1.0290E+01	1.4907E+00	1.4700E+00	2.1059E-01		
1968	6.4000E+00	9.4560E-01	5.2000E+00	7.4784E-01	2.1500E+00	3.0742E-01
1969	3.2500E+00	4.8404E-01		1.5290E-02	1.5300E+00	1.9646E-01
1970	5.2400E+00	7.5915E-01		3.1241E-04	7.4200E+00	1.0650E+00
1971		1.5521E-02	4.0000E-04	6.3586E-05	3.4000E-01	7.0390E-02
1972		3.1733E-04		1.3080E-04	9.7800E-01	1.4014E-01
1973		6.4880E-06	1.6000E-02	2.2878E-03	4.7200E-01	7.0355E-02
1974		1.3265E-07		4.6775E-05	3.3700E-01	4.9625E-02
1975				9.5634E-07	3.6000E-03	1.4436E-03
1976					1.1500E-01	1.6473E-02
1977			9.3060E-02	1.3386E-02	8.9340E-02	1.3111E-02
1978				2.7205E-04	4.8390E-02	7.1872E-03
1979				5.5622E-06	5.7930E-03	9.7527E-04
1980				1.1372E-07	1.0630E-02	1.5399E-03
1981					5.0450E-03	7.5285E-04
1982					1.4100E-04	3.5554E-05
1983					5.7160E-03	8.1804E-04
1984					2.1190E-03	3.1971E-04
1985					2.9380E-02	4.2075E-03
TOTAL	1.9910E+02		1.5749E+01		1.3334E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

ZR-NB-95

M M M CURIES M M M

	L LIQUID TO STREAMS		L 640 LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	1.3700E+00	1.9589E-01				
1961	2.1100E+00	3.0571E-01				
1962	2.4200E+00	3.5228E-01				
1963	1.0500E+00	1.5734E-01				
1964	1.2860E+01	1.8420E+00	3.8000E-01	5.4335E-02	1.0090E+01	1.4427E+00
1965	4.2600E+00	6.4679E-01	1.0000E-03	1.2539E-03	5.9300E+00	8.7741E-01
1966	5.7900E+00	8.4112E-01		2.5636E-05	6.4200E+00	9.1592E-01
1967	2.2600E+00	3.4035E-01	1.0000E-03	1.4351E-04	5.1500E+00	7.5552E-01
1968	3.3000E-01	5.4144E-02	8.8000E-01	1.2583E-01	1.1400E+00	1.7845E-01
1969		1.1070E-03	3.0000E-03	3.0016E-03	5.0000E-03	4.3635E-03
1970		2.2633E-05		6.1349E-05	4.0000E-03	6.6116E-04
1971		4.6274E-07		1.2547E-06	2.0000E-03	2.9949E-04
1972					2.2000E-01	3.1463E-02
1973						6.4328E-04
1974						1.3152E-05
1975					4.0000E-03	5.7222E-04
1976						1.1699E-05
1977						2.3919E-07
1978						
1979						
1980						
1981						
1982						
1983						
1984			6.6000E-05	9.4372E-06		
1985						
TOTAL	3.2450E+01		1.2651E+00		2.8965E+01	

ISOTOPE

ZR-NB-95

M M M CURIES M M M

	P LIQUID TO STREAMS		P 610 LIQUID TO SEEPAGE BASINS		R LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	7.5000E-01	1.0724E-01			1.4800E+00	2.1162E-01
1961	6.9000E-01	1.0085E-01			1.4800E+00	2.1595E-01
1962	9.4800E+00	1.3576E+00			2.3600E+00	3.4186E-01
1963	2.5100E+00	3.8663E-01			2.6530E+01	3.8004E+00
1964	1.4700E+00	2.1810E-01	9.0000E-02	1.2869E-02	3.9100E+00	6.3678E-01
1965	6.5000E-01	9.7401E-02		2.6311E-04		1.3019E-02
1966	6.5000E-01	9.4933E-02		5.3793E-06		2.6618E-04
1967	4.4000E-01	6.4855E-02		1.0998E-07		5.4422E-06
1968	5.4000E-01	7.8539E-02				1.1127E-07
1969	3.1700E+00	4.5488E-01				
1970	6.4000E-01	1.0081E-01				
1971	6.6000E-04	2.1555E-03				
1972	2.0000E-02	2.9038E-03				
1973	6.2000E-02	8.9246E-03				
1974	8.4000E-02	1.2193E-02				
1975	2.7000E-02	4.1100E-03				
1976		8.4029E-05				
1977	6.1000E-04	8.8940E-05				
1978		1.8184E-06				
1979			1.3300E-04	1.9017E-05		
1980			3.9370E-03	5.6333E-04		
1981				1.1517E-05		
1982			1.0540E-02	1.5073E-03		
1983			1.2080E-02	1.7581E-03		
1984			1.0960E-02	1.6031E-03		
1985			9.9960E-02	1.4326E-02		
TOTAL	2.1184E+01		2.2761E-01		3.5760E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
MO-99

M M M CURIES M M M

	C LIQUID TO STREAMS		K LIQUID TO STREAMS		L LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	1.7200E+00	1.7135E+00	6.4400E+00	6.4156E+00	2.1300E+00	2.1418E+00
1961	1.2000E-01	1.8200E+00	1.8000E+00	8.1602E+00	6.5000E+00	8.6010E+00
1962	2.7000E-01	2.0752E+00	9.8000E-01	9.0747E+00	1.4400E+00	9.9704E+00
1963		2.0595E+00		9.0060E+00		9.8949E+00
1964		2.0439E+00		8.9378E+00		9.8200E+00
1965		2.0285E+00		8.8701E+00		9.7456E+00
1966		2.0131E+00		8.8030E+00		9.6719E+00
1967		1.9979E+00		8.7363E+00		9.5986E+00
1968		1.9827E+00		8.6702E+00		9.5260E+00
1969		1.9677E+00		8.6045E+00		9.4538E+00
1970		1.9528E+00		8.5394E+00		9.3823E+00
1971		1.9380E+00		8.4747E+00		9.3112E+00
1972		1.9234E+00		8.4106E+00		9.2407E+00
1973		1.9088E+00		8.3469E+00		9.1708E+00
1974		1.8944E+00		8.2837E+00		9.1013E+00
1975		1.8800E+00		8.2210E+00		9.0324E+00
1976		1.8658E+00		8.1587E+00		8.9640E+00
1977		1.8516E+00		8.0969E+00		8.8962E+00
1978		1.8376E+00		8.0356E+00		8.8288E+00
1979		1.8237E+00		7.9748E+00		8.7620E+00
1980		1.8099E+00		7.9144E+00		8.6956E+00
1981		1.7962E+00		7.8545E+00		8.6298E+00
1982		1.7826E+00		7.7950E+00		8.5644E+00
1983		1.7691E+00		7.7360E+00		8.4996E+00
1984		1.7557E+00		7.6774E+00		8.4353E+00
1985		1.7424E+00		7.6193E+00		8.3714E+00
TOTAL	2.1100E+00		9.2200E+00		1.0090E+01	

ISOTOPE
MO-99

M M M CURIES M M M

	P LIQUID TO STREAMS		R LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954				
1955				
1956				
1957				
1958				
1959				
1960				
1961	7.4000E-01	7.3719E-01	1.5000E-01	1.4943E-01
1962	4.1000E-01	1.1401E+00	1.6000E-01	3.0769E-01
1963		1.1314E+00		3.0536E-01
1964		1.1229E+00		3.0305E-01
1965		1.1144E+00		3.0076E-01
1966		1.1059E+00		2.9848E-01
1967		1.0975E+00		2.9622E-01
1968		1.0892E+00		2.9398E-01
1969		1.0810E+00		2.9175E-01
1970		1.0728E+00		2.8954E-01
1971		1.0647E+00		2.8735E-01
1972		1.0566E+00		2.8517E-01
1973		1.0486E+00		2.8302E-01
1974		1.0407E+00		2.8087E-01
1975		1.0328E+00		2.7875E-01
1976		1.0250E+00		2.7664E-01
1977		1.0172E+00		2.7454E-01
1978		1.0095E+00		2.7246E-01
1979		1.0019E+00		2.7040E-01
1980		9.9429E-01		2.6835E-01
1981		9.8676E-01		2.6632E-01
1982		9.7929E-01		2.6430E-01
1983		9.7188E-01		2.6230E-01
1984		9.6452E-01		2.6032E-01
1985		9.5721E-01		2.5835E-01
TOTAL	1.1500E+00		3.1000E-01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
RU-103

M M M CURIES M M M

	F 291 ATMOSPHERIC		F 470 LIQUID TO SEEPAGE BASINS		H 291 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969	1.0760E-01	4.4080E-03			9.5080E+00	3.8951E-01
1970		7.3977E-04				4.5370E-04
1971	1.2950E-02	5.3053E-04	1.8500E+00	7.5788E-02	2.7210E+00	1.1147E-01
1972	6.8200E-03	2.8028E-04	2.0400E+00	8.3699E-02	3.8420E+00	1.5758E-01
1973	3.6000E-03	1.4795E-04	2.1500E+00	8.8218E-02	1.8740E+00	7.7113E-02
1974	3.4400E-03	1.4117E-04	1.3800E+00	5.6682E-02	5.3800E-03	3.4982E-04
1975	7.1200E-04	2.9405E-05	8.2000E-02	3.4544E-03	1.1030E-03	4.5773E-05
1976	1.2840E-03	5.2650E-05	1.0410E+00	4.2632E-02	1.9640E-02	8.0466E-04
1977	1.5330E-03	6.2890E-05	1.1540E+00	4.7347E-02	2.3110E-02	9.4809E-04
1978	8.0070E-01	3.2802E-02	6.5510E-01	2.6917E-02	1.7430E-03	7.2996E-05
1979	1.1880E-03	1.0372E-04	7.2600E-01	2.9787E-02	3.4330E-03	1.4895E-04
1980	1.2500E-03	5.1382E-05	1.2340E+00	5.0603E-02	4.0500E-04	1.6841E-05
1981	2.7950E-03	1.1459E-04	2.0150E+00	8.2632E-02	1.0180E-02	4.1707E-04
1982	9.5170E-03	3.9007E-04	2.0770E+00	8.5226E-02	4.4390E-02	1.8397E-03
1983	2.2190E-03	9.1559E-05	3.0900E-01	1.2802E-02	1.8110E-02	7.4499E-04
1984	7.0570E-03	2.8925E-04	3.1700E-01	1.3008E-02	1.1910E-02	4.8916E-04
1985	8.9260E-03	3.6615E-04	7.6400E-01	3.1320E-02	2.1090E-03	8.7219E-05
TOTAL	9.7159E-01		1.7794E+01		1.8089E+01	

ISOTOPE
RU-103

M M M CURIES M M M

	H 480 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971	5.1700E+00	2.1180E-01
1972	4.3700E+00	1.7938E-01
1973	1.9900E+00	8.1824E-02
1974	2.1000E-01	8.7403E-03
1975	1.9800E-01	8.1260E-03
1976	8.1000E-01	3.3197E-02
1977	1.1400E-01	4.7259E-03
1978	6.4280E-01	2.6341E-02
1979	8.2200E-01	3.3719E-02
1980	2.0000E-02	8.7592E-04
1981	3.0840E-02	1.2657E-03
1982	1.9690E-01	8.8684E-03
1983	1.2220E-01	5.8194E-03
1984	6.6000E-02	2.7122E-03
1985	4.0080E-03	1.6842E-04
TOTAL	1.4767E+01	

M SEE RU-103-106 FOR DATA PRIOR TO 1969

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

RU-106

M M M CURIES M M M

M F 291 ATMOSPHERIC			F 470 LIQUID TO SEEPAGE BASINS		M H 291 ATMOSPHERIC	
ORIGINAL RELEASE	DECAY CORRECTED		ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955			4.9560E+00	3.5117E+00		
1956			9.2400E+00	8.3104E+00		
1957			2.3050E+01	2.0505E+01		
1958			1.0800E+01	1.7948E+01		
1959			4.8400E+01	4.3306E+01		
1960			1.4000E+02	1.2094E+02		
1961			3.6400E+01	8.6515E+01		
1962			8.0940E+01	1.0079E+02		
1963			7.0040E+01	1.0023E+02		
1964			2.0340E+02	1.9445E+02		
1965			8.8890E+01	1.6061E+02		
1966			6.2590E+01	1.2499E+02		
1967			4.7170E+01	9.6178E+01		
1968			4.4490E+01	7.9813E+01		
1969	1.1280E-01	7.9927E-02	1.4020E+01	5.0007E+01	4.0000E+00	2.8343E+00
1970	3.1100E-01	2.6050E-01	3.9190E+01	5.2876E+01	3.6720E-01	1.6832E+00
1971	1.0900E-01	2.0802E-01	1.1930E+01	3.5001E+01	2.8440E+00	2.8603E+00
1972	2.6700E-02	1.2336E-01	1.5910E+01	2.8847E+01	3.4400E+00	3.8736E+00
1973	3.2650E-02	8.5073E-02	2.7500E+01	3.3969E+01	1.2750E+00	2.8483E+00
1974	2.7490E-02	6.2192E-02	1.2580E+01	2.5969E+01	1.1490E-01	1.5115E+00
1975	1.0000E-02	3.8311E-02	3.9750E+00	1.5855E+01	2.6560E-02	7.7770E-01
1976	1.2800E-02	2.8305E-02	7.3720E+00	1.3184E+01	2.5110E-01	5.6839E-01
1977	1.0340E-02	2.1538E-02	6.0390E+00	1.0899E+01	1.2930E-01	3.7699E-01
1978	3.2010E+01	2.2692E+01	1.2580E+01	1.4386E+01	6.0710E-02	2.3230E-01
1979	3.1620E-02	1.1416E+01	1.1220E+01	1.5173E+01	2.2950E-02	1.3289E-01
1980	2.6910E-02	5.7506E+00	1.8450E+01	2.0691E+01	3.2930E-02	9.0056E-02
1981	2.2520E-02	2.9032E+00	1.8420E+01	2.3441E+01	5.5780E-02	8.4739E-02
1982	2.3850E-02	1.4745E+00	4.6620E+00	1.5072E+01	1.6420E-01	1.5889E-01
1983	5.8660E-03	7.4449E-01	7.7680E-01	8.1179E+00	7.5350E-02	1.3317E-01
1984	1.2900E-02	3.8293E-01	6.6300E-01	4.5456E+00	1.3510E-01	1.6259E-01
1985	1.6730E-02	2.0412E-01	2.2200E+00	3.8553E+00	2.6570E-02	1.0046E-01
TOTAL	3.2803E+01		1.0779E+03		1.3022E+01	

ISOTOPE

RU-106

M M M CURIES M M M

H 480 LIQUID TO SEEPAGE BASINS		
ORIGINAL RELEASE	DECAY CORRECTED	
1954		
1955	9.0000E+00	4.3772E+00
1956	1.4000E+01	1.3122E+01
1957	2.5800E+01	2.4869E+01
1958	1.7400E+01	2.4816E+01
1959	8.8900E+01	7.5452E+01
1960	1.7000E+01	4.9928E+01
1961	1.6800E+01	3.4972E+01
1962	3.5440E+01	4.3673E+01
1963	5.2480E+01	5.9114E+01
1964	3.0300E+01	5.1150E+01
1965	1.4590E+01	3.4619E+01
1966	3.2530E+01	4.1134E+01
1967	1.3160E+01	2.9977E+01
1968	5.3100E+01	5.2676E+01
1969	3.9130E+01	5.4174E+01
1970	1.2150E+01	3.5809E+01
1971	2.0360E+01	3.2405E+01
1972	1.2930E+01	2.5432E+01
1973	7.2200E+00	1.7885E+01
1974	1.1370E+01	1.7036E+01
1975	2.2570E+00	1.0153E+01
1976	5.7690E+00	9.1852E+00
1977	1.7250E+00	5.8340E+00
1978	6.3940E+00	7.4597E+00
1979	4.6580E+00	7.0459E+00
1980	1.3430E+00	4.4892E+00
1981	3.1270E+00	4.4696E+00
1982	1.9480E+00	3.6244E+00
1983	1.9020E+00	3.1674E+00
1984	6.1800E-01	2.0282E+00
1985	5.7420E+00	5.0869E+00
TOTAL	5.5914E+02	

M SEE RU-103-106 FOR DATA PRIOR TO 1969

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
RU-103-106

M M M CURIES M M M

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		D 400 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	1.9500E-02	1.3017E-02				
1956	1.8000E-02	1.9692E-02				
1957	3.3000E-02	3.3270E-02				
1958	6.1500E-02	6.0281E-02				
1959	4.9300E-01	5.2151E-01	2.2050E-01	1.5624E-01		
1960	4.9000E-01	6.0894E-01	9.5530E-02	1.4614E-01		
1961	9.3000E-01	9.4345E-01	3.0000E-02	9.4628E-02		
1962	3.3000E-01	7.0752E-01	5.8500E-03	5.1656E-02		
1963	3.3000E-01	5.8906E-01	7.3500E-02	7.8016E-02		
1964	5.1000E-01	6.5713E-01	1.1700E+00	8.6820E-01		
1965	7.9000E-01	8.8970E-01	7.9000E-01	9.9568E-01		
1966	2.9000E-01	6.5219E-01	4.2000E-01	7.9751E-01		
1967	3.3000E-01	5.6128E-01	2.0000E-01	5.4213E-01	2.9000E-01	2.0549E-01
1968	5.7000E-01	6.8569E-01	3.0000E-03	2.7432E-01	2.0000E-02	1.1734E-01
1969	1.0000E-01	4.1513E-01		1.3773E-01	2.0000E-02	7.3086E-02
1970	6.0000E-02	2.5094E-01		6.9150E-02	1.0000E-03	3.7404E-02
1971	1.0000E-02	1.3308E-01		3.4719E-02	2.4000E-02	3.5785E-02
1972		6.6815E-02		1.7431E-02	3.9000E-02	4.5601E-02
1973	2.4000E-02	5.0552E-02		8.7520E-03	1.8420E-02	3.5947E-02
1974	3.0000E-03	2.7507E-02		4.3942E-03		1.8048E-02
1975		1.3811E-02		2.2062E-03		9.0617E-03
1976	1.0000E-03	7.6426E-03		1.1077E-03		4.5497E-03
1977	8.6600E-04	4.4508E-03		5.5615E-04		2.2843E-03
1978		2.2346E-03		2.7923E-04		1.1469E-03
1979		1.1220E-03		1.4019E-04		5.7583E-04
1980		5.6331E-04	7.2600E-04	5.8481E-04		2.8911E-04
1981		2.8283E-04		2.9362E-04		1.4516E-04
1982		1.4200E-04	1.7470E-04	2.7121E-04		7.2880E-05
1983		7.1296E-05	5.3820E-04	5.1757E-04		3.6591E-05
1984		3.5796E-05	9.0000E-05	3.2361E-04		1.8372E-05
1985		1.7972E-05		1.6248E-04		9.2240E-06
TOTAL	5.5639E+00		3.0099E+00		4.1242E-01	

ISOTOPE
RU-103-106

M M M CURIES M M M

	F 291 ATMOSPHERIC		H 291 ATMOSPHERIC		K LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	7.2770E+00	5.1563E+00	1.7790E+01	1.2606E+01	1.6500E-02	1.1691E-02
1956	4.0290E+00	5.4437E+00	2.3110E+00	7.9665E+00	3.6000E-02	3.1379E-02
1957	4.4430E-01	3.0480E+00	7.9460E-01	4.5628E+00	9.7500E-02	8.4841E-02
1958	2.3060E-01	1.6937E+00	3.8600E-01	2.5644E+00	4.6500E-02	7.5545E-02
1959	8.0340E+00	6.5431E+00	1.9540E+00	2.6721E+00	2.8800E-01	2.4200E-01
1960	8.4950E+00	9.4462E+00	1.5900E-01	1.4543E+00	1.3500E+00	1.0781E+00
1961	6.7400E-01	5.2203E+00	3.2390E+00	3.0252E+00	2.4200E+00	2.2560E+00
1962	2.5290E+00	4.4130E+00	2.4600E-01	1.6932E+00	7.7000E-01	1.6783E+00
1963	1.1540E+00	3.0334E+00	2.7350E+00	2.7881E+00	5.9000E-01	1.2607E+00
1964	1.5920E+00	2.6510E+00	1.0230E+00	2.1247E+00	8.0000E-01	1.1998E+00
1965	2.5650E+00	3.1485E+00	1.9500E-01	1.2049E+00	1.8900E+00	1.9416E+00
1966	1.0580E+00	2.3305E+00	3.5320E+00	3.1077E+00	3.3000E-01	1.2087E+00
1967	1.2160E-01	1.2562E+00	2.9680E-01	1.7706E+00	6.1000E-01	1.0391E+00
1968	1.4240E-01	7.3163E-01	1.9910E+01	1.4997E+01	1.2700E+00	1.4216E+00
1969		3.6734E-01		7.5295E+00		7.1375E-01
1970		1.8443E-01		3.7804E+00		3.5836E-01
1971		9.2599E-02		1.8981E+00		1.7992E-01
1972		4.6492E-02		9.5297E-01		9.0335E-02
1973		2.3342E-02		4.7847E-01	2.0000E-03	4.6773E-02
1974		1.1720E-02		2.4023E-01		2.3483E-02
1975		5.8842E-03		1.2061E-01	5.2000E-02	4.8636E-02
1976		2.9543E-03		6.0537E-02		2.4419E-02
1977		1.4833E-03		3.0404E-02	1.5690E-04	1.2371E-02
1978		7.4474E-04		1.5265E-02		6.2112E-03
1979		3.7392E-04		7.6644E-03		3.1185E-03
1980		1.8773E-04		3.8481E-03		1.5657E-03
1981		9.4257E-05		1.9321E-03		7.8611E-04
1982		4.7325E-05		9.7804E-04		3.9469E-04
1983		2.3761E-05		4.0704E-04		1.9817E-04
1984		1.1930E-05		2.4453E-04		9.9494E-05
1985		5.9896E-06		1.2277E-04		4.9954E-05
TOTAL	3.8546E+01		5.4571E+01		1.9569E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
RU-103-106

M M M CURIES M M M

	K 650 LIQUID TO SEEPAGE BASINS		K 904-88G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959	3.0000E-02	2.1257E-02			4.2000E-02	2.9760E-02
1960	4.6500E-03	1.3968E-02			7.5000E-02	6.8085E-02
1961		7.0128E-03			1.7850E-01	1.6066E-01
1962		3.5210E-03			1.5900E-01	1.9333E-01
1963		1.7678E-03			3.9900E-01	3.7979E-01
1964		8.8758E-04			3.7600E+00	2.8549E+00
1965	1.0000E-03	1.1542E-03			2.3600E+00	3.1056E+00
1966		5.7950E-04			5.0000E-01	1.9136E+00
1967		2.9096E-04			8.7000E-01	1.5772E+00
1968		1.4608E-04	1.9600E+00	1.3888E+00	4.9900E+00	4.3277E+00
1969		7.3345E-05	1.2900E+00	1.6113E+00	1.0800E+00	2.9381E+00
1970		3.6825E-05	1.6900E+00	2.0065E+00	6.5000E-01	1.9357E+00
1971		1.8489E-05	2.0000E-02	1.0216E+00	7.1000E-01	1.4750E+00
1972		9.2829E-06	2.0000E-02	5.2709E-01		7.4055E-01
1973		4.6607E-06	1.0000E-03	2.6535E-01		2.3627E-02
1974		2.3400E-06	1.0000E-03	1.3393E-01		1.1863E-02
1975		1.1749E-06		6.7244E-02		5.9580E-03
1976		5.8988E-07	2.3000E-02	5.0060E-02		2.9904E-03
1977		2.9617E-07	3.4470E-03	2.7576E-02		1.5014E-03
1978		1.4870E-07	7.2990E-04	1.4363E-02		7.5381E-04
1979			1.8600E-04	7.3430E-03		3.7847E-04
1980			1.2900E-04	3.7781E-03		1.9002E-04
1981			3.4200E-04	2.1393E-03		9.5406E-05
1982			2.2500E-04	1.2335E-03		4.7901E-05
1983				6.1931E-04		2.4050E-05
1984			1.3800E-04	4.0873E-04		1.2075E-05
1985			1.0140E-03	9.2371E-04		6.0626E-06
TOTAL	3.5650E-02		5.0112E+00		1.5773E+01	

ISOTOPE
RU-103-106

M M M CURIES M M M

	L 640 LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958	4.6500E-02	3.2949E-02			4.2000E-02	2.9760E-02
1959	6.0000E-03	2.0794E-02			9.7500E-02	8.4028E-02
1960	8.2500E-03	1.6286E-02			2.8200E-01	2.4201E-01
1961	3.0000E-03	8.1981E-03	3.9450E-02	2.7953E-02	1.3350E-01	2.1610E-01
1962	4.5000E-03	4.1480E-03	3.1650E-02	3.6461E-02	1.8000E-01	2.3604E-01
1963	2.1450E-01	1.5407E-01	2.3100E-01	1.8199E-01	1.1200E+00	9.1212E-01
1964	7.0000E-02	1.2696E-01	3.7800E+00	2.7698E+00	5.8000E-01	8.6893E-01
1965		6.3742E-02	2.9360E+03	2.2194E+01	4.3800E+00	3.5398E+00
1966		3.2803E-02	1.6500E+00	1.2312E+01	1.4500E+00	2.8047E+00
1967		1.6048E-02	8.1000E-01	6.7558E+00	6.3000E-01	1.8546E+00
1968	1.1000E-01	8.6011E-02	1.0000E-02	3.3990E+00	8.0000E-02	9.8783E-01
1969		4.3184E-02	1.0000E-03	1.7073E+00		4.9597E-01
1970		2.1682E-02	1.0000E-03	8.5789E-01	1.0000E-02	2.4901E-01
1971		1.0886E-02	1.0000E-03	4.3144E-01	4.0000E-01	1.3211E-01
1972		5.4656E-03	2.0000E-02	2.3079E-01		3.4976E-01
1973		2.7441E-03		1.1587E-01		1.7561E-01
1974		1.3778E-03		5.8177E-02	4.6000E-04	8.8494E-02
1975		6.9175E-04	2.0000E-03	3.0627E-02		4.4431E-02
1976		3.4731E-04		1.5377E-02	4.0000E-03	2.5142E-02
1977		1.7438E-04	3.2700E-04	7.9521E-03	1.0000E-03	1.3332E-02
1978		8.7551E-05		3.9926E-03	2.0000E-03	8.1108E-03
1979		4.3958E-05		2.0046E-03		4.0722E-03
1980		2.2070E-05		1.0065E-03		2.0446E-03
1981		1.1081E-05		5.0532E-04		1.0265E-03
1982		5.5635E-06		2.5371E-04		5.1540E-04
1983		2.7933E-06		1.2738E-04		2.5877E-04
1984	1.6200E-04	1.4025E-06		6.3956E-05		1.2992E-04
1985		1.1549E-04		3.2111E-05		6.5232E-05
TOTAL	4.5549E-01		3.5937E+01		9.3925E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE

RU-103-106

M M M CURIES M M M

	P 61G LIQUID TO SEEPAGE BASINS		R LIQUID TO STREAMS		R 600 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954			4.5000E-02	3.1886E-02		
1955			4.8000E-02	5.0021E-02		
1956			2.2800E-01	1.8667E-01		
1957	4.8000E-02	3.4012E-02	1.5590E+00	1.1984E+00	1.7040E+01	1.2074E+01
1958	1.5000E-03	7.8139E-02	4.0500E-01	8.8866E-01	6.3300E-01	6.5107E+00
1959	8.5500E-02	6.9690E-02	4.2450E-01	7.4697E-01	1.3500E-02	3.2784E+00
1960	9.1500E-02	9.9825E-02	2.3200E+00	2.0189E+00		1.6460E+00
1961	4.9650E-02	8.5300E-02	7.5000E-01	1.5451E+00		8.2643E-01
1962	2.2350E-02	5.8664E-02	9.2000E-01	1.4276E+00	1.2000E-03	4.1578E-01
1963	4.5000E-02	6.1340E-02	9.2900E+00	7.2994E+00	1.5000E-03	2.0902E-01
1964		3.0797E-02	9.3000E-01	4.3239E+00		1.0535E-01
1965		1.5463E-02		2.1709E+00		5.2892E-02
1966		7.7635E-03		1.0900E+00		2.6556E-02
1967		3.8979E-03		5.4725E-01		1.3333E-02
1968		1.9570E-03		2.7476E-01		6.6942E-03
1969		9.8258E-04		1.3795E-01		3.3610E-03
1970		4.9333E-04		6.9263E-02		1.6875E-03
1971		2.4769E-04		3.4775E-02		8.4725E-04
1972		1.2438E-04		1.7460E-02		4.2539E-04
1973		6.2438E-05		8.7662E-03		2.1358E-04
1974		3.1349E-05		4.4013E-03		1.0723E-04
1975		1.5740E-05		2.2098E-03		5.3839E-05
1976		7.9025E-06		1.1099E-03		2.7031E-05
1977		3.9677E-06		5.5705E-04		1.3572E-05
1978		1.9921E-06		2.7968E-04		6.8141E-06
1979		1.0002E-06		1.4042E-04		3.4212E-06
1980	1.0300E-04	7.3408E-05		7.0503E-05		1.7177E-06
1981		3.6895E-05		3.5398E-05		8.6243E-07
1982	1.8870E-03	1.3556E-03		1.7773E-05		4.3301E-07
1983		6.8062E-04		8.9232E-06		2.1740E-07
1984	2.1750E-03	1.8829E-03		4.4801E-06		1.0915E-07
1985	3.1470E-03	3.1752E-03		2.2494E-06		
TOTAL	3.5081E-01		1.6919E+01		1.7689E+01	

ISOTOPE

SB-124

M M M CURIES M M M

	K LIQUID TO STREAMS		K 904-88G LIQUID TO CONTAINMENT BASIN		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970			1.6000E+00	1.9205E-01		
1971	4.0000E-02	4.8013E-03	8.0500E+00	9.6902E-01	8.0000E-04	9.6025E-05
1972		6.9175E-05		1.3961E-02		1.3835E-06
1973		9.9664E-07		2.0115E-04		
1974				2.8981E-06		
1975						
1976						
1977						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985						
TOTAL	4.0000E-02		9.4500E+00		8.0000E-04	

SRP RADIOACTIVE RELEASES, 1954-1985

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SB-124

M M M CURIES M M M

	R LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964	7.5000E+00	9.8024E-01
1965		1.2970E-02
1966		1.8687E-04
1967		2.6923E-06
1968		
1969		
1970		
1971		
1972		
1973		
1974		
1975		
1976		
1977		
1978		
1979		
1980		
1981		
1982		
1983		
1984		
1985		
TOTAL	7.5000E+00	

ISOTOPE
SB-125

M M M CURIES M M M

	H 480 LIQUID TO SEEPAGE BASINS		K LIQUID TO STREAMS		K 904-88G LIQUID TO CONTAINMENT BASIN	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963	1.0000E-01	8.8073E-02				
1964	1.0000E-01	1.5639E-01				
1965		1.2131E-01				
1966		9.4100E-02				
1967		7.2993E-02				
1968		5.6620E-02				
1969		4.3920E-02				
1970		3.4868E-02				
1971		2.6426E-02	4.1000E-04	3.6110E-04	1.1100E+00	9.7761E-01
1972	8.6000E-01	7.7793E-01		2.8010E-04		7.5833E-01
1973		6.0343E-01		2.1727E-04		5.8823E-01
1974		4.6808E-01		1.6854E-04		4.5628E-01
1975		3.6388E-01		1.3073E-04		3.5394E-01
1976		2.8164E-01		1.0141E-04		2.7454E-01
1977		2.1847E-01		7.8842E-05		2.1296E-01
1978		1.6944E-01		6.1017E-05		1.6519E-01
1979		1.3145E-01		4.7331E-05		1.2814E-01
1980		1.0197E-01		3.6714E-05		9.9396E-02
1981		7.9094E-02		2.8479E-05	1.6000E+00	1.4863E+00
1982		6.1332E-02		2.2091E-05		1.1529E+00
1983		4.7591E-02		1.7136E-05		8.9429E-01
1984		3.6916E-02		1.3292E-05		6.9369E-01
1985		2.8635E-02		1.0310E-05		5.3809E-01
TOTAL	1.6600E+00		4.1000E-04		2.7100E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

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SB-124-125

*** CURIES ***

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		F 470 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972						
1973	1.0000E-02	8.8073E-03			5.0000E-02	4.4037E-02
1974		6.8318E-03			3.0000E-02	6.0581E-02
1975	1.0000E-03	6.1801E-03				4.6992E-02
1976		4.7938E-03				3.6451E-02
1977		3.7185E-03				2.8275E-02
1978		2.8844E-03				2.1933E-02
1979		2.2374E-03				1.7013E-02
1980		1.7356E-03				1.3197E-02
1981		1.3463E-03	8.1300E-04	7.1604E-04		1.0237E-02
1982		1.0443E-03	5.6340E-03	5.5173E-03		7.9405E-03
1983		8.1004E-04	1.5290E-03	5.6265E-03		6.1594E-03
1984		6.2834E-04		4.3644E-03		4.7778E-03
1985		4.8740E-04		3.3854E-03		3.7061E-03
TOTAL	1.1000E-02		7.9760E-03		8.0000E-02	

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*** CURIES ***

	H 486 LIQUID TO SEEPAGE BASINS		K LIQUID TO STREAMS		K 904-88G LIQUID TO CONTAINMENT BASIN	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972						
1973	3.1000E-01	2.7383E-01			7.1000E-01	6.2532E-01
1974	1.4000E-01	3.3509E-01			1.9300E-01	6.5504E-01
1975	7.1000E-02	3.2246E-01			2.4200E-01	7.2653E-01
1976	9.8000E-02	3.3644E-01			3.7000E-02	5.9615E-01
1977	2.5000E-02	2.8299E-01			1.2400E-01	5.7164E-01
1978	4.1650E-02	2.5620E-01	4.8000E-05	4.2275E-05	3.7680E-02	4.7660E-01
1979	5.5000E-02	2.4717E-01		3.2793E-05	2.0820E-02	3.8803E-01
1980	3.0000E-03	1.9437E-01		2.5437E-05	1.4520E-02	3.1178E-01
1981	1.2000E-01	2.5646E-01		1.9731E-05	1.3590E-02	2.5537E-01
1982	5.6130E-02	2.4837E-01		1.5305E-05	7.8820E-03	2.0503E-01
1983	6.4580E-02	2.4954E-01		1.1872E-05	6.2480E-03	1.6454E-01
1984	1.3000E-02	2.0501E-01		9.2092E-06	4.4170E-03	1.3152E-01
1985	9.0000E-03	1.6795E-01		7.1435E-06	3.2250E-03	1.0486E-01
TOTAL	1.0064E+00		4.8000E-05	5.5411E-06	1.6110E-03	8.2758E-02

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	P LIQUID TO STREAMS		P 610 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954				
1955				
1956				
1957				
1958				
1959				
1960				
1961				
1962				
1963				
1964				
1965				
1966				
1967				
1968				
1969				
1970				
1971				
1972				
1973	1.1000E-02	9.6881E-03		
1974		7.5150E-03		
1975		5.8293E-03		
1976		4.5217E-03		
1977	8.3400E-04	4.2420E-03		
1978		3.2905E-03		
1979		2.5524E-03		
1980		1.9799E-03	2.1500E-04	1.8936E-04
1981		1.5358E-03		1.4688E-04
1982		1.1913E-03	2.9860E-03	2.7438E-03
1983		9.2487E-04	2.0030E-03	3.8925E-03
1984		7.1679E-04	1.2220E-02	1.3782E-02
1985		5.5601E-04	6.6000E-03	1.0749E-02
TOTAL	1.1834E-02		1.7490E-02	

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M M M CURIES M M M

	F - MIGRATION FROM SEEPAGE BASINS TO STREAMS		COMBINED F AND H ATMOSPHERIC		H - MIGRATION FROM SEEPAGE BASINS TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956			2.1150E-01	2.1150E-01		
1957			2.1150E-01	4.2300E-01		
1958			2.1150E-01	6.3450E-01		
1959			2.1150E-01	8.4600E-01		
1960			2.1150E-01	1.0575E+00		
1961			2.1150E-01	1.2690E+00		
1962			2.1150E-01	1.4805E+00		
1963			2.1150E-01	1.6920E+00		
1964			2.1150E-01	1.9035E+00		
1965			2.1150E-01	2.1150E+00		
1966			2.1150E-01	2.3265E+00		
1967			2.1150E-01	2.5380E+00		
1968			2.1150E-01	2.7495E+00		
1969			2.1150E-01	2.9610E+00		
1970			2.1150E-01	3.1724E+00		
1971			2.1150E-01	3.3841E+00		
1972			2.1150E-01	3.5956E+00		
1973			2.1150E-01	3.8071E+00		
1974			2.1150E-01	4.0186E+00		
1975			1.7000E-01	4.1886E+00		
1976			1.4000E-01	4.3286E+00		
1977			1.5000E-01	4.4786E+00		
1978			1.4000E-01	4.6186E+00		
1979			1.3000E-01	4.7486E+00		
1980			1.3000E-01	4.8786E+00		
1981	1.0000E-02	1.0000E-02	1.4000E-01	5.0386E+00	1.0000E-02	1.0000E-02
1982	1.1000E-02	2.1000E-02	1.4000E-01	5.1986E+00	1.1000E-02	2.1000E-02
1983	1.1000E-02	3.2000E-02	5.9000E-02	5.2576E+00	1.1000E-02	3.2000E-02
1984	1.1000E-02	4.3000E-02	4.1000E-02	5.2986E+00	1.1000E-02	4.3000E-02
1985	1.1000E-02	5.4000E-02	3.5400E-02	5.3340E+00	1.1000E-02	5.4000E-02
TOTAL	6.5000E-02	6.5000E-02	6.5000E-02	5.3990E+00	6.5000E-02	6.5000E-02

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	A 773 ATMOSPHERIC		C 105 ATMOSPHERIC		C VTS LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958	2.9300E+00	4.4509E-07				
1959	1.0000E-01				2.3200E+00	3.5242E-07
1960	1.8000E-02				4.3100E+00	6.5472E-07
1961	3.4500E-01				2.2900E+00	3.4767E-07
1962	1.1500E-01				3.9900E+00	6.0611E-07
1963	9.0000E-03				4.1000E-01	
1964	1.6470E+00	2.5019E-07			3.9000E-01	
1965	7.3000E-01	1.1089E-07			1.5200E+00	2.3090E-07
1966	1.7700E-02				1.1800E+00	1.7925E-07
1967	1.7200E-01				6.2000E-01	
1968	1.9200E-02				5.0000E-01	
1969	3.7500E-03				2.0200E+00	3.0685E-07
1970	8.7500E-02				1.3200E+00	2.0052E-07
1971	1.8060E-02				8.0000E-01	1.2153E-07
1972	2.4840E-02		9.2900E-03		5.6000E-02	
1973	3.1150E-02		9.1000E-04		1.4000E-02	
1974	2.5580E-02		8.1900E-04			
1975	7.7320E-03		2.4090E-03		2.0000E-03	
1976	1.3130E-02		4.9360E-03		5.1860E-03	
1977	5.0370E-03		1.3070E-03			
1978	8.7000E-03		2.3600E-03			
1979	3.2090E-03		6.8750E-03			
1980	4.1860E-03		2.8600E-03			
1981	3.2180E-03		6.3670E-03			
1982	1.9670E-03		2.8000E-03			
1983	2.6950E-03		1.7850E-03			
1984	2.1040E-03		9.4000E-05			
1985	1.1330E-03					
TOTAL	6.3469E+00		4.2012E-02		2.1747E+01	

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*** CURIES ***

	C 66G LIQUID TO SEEPAGE BASINS		F 291 ATMOSPHERIC		F 470 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955			3.1200E+01	4.7395E-06	2.0300E+02	3.0837E-05
1956			6.8800E+02	1.0451E-04	4.0300E+02	6.1219E-05
1957			4.6000E+01	6.9877E-06	7.2000E+01	1.0937E-05
1958					1.8000E+00	2.7343E-07
1959			1.2800E+02	1.9444E-05	2.3100E+01	3.5091E-06
1960			7.2850E+00	1.1066E-06	5.1000E+00	7.7473E-07
1961			1.6100E+02	2.4437E-05	1.5730E+02	2.3895E-05
1962			6.4290E+00	9.7661E-07	6.9100E+00	1.0497E-06
1963			1.0260E+00	1.5586E-07	1.5900E+00	2.4153E-07
1964			3.5520E+00	5.5937E-07	1.0590E+01	1.6087E-06
1965			1.4960E+00	2.2725E-07	2.6400E+00	4.0103E-07
1966			1.3210E+01	2.0067E-06	4.0900E+00	6.2130E-07
1967			1.3740E+01	2.0112E-06	4.4400E+00	6.7447E-07
1968	2.4000E-01		6.5200E-01		1.6000E-01	
1969			2.6170E+00	3.9734E-07	1.3300E+00	2.3242E-07
1970	7.7000E-01	1.1697E-07	1.3200E+00	2.0052E-07	8.1000E-01	1.2304E-07
1971			2.1500E+00	3.2660E-07	1.8500E+00	2.8103E-07
1972			1.9300E+00	2.9318E-07	1.2800E+00	1.9444E-07
1973			7.7600E-01	1.1758E-07	1.7900E+00	2.7191E-07
1974			1.8770E+00	2.8513E-07	1.7000E-01	
1975			1.3040E-02		2.4000E-02	
1976			2.0070E-02		4.0000E-03	
1977			3.7750E-02		1.5000E-02	
1978	3.3920E-04		1.5030E-02		4.1500E-04	
1979	1.7680E-03		1.0220E-02			
1980	1.4100E-03		1.9340E-03			
1981	7.1270E-03		3.2640E-02		2.3470E-03	
1982	6.4790E-03		8.4790E-02		1.8130E-02	
1983	5.3100E-03		6.9300E-02		1.7750E-02	
1984	4.9400E-04		2.7190E-01		7.4000E-02	
1985			5.5050E-02		3.0000E-03	
TOTAL	1.0329E+00		1.1124E+03		9.0330E+02	

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*** CURIES ***

	H 291 ATMOSPHERIC		H 480 LIQUID TO SEEPAGE BASINS		K 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	3.8000E+01	5.7725E-06	2.8600E+02	4.3445E-05		
1956	8.8800E+02	1.3489E-04	5.3600E+02	8.1422E-05		
1957	2.4600E+02	3.7369E-05	7.9800E+02	1.2122E-04		
1958	1.7000E+01	2.5824E-06	2.3000E+01	3.4939E-06		
1959	3.4000E+01	5.1648E-06	3.7000E+01	5.6206E-06		
1960			3.1600E-01			
1961	5.8700E-01		2.8000E-01			
1962	1.0120E+01	1.5373E-06	2.7000E-01			
1963	3.7860E+00	5.7512E-07	1.3200E+00	2.0052E-07		
1964	6.4090E+00	9.7357E-07	1.1000E+00	1.6710E-07		
1965	1.5840E+01	2.4062E-06	5.9200E+00	8.9929E-07		
1966	1.8390E+01	2.7936E-06	1.2980E+01	1.9718E-06		
1967	6.6880E+00	1.0160E-06	3.5000E-01			
1968	2.1450E+01	3.2584E-06	6.0000E-02			
1969	3.3330E+01	5.0631E-06	1.0000E-02			
1970	3.2960E+01	5.0069E-06	4.4100E+00	6.6991E-07		
1971	2.4450E+01	3.7141E-06	9.7000E-01	1.4735E-07		
1972	7.8000E-01	1.1849E-07	1.6300E+00	2.4761E-07		
1973	1.0230E+00	1.5540E-07	1.1200E+00	1.7014E-07	7.3900E-03	
1974	8.0000E-03		1.8000E-01		9.5400E-03	
1975	9.9360E-02		1.9900E-01		9.4000E-04	
1976	1.1720E-01		1.1300E-01		7.0700E-04	
1977	1.1650E-02		1.4000E-02		4.9200E-04	
1978	3.8530E-02		3.5010E-02		3.2900E-04	
1979	6.2000E-02		4.4000E-02		9.1000E-04	
1980	3.2870E-03				1.0080E-03	
1981	4.1770E-03				3.6940E-03	
1982	1.1380E-02		2.3620E-02		1.5170E-03	
1983	5.3240E-03		1.4400E-03		6.0300E-04	
1984	2.8060E-03		3.0000E-03		2.6000E-03	
1985	1.6400E-04				6.3000E-03	
					4.9100E-04	
TOTAL	1.3992E+03		1.7113E+03		3.0284E-02	

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*** CURIES ***

	K LIQUID TO STREAMS		K 650 LIQUID TO SEEPAGE BASINS		K 904-88G LIQUID TO CONTAINMENT BASIN	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	6.0200E+00	9.1448E-07				
1961	5.9400E+00	9.0233E-07				
1962	2.5400E+00	3.8584E-07				
1963	8.3000E-01	1.2912E-07				
1964	1.3000E-01					
1965	8.4000E-01	1.2768E-07	2.0000E-03			
1966	2.7000E-01					
1967	7.0700E+00	1.0740E-06				
1968	6.0100E+00	9.1296E-07				
1969	4.0000E-01				3.6800E+00	5.5902E-07
1970					1.4410E+01	2.1890E-06
1971					3.2300E+00	4.9066E-07
1972						
1973	9.0000E-03				1.3000E-01	
1974					1.4100E-01	
1975					1.0000E-03	
1976					3.0000E-03	
1977						
1978					1.4400E-04	
1979					1.4450E-03	
1980					3.2300E-04	
1981					8.2800E-04	
1982					3.4000E-03	
1983					3.2270E-03	
1984						
1985					1.0250E-03	
					1.7490E-03	
TOTAL	3.0099E+01		2.0000E-03		2.1604E+01	

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M M M CURIES M M M

	L LIQUID TO STREAMS		L 64G LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	3.3000E+00	5.0129E-07				
1961	7.0300E+00	1.8679E-06				
1962	1.8500E+00	2.8103E-07				
1963	3.7200E+00	5.6509E-07				
1964	7.7700E+00	1.1803E-06			7.6000E-01	1.1545E-07
1965	4.0900E+00	6.2130E-07				
1966	1.2100E+00	1.8381E-07				
1967	5.2900E+00	8.0359E-07	9.9000E-01	1.5039E-07		
1968	4.0000E-01					
1969						
1970						
1971					4.0000E-04	
1972						
1973						
1974						
1975						
1976						
1977						
1978						
1979						
1980						
1981						
1982						
1983			1.9000E-05			
1984						
1985						
TOTAL	3.4660E+01		9.9002E-01		7.6040E-01	

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M M M CURIES M M M

	P 185 ATMOSPHERIC		P LIQUID TO STREAMS		P 610 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957			6.5000E+01	9.8740E-06		
1958						
1959						
1960			4.4500E+00	6.7599E-07		
1961			2.5900E+00	3.9344E-07		
1962			7.6930E+01	1.1686E-05		
1963			2.5500E+00	3.8736E-07		
1964			1.0000E-01			
1965			7.8000E-02			
1966			2.3000E-02			
1967			8.0000E-02			
1968			2.4600E+00	3.7369E-07		
1969			4.1200E+00	6.2586E-07		
1970			1.5000E-01			
1971			2.1000E-01			
1972			1.3000E-01			
1973	6.7100E-03		9.0000E-02			
1974	1.4600E-03					
1975	1.0290E-03					
1976	2.1570E-03					
1977	1.1660E-03					
1978	9.5100E-04		7.2200E-03			
1979	5.5460E-03		7.2560E-04			
1980	5.1440E-03				1.8750E-02	
1981	3.4080E-03				1.5040E-02	
1982	9.2300E-04				1.1170E-02	
1983	1.3360E-03				3.7890E-02	
1984	3.7480E-03				1.6420E-02	
1985	3.5300E-03				4.1060E-02	
TOTAL	3.7108E-02		1.5896E+02		1.6793E-01	

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*** CURIES ***

R
LIQUID TO STREAMS

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960	8.2500E+00	1.2532E-06
1961	8.9000E+00	1.3520E-06
1962	3.4900E+00	5.3016E-07
1963	3.5340E+01	5.3684E-06
1964	2.7000E-01	
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973		
1974		
1975		
1976		
1977		
1978		
1979		
1980		
1981		
1982		
1983		
1984		
1985		
TOTAL	5.6250E+01	

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*** CURIES ***

A 773
ATMOSPHERIC

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973	1.0210E-02	
1974		
1975		
1976		
1977		
1978		
1979		
1980		
1981		
1982		
1983		
1984		
1985		
TOTAL	1.0210E-02	

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M M M CURIES M M M

COMBINED F AND H
ATMOSPHERIC

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960	6.9000E+02	1.8255E-02
1961	5.0000E+02	1.3228E-02
1962	2.9000E+02	7.6724E-03
1963	1.4000E+02	3.7039E-03
1964	1.7000E+02	4.4976E-03
1965	6.1000E+02	1.6139E-02
1966	2.6000E+02	6.8787E-03
1967	1.8900E+03	5.0003E-02
1968	9.3000E+02	2.4605E-02
1969	8.5000E+02	2.2488E-02
1970	1.0000E+03	2.6457E-02
1971	1.0870E+03	2.8758E-02
1972	2.9240E+02	7.7359E-03
1973	5.1070E+02	1.3511E-02
1974	1.3500E+02	3.5717E-03
1975	5.8000E+00	1.5345E-04
1976	6.3080E+02	1.6689E-02
1977	1.2120E+01	3.2066E-04
1978	7.0840E+00	1.8742E-04
1979	9.1130E+00	2.4110E-04
1980	1.9300E-01	5.1061E-06
1981	6.4170E+00	1.6977E-04
1982	5.8600E+01	1.9504E-03
1983	1.9580E+01	5.1802E-04
1984	1.8400E+01	4.8680E-04
1985	5.0000E+00	1.3228E-04
TOTAL	1.0128E+04	

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M M M CURIES M M M

C 105
ATMOSPHERIC

COMBINED F AND H
ATMOSPHERIC

K 105
ATMOSPHERIC

	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954			6.8000E+00		3.4000E+01	
1955	3.6000E+01		2.0000E+01		7.2000E+01	
1956	7.2000E+01		4.0000E+01		1.8000E+01	
1957	1.8000E+01		1.0000E+01		4.6800E+02	
1958	4.6200E+02		2.6000E+02		9.0000E+02	
1959	9.0000E+02		5.0000E+02		1.4000E+03	
1960	1.4000E+03		4.1000E+02		7.2000E+02	
1961	7.2000E+02		4.2000E+02		4.6800E+02	
1962	4.6800E+02		2.6000E+02		1.5100E+03	
1963	1.5100E+03		8.5000E+02		3.4000E+02	
1964	3.4000E+02		2.0000E+02		9.5000E+02	
1965	9.5000E+02		4.2000E+02		1.0000E+04	3.7751E-07
1966	1.0000E+04	3.7751E-07	4.3000E+03	1.6233E-07	3.3500E+04	1.2647E-06
1967	3.3500E+04	1.2647E-06	1.4000E+04	5.2852E-07	1.1000E+04	4.1526E-07
1968	1.1000E+04	4.1526E-07	5.2000E+03	1.9631E-07	6.4000E+03	2.4916E-07
1969	6.4000E+03	2.4916E-07	2.2000E+03		5.4000E+03	2.0386E-07
1970	5.4000E+03	2.0386E-07	1.8000E+03		3.5000E+03	1.3213E-07
1971	5.0000E+03	1.8876E-07	2.7400E+03	1.0374E-07	1.8470E+04	6.9727E-07
1972	8.3000E+03	3.1334E-07	7.7300E+00		9.7870E+03	3.6947E-07
1973	7.0230E+03	2.6513E-07	3.7030E+01		3.3030E+03	1.2469E-07
1974	2.0430E+03		1.2900E+02		6.8000E+02	
1975	1.7700E+02				4.1700E+02	
1976	7.2100E+02		9.0190E+02		2.3800E+02	
1977	1.1610E+03		1.3000E-02		5.1200E+02	
1978	7.7400E+02		6.4400E-01		7.0200E+02	
1979	1.0100E+03		2.9000E-01		1.0210E+03	
1980	2.8580E+03	1.0789E-07			1.1100E+03	
1981	3.8600E+02				8.4000E+02	
1982	8.7800E+02				5.0400E+02	
1983	8.8400E+02		3.2200E-03		1.1600E+02	
1984	4.1100E+02				1.1460E+03	
1985	2.2000E+02					
TOTAL	1.0525E+05		3.4721E+04		1.1575E+05	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	L 105 ATMOSPHERIC		P 105 ATMOSPHERIC		R 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954			2.7000E+01		2.7000E+01	
1955	3.6000E+01		3.6000E+01		3.6000E+01	
1956	7.2000E+01		7.2000E+01		7.2000E+01	
1957	1.8000E+01		1.8000E+01		1.8000E+01	
1958	4.6800E+02		4.6800E+02		4.6800E+02	
1959	9.0000E+02		9.0000E+02		9.0000E+02	
1960	1.4000E+03		1.4000E+03		1.4000E+03	
1961	7.2000E+02		7.2000E+02		7.2000E+02	
1962	4.6800E+02		4.6800E+02		4.6800E+02	
1963	1.5100E+03		1.5100E+03		1.5100E+03	
1964	3.6000E+02		3.6000E+02		3.6000E+02	
1965	9.5000E+02		9.5000E+02			
1966	1.0000E+04	3.7751E-07	1.0000E+04	3.7751E-07		
1967	3.3500E+04	1.2647E-06	3.3500E+04	1.2647E-06		
1968	1.1000E+04	4.1526E-07	1.1000E+04	4.1526E-07		
1969			6.6000E+03	2.4916E-07		
1970			5.4000E+03	2.0386E-07		
1971			1.4000E+04	5.2852E-07		
1972			1.2330E+04	4.6547E-07		
1973			5.5960E+03	2.1126E-07		
1974			3.2000E+01			
1975			2.1500E+02			
1976			4.3800E+02			
1977			9.0300E+02			
1978			9.0300E+02			
1979			3.6250E+03	1.3685E-07		
1980			3.8780E+03	1.4640E-07		
1981			2.4310E+03			
1982			2.5300E+03			
1983			2.0120E+03			
1984			3.1460E+03	1.1952E-07		
1985	1.0000E+00		3.2650E+03	1.2326E-07		
TOTAL	6.1403E+04		1.2875E+05		5.9790E+03	

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M M M CURIES M M M

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		F 291 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972					3.2000E-04	2.7024E-04
1973						1.9274E-04
1974	3.8000E-02	3.2091E-02				1.3746E-04
1975	6.0000E-03	2.7954E-05				9.8035E-05
1976	1.5000E-02	3.0916E-02			7.0000E-06	7.5829E-05
1977	3.6730E-03	2.6840E-02				5.4081E-05
1978	3.4800E-04	1.9436E-02				4.0259E-05
1979		1.3862E-02	8.4800E-04	7.1614E-04	2.0000E-06	4.4758E-05
1980		1.3862E-02	1.5150E-03	1.7982E-03	1.9000E-05	1.3073E-04
1981		9.8060E-03	7.1500E-04	1.8789E-03	1.1700E-04	2.4609E-04
1982		7.8504E-03	6.2430E-03	6.6292E-03	1.8100E-04	1.9493E-04
1983		5.8285E-03	1.1560E-03	7.3932E-03	2.3800E-05	1.3903E-04
1984		3.5863E-03	1.9420E-03	4.9128E-03	4.0000E-06	1.0253E-04
1985		2.5577E-03	2.4800E-04	5.1396E-03	5.0000E-06	7.7347E-05
		1.8242E-03	1.3150E-02	1.4771E-02		5.5164E-05
TOTAL	6.3021E-02		2.7835E-02		6.7800E-04	

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M M M CURIES M M M

	F 470 LIQUID TO SEEPAGE BASINS		H 291 ATMOSPHERIC		H 480 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965					2.6400E+00	2.2295E+00
1966					8.5000E-01	2.1079E+00
1967					1.4100E+00	2.8367E+00
1968						2.0232E+00
1969						1.4429E+00
1970						1.0291E+00
1971	1.6000E-01	1.3512E-01	4.7600E-03	4.0199E-03	1.4300E+00	1.9416E+00
1972		9.6368E-02	1.5500E-03	4.1759E-03	9.1000E-01	2.1532E+00
1973		6.8729E-02		2.9783E-03	6.0000E-01	2.0424E+00
1974	3.7000E-01	3.6149E-01	3.0000E-05	2.1494E-03	2.5000E-01	1.6677E+00
1975	7.3000E-02	3.1944E-01	1.9300E-04	1.6959E-03	4.1200E-01	1.5374E+00
1976		2.2784E-01	1.7000E-04	1.3531E-03	4.4000E-01	1.4680E+00
1977	1.4000E-02	1.7432E-01	4.3100E-04	1.3290E-03	2.0600E-01	1.2210E+00
1978	2.7480E-02	1.4753E-01	1.0600E-04	1.0374E-03	6.8500E-01	1.4493E+00
1979	2.8000E-02	1.2886E-01	1.5100E-04	8.6736E-04	1.1120E+00	1.9727E+00
1980	2.0000E-03	9.3593E-02	1.9900E-04	7.8666E-04	6.5000E-02	1.4618E+00
1981	1.3700E-02	7.8320E-02	6.1800E-04	1.0829E-03	5.2410E-02	1.0868E+00
1982	1.7540E-03	5.7340E-02	3.8000E-05	8.0444E-04	4.3510E-02	8.1355E-01
1983	6.2940E-04	4.1426E-02	5.2000E-05	6.1764E-04	8.3420E-02	6.5067E-01
1984	1.0000E-03	3.0390E-02	3.3000E-05	4.6837E-04	1.5700E-01	9.9644E-01
1985		2.1674E-02	3.0000E-05	3.5937E-04	5.3000E-02	4.7028E-01
TOTAL	6.9157E-01		8.3610E-03		1.1401E+01	

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M M M CURIES M M M

	K LIQUID TO STREAMS		K 904-88G LIQUID TO CONTAINMENT BASIN		L 64G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972			3.1000E-01	2.6180E-01		
1973			2.3000E-02	2.0614E-01		
1974			2.1000E-02	1.6475E-01		
1975	1.6300E-01	1.3765E-01	7.0000E-03	1.2341E-01		
1976		9.8175E-02	4.3000E-02	1.2433E-01		
1977	2.7030E-02	9.2845E-02	1.5180E-02	1.0149E-01		
1978		6.6216E-02	4.8260E-03	7.6458E-02		
1979		4.7225E-02	2.4420E-03	5.6592E-02		
1980		3.3681E-02	3.0580E-03	4.2944E-02		
1981		2.4021E-02	1.4300E-04	3.0748E-02		
1982		1.7132E-02	2.1400E-04	2.2110E-02		
1983		1.2218E-02	1.0220E-05	1.5777E-02		
1984		8.7140E-03	4.8500E-03	1.5348E-02		
1985		6.2148E-03	4.5900E-04	1.1334E-02	1.7000E-05	1.4357E-05
TOTAL	1.9803E-01		4.3518E-01		1.7000E-05	

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*** CURIES ***

	L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS		P 610 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972			4.0000E-02	3.3780E-02		
1973			2.0600E-01	1.9806E-01		
1974			2.0000E-02	1.5815E-01		
1975	1.0000E-03	8.4451E-04	6.0000E-03	1.1786E-01		
1976		6.0230E-04	4.0000E-03	8.7432E-02		
1977	5.9000E-05	4.7938E-04	1.4560E-02	7.4652E-02		
1978		3.4189E-04	3.1910E-03	5.5937E-02	3.7500E-03	3.1669E-03
1979		2.4384E-04		3.9894E-02	9.6490E-03	1.0407E-02
1980		1.7390E-04		2.8452E-02	1.1650E-03	8.4063E-03
1981		1.2403E-04		2.0292E-02	4.5860E-03	9.8682E-03
1982		8.8455E-05		1.4472E-02	1.4600E-04	7.1615E-03
1983		6.3086E-05		1.0321E-02	2.9700E-03	7.2778E-03
1984		4.4993E-05		7.3612E-03	7.0260E-03	1.1124E-02
1985		3.2089E-05		5.2499E-03	1.0790E-03	8.8448E-03
TOTAL	1.0590E-03		2.9375E-01		2.9971E-02	

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*** CURIES ***

	C 105 ATMOSPHERIC		K 105 ATMOSPHERIC		L 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	6.0000E+01		6.0000E+01		6.0000E+01	
1956	1.0000E+02		1.0000E+02		1.0000E+02	
1957	2.0000E+01		2.0000E+01		2.0000E+01	
1958	8.0000E+02		8.0000E+02		8.0000E+02	
1959	1.3000E+03		1.3000E+03		1.3000E+03	
1960	1.9200E+03		1.9200E+03		1.9200E+03	
1961	9.4000E+02		9.4000E+02		9.4000E+02	
1962	6.8000E+02		6.8000E+02		6.8000E+02	
1963	2.4000E+03		2.4000E+03		2.4000E+03	
1964	1.6000E+02		1.6000E+02		1.6000E+02	
1965	4.5000E+02		4.5000E+02		4.5000E+02	
1966	5.2500E+02		5.2500E+02		5.2500E+02	
1967	7.4000E+03		7.4000E+03		7.4000E+03	
1968	3.1000E+03		3.1000E+03		3.1000E+03	
1969	1.8000E+03		1.8000E+03			
1970	8.6400E+02		8.6700E+02			
1971	1.1000E+03		7.1000E+02			
1972	2.2800E+03		7.2200E+03			
1973	2.1240E+03		4.5070E+03			
1974	7.0600E+02		1.4440E+03			
1975	2.2200E+02		3.8900E+02			
1976	4.2100E+02		1.4900E+02			
1977	7.7900E+02		1.0800E+02			
1978	6.3000E+02		2.7000E+02			
1979	7.0500E+02		2.7400E+02			
1980	2.3320E+03		4.8900E+02			
1981	3.7000E+02		9.1100E+02			
1982	3.2800E+02		7.5500E+02			
1983	3.2700E+02		3.9700E+02			
1984	1.0400E+02		1.2500E+02			
1985	6.4000E+01		1.3600E+02			
TOTAL	3.5013E+04		4.8408E+04		1.9855E+04	

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M M M CURIES M M M

	P 105 ATMOSPHERIC		R 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954	4.0000E+01		4.0000E+01	
1955	6.0000E+01		6.0000E+01	
1956	1.0000E+02		1.0000E+02	
1957	2.0000E+01		2.0000E+01	
1958	8.0000E+02		8.0000E+02	
1959	1.3000E+03		1.3000E+03	
1960	1.9200E+03		1.9200E+03	
1961	9.4000E+02		9.4000E+02	
1962	6.8000E+02		6.8000E+02	
1963	2.4000E+03		2.4000E+03	
1964	1.6000E+02		1.6000E+02	
1965	4.5000E+02			
1966	5.2500E+02			
1967	7.4000E+03			
1968	3.1000E+03			
1969	1.8000E+03			
1970	8.6700E+02			
1971	2.9000E+03			
1972	2.3000E+03			
1973	2.7480E+03			
1974	2.6000E+01			
1975	1.1600E+02			
1976	1.6300E+02			
1977	6.5500E+02			
1978	7.8500E+02			
1979	3.4820E+03			
1980	3.5500E+03			
1981	1.2510E+03			
1982	1.3400E+03			
1983	1.6350E+03			
1984	2.2460E+03			
1985	1.5950E+03			
TOTAL	4.7354E+04		8.4200E+03	

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M M M CURIES M M M

	A 773 ATMOSPHERIC		A 776 LIQUID TO SEEPAGE BASINS		C LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954					7.8000E-02	7.7104E-02
1955					7.2000E-02	1.4652E-01
1956					1.3200E-01	2.7366E-01
1957					2.4600E-01	5.1058E-01
1958					2.7720E+00	3.2391E+00
1959					4.7830E+00	7.8932E+00
1960					1.6880E+00	9.3737E+00
1961					4.8400E+00	1.3944E+01
1962					6.9000E-01	1.4308E+01
1963					2.4400E+00	1.6393E+01
1964					2.6000E-01	1.6276E+01
1965						1.5904E+01
1966					6.6000E-01	1.6193E+01
1967					5.0000E-02	1.5873E+01
1968					3.5400E+00	1.9010E+01
1969					9.7380E+00	2.8194E+01
1970					2.2010E-01	2.7768E+01
1971						2.7134E+01
1972					1.3980E-01	2.6651E+01
1973			9.6000E-04	9.4898E-04	3.7780E-01	2.6415E+01
1974				9.2731E-04	5.8000E-02	2.5869E+01
1975				9.0613E-04	5.7000E-02	2.5335E+01
1976				2.4572E-03	4.2100E-02	2.4798E+01
1977			1.5900E-03	4.2733E-03	5.8180E-03	2.4238E+01
1978			1.8940E-03	6.7805E-03	1.0000E-03	2.3684E+01
1979	2.6350E-03	2.6047E-03	2.6350E-03	8.6610E-03		2.3143E+01
1980		2.5453E-03	2.0590E-03	9.3456E-03	2.2000E-03	2.2615E+01
1981		2.4871E-03	1.0950E-03	1.0066E-02		2.2098E+01
1982		2.4303E-03	7.4700E-04	9.8362E-03		2.1594E+01
1983		2.3748E-03		9.6116E-03		2.1101E+01
1984		2.3266E-03		9.3921E-03		2.0619E+01
1985		2.2676E-03				
TOTAL	2.6350E-03		1.0980E-02		3.2872E+01	

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M M M CURIES M M M

	C 660 LIQUID TO SEEPAGE BASINS		F 291 ATMOSPHERIC		F 281 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955			1.5200E-01	1.5025E-01		
1956			8.4160E-02	2.3002E-01		
1957			9.2800E-03	2.3394E-01		
1958			8.1000E-03	2.3660E-01		
1959	8.8200E-01	8.7187E-01	1.1600E-01	2.9130E-01		
1960	3.8100E-01	1.2286E+00	1.1600E-01	3.9951E-01		
1961	1.2000E-01	1.3192E+00	2.3000E-02	4.1312E-01		
1962	2.3400E-02	1.3122E+00	9.0000E-03	4.1259E-01		
1963	2.9400E-01	1.5728E+00	9.9000E-03	4.1295E-01		
1964	2.0000E-02	1.5567E+00	5.1000E-02	4.5394E-01		
1965	8.0000E-03	1.5290E+00	9.8000E-03	4.5326E-01		
1966		1.4941E+00	7.8000E-03	4.5062E-01		
1967		1.4600E+00	6.0000E-03	4.4626E-01		
1968		1.4267E+00	7.0000E-03	4.4299E-01		
1969	6.5000E-02	1.4583E+00	8.7000E-03	4.4147E-01		
1970	1.0000E-02	1.4349E+00	9.8000E-03	4.4108E-01	1.1400E-01	1.1269E-01
1971		1.4021E+00	2.4800E-03	4.3346E-01	2.5200E-01	3.5922E-01
1972		1.3701E+00	4.6000E-04	4.2401E-01	2.1000E-02	4.2121E-01
1973		1.3388E+00	7.5000E-04	4.1507E-01	4.1900E-02	4.5301E-01
1974		1.3083E+00	9.2000E-04	4.0650E-01	3.4760E-02	4.7702E-01
1975		1.2784E+00	5.8600E-04	3.9780E-01	1.1640E-02	4.7764E-01
1976		1.2492E+00	7.0100E-04	3.8941E-01	1.4750E-02	4.8131E-01
1977		1.2207E+00	5.6100E-04	3.8107E-01	9.5700E-03	4.7978E-01
1978	2.0830E-03	1.1949E+00	1.5120E-03	3.7386E-01	2.2459E-02	4.9101E-01
1979	2.2100E-02	1.1894E+00	1.7930E-03	3.6730E-01	3.4910E-02	5.1431E-01
1980	7.8710E-03	1.1700E+00	1.9320E-03	3.6082E-01	2.4880E-02	5.2716E-01
1981	5.9300E-02	1.2019E+00	1.2920E-03	3.5386E-01	9.2020E-02	6.0609E-01
1982	3.8240E-02	1.2123E+00	6.9300E-04	3.4646E-01	1.6200E-02	6.0826E-01
1983	3.0960E-02	1.2152E+00	7.5800E-04	3.3930E-01	1.2500E-02	6.0673E-01
1984	1.1420E-03	1.1886E+00	1.6080E-03	3.3314E-01	9.9160E-03	6.0267E-01
1985	5.1060E-02	1.2119E+00	4.6340E-03	3.3011E-01	1.9510E-02	6.0202E-01
TOTAL	2.0161E+00		5.9342E-01		7.8201E-01	

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M M M CURIES M M M

	F 470 LIQUID TO SEEPAGE BASINS		H 291 ATMOSPHERIC		H 281 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	1.8200E-01	1.7991E-01	1.1950E+00	1.1813E+00		
1956	5.7200E-01	7.4123E-01	1.5530E-01	1.3078E+00		
1957	8.4620E-01	1.3608E+00	5.3410E-02	1.3307E+00		
1958	6.7000E-01	2.1875E+00	1.7800E-02	1.3180E+00		
1959	1.8000E+00	3.1260E+00	7.7000E-02	1.3640E+00		
1960	7.8000E+00	9.9742E+00	8.0000E-03	1.3407E+00		
1961	1.7740E+01	2.7283E+01	2.5000E-02	1.3348E+00		
1962	5.7080E+01	8.3084E+01	2.8000E-02	1.3320E+00		
1963	1.5380E+01	9.6390E+01	1.5300E-02	1.3167E+00		
1964	1.5480E+01	1.0949E+02	1.5700E-02	1.3022E+00		
1965	4.3800E+00	1.1132E+02	7.9000E-03	1.2803E+00		
1966	3.9580E+00	1.1268E+02	4.0400E-02	1.2910E+00		
1967	7.2380E+00	1.1726E+02	1.2100E-02	1.2734E+00		
1968	1.8980E+01	1.3334E+02	3.3300E-02	1.2773E+00		
1969	2.2510E+01	1.5255E+02	7.6600E-02	1.3238E+00		
1970	1.2900E+01	1.6182E+02	3.1700E-02	1.3249E+00	3.7800E-02	3.6575E-02
1971	4.8100E+00	1.6288E+02	6.8500E-03	1.3014E+00	4.4000E-02	7.9235E-02
1972	2.7200E+00	1.6185E+02	2.3970E-02	1.2954E+00	3.2000E-02	1.0906E-01
1973	4.1300E+00	1.6223E+02	1.8300E-03	1.2676E+00	1.7460E-02	1.2385E-01
1974	4.7200E+00	1.6319E+02	4.0000E-04	1.2391E+00	1.5890E-02	1.3671E-01
1975	9.7500E-01	1.6043E+02	4.7000E-04	1.2113E+00	7.9900E-03	1.4148E-01
1976	3.1000E-01	1.5707E+02	6.1500E-04	1.1842E+00	7.2100E-03	1.4538E-01
1977	6.1400E-01	1.5409E+02	1.3010E-03	1.1585E+00	8.0500E-03	1.5002E-01
1978	1.8320E+00	1.5160E+02	5.3200E-04	1.1325E+00	1.6080E-02	1.6249E-01
1979	6.0500E-01	1.4873E+02	7.4300E-04	1.1074E+00	1.3210E-02	1.7381E-01
1980	2.7500E-01	1.4561E+02	7.0000E-04	1.0828E+00	5.4000E-03	1.7518E-01
1981	6.3920E-01	1.4291E+02	1.7730E-03	1.0598E+00	6.9700E-03	1.7005E-01
1982	9.2230E-01	1.4056E+02	2.6800E-04	1.0359E+00	8.7800E-03	1.8461E-01
1983	7.3090E-01	1.3807E+02	2.3600E-04	1.0125E+00	1.1690E-01	2.9596E-01
1984	5.4900E-01	1.3546E+02	3.3600E-04	9.8968E-01	2.1160E-01	4.9837E-01
1985	2.8020E+00	1.3514E+02	5.4100E-04	9.6761E-01	9.5190E-03	4.9640E-01
TOTAL	2.1173E+02		1.8531E+00		5.6206E-01	

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M M M Curies M M M

	H 480 LIQUID TO SEEPAGE BASINS		H - DESORPTION FROM FOUR MILE CREEK STREAMBED		K LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	5.2000E-01	5.1403E-01			6.4000E-02	6.5242E-02
1956	1.0400E+00	1.5303E+00			1.4400E-01	2.0610E-01
1957	1.2740E+00	2.7548E+00			3.9000E-01	5.8691E-01
1958	5.6000E-01	3.2454E+00			1.8600E-01	7.5738E-01
1959	5.0000E-01	3.8656E+00			1.1520E+00	1.8789E+00
1960	1.0000E+00	4.5704E+00			3.5300E+00	5.3254E+00
1961	3.4500E+00	7.8764E+00			1.8000E+00	6.9831E+00
1962	7.7200E+00	1.5328E+01			4.5700E+00	1.1341E+01
1963	8.2500E+00	2.3113E+01			3.3100E+00	1.4354E+01
1964	4.9100E+00	2.7439E+01			5.6200E+00	1.9582E+01
1965	1.7060E+01	4.3677E+01			2.5000E+00	2.1606E+01
1966	1.2920E+01	5.5451E+01			2.0080E-02	2.1132E+01
1967	1.4590E+01	6.8607E+01	3.2000E+01	3.1633E+01	4.8000E-01	2.1124E+01
1968	1.0030E+01	7.6955E+01	2.0000E+00	3.2887E+01	8.0000E-02	2.0721E+01
1969	6.1200E+00	8.1248E+01	1.9000E+00	3.4014E+01		2.0248E+01
1970	2.4300E+00	8.1794E+01	5.0000E-01	3.3732E+01		1.9785E+01
1971	3.2400E+00	8.3129E+01	1.2000E+00	3.4148E+01	4.5100E-03	1.9338E+01
1972	3.5800E+00	8.6747E+01	5.0000E-01	3.4327E+01	3.0000E-02	1.8926E+01
1973	3.8000E+00	8.7534E+01	5.0000E-01	3.4066E+01	2.9000E-02	1.8523E+01
1974	2.7900E+00	8.8293E+01	1.0000E+00	3.4277E+01		1.8100E+01
1975	6.2250E+00	9.2430E+01	3.0000E-01	3.3701E+01	3.4200E-01	1.8024E+01
1976	8.0610E+00	9.8288E+01	1.5000E-01	3.3167E+01		1.7835E+01
1977	5.5460E+00	1.0153E+02	1.7000E-01	3.2578E+01	1.8440E-01	1.7395E+01
1978	9.2020E+00	1.0830E+02	1.5000E-01	3.1982E+01	2.8220E-04	1.6998E+01
1979	5.5570E+00	1.1132E+02	1.6200E-01	3.1412E+01	5.9000E-05	1.6609E+01
1980	1.4410E+00	1.1021E+02	1.2800E-01	3.0821E+01	2.4500E-03	1.6233E+01
1981	1.8550E+00	1.0952E+02	6.6530E-02	3.0183E+01		1.5842E+01
1982	1.7900E+00	1.0879E+02	1.3500E-01	2.9627E+01		1.5500E+01
1983	2.4760E+00	1.0876E+02	1.8170E-02	2.8969E+01		1.5146E+01
1984	5.2030E+00	1.1141E+02	1.7000E-02	2.8324E+01		1.4800E+01
1985	3.2830E+00	1.1212E+02	7.0000E-02	2.7747E+01		1.4462E+01
TOTAL	1.5740E+02		4.1467E+01		2.4442E+01	

ISOTOPE
CS-137

M M M Curies M M M

	K 650 LIQUID TO SEEPAGE BASINS		K 904-88G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955					1.6800E-01	1.6607E-01
1956					3.0000E-01	4.5883E-01
1957					7.1400E-01	1.1542E+00
1958					6.3600E-01	1.7565E+00
1959	1.2000E-01	1.1862E-01			1.5960E+00	3.2941E+00
1960	1.8600E-02	1.3430E-01			5.2100E+00	8.3690E+00
1961		1.3123E-01			9.6000E-01	9.1269E+00
1962		1.2824E-01			1.3400E+00	1.0243E+01
1963		1.2531E-01			8.9000E-01	1.0889E+01
1964		1.2245E-01			7.7400E+00	1.8291E+01
1965		1.1965E-01			1.3300E+00	1.9188E+01
1966		1.1692E-01			9.3000E-01	1.9670E+01
1967		1.1425E-01			6.8000E-01	1.9893E+01
1968		1.1164E-01	1.0000E-02	9.8852E-03	2.2000E-01	1.9656E+01
1969		1.0909E-01	2.6700E+00	2.6498E+00	3.4400E+00	2.2807E+01
1970		1.0660E-01	8.1200E+00	1.0613E+01	3.1800E+00	2.5235E+01
1971		1.0416E-01	5.8000E-01	1.0946E+01		2.4658E+01
1972		1.0179E-01	5.4000E-01	1.1230E+01		2.4095E+01
1973		9.9461E-02	1.3400E-01	1.1106E+01		2.3545E+01
1974		9.7190E-02	8.1800E-02	1.0933E+01		2.3007E+01
1975		9.4971E-02	8.4000E-02	1.0766E+01		2.2482E+01
1976		9.2802E-02	4.2000E-01	1.0935E+01		2.1969E+01
1977		9.0683E-02	8.2330E-02	1.0767E+01		2.1467E+01
1978		8.8612E-02	2.9560E-02	1.0550E+01		2.0977E+01
1979		8.6589E-02	2.1030E-02	1.0330E+01		2.0498E+01
1980		8.4611E-02	5.3050E-02	1.0147E+01		2.0030E+01
1981		8.2679E-02	2.1900E-02	9.9366E+00	5.5210E-02	1.9627E+01
1982		8.0791E-02	1.4170E-02	9.7237E+00	5.5900E-04	1.9179E+01
1983		7.8946E-02	3.2130E-02	9.5334E+00	4.4600E-04	1.8742E+01
1984		7.7143E-02	2.2750E-02	9.3362E+00	1.0000E-06	1.8314E+01
1985		7.5382E-02	1.1770E-02	9.1366E+00		1.7895E+01
TOTAL	1.3860E-01		1.2928E+01		2.9390E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
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*** CURIES ***

	L 64G LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954					1.6800E-01	1.4607E-01
1955					3.9000E-01	5.4780E-01
1956					1.1280E+00	1.6503E+00
1957					5.3400E-01	2.1405E+00
1958	1.8600E-01	1.8386E-01			7.2000E-01	2.8034E+00
1959	2.4000E-02	2.0339E-01			4.8100E+00	7.4941E+00
1960	3.3000E-02	2.3137E-01	1.5780E-01	1.5599E-01	4.2100E+00	1.1485E+01
1961	1.2000E-04	2.2620E-01	1.2660E-01	2.7757E-01	1.3680E+01	2.4745E+01
1962	1.8000E-04	2.2121E-01	9.2400E-01	1.1846E+00	9.0300E+00	3.3107E+01
1963	8.3800E-01	1.0643E+00	6.0000E-02	1.2169E+00	4.5600E+01	7.7427E+01
1964	2.0000E-02	1.0398E+00	3.4000E-01	1.5252E+00	2.9760E+01	1.0508E+02
1965		1.0356E+00	5.0000E-03	1.4953E+00	3.5730E+01	1.3800E+02
1966		1.0119E+00	4.0000E-03	1.4651E+00	4.5090E+01	1.7942E+02
1967	4.0000E-03	9.9277E-01		1.4317E+00	4.1110E+01	2.1596E+02
1968		9.7010E-01		1.3990E+00	1.3070E+01	2.2395E+02
1969		9.4795E-01		1.3670E+00	7.7000E+00	2.2645E+02
1970		9.2630E-01		1.3361E+00	1.3400E+00	2.2260E+02
1971		9.0515E-01	3.0000E-04	1.3056E+00	1.7000E-01	2.1780E+02
1972		8.8448E-01		1.2758E+00	1.9000E-01	2.1290E+02
1973		8.6428E-01		1.2466E+00	7.2000E-02	2.0811E+02
1974		8.4455E-01		1.2201E+00	4.0000E-02	2.0340E+02
1975		8.2526E-01	2.0000E-03	1.1923E+00	7.4000E-02	1.9883E+02
1976		8.0642E-01		1.1655E+00	9.3900E-02	1.9438E+02
1977		7.8800E-01	4.0500E-04	1.1389E+00	1.9900E-02	1.8996E+02
1978		7.7001E-01	4.3070E-05	1.1137E+00		1.8562E+02
1979		7.5242E-01	8.6400E-04	1.0883E+00		1.8132E+02
1980		7.3524E-01		1.0634E+00		1.7724E+02
1981		7.1845E-01		1.0392E+00		1.7319E+02
1982		7.0205E-01		1.0154E+00		1.6924E+02
1983		6.8602E-01		9.9224E-01		1.6537E+02
1984		6.7035E-01		9.6958E-01		1.6160E+02
1985	1.5000E-04	6.5519E-01				
TOTAL	1.1254E+00		1.6210E+00		2.5473E+02	

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*** CURIES ***

	P 610 LIQUID TO SEEPAGE BASINS		R LIQUID TO STREAMS		R 600 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954			1.8000E-01	1.7793E-01		
1955			1.9200E-01	3.6366E-01		
1956			9.1200E-01	1.2569E+00		
1957	1.9200E-01	1.8980E-01	4.6950E+01	4.7639E+01	7.8800E+02	7.7895E+02
1958	6.0000E-03	1.9139E-01	1.6200E+00	4.8153E+01	9.9000E+01	8.5903E+02
1959	1.7940E+01	1.7921E+01	1.6980E+00	4.8731E+01	1.3000E+01	8.5226E+02
1960	3.6600E-01	1.7874E+01	1.6470E+01	6.3900E+01		8.3280E+02
1961	1.9840E-01	1.7642E+01	1.0300E+01	7.2622E+01		8.1378E+02
1962	8.9400E-02	1.7347E+01	1.1160E+01	8.3973E+01	4.8000E-03	7.9520E+02
1963		1.6951E+01	8.3440E+01	1.6454E+02	6.0000E-03	7.7705E+02
1964	2.8000E-02	1.6583E+01	4.7140E+01	2.0738E+02	8.1000E-01	7.6011E+02
1965	7.8000E-03	1.6212E+01		2.0264E+02		7.4275E+02
1966	1.8000E-03	1.5842E+01		1.9802E+02		7.2579E+02
1967		1.5481E+01		1.9349E+02		7.0921E+02
1968	2.8000E-01	1.5404E+01		1.8908E+02		6.9302E+02
1969		1.5052E+01		1.8474E+02		6.7719E+02
1970	3.0000E-02	1.4738E+01		1.8054E+02		6.6173E+02
1971		1.4401E+01		1.7642E+02		6.4662E+02
1972		1.4073E+01		1.7239E+02		6.3185E+02
1973		1.3751E+01		1.6845E+02		6.1742E+02
1974		1.3437E+01		1.6460E+02		6.0333E+02
1975		1.3130E+01		1.6085E+02		5.8955E+02
1976		1.2831E+01		1.5717E+02		5.7609E+02
1977		1.2538E+01		1.5358E+02		5.6293E+02
1978	2.4730E-02	1.2276E+01		1.5008E+02		5.5008E+02
1979	7.2570E-03	1.2003E+01		1.4665E+02		5.3751E+02
1980	1.4850E-02	1.1743E+01		1.4330E+02		5.2524E+02
1981	7.3280E-02	1.1547E+01		1.4003E+02		5.1325E+02
1982	5.5330E-02	1.1338E+01		1.3683E+02		5.0153E+02
1983	2.5790E-02	1.1105E+01		1.3371E+02		4.9007E+02
1984	1.2820E-01	1.0978E+01		1.3065E+02		4.7888E+02
1985	5.0180E-02	1.0777E+01		1.2767E+02		4.6795E+02
TOTAL	1.9510E+01		2.2204E+02		9.0082E+02	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
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*** Curies ***

CENTRAL SHOPS (FORD BUILDING)
LIQUID TO SEEPAGE BASINS

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973		
1974		
1975		
1976		
1977		
1978		
1979		
1980	5.7000E-06	2.9655E-06
1981	1.4000E-05	1.6737E-05
1982	4.5000E-05	6.0838E-05
1983	1.1300E-04	1.7115E-04
1984	7.0000E-05	2.3644E-04
1985		2.3104E-04
TOTAL	2.4500E-04	

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*** Curies ***

D 400
LIQUID TO STREAMS

	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973		
1974	1.1000E-04	1.0674E-04
1975	2.5200E-03	2.6062E-03
1976	9.8700E-04	3.5224E-03
1977	1.7500E-04	3.6149E-03
1978	1.6400E-04	3.6945E-03
1979	2.7800E-04	3.8849E-03
1980	3.1000E-04	4.1036E-03
1981		4.0099E-03
1982		3.9184E-03
1983	1.0860E-03	4.9024E-03
1984	1.2810E-03	6.0563E-03
1985		5.9184E-03
TOTAL	6.9210E-03	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
BA-LA-140

*** CURIES ***

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		K LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	3.2300E+00	1.6206E-04			7.7400E+00	3.8835E-04
1961	4.2400E+00	2.1274E-04			2.7200E+00	1.3647E-04
1962	6.3000E-01	3.1610E-05			2.9200E+00	1.4651E-04
1963	1.4600E+00	7.3255E-05			1.4600E+00	7.3255E-05
1964	3.0000E-01	1.5052E-05			1.8000E-01	9.0314E-06
1965	9.2000E-01	4.6161E-05			4.8100E+00	2.4134E-04
1966	9.8000E-01	4.9171E-05	1.4000E-01	7.0244E-06		
1967	1.9500E+00	9.7840E-05			1.4400E+00	7.2251E-05
1968	4.7000E-01	2.3582E-05	3.0000E-02	1.5052E-06	6.7300E+00	3.3767E-04
1969	2.5000E-01	1.2544E-05				
1970	3.2000E-01	1.6056E-05	1.3000E-01	6.5227E-06		
1971	1.3000E-01	6.5227E-06				
1972						
1973						
1974						
1975						
1976						
1977						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985						
TOTAL	1.4880E+01		3.8000E-01		2.8060E+01	

ISOTOPE
BA-LA-140

*** CURIES ***

	K 904-86G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS		L 640 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960			3.5600E+00	1.7862E-04		
1961			6.7800E+00	3.4018E-04		
1962			7.8100E+00	3.9186E-04		
1963			6.9000E+00	3.4620E-04		
1964			3.4290E+01	1.7205E-03	3.2000E-01	1.6056E-05
1965			4.4100E+00	2.2127E-04		
1966			5.8000E-01	2.9101E-05		
1967			3.2000E-01	1.6056E-05		
1968	3.2030E+01	1.6071E-03			6.7000E-01	3.3617E-05
1969	1.7790E+01	8.9261E-04				
1970	1.1210E+01	5.6246E-04				
1971	1.3000E-02	5.0173E-07				
1972						
1973						
1974						
1975						
1976						
1977						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985						
TOTAL	6.1090E+01		6.4650E+01		9.9000E-01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
BA-LA-140

M M M CURIES M M M

	L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS		P 610 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960			3.7200E+00	1.8665E-04		
1961			2.6200E+00	1.3146E-04		
1962			5.4490E+01	2.7340E-03		
1963			9.1400E+00	4.5860E-04		
1964	8.0000E-02	4.0140E-06	1.0000E-02	5.0175E-07		
1965						
1966						
1967			5.4000E-01	2.7094E-05	1.6000E-03	
1968			1.7500E+00	8.7806E-05	2.3000E-01	1.1540E-05
1969	1.0000E-03		1.0500E+00	5.2683E-05		
1970						
1971	3.0000E-04					
1972						
1973						
1974						
1975						
1976						
1977						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985						
TOTAL	8.1300E-02		7.3320E+01		2.3100E-01	

ISOTOPE
BA-LA-140

M M M CURIES M M M

	R LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960	2.5100E+00	1.2594E-04
1961	1.6900E+00	8.4795E-05
1962	2.0600E+00	1.0336E-04
1963	3.3120E+01	1.6618E-03
1964	1.5200E+00	7.6265E-05
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973		
1974		
1975		
1976		
1977		
1978		
1979		
1980		
1981		
1982		
1983		
1984		
1985		
TOTAL	4.0900E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
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*** CURIES ***

	F 291 ATMOSPHERIC		F 470 LIQUID TO SEEPAGE BASINS		H 291 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971	1.8300E-03	3.9729E-03	2.0000E-02	4.3419E-04	1.8980E-02	4.1205E-04
1972	4.0000E-04	8.7026E-06	4.0000E-02	8.6859E-04	1.3030E-02	2.8307E-04
1973	4.5000E-04	9.7734E-06		4.0937E-07	3.4000E-03	7.3946E-05
1974	9.3000E-04	2.0193E-05			5.0000E-05	1.1203E-06
1975	1.8500E-04	4.0258E-06	1.0000E-03	2.1710E-05	9.8000E-05	2.1281E-06
1976	1.6500E-04	3.5840E-06			3.2000E-05	6.9571E-07
1977	2.0800E-04	4.5173E-06			1.4200E-04	3.0831E-06
1978	8.4000E-05	1.8257E-06	1.7680E-04	3.8383E-06	4.5000E-05	9.7838E-07
1979	1.6200E-04	3.5178E-06	2.0000E-03	4.3421E-05	3.0000E-06	
1980	1.1100E-04	2.4114E-06				
1981	2.5600E-04	5.3588E-06			5.9000E-05	1.2809E-06
1982	3.8000E-04	8.2523E-06	4.0890E-03	8.8771E-05	4.0000E-05	8.6899E-07
1983	4.2500E-04	9.2305E-06			4.5000E-05	9.7734E-07
1984	8.3200E-04	1.8867E-05	3.8000E-03	6.5129E-05	6.0000E-06	1.3072E-07
1985	3.6490E-03	7.9227E-05			4.0000E-06	
TOTAL	1.0067E-02		7.0266E-02		3.5934E-02	

ISOTOPE
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*** CURIES ***

	H 480 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971	3.8000E-01	8.2497E-03
1972	8.8000E-01	1.9108E-02
1973	1.1500E+00	2.4975E-02
1974	1.1000E-01	2.3998E-03
1975	1.5000E-02	3.2678E-04
1976	2.4000E-02	5.2118E-04
1977	1.8000E-02	3.9102E-04
1978	2.6120E-02	5.6724E-04
1979	1.2000E-02	2.6078E-04
1980		1.2291E-07
1981		
1982	2.4940E-03	5.4144E-05
1983	5.9030E-03	1.2818E-04
1984		
1985		
TOTAL	2.4233E+00	

* SEE CE-141-144 FOR DATA PRIOR TO 1971

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	F 291 ATMOSPHERIC		F 470 LIQUID TO SEEPAGE BASINS		H 291 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971	1.7310E-02	1.1087E-02	1.5600E+00	9.9919E-01	1.1530E-01	7.3850E-02
1972	4.1500E-03	7.2065E-03	3.5000E-01	6.3409E-01	3.2500E-01	2.3846E-01
1973	8.9000E-03	8.6569E-03	3.1000E-01	4.5869E-01	3.0060E-02	1.1708E-01
1974	1.7570E-02	1.4805E-02	1.9000E-01	3.0987E-01	4.3000E-03	5.0786E-02
1975	8.4320E-03	1.1474E-02	1.8900E-01	2.4818E-01	7.6980E-03	2.5765E-02
1976	6.5560E-03	8.9065E-03	9.0000E-03	1.0758E-01	4.7850E-03	1.3635E-02
1977	4.7580E-03	6.7014E-03	3.7000E-02	6.7832E-02	1.0070E-02	1.2044E-02
1978	1.0290E-02	9.3400E-03	4.8030E-02	5.8591E-02	3.8740E-03	7.4234E-03
1979	1.5370E-02	1.3676E-02	2.2902E-01	1.7071E-01	2.3650E-03	4.5602E-03
1980	1.1480E-02	1.2964E-02	1.5000E-02	7.9641E-02	4.0570E-03	4.4693E-03
1981	1.2620E-02	1.3401E-02	6.6740E-01	4.6014E-01	1.3810E-02	1.0679E-02
1982	4.7040E-03	8.5108E-03	6.8330E-02	2.3254E-01	3.1450E-03	6.3953E-03
1983	6.2660E-03	7.5049E-03	1.2500E-02	1.0340E-01	2.6140E-03	4.2979E-03
1984	1.1310E-02	1.0333E-02	6.4000E-02	8.3413E-02	1.9390E-03	3.0051E-03
1985	4.7660E-02	3.4761E-02	1.7100E-01	1.4375E-01	3.3900E-03	3.4042E-03
TOTAL	1.8738E-01		3.9203E+00		5.3241E-01	

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*** CURIES ***

	H 480 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971	1.5400E+00	9.8638E-01
1972	1.3900E+00	1.2950E+00
1973	3.3900E+00	2.7026E+00
1974	1.9100E+00	2.3321E+00
1975	1.2560E+00	1.7612E+00
1976	4.6700E-01	1.0216E+00
1977	2.6900E-01	5.9142E-01
1978	2.1120E+00	1.5954E+00
1979	2.4520E+01	1.6360E+01
1980	3.6700E-01	6.9465E+00
1981	2.1900E+00	4.2525E+00
1982	5.8780E-01	2.1210E+00
1983	3.4200E-01	1.0892E+00
1984	1.3000E-02	4.5517E-01
1985	1.7000E-02	1.9762E-01
TOTAL	4.0371E+01	

* SEE CE-141-144 FOR DATA PRIOR TO 1971

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		D 400 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	3.4900E+03	2.2354E+00				
1961	5.9300E+00	4.7152E+00				
1962	3.9000E-01	2.1842E+00				
1963	2.5200E+00	2.5101E+00				
1964	2.4700E+00	2.6118E+00	2.5000E-01	1.6013E-01		
1965	1.1900E+00	1.8337E+00	2.0000E-02	7.8501E-02		
1966	7.8000E-01	1.2519E+00	4.0000E-03	3.4767E-02		
1967	2.6300E+00	2.1981E+00		1.4263E-02	1.7000E-01	1.0889E-01
1968	1.4190E+01	9.9905E+00	2.0000E-02	1.8661E-02		4.4670E-02
1969	1.6600E+00	5.1618E+00		7.6557E-03		1.8326E-02
1970	2.3300E+00	3.6100E+00	6.0000E-02	4.1571E-02	6.8000E-03	1.1361E-02
1971	2.4310E+00	3.0380E+00		1.7054E-02	2.8000E-02	2.2595E-02
1972	1.0000E-02	1.2527E+00		6.9964E-03	3.2000E-02	2.9766E-02
1973	4.2000E-02	5.4083E-01		2.8703E-03	3.8940E-02	3.2028E-02
1974	1.3000E-01	3.0514E-01		1.1775E-03		1.3139E-02
1975	3.0000E-03	1.2710E-01		4.8307E-04		5.3904E-03
1976	7.0000E-03	5.6627E-02		1.9818E-04		2.2114E-03
1977	1.2800E-04	2.3313E-02		8.1301E-05		9.0721E-04
1978	2.1450E-04	9.7014E-03	9.0450E-04	6.1269E-04		3.7218E-04
1979		3.9800E-03	1.0300E-04	3.1732E-04		1.5268E-04
1980		1.6328E-03	1.1770E-02	7.6689E-03		6.2638E-05
1981		6.6983E-04	2.5870E-03	4.8031E-03		2.5697E-05
1982		2.7480E-04	6.7800E-04	2.4047E-03		1.0542E-05
1983		1.1273E-04	1.1110E-02	8.1025E-03		4.3248E-06
1984		4.6248E-05	7.6730E-03	8.2386E-03		1.7742E-06
1985		1.8973E-05	1.2410E-02	1.1328E-02		7.2788E-07
TOTAL	4.0203E+01		4.0124E-01		2.6694E-01	

ISOTOPE
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*** CURIES ***

	F 291 ATMOSPHERIC		F 470 LIQUID TO SEEPAGE BASINS		H 291 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	1.5900E-01	1.0184E-01	7.7800E+01	4.9831E+01	8.4000E-02	5.3802E-02
1961	1.7400E-01	1.5323E-01	3.3000E+01	4.1580E+01	1.1000E-01	9.2528E-02
1962	5.5600E-02	9.8473E-02	9.4600E+00	2.3117E+01	1.5600E-01	1.3845E-01
1963	9.5900E-02	1.0182E-01	2.2520E+01	2.3900E+01	1.4500E-01	1.4865E-01
1964	1.8130E-01	1.5790E-01	1.9120E+01	2.2054E+01	1.3800E-01	1.4995E-01
1965	1.5250E-01	1.4245E-01	2.8480E+01	2.7289E+01	8.8300E-02	1.1807E-01
1966	6.6000E-02	1.0892E-01	2.4200E+00	1.2745E+01	1.0870E-01	1.1806E-01
1967	2.8900E-02	6.3194E-02	1.3300E+00	6.0806E+00	4.4200E-02	8.9554E-02
1968	3.2300E-02	4.4613E-02	2.0200E+00	3.7881E+00	5.1800E-02	3.6852E-02
1969	2.9400E-02	3.7954E-02	2.1900E+00	2.9549E+00	7.0770E-02	6.5187E-02
1970	4.1400E-02	4.2087E-02	3.4700E+00	3.4356E+00	1.8.40E-01	3.8746E-01
1971		1.7266E-02		1.4094E+00		1.5895E-01
1972		7.0833E-03		5.7821E-01		6.5209E-02
1973		2.9059E-03		2.3721E-01		2.6752E-02
1974		1.1921E-03		9.7314E-02		1.0975E-02
1975		4.8907E-04		3.9923E-02		4.5023E-03
1976		2.0064E-04		1.6378E-02		1.8471E-03
1977		8.2310E-05		6.7190E-03		7.5775E-04
1978		3.3767E-05		2.7564E-03		3.1086E-04
1979		1.3853E-05		1.1308E-03		1.2753E-04
1980		5.6831E-06		4.6391E-04		5.2319E-05
1981		2.3315E-06		1.9032E-04		2.1463E-05
1982		9.5647E-07		7.8077E-05		8.8053E-06
1983		3.9239E-07		3.2031E-05		3.6123E-06
1984		1.6098E-07		1.3140E-05		1.4819E-06
1985				5.3908E-06		6.0796E-07
TOTAL	1.0163E+00		2.0181E+02		2.3815E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	H 480 LIQUID TO SEEPAGE BASINS		K LIQUID TO STREAMS		K 650 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	5.4000E+00	3.4587E+00	2.2340E+01	1.4309E+01		
1961	6.6700E+00	5.6911E+00	7.6500E+00	1.0770E+01		
1962	2.6500E+00	4.0321E+00	4.4500E+00	7.2686E+00		
1963	8.0900E+00	6.8358E+00	1.8000E+00	4.1348E+00		
1964	7.7900E+00	7.7939E+00	2.6100E+00	3.3680E+00		
1965	1.2390E+01	1.1133E+01	1.0150E+01	7.8828E+00	1.6000E-01	1.0248E-01
1966	1.8000E-01	4.6827E+00	4.0000E-01	3.4901E+00		4.2842E-02
1967	1.0600E+00	2.6000E+00	3.2600E+00	3.5198E+00		1.7248E-02
1968	1.1800E+00	1.8224E+00	1.3340E+01	9.9883E+00		7.0757E-03
1969	2.6500E+00	2.4450E+00	2.0000E-02	4.1105E+00		2.9028E-03
1970	3.1500E+00	3.0206E+00		1.6863E+00		1.1909E-03
1971		1.2392E+00	9.2000E-04	6.9239E-01		4.8854E-04
1972		5.0837E-01		2.8405E-01		2.0042E-04
1973		2.0856E-01	9.0000E-03	1.2229E-01		8.2222E-05
1974		8.5560E-02		5.0170E-02		3.3731E-05
1975		3.5101E-02	2.3000E-02	3.5314E-02		1.3838E-05
1976		1.4400E-02		1.4487E-02		5.6770E-06
1977		5.9875E-03	1.4320E-01	9.7663E-02		2.3290E-06
1978		2.4235E-03		4.0066E-02		9.5545E-07
1979		9.9423E-04		1.6437E-02		3.9197E-07
1980		4.0788E-04		6.7431E-03		1.6080E-07
1981		1.6733E-04		2.7663E-03		
1982		6.8447E-05		1.1349E-03		
1983		2.8162E-05		4.6556E-04		
1984		1.1553E-05		1.9100E-04		
1985		4.7397E-06		7.8357E-05		
TOTAL	5.1210E+01		6.6196E+01		1.6000E-01	

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M M M CURIES M M M

	K 904-80G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS		L 640 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960			9.0300E+00	5.7838E+00		
1961			1.8990E+01	1.4536E+01		
1962			3.2500E+00	8.0449E+00		
1963			6.4600E+00	7.4381E+00		
1964			7.1820E+01	4.9052E+01	2.0400E+00	1.3066E+00
1965			1.9058E+01	3.2325E+01		5.3604E-01
1966			1.8250E+01	2.4950E+01		2.1991E-01
1967			1.0230E+01	1.6788E+01	8.8800E-01	6.5386E-01
1968	3.2960E+01	2.1111E+01	3.5800E+00	9.1803E+00	3.1000E-01	4.6680E-01
1969	7.8000E+00	1.3657E+01	2.7000E-01	3.9391E+00	4.0000E-03	1.9406E-01
1970	4.2600E+00	8.3311E+00		1.6160E+00		7.9614E-02
1971	8.0000E-02	3.4690E+00		6.6295E-01		3.2661E-02
1972	2.1000E-01	1.5577E+00		2.7197E-01		1.3399E-02
1973	1.8300E-01	7.5674E-01		1.1158E-01		5.4969E-03
1974	2.4400E-01	4.4653E-01		4.5774E-02		2.2531E-03
1975	4.0000E-03	1.9395E-01		1.8778E-02		9.2514E-04
1976	6.9000E-02	1.2376E-01		7.7037E-03		3.7933E-04
1977	5.7840E-02	4.7820E-02		3.1604E-03		1.5570E-04
1978	4.5540E-02	6.5196E-02		1.2965E-03		6.3876E-05
1979	2.8280E-02	4.4860E-02		5.3190E-04		2.6205E-05
1980	1.4770E-02	2.7864E-02		2.1821E-04		1.0750E-05
1981	5.4000E-03	1.4890E-02		8.9520E-05		4.4103E-06
1982	8.1500E-04	6.6304E-03		3.6725E-05		1.8093E-06
1983	2.1570E-03	4.1017E-03		1.5066E-05		7.4226E-07
1984	8.6900E-04	2.2393E-03		6.1809E-06		3.0431E-07
1985	2.4560E-02	1.4649E-02		2.3357E-06	2.7000E-05	1.7419E-05
TOTAL	4.5990E+01		1.6093E+02		3.2340E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS		P 61G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960			2.5100E+00	1.4077E+00		
1961			1.2200E+00	1.4410E+00		
1962			1.1850E+01	8.1811E+00		
1963			5.9900E+00	7.1929E+00		
1964	1.1400E+00	7.3017E-01	2.0400E+00	4.2703E+00	2.0000E-02	1.2810E-02
1965	2.0500E+00	1.6146E+00	8.8800E-01	2.3206E+00		5.2553E-03
1966	2.8000E-01	8.4090E-01	1.7000E-01	1.0609E+00		2.1560E-03
1967	2.0000E-02	3.5778E-01	5.9000E-01	8.1313E-01		8.6447E-04
1968	1.4000E-01	2.3645E-01	3.5300E+00	2.5946E+00	1.2000E-01	7.7223E-02
1969	7.0000E-03	1.0149E-01	3.5000E+00	3.3062E+00		3.1680E-02
1970	2.0000E-03	4.2915E-02	3.8000E-01	1.5997E+00		1.2997E-02
1971	4.0000E-03	2.0168E-02	8.5000E-04	6.5683E-01		5.3319E-03
1972	9.0000E-02	6.5919E-02		2.6946E-01		2.1874E-03
1973		2.7843E-02	6.5000E-02	1.5218E-01		8.9736E-04
1974		1.1094E-02	2.3000E-02	7.7162E-02		3.6814E-04
1975	1.0000E-03	5.1919E-03	1.3000E-02	3.9982E-02		1.5103E-04
1976		2.1299E-03	2.0000E-03	1.7683E-02		6.1958E-05
1977	2.3200E-04	1.0224E-03	5.8700E-04	7.6305E-03		2.5418E-05
1978		4.1943E-04	7.4710E-04	3.6089E-03	6.9890E-04	4.5808E-04
1979		1.7207E-04		1.4805E-03	6.6600E-04	6.1450E-04
1980		7.0591E-05		6.0738E-04	1.0540E-02	7.0030E-03
1981		2.8960E-05		2.4917E-04	2.6800E-04	3.0446E-03
1982		1.1881E-05		1.0222E-04	6.6990E-03	5.5398E-03
1983		4.8759E-06		4.1936E-05	8.9570E-03	8.0097E-03
1984		1.9995E-06		1.7204E-05	5.6220E-03	6.8868E-03
1985		8.2029E-07		7.0579E-06	5.6590E-02	3.9071E-02
TOTAL	5.7342E+00		3.2793E+01		2.3004E-01	

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M M M CURIES M M M

	R LIQUID TO STREAMS		R 60G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954				
1955				
1956				
1957				
1958				
1959				
1960	3.3600E+00	2.1521E+00		
1961	2.0300E+00	2.1831E+00		
1962	2.6800E+00	2.6122E+00		
1963	3.3540E+01	2.2554E+01		
1964	8.4300E+00	1.4652E+00	1.0000E-02	6.4050E-03
1965		6.0110E+00		2.6276E-03
1966		2.4668E+00		1.0780E-03
1967		1.6117E+00		4.4223E-04
1968		4.1983E-01		1.8142E-04
1969		1.7026E-01		7.4429E-05
1970		6.9849E-02		3.8554E-05
1971		2.8655E-02		1.2526E-05
1972		1.1756E-02		5.1369E-06
1973		4.8227E-03		2.1082E-06
1974		1.9785E-03		8.6488E-07
1975		8.1167E-04		3.5481E-07
1976		3.3298E-04		1.4356E-07
1977		1.3661E-04		
1978		5.6842E-05		
1979		2.2991E-05		
1980		9.4319E-06		
1981		3.8694E-06		
1982		1.5874E-06		
1983		6.5122E-07		
1984		2.6716E-07		
1985		1.0960E-07		
TOTAL	5.0040E+01		1.0000E-02	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
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M M M CURIES M M M

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		D 400 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	2.6000E-02	2.2785E-02				
1956	2.4000E-02	3.8530E-02				
1957	4.4000E-02	6.8149E-02				
1958	8.2000E-02	1.2420E-01				
1959	9.2400E-01	9.0512E-01	2.9400E-01	2.5764E-01		
1960	5.2000E-01	1.1508E+00	1.2700E-01	3.0916E-01		
1961	1.1000E+00	1.8478E+00	4.0000E-02	2.7248E-01		
1962	1.5500E+00	2.7774E+00	7.8000E-03	2.1609E-01		
1963	6.2000E-01	2.6763E+00	9.8000E-02	2.5183E-01		
1964	1.8000E-01	2.2130E+00	2.0000E-01	3.6867E-01		
1965	2.5400E+00	3.9285E+00		2.8313E-01		
1966	1.4900E+00	4.3204E+00		2.1744E-01		
1967	3.3900E+00	6.2887E+00		1.6698E-01		
1968	5.4600E+00	9.6144E+00		1.2824E-01		
1969	4.1100E+00	1.0985E+01		9.8485E-02		
1970	1.2800E+00	9.5582E+00		7.5634E-02		
1971	7.5000E-01	7.9977E+00		5.8085E-02		
1972		6.1420E+00		4.4607E-02		
1973	5.2000E-02	4.7623E+00		3.4257E-02	7.2000E-04	6.3097E-04
1974	2.8000E-02	3.6820E+00		2.6309E-02		4.8456E-04
1975	1.6000E-02	2.8417E+00		2.0204E-02		3.7213E-04
1976	3.3000E-02	2.2113E+00		1.5516E-02		2.8579E-04
1977	2.3770E-03	1.7003E+00		1.1916E-02		2.1948E-04
1978	8.3830E-04	1.3065E+00	2.7470E-04	9.3921E-03		1.6855E-04
1979		1.0034E+00	1.2060E-03	8.2697E-03		1.2944E-04
1980		7.7053E-01	4.4500E-04	6.7409E-03		9.9410E-05
1981		5.9176E-01	1.4600E-03	6.4563E-03		7.6344E-05
1982		4.5446E-01	3.5940E-03	8.1078E-03		5.8630E-05
1983		3.4901E-01		6.2264E-03		4.5026E-05
1984		2.6803E-01	1.1070E-03	5.7520E-03		3.4579E-05
1985		2.0584E-01	6.4400E-04	4.9817E-03		2.6556E-05
TOTAL	2.4222E+01		7.7553E-01		7.2000E-04	

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M M M CURIES M M M

	F 470 LIQUID TO SEEPAGE BASINS		H 480 LIQUID TO SEEPAGE BASINS		K LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	7.0000E-01	6.1344E-01	6.8000E-01	5.9591E-01	2.2000E-02	1.9280E-02
1956	2.2000E+00	2.3991E+00	1.3600E+00	1.6495E+00	4.8000E-02	5.6871E-02
1957	1.2500E+00	2.9378E+00	1.2000E+00	2.3184E+00	1.3000E-01	1.5760E-01
1958	1.6300E+00	3.6846E+00	1.5440E+00	3.1335E+00	6.2000E-02	1.7537E-01
1959	6.8240E+00	8.8098E+00	6.7560E+00	8.3270E+00	3.8400E-01	4.7119E-01
1960	1.9740E+01	2.4063E+01	1.2920E+00	7.5272E+00	2.7200E+00	2.7455E+00
1961	5.1320E+00	2.2978E+01	1.2770E+00	6.8997E+00	1.8500E+00	3.0286E+00
1962	1.1410E+01	2.7646E+01	2.6930E+00	7.6588E+00	1.7900E+00	3.8946E+00
1963	9.8760E+00	2.9886E+01	3.9880E+00	9.3766E+00	6.7000E-01	3.5781E+00
1964	2.8680E+01	4.8085E+01	2.3030E+00	9.2192E+00	1.4000E-01	2.8705E+00
1965	1.0560E+01	4.6182E+01	2.5700E+00	9.3323E+00	3.0100E+00	4.8423E+00
1966	3.3500E+00	3.8402E+01	1.5500E+00	8.5253E+00	1.2300E+00	4.7966E+00
1967	1.4200E+00	3.0736E+01	9.7000E-01	7.3972E+00	5.1900E+00	8.1881E+00
1968	2.5400E+00	2.5831E+01	4.5400E+00	9.6595E+00	2.7000E+00	8.6544E+00
1969	2.7500E+00	2.2247E+01	3.8100E+00	1.0757E+01	2.1600E+00	8.5392E+00
1970	2.4600E+00	1.9241E+01	1.1300E+00	9.2514E+00	6.8000E-01	7.1588E+00
1971	1.1500E+00	1.5784E+01	1.0300E+00	8.0075E+00	3.0000E-02	5.5202E+00
1972	5.0000E-01	1.2560E+01	1.3000E+00	7.2888E+00	2.0000E-02	4.2569E+00
1973	5.9000E-01	1.0143E+01	1.4300E+00	6.8507E+00	4.0000E-03	3.2727E+00
1974	3.6000E-01	8.1203E+00	7.6000E-01	5.9272E+00		2.5133E+00
1975	1.8600E-01	6.3992E+00	1.1380E+00	5.5492E+00	1.4000E-02	1.9424E+00
1976	2.7100E-01	5.1519E+00	5.0700E-01	4.7060E+00	3.6000E-02	1.5233E+00
1977	1.3100E-01	4.0713E+00	1.5300E-01	3.7481E+00	2.2000E-02	1.1891E+00
1978	7.3000E-02	3.1906E+00	4.7500E-01	3.2930E+00		9.1322E-01
1979	6.4000E-02	2.5082E+00	2.2100E-01	2.7226E+00		7.0135E-01
1980	8.7000E-02	2.0024E+00	3.4000E-02	2.1207E+00		5.3860E-01
1981	3.1600E-01	1.8147E+00	2.4700E-01	1.8416E+00		4.1363E-01
1982	1.1900E-01	1.4980E+00	3.4300E-01	1.7149E+00		3.1766E-01
1983	9.0000E-03	1.1583E+00	5.5000E-02	1.3632E+00		2.4395E-01
1984	1.6600E-01	1.0350E+00	1.8500E-01	1.2105E+00		1.8735E-01
1985	1.4700E-01	9.2368E-01	2.6900E-01	1.1654E+00		1.4386E-01
TOTAL	1.1469E+02		4.5804E+01		2.2862E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

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*** CURIES ***

	K 65G LIQUID TO SEEPAGE BASINS		K 904-88G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955					5.6000E-02	4.9075E-02
1956					1.0000E-01	1.2532E-01
1957					2.3800E-01	3.0481E-01
1958					2.1200E-01	4.1987E-01
1959	4.0000E-02	3.5054E-02			5.3200E-01	7.8866E-01
1960	6.2000E-03	5.2354E-02			2.3700E+00	2.8579E+00
1961		2.4847E-02			1.5100E+00	3.5180E+00
1962		1.9082E-02			1.3000E+00	3.8410E+00
1963		1.4654E-02			2.7000E-01	3.1864E+00
1964		1.1254E-02			1.1900E+00	3.4899E+00
1965		8.6428E-03			4.6300E+00	6.7376E+00
1966		6.6374E-03			4.6500E+00	9.2493E+00
1967		5.0974E-03			5.9700E+00	1.1984E+01
1968		3.9146E-03			1.6300E+00	1.0632E+01
1969		3.0063E-03			1.4000E-01	8.2879E+00
1970		2.3088E-03			3.1000E-01	6.6366E+00
1971		1.7731E-03				5.0967E+00
1972		1.3617E-03	1.0000E-01	8.7634E-02		3.9141E+00
1973		1.0457E-03	2.9000E-02	9.2714E-02		3.0059E+00
1974		8.0310E-04	3.0000E-02	9.7492E-02		2.3085E+00
1975		6.1676E-04	3.1000E-02	1.0204E-01		1.7729E+00
1976		4.7363E-04	6.5000E-02	1.3532E-01		1.3615E+00
1977		3.6379E-04	1.0800E-02	1.1339E-01		1.0456E+00
1978		2.7935E-04	7.4220E-03	9.3585E-02		8.0299E-01
1979		2.1454E-04	1.5010E-03	7.3186E-02		6.1668E-01
1980		1.6476E-04	1.3000E-03	5.7346E-02		4.7359E-01
1981		1.2653E-04	9.5300E-04	4.4875E-02		3.6371E-01
1982		9.7171E-05	2.7240E-03	3.6850E-02		2.7932E-01
1983		7.4625E-05	2.2990E-03	3.0335E-02		2.1451E-01
1984		5.7510E-05	1.0400E-03	2.4192E-02		1.6474E-01
1985		4.4013E-05	7.6060E-03	2.5244E-02		1.2651E-01
TOTAL	4.6200E-02		2.9065E-01		2.4908E+01	

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*** CURIES ***

	L 64G LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955					5.6000E-02	4.9075E-02
1956					1.3000E-01	1.9181E-01
1957					3.7600E-01	4.4594E-01
1958	6.2000E-02	5.4333E-02			1.7800E-01	4.9846E-01
1959	8.0000E-03	4.8737E-02			2.4000E-01	5.9312E-01
1960	1.1000E-02	4.7069E-02			1.0100E+00	1.3406E+00
1961	4.0000E-03	2.6182E-02	5.2600E-02	4.6896E-02	8.2000E-01	1.7481E+00
1962	6.0000E-03	2.7840E-02	4.2200E-02	7.2382E-02	6.0300E+00	6.6269E+00
1963	2.8400E-01	2.7201E-01	3.0800E-01	3.2550E-01	1.1300E+00	6.0795E+00
1964	1.0000E-02	2.1766E-01	1.5800E+00	1.6346E+00	7.5000E-01	5.3262E+00
1965		1.6716E-01		1.2553E+00	1.9000E+00	5.7556E+00
1966		1.2837E-01		9.6406E-01	1.0900E+00	5.3752E+00
1967		9.8588E-02		7.4037E-01	1.8300E+00	5.7317E+00
1968		7.5713E-02		5.6858E-01	1.4900E+00	5.8028E+00
1969		5.8149E-02		4.3666E-01	6.1500E+00	1.1660E+01
1970		4.4654E-02		3.3534E-01	2.2300E+00	1.0909E+01
1971		3.4293E-02		2.5733E-01	4.2000E-01	3.7458E+00
1972		2.6336E-02		1.9778E-01	5.0000E-02	6.7603E+00
1973		2.0224E-02		1.5189E-01	1.2600E-02	5.2023E+00
1974		1.5533E-02		1.1445E-01	2.5000E-02	4.0171E+00
1975		1.1929E-02		8.9581E-02	4.0000E-03	3.0885E+00
1976		9.1609E-03		6.8794E-02	2.9000E-02	2.3938E+00
1977		7.0553E-03	3.2000E-05	5.2842E-02	4.6390E-03	1.8425E+00
1978		5.4029E-03		4.0594E-02	2.3350E-03	1.4170E+00
1979		4.1493E-03		3.1177E-02		1.0882E+00
1980		3.1864E-03		2.3943E-02		8.3572E-01
1981		2.4472E-03		1.8388E-02		6.4181E-01
1982		1.8794E-03		1.4121E-02		4.9290E-01
1983		1.4433E-03		1.0845E-02		3.7853E-01
1984		1.1084E-03		8.3285E-03		2.9070E-01
1985		8.5124E-04		6.5940E-03		2.2325E-01
TOTAL	3.7710E-01		1.9828E+00		2.8153E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

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MM M CURIES M M M

	P 610 LIQUID TO SEEPAGE BASINS		R LIQUID TO STREAMS		R 600 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954			6.0000E-02	5.2580E-02		
1955			6.4000E-02	9.6466E-02		
1956			3.0400E-01	3.4049E-01		
1957	6.4000E-02	5.6086E-02	8.5160E-01	1.0078E+00	2.3000E+00	2.0156E+00
1958	2.0000E-03	4.4825E-02	5.4000E-01	1.2472E+00	8.4400E-01	2.2875E+00
1959	1.1400E-01	1.3433E-01	5.6600E-01	1.4538E+00	1.8000E-02	1.7725E+00
1960	1.2200E-01	2.1007E-01	9.7000E-01	1.9669E+00		1.3613E+00
1961	6.6200E-02	2.1934E-01	1.8500E+00	3.1315E+00		1.0454E+00
1962	2.9800E-02	1.9457E-01	2.0200E+00	4.1751E+00	1.6000E-03	8.0426E-01
1963	6.0000E-02	2.0200E-01	2.3800E+00	5.2921E+00	2.0000E-03	6.1940E-01
1964	8.8000E-01	9.2631E-01	8.5000E-01	4.8090E+00	2.7200E-02	4.9952E-01
1965		7.1138E-01		3.6932E+00		3.8362E-01
1966		5.4632E-01		2.8363E+00		2.9461E-01
1967		4.1956E-01		2.1782E+00		2.2625E-01
1968		3.2226E-01		1.6728E+00		1.7375E-01
1969		2.4741E-01		1.2847E+00		1.3344E-01
1970		1.9008E-01		9.8659E-01		1.0248E-01
1971		1.4594E-01		7.5747E-01		7.8700E-02
1972		1.1208E-01		5.8187E-01		6.0440E-02
1973		8.4074E-02		4.4686E-01		4.6416E-02
1974		6.6103E-02		3.4318E-01		3.5646E-02
1975		5.0765E-02		2.6355E-01		2.7375E-02
1976		3.8984E-02		2.0240E-01		2.1024E-02
1977		2.9940E-02		1.5544E-01		1.6146E-02
1978	1.2510E-03	2.4090E-02		1.1937E-01		1.2399E-02
1979	1.0760E-03	1.9443E-02		9.1675E-02		9.5224E-03
1980		1.4932E-02		7.0404E-02		7.3129E-03
1981	2.2840E-03	1.3469E-02		5.4068E-02		5.6161E-03
1982	7.2750E-03	1.6719E-02		4.1523E-02		4.3130E-03
1983	2.3100E-04	1.3042E-02		3.1889E-02		3.3123E-03
1984	1.2210E-03	1.1086E-02		2.4490E-02		2.5438E-03
1985	9.6050E-03	1.6931E-02		1.8807E-02		1.9535E-03
TOTAL	1.3609E+00		1.0456E+01		3.1928E+00	

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MM M CURIES M M M

	COMBINED F AND M ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973		
1974		
1975		
1976		
1977		
1978		
1979		
1980		
1981		
1982		
1983	5.3000E-04	1.4116E-04
1984	4.0000E-04	1.1196E-04
1985	5.8000E-04	1.5624E-04
TOTAL	1.5300E-03	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
U-NAT

*** CURIES ***

	A 776 LIQUID TO SEEPAGE BASINS		F 291 ATMOSPHERIC		F 470 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955			1.1700E-01	1.1700E-01	1.3740E-01	1.3740E-01
1956			1.1200E-01	2.2900E-01	5.3940E-01	6.7680E-01
1957			2.0000E-03	2.3100E-01	4.9380E-01	1.1706E+00
1958			1.0000E-03	2.3200E-01	4.3600E-01	1.6066E+00
1959			7.0000E-03	2.3900E-01	5.9200E-01	2.1986E+00
1960			1.9680E-02	2.5868E-01	8.1120E-01	3.0098E+00
1961			9.0000E-03	2.6768E-01	2.5140E-01	3.2612E+00
1962			7.8400E-03	2.7552E-01	5.7420E-01	3.8354E+00
1963			2.5740E-02	3.0126E-01	6.5830E-01	4.4937E+00
1964			4.2180E-02	3.4344E-01	1.7160E+00	6.2097E+00
1965			5.1100E-02	3.9454E-01	5.8820E-01	6.7979E+00
1966			1.9450E-02	4.1399E-01	4.9020E-01	7.2881E+00
1967			1.8280E-02	4.3227E-01	1.7630E-01	7.4644E+00
1968			9.5120E-03	4.4178E-01	2.5100E-01	7.7154E+00
1969			3.6200E-02	4.7798E-01	9.7290E-01	8.6883E+00
1970			1.3790E-02	4.9177E-01	1.3800E+00	1.0068E+01
1971			2.7200E-03	4.9449E-01	2.2000E-01	1.0288E+01
1972			5.1900E-03	4.9968E-01	2.3000E-01	1.0518E+01
1973	5.6000E-03	5.6000E-03	3.5800E-03	5.0326E-01	1.7800E-01	1.0676E+01
1974	5.4000E-04	6.1400E-03	8.6100E-03	5.1187E-01	9.7800E-02	1.0774E+01
1975	1.0780E-03	7.2180E-03	4.6940E-03	5.1657E-01	1.1510E-01	1.0889E+01
1976	2.1100E-03	9.3280E-03	4.8700E-03	5.2144E-01	2.3900E-01	1.1128E+01
1977	1.6900E-03	1.1018E-02	1.2310E-03	5.2267E-01	9.9000E-02	1.1227E+01
1978	1.5700E-03	1.2588E-02	2.5380E-03	5.2520E-01	1.1400E-01	1.1341E+01
1979	1.3070E-03	1.3835E-02	2.0500E-03	5.2725E-01	1.0700E-01	1.1448E+01
1980	1.7440E-03	1.5639E-02	3.4180E-03	5.3067E-01	1.8200E-01	1.1630E+01
1981	3.2630E-03	1.8902E-02	4.3030E-03	5.3498E-01	6.1330E-01	1.2243E+01
1982	3.0800E-03	2.1982E-02	8.4870E-03	5.4346E-01	1.4670E-01	1.2390E+01
1983		2.1982E-02	4.2430E-03	5.4771E-01	6.8210E-02	1.2458E+01
1984		2.1982E-02	1.7940E-03	5.4950E-01	4.2000E-02	1.2500E+01
1985		2.1982E-02	2.1260E-03	5.5163E-01	1.1500E-01	1.2615E+01
TOTAL	2.1982E-02		5.5163E-01		1.2615E+01	

ISOTOPE
U-NAT

*** CURIES ***

	H 291 ATMOSPHERIC		H 480 LIQUID TO SEEPAGE BASINS		M 300 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	1.8900E-01	1.8900E-01	2.8500E-02	2.8500E-02		
1956	7.0000E-03	1.9600E-01	1.8050E-01	2.0900E-01		
1957	2.5000E-04	1.9625E-01	2.8380E-01	4.9280E-01		
1958	6.0000E-04	1.9685E-01	7.6000E-02	5.6880E-01		
1959	1.5000E-04	1.9700E-01	1.0400E-01	6.7280E-01		
1960	3.0000E-04	1.9730E-01	2.4300E-02	6.9710E-01		
1961	1.2000E-03	1.9858E-01	1.1450E-01	8.1160E-01		
1962	1.0200E-03	1.9952E-01	8.4000E-02	8.9560E-01		
1963	9.7600E-03	2.0528E-01	4.7020E-02	9.4262E-01		
1964	1.3360E-02	2.1864E-01	1.0940E-01	1.0520E+00		
1965	7.0000E-04	2.1934E-01	7.2300E-02	1.1243E+00		
1966	1.1450E-03	2.2048E-01	2.2400E-02	1.1467E+00		
1967	8.7500E-04	2.2136E-01	1.4430E-02	1.1611E+00		
1968	1.1700E-02	2.3853E-01	7.7990E-02	1.2391E+00		
1969	3.2470E-02	2.7100E-01	2.7070E-02	1.2662E+00		
1970	2.8500E-03	2.7385E-01	3.0000E-02	1.2962E+00		
1971	2.4500E-03	2.7630E-01	2.0000E-02	1.3162E+00		
1972	2.5400E-03	2.7884E-01		1.3162E+00		
1973	1.5300E-03	2.8037E-01	1.5900E-02	1.3321E+00		
1974	6.0000E-05	2.8043E-01	5.3000E-03	1.3374E+00	2.2200E-03	2.2200E-03
1975	3.0000E-05	2.8046E-01	7.0000E-04	1.3381E+00	1.8860E-02	2.1880E-02
1976	1.0000E-04	2.8056E-01	1.2000E-02	1.3501E+00	8.8500E-03	2.9930E-02
1977	3.2000E-04	2.8088E-01	3.0000E-03	1.3531E+00	1.4330E-02	4.4260E-02
1978	5.2100E-04	2.8140E-01	8.0000E-03	1.3611E+00	5.8330E-02	1.0259E-01
1979	3.8600E-04	2.8179E-01	8.0000E-03	1.3691E+00	6.0450E-02	1.4304E-01
1980	5.9600E-04	2.8238E-01	9.0000E-03	1.3781E+00	9.6980E-02	2.6002E-01
1981	1.7680E-03	2.8415E-01	1.0540E-02	1.3886E+00	9.9810E-02	3.5983E-01
1982	6.5700E-04	2.8481E-01	6.1170E-03	1.3948E+00	2.0520E-01	5.6503E-01
1983	2.1800E-04	2.8503E-01	3.7600E-03	1.3988E+00	7.0900E-01	9.7403E-01
1984	3.9500E-04	2.8542E-01	3.0000E-03	1.4015E+00	1.2670E-01	1.1007E+00
1985	3.9900E-04	2.8582E-01	3.0000E-03	1.4045E+00	5.0950E-02	1.1513E+00
TOTAL	2.8582E-01		1.4045E+00		1.1513E+00	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M CURIES M M M

	M 500 ATMOSPHERIC		M 313 LIQUID TO STREAMS		CMX-TNX LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954			7.0000E-02	7.0000E-02		
1955			5.2000E-01	5.9000E-01		
1956			1.0500E-01	6.9500E-01		
1957			3.6000E-02	7.3100E-01		
1958			3.9000E-02	7.7000E-01		
1959			1.1000E-01	8.8000E-01		
1960			1.1000E-01	9.9000E-01		
1961			5.3000E-01	1.5200E+00		
1962			1.9530E+00	3.4730E+00		
1963			4.9600E-01	3.9690E+00		
1964			9.0000E-01	4.8690E+00		
1965			4.4590E+00	9.3080E+00		
1966			6.4230E+00	1.3731E+01		
1967			4.2140E+00	1.9945E+01	2.3140E-01	2.3140E-01
1968			1.2620E+00	2.1207E+01	1.0740E-01	3.3880E-01
1969			6.8200E-01	2.1887E+01		3.3880E-01
1970			3.4800E-01	2.2237E+01		3.3880E-01
1971			3.9000E-01	2.2627E+01		3.3880E-01
1972			2.1900E-01	2.2846E+01		3.3880E-01
1973			3.4900E-01	2.3195E+01		3.3880E-01
1974			4.4100E-01	2.3636E+01		3.3880E-01
1975	3.3590E-06	3.3590E-06	3.6300E-01	2.3999E+01		3.3880E-01
1976	2.4490E-06	2.4120E-05	8.4380E-02	2.4083E+01		3.3880E-01
1977	1.8320E-05	2.6399E-05	5.3930E-02	2.4139E+01	4.8400E-05	3.3885E-01
1978	2.2710E-06	2.8645E-05	6.4000E-02	2.4203E+01	1.3700E-05	3.3886E-01
1979	2.2460E-06	2.8733E-05	1.8980E-01	2.4393E+01	1.0000E-05	3.3887E-01
1980	8.8000E-08	2.8733E-05	1.7100E-01	2.4564E+01	6.3400E-04	3.3951E-01
1981		3.1645E-05	4.2140E-02	2.4606E+01	3.7200E-04	3.3988E-01
1982	2.9320E-06	3.6191E-05	1.7320E-02	2.4623E+01		3.3988E-01
1983	4.5260E-06	3.6191E-05	9.6950E-03	2.4633E+01	1.7000E-05	3.3989E-01
1984		4.7591E-05	1.3500E-03	2.4634E+01		3.3989E-01
1985	1.1400E-05					
TOTAL	4.7591E-05		2.4634E+01		3.3989E-01	

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M M M CURIES M M M

	CMX-TNX LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968	1.6670E-01	1.6670E-01
1969		1.6670E-01
1970		1.6670E-01
1971		1.6670E-01
1972		1.6670E-01
1973		1.6670E-01
1974		1.6670E-01
1975		1.6670E-01
1976		1.6670E-01
1977		1.6670E-01
1978		1.6670E-01
1979		1.6670E-01
1980		1.6670E-01
1981		1.6670E-01
1982		1.6670E-01
1983		1.6670E-01
1984		1.6670E-01
1985		1.6670E-01
TOTAL	1.6670E-01	

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MMH CURIES MMH

	A 776 LIQUID TO SEEPAGE BASINS		F 291 ATMOSPHERIC		F 476 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969			3.5700E-04	3.5557E-04	1.2440E-01	1.2390E-01
1970					2.2670E-01	3.4871E-01
1971			5.9000E-04	5.5273E-04	4.5780E-01	8.0189E-01
1972			1.5700E-03	9.3755E-04	2.9500E-01	1.0893E+00
1973			6.8000E-04	2.4938E-03	1.1000E-01	1.1902E+00
1974			3.4000E-04	3.1511E-03	1.1000E-01	1.2902E+00
1975			6.4000E-04	3.6838E-03	3.1300E-02	1.3108E+00
1976			1.0000E-05	4.2720E-03	2.1300E-02	1.3215E+00
1977			1.4800E-03	4.2478E-03	2.9600E-02	1.3404E+00
1978	4.4860E-05	4.4680E-05	2.8400E-04	5.6879E-03	7.0000E-03	1.3367E+00
1979	1.9920E-05	6.4164E-05	1.6600E-04	5.9254E-03	1.6000E-02	1.3420E+00
1980	8.2760E-05	1.4608E-04	4.2600E-04	6.0434E-03	2.0000E-03	1.3332E+00
1981	1.1000E-04	2.5447E-04	2.7000E-04	6.4194E-03	7.0000E-03	1.3296E+00
1982	8.4300E-03	8.6487E-03	4.4000E-04	6.5842E-03	4.0000E-04	1.3229E+00
1983	2.1300E-04	8.7918E-03	2.8810E-03	6.9788E-03	2.7240E-02	1.3395E+00
1984		8.7215E-03	5.6600E-04	9.7924E-03	1.7680E-02	1.3464E+00
1985		8.6519E-03	7.5000E-04	1.0278E-02	8.7450E-03	1.3443E+00
		8.5827E-03	3.3200E-04	1.0943E-02	1.8000E-02	1.3515E+00
				1.1186E-02	1.8000E-02	1.3587E+00
TOTAL	8.9005E-03		1.1938E-02		1.5315E+00	

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MMH CURIES MMH

	H 291 ATMOSPHERIC		H 281 LIQUID TO STREAMS		H 480 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967	2.6800E-04	2.5896E-04			1.8370E-02	1.8296E-02
1968	6.4300E-04	8.9732E-04			2.9030E-01	3.0729E-01
1969	5.5850E-01	5.5716E-01			6.3610E-01	9.3839E-01
1970	2.0190E-02	5.7281E-01			2.5500E-01	1.1849E+00
1971	1.9880E-02	5.8804E-01	3.0100E-02	2.9988E-02	2.2300E-01	1.3975E+00
1972	1.5910E-02	5.9919E-01	5.0360E-02	7.9898E-02	2.9000E-01	1.6752E+00
1973	2.1530E-02	6.1585E-01	2.2280E-02	1.0145E-01	1.6110E-01	1.8223E+00
1974	4.1000E-03	6.1501E-01		1.0064E-01	7.6000E-02	1.8834E+00
1975	1.9640E-03	6.1205E-01		9.9837E-02	1.2410E-01	1.9920E+00
1976	1.4740E-02	6.2184E-01		9.9039E-02	8.1000E-02	2.0567E+00
1977	4.7370E-03	6.2160E-01		9.8248E-02	5.0000E-02	2.0901E+00
1978	6.7740E-03	6.2338E-01		9.7463E-02	6.2000E-02	2.1351E+00
1979	9.4600E-04	6.1934E-01		9.6685E-02	2.8000E-02	2.1460E+00
1980	2.5460E-03	6.1693E-01		9.5912E-02	9.0000E-03	2.1378E+00
1981	4.1200E-03	6.1610E-01		9.5146E-02	2.3040E-02	2.1437E+00
1982	1.1180E-03	6.1230E-01		9.4386E-02	9.7080E-03	2.1362E+00
1983	2.0540E-03	6.0945E-01		9.3632E-02	2.8260E-02	2.1473E+00
1984	6.1500E-04	6.0519E-01		9.2884E-02	6.0000E-03	2.1361E+00
1985	2.1200E-04	6.0057E-01		9.2142E-02	8.0000E-03	2.1270E+00
TOTAL	6.8081E-01		1.0274E-01		2.3790E+00	

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M M M Curies M M M

	C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS		K LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	5.3000E+00				1.0590E+01	
1961	4.0650E+01				1.8180E+01	
1962	4.1100E+00				8.1300E+00	
1963	2.9040E+01				2.1470E+01	
1964	1.1790E+01				2.4460E+01	
1965	1.9720E+01				4.0380E+01	
1966	2.1590E+01				6.5000E-01	
1967	3.2060E+01		8.1000E+00		7.8000E-01	
1968	3.1900E+00				3.3100E+00	
1969	2.4860E+01					
1970	4.7000E-01					
1971	1.6300E+00					
1972	3.0000E-02					
1973	1.0000E-03					
1974	8.0000E-03					
1975	8.0000E-03					
1976						
1977						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985						
TOTAL	1.9446E+02		8.1000E+00		1.2795E+02	

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M M M Curies M M M

	K 904-88G LIQUID TO CONTAINMENT BASIN		L LIQUID TO STREAMS		L 640 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960			4.8600E+00			
1961			3.8120E+01			
1962			4.5000E+00			
1963			3.5600E+00			
1964			2.0650E+01		1.1000E-01	
1965			3.5900E+00		1.1000E-01	
1966			1.8200E+00			
1967			3.6000E-01			
1968	6.6000E-01		8.8500E+00			
1969	1.0200E+00					
1970	2.4000E-01					
1971						
1972						
1973	1.0000E-03					
1974	1.0000E-03					
1975						
1976	1.0000E-03					
1977						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985						
TOTAL	1.9230E+00		7.8310E+01		2.2000E-01	

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*** CURIES ***

	P LIQUID TO STREAMS		P 610 LIQUID TO SEEPAGE BASINS		R LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	1.9480E+01				1.5310E+01	
1961	2.9790E+01				1.2100E+01	
1962	5.6420E+01				1.7740E+01	
1963	4.6610E+01				6.8350E+02	
1964	2.2050E+01				1.0220E+02	
1965	1.0650E+01					
1966	3.8200E+00					
1967	3.2400E+00		5.0000E-03			
1968	4.8800E+00					
1969	8.4000E-01					
1970						
1971						
1972						
1973	1.0000E-02					
1974						
1975						
1976						
1977						
1978						
1979						
1980						
1981						
1982						
1983						
1984						
1985						
TOTAL	1.9779E+02		5.0000E-03		8.3085E+02	

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*** CURIES ***

	A 773 ATMOSPHERIC		A 776 LIQUID TO SEEPAGE BASINS		F 291 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954					2.2210E+00	2.2210E+00
1955					2.8000E-02	2.2489E+00
1956					3.8000E-02	2.2868E+00
1957					1.9000E-02	2.3058E+00
1958					2.1000E-02	2.3267E+00
1959					7.0320E-02	2.3970E+00
1960					9.0000E-03	2.4059E+00
1961					6.1600E-03	2.4120E+00
1962					2.8600E-03	2.4148E+00
1963					2.2200E-03	2.4169E+00
1964					3.3000E-03	2.4201E+00
1965					2.4000E-03	2.4225E+00
1966					2.7310E-03	2.4251E+00
1967					2.0210E-03	2.4271E+00
1968					1.9050E-03	2.4289E+00
1969					3.3300E-03	2.4322E+00
1970	3.1000E-04	3.1000E-04			1.8800E-03	2.4340E+00
1971	1.6000E-04	4.6998E-04			5.8000E-04	2.4345E+00
1972		4.6997E-04			1.5000E-04	2.4346E+00
1973		4.6996E-04			1.2800E-03	2.4358E+00
1974		4.6994E-04	5.4000E-04	5.3999E-04	1.2800E-04	2.4358E+00
1975		4.6993E-04	1.0780E-03	1.6180E-03	1.0000E-04	2.4359E+00
1976		4.6992E-04	3.1000E-05	1.6489E-03	1.0400E-04	2.4359E+00
1977		4.6990E-04	1.2410E-05	1.6613E-03	2.2600E-04	2.4361E+00
1978		4.6989E-04	9.2370E-05	1.7536E-03	2.4500E-04	2.4362E+00
1979		4.6988E-04	8.2190E-05	1.8357E-03	3.9800E-04	2.4366E+00
1980		4.6986E-04	1.0200E-04	1.9377E-03	7.7100E-04	2.4373E+00
1981		4.6985E-04	8.1500E-04	2.7526E-03	1.0520E-03	2.4383E+00
1982		4.6984E-04	1.9400E-04	2.9465E-03	4.9900E-04	2.4387E+00
1983		4.6982E-04		2.9465E-03	3.5000E-04	2.4390E+00
1984		4.6981E-04		2.9464E-03	4.2300E-04	2.4393E+00
1985		4.6980E-04		2.9463E-03		
TOTAL	4.7000E-04		2.9478E-03		2.4414E+00	

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*** CURIES ***

	F 47G LIQUID TO SEEPAGE BASINS		H 291 ATMOSPHERIC		H 48G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955	6.7600E-02	6.7599E-02	4.4100E-01	4.4099E-01	4.6500E-02	4.6499E-02
1956	2.6560E-01	3.3319E-01	3.0000E-03	4.4398E-01	2.9450E-01	3.4099E-01
1957	7.6200E-02	4.0938E-01	4.7500E-03	4.4872E-01	3.6200E-02	3.7718E-01
1958	3.6400E-01	7.7337E-01	1.9000E-03	4.5061E-01	1.2600E-01	5.0317E-01
1959	4.0400E-01	1.1773E+00	2.8500E-03	4.5344E-01	1.2800E-01	6.3115E-01
1960	2.0280E-01	1.3801E+00	7.0000E-04	4.5413E-01	5.6700E-02	6.8784E-01
1961	1.6760E-01	1.5477E+00	2.8000E-03	4.5692E-01	1.1450E-01	8.0231E-01
1962	2.8280E-01	1.8304E+00	4.9800E-03	4.6188E-01	3.1600E-01	1.1183E+00
1963	2.8210E-01	2.1125E+00	6.4000E-04	4.6251E-01	9.1280E-02	1.2095E+00
1964	9.0300E-02	2.2027E+00	3.3400E-03	4.6584E-01	7.2960E-02	1.2825E+00
1965	3.1680E-01	2.5194E+00	1.3200E-02	4.7902E-01	2.8940E-01	1.5718E+00
1966	6.2390E-01	3.1432E+00	7.6650E-03	4.8668E-01	2.8500E-02	1.6003E+00
1967	7.3630E-01	3.8794E+00	7.6130E-03	4.9427E-01	3.2800E-02	1.6330E+00
1968	3.3200E-01	4.2113E+00	3.6470E-03	4.9791E-01	6.5000E-02	1.6980E+00
1969	4.7690E-01	4.6881E+00	5.8440E-02	5.5633E-01	1.3530E-02	1.7115E+00
1970	2.9500E-01	4.9830E+00	5.5500E-03	5.6187E-01	5.4000E-02	1.7654E+00
1971	1.8000E-01	5.1628E+00	6.3100E-03	5.6816E-01	2.7000E-02	1.7924E+00
1972	2.1000E-01	5.3727E+00	3.2100E-03	5.7135E-01	3.0000E-02	1.8223E+00
1973	5.7700E-02	5.4302E+00	1.3000E-03	5.7264E-01	3.5900E-02	1.8581E+00
1974	3.6500E-02	5.4666E+00	1.6600E-03	5.7428E-01	4.0700E-02	1.8988E+00
1975	1.6300E-02	5.4827E+00	4.0000E-04	5.7466E-01	1.4200E-02	1.9129E+00
1976	7.0000E-03	5.4895E+00	1.4000E-04	5.7479E-01	3.0000E-03	1.9159E+00
1977	1.2000E-02	5.5014E+00		5.7477E-01	2.8000E-03	1.9178E+00
1978	7.0000E-03	5.5082E+00		5.7476E-01	1.0000E-02	1.9276E+00
1979	1.6000E-02	5.5241E+00	1.5400E-04	5.7489E-01		1.9277E+00
1980	1.0000E-02	5.5339E+00	8.3700E-04	5.7571E-01	6.0000E-03	1.9337E+00
1981	4.1080E-02	5.5748E+00	2.0270E-03	5.7772E-01	1.1910E-02	1.9455E+00
1982	2.0960E-02	5.5956E+00	6.5200E-04	5.7834E-01	6.2810E-03	1.9517E+00
1983	7.5380E-03	5.6030E+00	2.2100E-04	5.7856E-01	2.3840E-03	1.9541E+00
1984	1.8000E-02	5.6209E+00	1.1000E-04	5.7866E-01		1.9540E+00
1985	2.0000E-02	5.6407E+00	7.4000E-05	5.7872E-01		1.9540E+00
TOTAL	5.6440E+00		5.7917E-01		1.9552E+00	

ISOTOPE

PU-239

*** CURIES ***

	R 60G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957	3.0000E-01	3.0000E-01
1958		2.9999E-01
1959		2.9998E-01
1960		2.9997E-01
1961		2.9996E-01
1962		2.9995E-01
1963		2.9994E-01
1964		2.9994E-01
1965		2.9993E-01
1966		2.9992E-01
1967		2.9991E-01
1968		2.9990E-01
1969		2.9989E-01
1970		2.9988E-01
1971		2.9988E-01
1972		2.9987E-01
1973		2.9986E-01
1974		2.9985E-01
1975		2.9984E-01
1976		2.9983E-01
1977		2.9983E-01
1978		2.9982E-01
1979		2.9981E-01
1980		2.9980E-01
1981		2.9979E-01
1982		2.9978E-01
1983		2.9977E-01
1984		2.9977E-01
1985		2.9976E-01
TOTAL	3.0000E-01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
AM-241

M M M CURIES M M M

	A 776 LIQUID TO SEEPAGE BASINS		F 291 ATMOSPHERIC		F 470 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972						
1973						
1974						
1975						
1976						
1977			1.4758E-04	1.4739E-04	2.0000E-03	1.9985E-03
1978			1.1640E-03	1.3103E-03	2.1000E-02	2.2980E-02
1979	5.8250E-05	5.8206E-05	2.8400E-04	1.5921E-03	4.6500E-02	6.9410E-02
1980		5.8118E-05	1.0390E-03	2.6279E-03	2.0000E-02	8.9290E-02
1981	7.1300E-04	7.7049E-04	2.9400E-04	2.9177E-03	7.0100E-02	1.5920E-01
1982		7.6933E-04	3.7400E-04	3.2870E-03	1.7180E-02	1.7613E-01
1983		7.6817E-04	1.5200E-04	3.4340E-03	5.3400E-03	1.8121E-01
1984		7.6701E-04	1.1200E-04	3.5407E-03	2.0000E-02	2.0092E-01
1985		7.6585E-04	1.8900E-04	3.7242E-03	1.4000E-02	2.1460E-01
TOTAL	7.7125E-04		3.7555E-03		2.1613E-01	

ISOTOPE
AM-241

M M M CURIES M M M

	H 291 ATMOSPHERIC		H 480 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954				
1955				
1956				
1957				
1958				
1959				
1960				
1961				
1962				
1963				
1964				
1965				
1966				
1967				
1968				
1969				
1970				
1971				
1972				
1973				
1974				
1975				
1976				
1977	1.9100E-04	1.9086E-04	1.0000E-02	9.9925E-03
1978	4.5500E-05	2.5682E-04	4.0000E-03	1.5973E-02
1979	7.1000E-05	3.2658E-04	1.5000E-03	1.7448E-02
1980	3.4000E-05	3.6086E-04	3.0000E-03	2.0419E-02
1981	2.0000E-04	5.5936E-04	3.4140E-03	2.3800E-02
1982	1.2400E-04	6.8243E-04	2.5268E-03	2.6288E-02
1983	1.0500E-04	7.8632E-04	1.1240E-02	3.7480E-02
1984	3.0000E-05	8.1511E-04	4.0000E-03	4.1420E-02
1985	2.3700E-04	1.0507E-03	9.0000E-03	5.0351E-02
TOTAL	1.0575E-03		5.0680E-02	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CM-242

*** CURIES ***

A 773
ATMOSPHERIC

ORIGINAL RELEASE	DECAY CORRECTED
---------------------	--------------------

1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

2.3400E-03

1.0770E-03
2.2813E-04
4.8323E-05
1.0236E-05
2.1682E-06
4.5928E-07

TOTAL

2.3400E-03

ISOTOPE
CM-244

*** CURIES ***

A 773
LIQUID TO STREAMS

ORIGINAL RELEASE	DECAY CORRECTED
---------------------	--------------------

1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

3.0000E-02
3.2420E-01
2.7880E-02
3.6400E-03

2.9425E-02
2.8308E-02
3.4522E-01
3.5946E-01
3.4939E-01
3.3612E-01
3.2336E-01
3.1109E-01
2.9928E-01
2.8792E-01
2.7699E-01
2.6647E-01
2.5636E-01
2.4663E-01
2.3726E-01
2.2826E-01
2.1959E-01

TOTAL

3.8572E-01

A 773
ATMOSPHERIC

ORIGINAL RELEASE	DECAY CORRECTED
---------------------	--------------------

3.1700E-02
2.1130E-02
4.1000E-04
9.0000E-05
1.9000E-05

3.1093E-02
2.9912E-02
2.8777E-02
2.7684E-02
2.6633E-02
4.6347E-02
4.4990E-02
4.3282E-02
4.1728E-02
4.0142E-02
3.8638E-02
3.7171E-02
3.5740E-02
3.4402E-02
3.3096E-02
3.1840E-02
3.0631E-02
2.9469E-02
2.8350E-02
2.7274E-02
2.6238E-02
2.5242E-02

5.3349E-02

A 776
LIQUID TO SEEPAGE BASINS

ORIGINAL RELEASE	DECAY CORRECTED
---------------------	--------------------

5.8250E-05
5.0300E-04

5.7134E-05
5.4963E-05
5.4624E-04
5.2550E-04
5.0555E-04
4.8636E-04
4.6790E-04

5.6125E-04

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
CM-244

M M M CURIES M M M

	F 291 ATMOSPHERIC		F 470 LIQUID TO SEEPAGE BASINS		H 291 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968					3.0000E-02	2.9425E-02
1969						2.8308E-02
1970	5.0000E-04	4.9042E-04				2.7233E-02
1971	7.0000E-04	1.1584E-03				2.6200E-02
1972	1.1000E-04	1.2223E-03			1.9800E-04	2.5205E-02
1973	3.4000E-04	1.5094E-03	7.7700E-02	7.6211E-02	2.0000E-05	2.4435E-02
1974	3.9000E-04	1.8346E-03	2.3100E-02	9.5975E-02		2.3527E-02
1975		1.7450E-03		9.2332E-02		2.2634E-02
1976	2.6000E-04	1.9530E-03	2.1000E-02	1.0942E-01	7.0000E-05	2.1774E-02
1977	1.4750E-04	2.0235E-03	3.7000E-02	1.4156E-01	1.9100E-04	2.1017E-02
1978	7.2000E-05	2.0173E-03	4.0000E-03	1.4011E-01	4.5500E-05	2.0406E-02
1979	3.2600E-04	2.2605E-03	4.6500E-02	1.8040E-01	6.3000E-05	1.9696E-02
1980	8.7400E-04	3.0339E-03	8.0000E-03	1.8140E-01	2.0000E-05	1.9010E-02
1981	9.3000E-05	3.0100E-03	2.8730E-02	2.0249E-01	7.0000E-05	1.8308E-02
1982	1.3000E-04	3.0232E-03	7.0880E-03	2.0195E-01	3.5000E-05	1.7681E-02
1983	4.6000E-04	3.3596E-03	9.5800E-03	2.0368E-01	4.6000E-05	1.7045E-02
1984	2.1200E-04	3.4400E-03	2.5000E-02	2.2047E-01	4.7000E-05	1.6443E-02
1985	2.2000E-04	3.5252E-03	2.4000E-02	2.3564E-01	2.6000E-05	1.5865E-02
TOTAL	4.8365E-03		3.1170E-01		3.0043E-02	1.5288E-02

ISOTOPE
CM-244

M M M CURIES M M M

	H 480 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED
1954		
1955		
1956		
1957		
1958		
1959		
1960		
1961		
1962		
1963		
1964		
1965		
1966		
1967		
1968		
1969		
1970		
1971		
1972		
1973	1.5300E-02	1.5007E-02
1974	1.6300E-02	3.0425E-02
1975		2.9270E-02
1976	5.0000E-03	3.3063E-02
1977	1.0900E-02	4.1616E-02
1978	6.0000E-03	4.5921E-02
1979	1.5000E-03	4.5649E-02
1980	2.0000E-03	4.5878E-02
1981	1.1600E-03	4.5274E-02
1982	1.1600E-03	4.4694E-02
1983	4.7890E-03	4.7694E-02
1984	4.0000E-03	4.9807E-02
1985	4.0000E-03	5.1840E-02
TOTAL	7.1209E-02	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
UN-ID-ALPHA

*** CURIES ***

	A 773 LIQUID TO STREAMS		A 773 ATMOSPHERIC		A 776 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954					2.8000E-04	2.8000E-04
1955					2.4700E-02	2.4980E-02
1956					7.8710E-02	1.0369E-01
1957					3.5620E-02	1.3931E-01
1958					4.3580E-02	1.8289E-01
1959					1.9120E-02	2.0201E-01
1960					3.0000E-02	2.3201E-01
1961			2.2000E-04	2.2000E-04	2.9000E-02	2.6101E-01
1962			3.0000E-04	5.2000E-04	4.0000E-02	3.0101E-01
1963			2.4200E-04	7.6200E-04	2.8700E-02	3.2971E-01
1964				7.6200E-04	3.2100E-02	3.6181E-01
1965				7.6200E-04	3.9000E-02	4.0081E-01
1966				7.6200E-04	1.7000E-02	4.1781E-01
1967				7.6200E-04	2.9400E-02	4.4721E-01
1968			5.0000E-04	1.2620E-03	2.5870E-01	7.0591E-01
1969			4.6000E-04	1.7220E-03	9.4400E-01	1.6499E+00
1970	3.5000E-03	3.5000E-03	3.0000E-04	2.0220E-03	1.1360E+00	2.7859E+00
1971		3.5000E-03	5.0000E-04	2.5220E-03	9.7940E-01	3.7653E+00
1972		3.5000E-03		2.5220E-03	7.1800E-02	3.8371E+00
1973		3.5000E-03	1.9000E-05	2.5410E-03	3.0140E-01	4.1385E+00
1974	1.2600E-03	4.7600E-03	3.1000E-05	2.5720E-03	2.2100E-02	4.1606E+00
1975	2.2040E-03	6.9640E-03	3.0000E-06	2.5750E-03	2.6770E-03	4.1633E+00
1976	1.0140E-03	7.9780E-03	2.0000E-06	2.5770E-03	5.0600E-04	4.1638E+00
1977	6.3100E-04	8.6090E-03	1.0000E-06	2.5780E-03	3.2990E-05	4.1638E+00
1978	4.4100E-04	9.0500E-03	3.0000E-06	2.5810E-03		4.1638E+00
1979	5.0000E-04	9.5500E-03		2.5810E-03		4.1638E+00
1980	1.4400E-04	9.6940E-03	1.1000E-05	2.5920E-03	6.1780E-04	4.1644E+00
1981	2.8600E-04	9.9800E-03		2.5920E-03		4.1644E+00
1982	2.3700E-04	1.0217E-02		2.5920E-03	8.3700E-04	4.1653E+00
1983	7.0000E-05	1.0287E-02	6.0000E-06	2.5980E-03		4.1653E+00
1984	1.0000E-04	1.0387E-02		2.5980E-03		4.1653E+00
1985	1.3000E-04	1.0517E-02		2.5980E-03		4.1653E+00
TOTAL	1.0517E-02		2.5980E-03		4.1653E+00	

ISOTOPE
UN-ID-ALPHA

*** CURIES ***

	C 105 ATMOSPHERIC		C LIQUID TO STREAMS		C 660 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972			4.0000E-05	4.0000E-05		
1973	2.3480E-04	2.3480E-04	3.0000E-03	3.0400E-03		
1974	2.8300E-04	5.1780E-04		3.0400E-03		
1975	6.0600E-04	1.1230E-03	5.0000E-03	8.0400E-03		
1976	3.8100E-04	1.5040E-03	1.0000E-03	9.0400E-03		
1977	2.5800E-04	1.7620E-03	1.1500E-04	9.1550E-03		
1978	7.3000E-07	1.8350E-03	2.4490E-05	9.1795E-03	2.8200E-05	2.8200E-05
1979	7.0000E-07	1.9050E-03	2.0000E-06	9.1815E-03	8.9080E-05	1.1720E-04
1980	9.3000E-07	1.9980E-03		9.1815E-03	2.8480E-04	4.0120E-04
1981	3.9980E-06	2.3978E-03	2.6800E-04	9.4495E-03	9.9000E-04	1.3912E-03
1982	7.0000E-07	2.4678E-03	1.9400E-04	9.6435E-03	5.3680E-04	1.9272E-03
1983	7.2000E-07	2.5398E-03		9.6435E-03	1.2130E-03	3.1402E-03
1984	2.4210E-06	2.7819E-03		9.6435E-03	4.7800E-04	3.6182E-03
1985	1.1600E-06	2.8979E-03		9.6435E-03	1.7200E-04	3.7902E-03
TOTAL	2.8979E-03		9.6435E-03		3.7902E-03	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
UN-ID-ALPHA

*** CURIES ***

	D 400 LIQUID TO STREAMS		F 291 ATMOSPHERIC		F 281 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954					2.4000E-03	2.4000E-03
1955					4.5100E-02	4.7500E-02
1956					3.7000E-02	8.4500E-02
1957					2.2000E-03	8.6700E-02
1958					2.0000E-03	8.8700E-02
1959					2.0000E-03	9.0700E-02
1960					9.3000E-03	1.0000E-01
1961					7.0000E-03	1.0700E-01
1962					2.9000E-03	1.0990E-01
1963					5.0000E-03	1.1490E-01
1964					3.0000E-03	1.1790E-01
1965			5.1140E-02	5.1140E-02	2.0000E-03	1.1990E-01
1966			1.9450E-02	7.0590E-02	4.1000E-03	1.2400E-01
1967			3.0000E-04	7.0890E-02	1.0300E-02	1.3430E-01
1968				7.0890E-02	6.8000E-03	1.4110E-01
1969				7.0890E-02	4.5000E-03	1.4560E-01
1970				7.0890E-02	9.3000E-03	1.5490E-01
1971				7.0890E-02	1.1800E-02	1.6670E-01
1972	1.1030E-02	1.1030E-02		7.0890E-02	5.4600E-03	1.7216E-01
1973	2.6400E-03	1.3670E-02		7.0890E-02	8.7800E-03	1.8094E-01
1974	6.0000E-05	1.3730E-02		7.0890E-02	5.4300E-03	1.8637E-01
1975	8.9000E-05	1.3819E-02		7.0890E-02	4.5400E-03	1.9091E-01
1976	1.9600E-04	1.4015E-02		7.0890E-02	2.3500E-03	1.9326E-01
1977	4.1000E-05	1.4056E-02		7.0890E-02	2.7900E-03	1.9605E-01
1978	2.8000E-05	1.4084E-02		7.0890E-02	2.5010E-03	1.9855E-01
1979	2.1000E-05	1.4105E-02		7.0890E-02	4.5000E-03	2.0305E-01
1980	6.0000E-06	1.4111E-02		7.0890E-02	3.1200E-03	2.0617E-01
1981	1.8600E-04	1.4297E-02		7.0890E-02	5.7900E-03	2.1196E-01
1982	3.1600E-04	1.4613E-02		7.0890E-02	6.2000E-03	2.1816E-01
1983	5.2600E-04	1.5139E-02		7.0890E-02	4.4500E-03	2.2261E-01
1984	5.8900E-04	1.5728E-02		7.0890E-02	2.9140E-03	2.3175E-01
1985	7.4400E-04	1.6472E-02		7.0890E-02	5.1370E-03	2.5689E-01
TOTAL	1.6472E-02		7.0890E-02		2.5689E-01	

ISOTOPE
UN-ID-ALPHA

*** CURIES ***

	H 291 ATMOSPHERIC		H 281 LIQUID TO STREAMS		K 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955			1.2500E-02	1.2500E-02		
1956			5.1000E-03	1.7600E-02		
1957			1.8000E-03	1.9400E-02		
1958			9.0000E-03	2.8400E-02		
1959			1.1000E-02	3.9400E-02		
1960			7.5000E-03	4.6900E-02		
1961			9.8000E-03	5.6700E-02		
1962			8.6000E-03	6.5300E-02		
1963			1.1000E-02	7.6300E-02		
1964			1.2000E-02	8.8300E-02		
1965	6.9500E-04	6.9500E-04	9.0000E-03	9.7300E-02		
1966	1.1450E-03	1.8400E-03	1.0000E-02	1.0730E-01		
1967		1.8400E-03	5.4000E-03	1.1270E-01		
1968		1.8400E-03	5.1000E-03	1.1780E-01		
1969		1.8400E-03	6.1000E-03	1.2390E-01		
1970		1.8400E-03	7.8000E-03	1.3170E-01		
1971		1.8400E-03		1.3170E-01		
1972		1.8400E-03		1.3170E-01		
1973		1.8400E-03		1.3170E-01	4.9900E-06	4.9900E-06
1974		1.8400E-03	1.9200E-03	1.3362E-01	2.2200E-06	7.2100E-06
1975		1.8400E-03	1.7700E-03	1.3539E-01	3.9000E-06	1.1110E-05
1976		1.8400E-03	2.7500E-03	1.3814E-01	3.2900E-06	1.4400E-05
1977		1.8400E-03	3.2000E-03	1.4134E-01	1.9100E-06	1.6310E-05
1978		1.8400E-03	2.7060E-03	1.4405E-01	1.7700E-06	1.8080E-05
1979		1.8400E-03	3.6800E-03	1.4773E-01	6.4000E-07	1.8720E-05
1980		1.8400E-03	2.4800E-03	1.5021E-01	2.6300E-06	2.1350E-05
1981		1.8400E-03	9.4000E-04	1.5115E-01	3.6200E-06	2.4970E-05
1982		1.8400E-03	1.9600E-03	1.5311E-01	1.3700E-06	2.6340E-05
1983		1.8400E-03	1.3700E-03	1.5448E-01	3.5400E-06	2.9880E-05
1984		1.8400E-03	7.3100E-04	1.5521E-01	2.7400E-06	3.2620E-05
1985		1.8400E-03	7.7000E-04	1.5598E-01	1.6420E-06	3.4262E-05
TOTAL	1.8409E-03		1.5598E-01		3.4262E-05	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
UN-ID-ALPHA

M M M CURIES M M M

	K LIQUID TO STREAMS		K 904-88G LIQUID TO CONTAINMENT BASIN		L 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972	4.1600E-03	4.1600E-03	4.7000E-04	4.7000E-04		
1973	4.0000E-03	8.1600E-03		4.7000E-04		
1974		8.1600E-03	1.0000E-03	1.4700E-03		
1975		8.1600E-03	2.0000E-03	3.4700E-03		
1976		8.1600E-03	3.0000E-03	8.4700E-03		
1977	5.6000E-05	8.2160E-03	6.8200E-04	9.1520E-03		
1978		8.2160E-03	3.5020E-04	9.5022E-03		
1979	1.1800E-04	8.3340E-03	2.8200E-04	9.7842E-03		
1980	2.4000E-05	8.3580E-03	3.7000E-04	1.0154E-02		
1981		8.3580E-03	1.3150E-03	1.1669E-02		
1982	2.2000E-04	8.5780E-03	7.4660E-04	1.2416E-02	3.0000E-07	3.0000E-07
1983	1.3200E-04	8.7100E-03	8.3620E-04	1.3252E-02	9.6000E-07	1.2600E-06
1984	1.7000E-05	8.7270E-03	8.3700E-04	1.4089E-02	8.3000E-07	2.0900E-06
1985		8.7270E-03	6.8860E-03	2.0975E-02	6.4000E-07	2.7300E-06
TOTAL	8.7270E-03		2.0975E-02		2.7300E-06	

ISOTOPE
UN-ID-ALPHA

M M M CURIES M M M

	L LIQUID TO STREAMS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		M 300 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972			2.2500E-03	2.2500E-03		
1973				2.2500E-03		
1974				2.2500E-03	3.6800E-05	3.6800E-05
1975				2.2500E-03	7.2000E-06	4.4000E-05
1976				2.2500E-03	6.7000E-06	5.0700E-05
1977			3.2000E-05	2.2820E-03	1.7490E-05	6.8190E-05
1978			3.1790E-06	2.2852E-03	1.0520E-05	7.8710E-05
1979				2.2852E-03	9.9380E-06	8.8640E-05
1980				2.2852E-03	3.6500E-06	9.2290E-05
1981	9.5000E-05	9.5000E-05		2.2852E-03	7.1100E-07	9.3000E-05
1982	2.1000E-05	1.1600E-04		2.2852E-03	8.6370E-06	1.0160E-04
1983	5.9000E-05	1.7500E-04		2.2852E-03	1.2140E-06	1.0280E-04
1984	3.5800E-04	9.3380E-04		2.2852E-03	5.7700E-06	1.0860E-04
1985	2.2300E-04	7.5600E-04		2.2852E-03	9.2760E-06	1.1790E-04
TOTAL	7.5600E-04		2.2852E-03		1.1790E-04	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
UN-ID-ALPHA

*** CURIES ***

	P 105 ATMOSPHERIC		P LIQUID TO STREAMS		P 61G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972			6.6000E-04	6.6000E-04		
1973	1.5880E-06	1.5880E-06		6.6000E-04		
1974	1.1600E-06	2.7480E-06	7.0000E-03	7.6600E-03		
1975	4.1800E-06	6.9280E-06	5.0000E-03	1.2660E-02		
1976	4.3600E-06	1.1280E-05	1.0000E-03	1.3660E-02		
1977	2.4000E-06	1.3680E-05	1.4690E-03	1.5129E-02		
1978	8.3000E-07	1.4510E-05	5.0540E-03	1.5180E-02	3.9650E-05	3.9650E-05
1979	4.0000E-07	1.4910E-05		1.5180E-02	3.1700E-04	3.5685E-04
1980	3.5000E-07	1.5260E-05		1.5180E-02	1.4600E-04	5.0265E-04
1981	1.0700E-06	1.6338E-05	7.0000E-05	1.5250E-02	6.0700E-04	1.1096E-03
1982	4.5000E-07	1.6788E-05	9.5000E-05	1.5345E-02	2.8320E-03	3.9416E-03
1983	4.0000E-07	1.7188E-05	1.3600E-04	1.5481E-02	1.4950E-03	5.4366E-03
1984	6.3000E-07	1.7818E-05	2.2200E-04	1.5703E-02	3.0980E-03	8.5346E-03
1985	1.6020E-06	1.9420E-05		1.5703E-02	8.6100E-04	9.3956E-03
TOTAL	1.9420E-05		1.5703E-02		9.3956E-03	

ISOTOPE
UN-ID-ALPHA

*** CURIES ***

CENTRAL SHOPS (FORD BUILDING) LIQUID TO SEEPAGE BASINS	
ORIGINAL RELEASE	DECAY CORRECTED
1954	
1955	
1956	
1957	
1958	
1959	
1960	
1961	
1962	
1963	
1964	
1965	
1966	
1967	
1968	
1969	
1970	
1971	
1972	
1973	
1974	
1975	
1976	
1977	
1978	
1979	
1980	2.0000E-06
1981	1.0000E-06
1982	7.3000E-05
1983	4.7300E-04
1984	1.0000E-06
1985	4.9000E-04
TOTAL	4.9000E-04

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
UN-ID-B+G

M M M CURIES M M M

	A 773 LIQUID TO STREAMS		A 773 ATMOSPHERIC		A 776 LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954					7.3070E-02	7.3070E-02
1955					1.8060E-01	2.5367E-01
1956					1.8170E-01	4.3537E-01
1957					2.5270E-01	6.8807E-01
1958			1.0000E-02	1.0000E-02	5.2930E-02	7.4100E-01
1959			4.9000E-01	5.0000E-01	4.9760E-02	7.9076E-01
1960			8.0000E-02	5.8000E-01	9.2000E-02	8.8276E-01
1961			9.0000E-02	6.7000E-01	7.0000E-02	9.5276E-01
1962			2.2000E-01	8.9000E-01	1.7400E+00	2.6928E+00
1963			1.8400E-01	1.0740E+00	2.8470E-01	2.9775E+00
1964			5.2100E-02	1.1261E+00	3.2130E-01	3.2988E+00
1965			8.6900E-02	1.2130E+00	1.7520E-01	3.4740E+00
1966			5.1000E-03	1.2181E+00	4.6300E-02	3.5203E+00
1967			1.2400E-02	1.2305E+00	1.0580E-01	3.6261E+00
1968			1.6000E-03	1.2321E+00	7.8580E-01	4.4119E+00
1969			1.0270E-02	1.2424E+00	1.3960E+00	5.8079E+00
1970	1.1500E-02	1.1500E-02	5.8600E-03	1.2482E+00	3.7210E+00	9.5289E+00
1971	1.7500E-01	1.8650E-01	1.4100E-03	1.2496E+00	6.4740E-01	1.0176E+01
1972	3.8200E-03	1.9032E-01	6.7000E-04	1.2503E+00	3.1900E-02	1.0208E+01
1973	3.4400E-03	1.9376E-01	7.0000E-06	1.2503E+00	3.0150E-01	1.9510E+01
1974	3.8200E-03	1.9758E-01	3.5000E-05	1.2503E+00	2.9470E-02	1.0539E+01
1975	5.3440E-03	2.0292E-01	3.1000E-05	1.2504E+00	7.9950E-03	1.0547E+01
1976	2.8820E-03	2.0581E-01	2.3000E-05	1.2504E+00	3.6860E-03	1.0551E+01
1977	1.8320E-03	2.0764E-01	7.0000E-06	1.2504E+00	1.9950E-03	1.0553E+01
1978	7.7600E-04	2.0841E-01		1.2504E+00	8.5290E-04	1.0554E+01
1979	3.3500E-04	2.0875E-01		1.2504E+00	5.6900E-04	1.0554E+01
1980	2.4800E-04	2.0900E-01	3.6000E-05	1.2504E+00	2.6300E-04	1.0554E+01
1981	6.6400E-04	2.0966E-01	1.0000E-05	1.2505E+00	4.5200E-04	1.0555E+01
1982	6.4800E-04	2.1031E-01	1.9000E-05	1.2505E+00	1.0380E-03	1.0556E+01
1983	2.3500E-04	2.1054E-01	1.8500E-04	1.2507E+00		1.0556E+01
1984	3.7700E-04	2.1092E-01	5.1000E-05	1.2507E+00		1.0556E+01
1985	4.7500E-04	2.1140E-01	1.6000E-05	1.2507E+00		1.0556E+01
TOTAL	2.1140E-01		1.2507E+00		1.0554E+01	

ISOTOPE
UN-ID-B+G

M M M CURIES M M M

	C 105 ATMOSPHERIC		C LIQUID TO STREAMS		C 66G LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960	1.0000E-03	1.0000E-03				
1961	1.2500E-03	2.2500E-03				
1962	5.0000E-03	7.2500E-03				
1963	9.3000E-03	1.6550E-02				
1964	1.9000E-03	1.8450E-02				
1965	4.0000E-04	1.8850E-02				
1966	1.3000E-03	2.0150E-02				
1967	3.0000E-05	2.0180E-02				
1968	5.1000E-04	2.0690E-02				
1969	3.3500E-04	2.1025E-02				
1970	2.0000E-04	2.1225E-02				
1971	3.0000E-05	2.1255E-02				
1972	6.0000E-05	2.1315E-02				
1973	1.8100E-04	2.1496E-02				
1974	8.8000E-05	2.1584E-02				
1975	1.0000E-04	2.1684E-02				
1976	4.2100E-04	2.2105E-02				
1977	1.8100E-04	2.2286E-02				
1978	5.5000E-05	2.2341E-02	4.2820E-03	4.2820E-03		
1979	5.6000E-05	2.2397E-02	2.3500E-04	4.5170E-03	2.1400E-04	2.1400E-04
1980	9.4600E-04	2.3343E-02	3.3200E-01	3.3652E-01	2.1400E-04	2.1400E-04
1981	3.3300E-04	2.3676E-02	4.4600E-04	3.3696E-01	2.1400E-04	2.1400E-04
1982	5.5000E-05	2.3731E-02		3.3696E-01	2.1400E-04	2.1400E-04
1983	4.9000E-05	2.3780E-02		3.3696E-01	4.2095E-02	4.2304E-02
1984	1.6000E-04	2.3946E-02		3.3696E-01	1.9150E-01	2.3360E-01
1985	1.2000E-04	2.4066E-02		3.3696E-01		
TOTAL	2.4066E-02		3.3696E-01		2.3360E-01	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
UN-ID-B+G

*** CURIES ***

	D 400 LIQUID TO STREAMS		F 291 ATMOSPHERIC		F 281 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954					8.0000E-03	8.0000E-03
1955			9.5000E+00	9.5000E+00	4.5000E-02	5.3000E-02
1956			5.2600E+00	1.4760E+01	1.5700E-01	2.1000E-01
1957			5.8000E-01	1.5340E+01	5.1000E-02	2.6100E-01
1958				1.5340E+01	4.2000E-02	3.0300E-01
1959				1.5340E+01	5.9800E-01	9.0100E-01
1960				1.5340E+01	6.7000E+00	7.6010E+00
1961				1.5340E+01	2.8300E+00	1.0431E+01
1962				1.5340E+01	6.6700E-01	1.1098E+01
1963				1.5340E+01	7.2000E-01	1.1818E+01
1964	1.9000E-01	1.9000E-01		1.5340E+01	6.7000E-01	1.2488E+01
1965	2.2500E+00	2.4400E+00		1.5340E+01	1.9600E-01	1.2684E+01
1966	7.6000E-01	3.2000E+00		1.5340E+01	1.8000E-01	1.2864E+01
1967		3.2000E+00		1.5340E+01	6.9700E-01	1.3561E+01
1968		3.2000E+00		1.5340E+01	3.8900E-01	1.3950E+01
1969		3.2000E+00		1.5340E+01	2.2900E-01	1.4179E+01
1970		3.2000E+00		1.5340E+01	1.8000E-01	1.4359E+01
1971		3.2000E+00		1.5340E+01	4.9200E-01	1.4851E+01
1972		3.2000E+00		1.5340E+01	1.0900E-01	1.4960E+01
1973	1.8500E-03	3.2018E+00		1.5340E+01	1.9000E-01	1.5150E+01
1974	2.1910E-02	3.2238E+00		1.5340E+01	7.1230E-02	1.5221E+01
1975	1.9510E-02	3.2433E+00	1.3800E-04	1.5340E+01	3.2550E-02	1.5254E+01
1976	3.4360E-02	3.2776E+00	4.8000E-05	1.5340E+01	2.8240E-02	1.5282E+01
1977	1.1680E-02	3.2893E+00	1.6000E-05	1.5340E+01	2.8680E-02	1.5311E+01
1978	6.0580E-03	3.2954E+00	5.1200E-04	1.5341E+01	9.2780E-02	1.5403E+01
1979	1.6930E-02	3.3123E+00	1.1800E-04	1.5341E+01	7.7540E-02	1.5481E+01
1980	8.0860E-03	3.3204E+00	3.8400E-04	1.5341E+01	5.6380E-02	1.5537E+01
1981	9.9580E-03	3.3303E+00	4.7000E-05	1.5341E+01	3.0680E-01	1.5844E+01
1982	2.5870E-03	3.3329E+00	3.8700E-04	1.5342E+01	1.0250E-01	1.5947E+01
1983	1.3400E-02	3.3463E+00	5.0000E-06	1.5342E+01	1.9030E-02	1.5966E+01
1984	3.7080E-02	3.3834E+00		1.5342E+01	8.3690E-02	1.6049E+01
1985	2.6530E-02	3.4099E+00	5.9000E-05	1.5342E+01	8.5950E-02	1.6135E+01
TOTAL	3.4099E+00		1.5342E+01		1.6135E+01	

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UN-ID-B+G

*** CURIES ***

	F 470 LIQUID TO SEEPAGE BASINS		H 291 ATMOSPHERIC		H 281 LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954					8.4000E-02	8.4000E-02
1955			2.4400E+01	2.4400E+01	1.4810E+00	1.5650E+00
1956			3.1700E+00	2.7570E+01	2.5600E-01	1.8210E+00
1957			1.0900E+00	2.8660E+01	3.4300E-01	2.1640E+00
1958				2.8660E+01	3.4700E-01	2.5110E+00
1959				2.8660E+01	1.6000E+00	4.1110E+00
1960				2.8660E+01	4.0000E-01	4.5110E+00
1961				2.8660E+01	2.8600E-01	4.7970E+00
1962				2.8660E+01	6.8000E-01	5.4770E+00
1963				2.8660E+01	7.2500E-01	6.2020E+00
1964				2.8660E+01	1.1800E+00	7.3820E+00
1965				2.8660E+01	2.0970E+00	9.4790E+00
1966				2.8660E+01	1.3300E+01	2.2779E+01
1967				2.8660E+01	2.2000E-01	2.2999E+01
1968				2.8660E+01	1.7600E-01	2.3175E+01
1969				2.8660E+01	2.7300E-01	2.3448E+01
1970				2.8660E+01	1.2800E-01	2.3576E+01
1971				2.8660E+01	1.8400E-01	2.3760E+01
1972				2.8660E+01	9.0430E-02	2.3850E+01
1973				2.8660E+01	2.9130E-02	2.3880E+01
1974			1.0000E-05	2.8660E+01	3.7600E-03	2.3883E+01
1975	1.4000E-02	1.4000E-02	2.4000E-05	2.8660E+01	1.5120E-02	2.3898E+01
1976	4.0000E-03	1.8000E-02	2.0000E-05	2.8660E+01	1.6500E-02	2.3915E+01
1977	1.0000E-03	1.9000E-02	4.8000E-06	2.8660E+01	4.2760E-02	2.3958E+01
1978		1.9000E-02	7.8000E-05	2.8660E+01	4.0390E-02	2.3998E+01
1979	7.0000E-03	2.6000E-02		2.8660E+01	1.6840E-02	2.4015E+01
1980	3.0000E-03	2.9000E-02	1.5300E-04	2.8660E+01	2.5570E-02	2.4040E+01
1981	1.0950E-03	3.8095E-02	1.3900E-04	2.8660E+01	2.5950E-02	2.4066E+01
1982	1.4700E-02	4.4795E-02	5.8000E-05	2.8660E+01	1.2090E-02	2.4078E+01
1983	3.8330E-04	4.5178E-02	3.2000E-05	2.8660E+01	5.7320E-03	2.4084E+01
1984		4.5178E-02	7.3000E-05	2.8661E+01	1.2730E-02	2.4097E+01
1985		4.5178E-02	1.9400E-04	2.8661E+01		
TOTAL	4.5178E-02		2.8661E+01		2.4097E+01	

SRP RADIOACTIVE RELEASES, 1954-1985

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M M M C U R I E S M M M

	H 48G LIQUID TO SEEPAGE BASINS		K 105 ATMOSPHERIC		K LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961			1.8400E-03	1.8400E-03		
1962			1.7000E-03	2.5400E-03		
1963			4.0000E-03	7.5400E-03		
1964			1.6900E-02	2.4440E-02		
1965			1.4000E-03	2.5840E-02		
1966			8.0000E-04	2.6640E-02		
1967			5.0000E-04	2.7140E-02		
1968			2.1000E-04	2.7350E-02		
1969			7.6400E-04	2.8114E-02		
1970			4.5550E-04	2.8569E-02		
1971			1.4500E-04	2.8714E-02		
1972			5.0000E-05	2.8764E-02		
1973			1.9000E-04	2.8954E-02		
1974			2.8600E-04	2.9240E-02		
1975			9.9000E-05	2.9339E-02		
1976	1.1300E-01	1.1300E-01	1.2100E-04	2.9460E-02		
1977	2.0900E-01	3.2200E-01	1.2800E-04	2.9588E-02		
1978	1.0800E-01	4.3000E-01	1.7800E-04	2.9766E-02		
1979	4.1200E-01	8.4200E-01	6.6000E-05	2.9832E-02	3.4260E-06	3.4260E-06
1980	2.4300E-01	1.0850E+00	6.5000E-05	2.9897E-02	6.4820E-01	6.4820E-01
1981	1.4500E-01	1.2300E+00	3.0100E-04	3.0200E-02	5.1700E-03	6.5337E-01
1982	1.7830E-01	1.4083E+00	4.1900E-04	3.0619E-02		6.5337E-01
1983	1.2970E-01	1.5380E+00	1.8600E-04	3.0805E-02		6.5337E-01
1984	1.5210E-01	1.6901E+00	1.5100E-03	3.2315E-02		6.5337E-01
1985	6.9000E-02	1.7591E+00	1.3800E-04	3.2453E-02		6.5337E-01
TOTAL	1.7691E+00		1.7000E-04	3.2623E-02	6.5337E-01	

ISOTOPE

UN-ID-B+G

M M M C U R I E S M M M

	K 904-BGG LIQUID TO CONTAINMENT BASIN		L 105 ATMOSPHERIC		L LIQUID TO STREAMS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961			3.7000E-04	3.7000E-04		
1962			2.2700E-03	2.6400E-03		
1963			1.0000E-02	1.2640E-02		
1964			6.6000E-03	1.9240E-02		
1965			4.4000E-03	2.3640E-02		
1966			2.8000E-03	2.6440E-02		
1967	4.4000E+01	4.4000E+01	5.1000E-03	3.1540E-02		
1968	1.1600E+02	1.6000E+02	9.6000E-04	3.2500E-02		
1969		1.6000E+02	1.1000E-04	3.2610E-02		
1970		1.6000E+02		3.2610E-02		
1971		1.6000E+02		3.2610E-02		
1972		1.6000E+02		3.2610E-02		
1973		1.6000E+02		3.2610E-02		
1974		1.6000E+02		3.2610E-02		
1975		1.6000E+02		3.2610E-02		
1976		1.6000E+02		3.2610E-02		
1977		1.6000E+02		3.2610E-02		
1978		1.6000E+02		3.2610E-02		
1979		1.6000E+02		3.2610E-02		
1980		1.6000E+02		3.2610E-02		
1981		1.6000E+02		3.2610E-02	1.5810E-02	1.5810E-02
1982		1.6000E+02	3.6400E-04	3.2974E-02		1.5810E-02
1983		1.6000E+02	2.4000E-05	3.2998E-02	7.3000E-05	1.5883E-02
1984	3.6880E-02	1.6004E+02	1.0000E-06	3.2999E-02	4.5000E-05	1.5928E-02
1985	1.1360E-01	1.6015E+02	9.0000E-06	3.3008E-02	2.8700E-04	1.6215E-02
TOTAL	1.6015E+02		3.3008E-02		1.6215E-02	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
UN-ID-B+G

*** CURIES ***

	L 64G LIQUID TO SEEPAGE BASINS		L OIL AND CHEMICAL BASIN LIQUID TO SEEPAGE BASINS		P 105 ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960					2.1000E-04	2.1000E-04
1961					1.7500E-03	1.9600E-03
1962					6.9000E-02	7.0960E-02
1963					1.3000E-03	7.2260E-02
1964					1.0000E-03	7.3260E-02
1965					2.5000E-04	7.5760E-02
1966					9.0000E-04	7.6660E-02
1967					1.3000E-05	7.6673E-02
1968					1.1150E-03	7.7788E-02
1969					3.7500E-04	7.8163E-02
1970					3.1800E-04	7.8481E-02
1971					6.0000E-05	7.8541E-02
1972					9.1000E-05	7.8632E-02
1973					1.3200E-04	7.8764E-02
1974					5.8000E-05	7.8822E-02
1975					1.2300E-04	7.8945E-02
1976					1.3900E-04	7.9084E-02
1977			9.8300E-04	9.8300E-04	1.0900E-04	7.9193E-02
1978			3.8800E-04	1.3710E-03	2.7000E-05	7.9220E-02
1979			1.0400E-04	1.5550E-03	3.9000E-05	7.9259E-02
1980				1.5550E-03	1.7000E-04	7.9429E-02
1981				1.5550E-03	1.5300E-04	7.9581E-02
1982				1.5550E-03	2.6000E-05	7.9607E-02
1983				1.5550E-03	4.7000E-05	7.9654E-02
1984				1.5550E-03	7.4000E-05	7.9728E-02
1985	6.0600E-04	6.0600E-04		1.5550E-03	1.1100E-04	7.9839E-02
TOTAL	6.0600E-04		1.5550E-03		7.9839E-02	

ISOTOPE
UN-ID-B+G

*** CURIES ***

	P LIQUID TO STREAMS		P 610 LIQUID TO SEEPAGE BASINS		CMX-TNX LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954						
1955						
1956						
1957						
1958						
1959						
1960						
1961						
1962						
1963						
1964						
1965						
1966						
1967						
1968						
1969						
1970						
1971						
1972						
1973						
1974						
1975						
1976						
1977						
1978						
1979						
1980	3.2560E-03	3.2560E-03			9.0000E-06	9.0000E-06
1981		3.2560E-03				9.0000E-06
1982		3.2560E-03				9.0000E-06
1983		3.2560E-03				9.0000E-06
1984		3.2560E-03	5.0520E-01	3.0520E-01		9.0000E-06
1985		3.2560E-03	3.0590E-01	6.1110E-01	6.8000E-05	7.7000E-05
TOTAL	3.2560E-03		6.1110E-01		7.7000E-05	

SRP RADIOACTIVE RELEASES, 1954-1985

ISOTOPE
UN-ID-B+G

*** CURIES ***

	R 105 ATMOSPHERIC		CENTRAL SHOPS (FORD BUILDING) LIQUID TO SEEPAGE BASINS	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
1954				
1955				
1956				
1957				
1958				
1959				
1960	3.0000E-04	3.0000E-04		
1961	1.2000E-03	1.5000E-03		
1962	5.0000E-03	6.5000E-03		
1963	4.5000E-03	1.1000E-02		
1964	7.0000E-04	1.1700E-02	3.8000E-03	3.8000E-03
1965		1.1700E-02	1.8000E-02	1.8000E-02
1966		1.1700E-02	1.8000E-02	1.8000E-02
1967		1.1700E-02	1.8000E-02	1.8000E-02
1968		1.1700E-02	1.8000E-02	1.8000E-02
1969		1.1700E-02	1.8000E-02	1.8000E-02
1970		1.1700E-02	1.8000E-02	1.8000E-02
1971		1.1700E-02	1.8000E-02	1.8000E-02
1972		1.1700E-02	1.8000E-02	1.8000E-02
1973		1.1700E-02	1.8000E-02	1.8000E-02
1974		1.1700E-02	1.8000E-02	1.8000E-02
1975		1.1700E-02	1.8000E-02	1.8000E-02
1976		1.1700E-02	1.8000E-02	1.8000E-02
1977		1.1700E-02	1.8000E-02	1.8000E-02
1978		1.1700E-02	1.8000E-02	1.8000E-02
1979		1.1700E-02	4.0000E-04	1.8004E-02
1980		1.1700E-02	2.9000E-05	1.8333E-02
1981		1.1700E-02	2.0000E-04	1.8335E-02
1982		1.1700E-02	1.8500E-04	1.8520E-02
1983		1.1700E-02		1.8520E-02
1984		1.1700E-02	1.2000E-05	1.8532E-02
1985		1.1700E-02		1.8532E-02
TOTAL	1.1700E-02		1.8532E-02	

YEAR	ATMOSPHERIC, MILLICURIES			
	BUILDING 235-F		BUILDING 772-F	
	NONVOLATILE ALPHA	BETA	NONVOLATILE ALPHA	BETA
1961	0.001	1	-	-
1962	0.001	1	-	-
1963	0.001	1	-	-
1964	0.001	1	-	-
1965	0.001	2	-	-
1966	0.003	0.2	-	-
1967	0.3	2	-	-
1968	0.001	0.6	-	-
1969	0.012	0.1	-	-
1970	0.012	0.1	-	-
1971	0.019	0.1	-	-
1972	0.09	0.05	0.52	0.13
1973	0.06	0.07	0.19	0.6
1974	0.01	0.03	0.03	0.2
1975	0.002	0.01	0.03	0.1
1976	0.001	0.01	0.03	0.1
1977	*	*	0.07	0.05
1978	*	*	0.11	0.42
1979	*	*	0.05	0.10
1980	*	*	0.15	0.36
1981	*	*	0.28	1.7
1982	*	*	0.15	0.32
1983	*	*	0.03	0.18
1984	*	*	0.05	1.72
1985	*	*	0.02	0.84

- No releases recorded.
* Effluent diverted to sand filter.

SRP RADIOACTIVE RELEASES

SUMMARY C

TOTAL SRP RADIOACTIVE RELEASES

BY RADIONUCLIDE

SRP RADIOACTIVE RELEASES, 1954-1985

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	3.5907E+12	0.0	6.5280E+12	0.0	9.8777E+11	0.0
H-3	1.1528E+06	5.7888E+05	1.4443E+06	6.4459E+05	2.2694E+07	9.4145E+06
C-14	0.0	0.0	0.0	0.0	2.8431E+03	2.8373E+03
P-32	1.6012E+02	0.0	3.6367E+01	0.0	0.0	0.0
S-35	2.8571E+02	1.0550E-02	1.4680E+03	0.0	0.0	0.0
AP-41	0.0	0.0	0.0	0.0	6.1587E+06	0.0
CR-51	7.0874E+02	4.0427E-02	4.4821E+03	0.0	0.0	0.0
IN-54	1.1000E-05	6.4681E-07	6.4101E-01	2.1580E-05	0.0	0.0
CO-58	2.7237E+00	1.2575E-03	0.0	0.0	0.0	0.0
CD-60	1.7675E+01	2.5515E+00	6.6378E+01	4.1084E+00	9.1496E-02	1.2471E-02
ZN-65	7.7576E+00	1.4923E-02	1.4235E+02	1.6390E-06	0.0	0.0
SE-75	0.0	0.0	0.0	0.0	1.0630E-04	5.2927E-06
BR-82	0.0	0.0	0.0	0.0	4.0000E-02	0.0
KR-85	0.0	0.0	0.0	0.0	*9.2200E+06	5.9682E+06
KP-85M	0.0	0.0	0.0	0.0	1.1283E+05	0.0
KR-87	0.0	0.0	0.0	0.0	1.6175E+04	0.0
KR-88	0.0	0.0	0.0	0.0	8.7736E+04	0.0
SR-89	1.0445E+02	1.2225E-03	2.1640E+02	0.0	0.0	0.0
SR-90	2.9896E+02	1.5824E+02	1.0298E+02	6.1535E+01	0.0	0.0
SR-89-90	1.1266E-01	7.2222E-02	5.8775E-02	4.0013E-02	1.5345E+00	8.6756E-01
Y-91	5.1845E-01	2.7161E-04	1.1603E+02	0.0	0.0	0.0
ZR-95	7.6221E+01	1.4879E+00	0.0	0.0	5.5066E-01	4.2134E-03
HB-95	6.6129E+01	2.3145E-01	0.0	0.0	1.0640E+00	1.3110E-03
ZR-HB-95	6.9194E+02	1.8739E-02	1.2730E+02	0.0	2.5597E+00	0.0
IO-99	0.0	0.0	2.2880E+01	1.8949E+01	0.0	0.0
RU-103	3.2561E+01	3.1489E-02	0.0	0.0	1.9061E+01	4.5337E-04
RU-106	1.6370E+03	8.9422E+00	0.0	0.0	4.5825E+01	3.0458E-01
RU-103-106	6.2490E+01	4.4090E-03	5.8630E+01	9.3718E-05	9.3117E+01	1.2876E-04
SB-124	9.6508E+00	0.0	7.5400E+00	0.0	0.0	0.0
SB-125	3.7700E+00	5.6673E-01	4.1000E-04	1.0310E-05	0.0	0.0
SB-124-125	2.5338E+00	2.6755E-01	2.2882E-02	1.0490E-03	0.0	0.0
I-129	0.0	0.0	1.3000E-01	1.3000E-01	5.3990E+00	5.3990E+00
I-131	2.6392E+03	0.0	3.0171E+02	0.0	2.5180E+03	0.0
I-133	0.0	0.0	0.0	0.0	1.0210E-02	0.0
XE-131M	0.0	0.0	0.0	0.0	1.0128E+04	1.3228E-04
YE-133	0.0	0.0	0.0	0.0	4.5185E+05	1.2326E-07
CS-134	1.2587E+01	5.2695E-01	5.4680E-01	1.3289E-02	9.0390E-03	4.1453E-04
XE-135	0.0	0.0	0.0	0.0	1.5105E+05	0.0
CS-137	1.3073E+03	7.3804E+02	6.0631E+02	3.7109E+02	2.4291E+00	1.3000E+00
CS-134-137	0.0	0.0	6.9210E-03	5.9184E-03	0.0	0.0
BA-LA-140	6.2642E+01	0.0	2.2175E+02	0.0	0.0	0.0
CE-141	2.6938E+00	0.0	0.0	0.0	4.6001E-02	7.9227E-05
CE-144	4.4291E+01	3.4136E-01	0.0	0.0	7.1978E-01	3.8166E-02
CE-141-144	3.0678E+02	6.7078E-02	3.5043E+02	1.0776E-04	3.3978E+00	6.0796E-07
PM-147	1.6852E+02	2.1455E+00	1.0980E+02	7.1832E-01	0.0	0.0
OS-185	0.0	0.0	0.0	0.0	1.5300E-03	1.5624E-04
U-NAT	1.5533E+01	1.5533E+01	2.4634E+01	2.4634E+01	8.3749E-01	8.3749E-01
TH-232	1.6670E-01	1.6670E-01	0.0	0.0	0.0	0.0
PU-238	3.9193E+00	3.4943E+00	1.0274E-01	9.2142E-02	6.9278E-01	6.1176E-01
HP-239	1.0248E+01	0.0	1.4294E+03	0.0	0.0	0.0
PU-239	7.9021E+00	7.8974E+00	0.0	0.0	3.0210E+00	3.0185E+00
AM-241	2.6758E-01	2.6572E-01	0.0	0.0	4.8130E-03	4.7749E-03
CM-242	0.0	0.0	0.0	0.0	2.3400E-03	0.0
CM-244	3.8347E-01	2.8795E-01	3.8572E-01	2.1959E-01	8.9029E-02	4.4056E-02
UN-ID-ALPHA	4.2022E+00	4.2022E+00	4.7468E-01	4.7468E-01	7.5531E-02	7.5531E-02
UN-ID-B+G	1.7339E+02	1.7339E+02	4.4863E+01	4.4863E+01	4.5434E+01	4.5434E+01

*RELEASES FOR 1971 THROUGH 1985; RELEASE DATA FOR 1954 THROUGH 1970 ARE SECRET.

SRP RADIOACTIVE RELEASES, 1954

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	1.2300E+08	0.0	1.1374E+10	0.0	0.0	0.0
H-3	0.0	0.0	3.6600E+02	3.5584E+02	2.1600E+02	2.1000E+02
AR-41	0.0	0.0	0.0	0.0	5.0000E+04	0.0
CO-60	0.0	0.0	6.0000E-02	5.6168E-02	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	4.0000E+01	0.0
KR-88	0.0	0.0	0.0	0.0	4.0000E+01	0.0
SR-90	0.0	0.0	3.9000E-02	3.8521E-02	0.0	0.0
RU-103-106	0.0	0.0	4.5000E-02	3.1886E-02	0.0	0.0
XE-133	0.0	0.0	0.0	0.0	6.0000E+01	0.0
XE-135	0.0	0.0	0.0	0.0	8.0000E+01	0.0
CS-137	0.0	0.0	1.8000E-01	1.7793E-01	0.0	0.0
PH-147	0.0	0.0	6.0000E-02	5.2580E-02	0.0	0.0
UN-ID-ALPHA	2.8000E-04	2.8000E-04	2.4000E-03	2.4000E-03	0.0	0.0
UN-ID-B+O	7.3070E-02	7.3070E-02	8.0000E-03	8.0000E-03	0.0	0.0

SRP RADIOACTIVE RELEASES, 1955

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	1.4183E+08	0.0	2.3749E+10	0.0	2.8927E+10	0.0
H-3	0.0	0.0	5.8700E+03	5.7071E+03	3.6050E+04	3.5049E+04
C-14	0.0	0.0	0.0	0.0	8.3000E+01	8.2995E+01
AR-41	0.0	0.0	0.0	0.0	1.4000E+05	0.0
CO-60	0.0	0.0	2.2400E-01	2.0969E-01	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	1.0000E+02	0.0
KR-88	0.0	0.0	0.0	0.0	1.0000E+02	0.0
SR-90	6.7000E-01	6.6178E-01	1.4000E-01	1.4381E-01	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	4.2580E-01	4.2037E-01
RU-106	1.3956E+01	9.8889E+00	0.0	0.0	2.5067E+01	1.7762E+01
RU-103-106	0.0	0.0	1.6000E-01	1.1904E-01	2.1150E-01	2.1150E-01
I-129	0.0	0.0	0.0	0.0	6.9200E+01	1.0512E-05
I-131	4.8900E+02	7.4283E-05	0.0	0.0	2.0000E+02	0.0
XE-133	0.0	0.0	0.0	0.0	3.0000E+02	0.0
XE-135	0.0	0.0	0.0	0.0	1.3470E+00	1.3315E+00
CS-137	7.0200E-01	6.9394E-01	6.7200E-01	6.6428E-01	0.0	0.0
PH-147	1.3800E+00	1.2093E+00	2.2400E-01	1.9630E-01	3.0600E-01	3.0600E-01
U-NAT	1.6590E-01	1.6590E-01	7.0000E-02	7.0000E-02	2.6620E+00	2.6620E+00
PU-239	1.1410E-01	1.1410E-01	0.0	0.0	0.0	0.0
UN-ID-ALPHA	2.4700E-02	2.4700E-02	5.7600E-02	5.7600E-02	3.3900E+01	3.3900E+01
UN-ID-B+O	1.8060E-01	1.8060E-01	1.2900E-01	1.2900E-01		

SRP RADIOACTIVE RELEASES, 1956

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	2.3762E+08	0.0	1.9841E+10	0.0	2.8926E+10	0.0
H-3	0.0	0.0	9.3900E+03	9.1294E+03	4.6860E+05	4.5559E+05
C-14	0.0	0.0	0.0	0.0	8.4000E+01	8.3995E+01
AR-41	0.0	0.0	0.0	0.0	2.3000E+05	0.0
CO-60	0.0	0.0	6.0600E-01	5.6730E-01	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	3.0000E+02	0.0
KR-88	0.0	0.0	0.0	0.0	2.0000E+02	0.0
SR-90	1.0040E+01	9.9168E+00	3.9390E-01	3.8907E-01	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	5.4800E-02	5.6103E-02
RU-106	2.3240E+01	1.6467E+01	0.0	0.0	0.0	0.0
RU-103-106	0.0	0.0	4.5450E-01	3.2205E-01	6.3400E+00	4.4924E+00
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	9.3900E+02	1.4264E-04	0.0	0.0	1.5760E+03	2.3941E-04
XE-133	0.0	0.0	0.0	0.0	4.0000E+02	0.0
XE-135	0.0	0.0	0.0	0.0	5.0000E+02	0.0
CS-137	1.6120E+00	1.5935E+00	1.8180E+00	1.7971E+00	2.3946E-01	2.3671E-01
PH-147	3.5600E+00	3.1198E+00	6.0600E-01	5.3106E-01	0.0	0.0
U-NAT	7.1990E-01	7.1990E-01	5.2000E-01	5.2000E-01	1.1900E-01	1.1900E-01
PU-239	5.6010E-01	5.6009E-01	0.0	0.0	3.1000E-02	3.1000E-02
UN-ID-ALPHA	7.8710E-02	7.8710E-02	4.2100E-02	4.2100E-02	0.0	0.0
UN-ID-B+O	1.8170E-01	1.8170E-01	1.6380E+00	1.6380E+00	8.4300E+00	8.4300E+00

SRP RADIOACTIVE RELEASES, 1957

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	3.9804E+08	0.0	1.7131E+10	0.0	2.3927E+10	0.0
H-3	9.1800E+03	8.9252E+03	1.5025E+04	1.4608E+04	1.2010E+06	1.1677E+06
C-14	0.0	0.0	0.0	0.0	8.4000E+01	8.3995E+01
AR-41	0.0	0.0	0.0	0.0	2.9000E+05	0.0
CO-60	2.3640E+00	2.2130E+00	1.6396E+00	1.5349E+00	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	7.0000E+02	0.0
KR-88	0.0	0.0	0.0	0.0	6.0000E+02	0.0
SR-90	1.8484E+02	1.8257E+02	1.0922E+01	1.0788E+01	2.1200E-02	2.0940E-02
SR-89-90	0.0	0.0	0.0	0.0	1.2389E+00	8.7785E-01
RU-106	4.8850E+01	3.4614E+01	0.0	0.0	2.1150E-01	2.1150E-01
RU-103-106	1.7088E+01	1.2108E+01	2.1500E+00	1.5234E+00	2.9200E+02	4.4357E-05
I-129	0.0	0.0	0.0	0.0	1.0000E+02	0.0
I-131	8.7000E+02	1.3216E-04	6.5000E+01	9.8740E-06	1.0000E+02	0.0
XE-133	0.0	0.0	0.0	0.0	6.2690E-02	6.1473E-02
XE-135	0.0	0.0	0.0	0.0	0.0	0.0
CS-137	7.9031E+02	7.8124E+02	4.9314E+01	4.8748E+01	2.2500E-03	2.2500E-03
PM-147	4.8140E+00	4.2187E+00	1.6396E+00	1.4368E+00	4.2750E-02	4.2749E-02
U-NAT	7.7760E-01	7.7760E-01	1.0500E-01	1.0500E-01	0.0	0.0
PU-239	4.1240E-01	4.1239E-01	0.0	0.0	1.6700E+00	1.6700E+00
UN-ID-ALPHA	3.5620E-02	3.5620E-02	4.0000E-03	4.0000E-03		
UN-ID-B+G	2.5270E-01	2.5270E-01	3.0700E-01	3.0700E-01		

SRP RADIOACTIVE RELEASES, 1958

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	2.3628E+08	0.0	2.4837E+10	0.0	3.6017E+10	0.0
H-3	6.4360E+03	6.2573E+03	2.4442E+04	2.3764E+04	2.3635E+06	2.2978E+06
C-14	0.0	0.0	0.0	0.0	8.4000E+01	8.3995E+01
AR-41	0.0	0.0	0.0	0.0	3.4000E+05	0.0
CO-60	9.0800E-01	8.5001E-01	1.0740E+00	1.0054E+00	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	1.8000E+03	0.0
KR-88	0.0	0.0	0.0	0.0	1.7000E+03	0.0
SR-90	1.5062E+01	1.4877E+01	6.9783E-01	6.8926E-01	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	2.3600E-02	2.3310E-02
RU-106	2.8200E+01	1.9982E+01	0.0	0.0	0.0	0.0
RU-103-106	6.8100E-01	4.8254E-01	8.0550E-01	5.7076E-01	6.1660E-01	4.3691E-01
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	2.4800E+01	3.7673E-06	0.0	0.0	1.9930E+01	3.0275E-06
XE-133	0.0	0.0	0.0	0.0	2.6000E+03	0.0
XE-135	0.0	0.0	0.0	0.0	4.0000E+03	0.0
CS-137	1.0042E+02	9.9269E+01	3.2220E+00	3.1850E+00	2.5900E-02	2.5603E-02
PM-147	4.0820E+00	3.5772E+00	1.0740E+00	9.4119E-01	0.0	0.0
U-NAT	5.1200E-01	5.1200E-01	3.6000E-02	3.6000E-02	1.6000E-03	1.6000E-03
PU-239	4.9000E-01	4.8999E-01	0.0	0.0	2.8900E-02	2.8900E-02
UN-ID-ALPHA	4.3580E-02	4.3580E-02	1.1000E-02	1.1000E-02	0.0	0.0
UN-ID-B+G	5.2930E-02	5.2930E-02	3.8500E-01	3.8500E-01	1.0000E-02	1.0000E-02

SRP RADIOACTIVE RELEASES, 1959

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	2.6004E+08	0.0	2.6345E+10	0.0	3.5650E+10	0.0
H-3	1.4000E+04	1.3611E+04	4.1952E+04	4.0788E+04	1.0450E+06	1.0160E+06
C-14	0.0	0.0	0.0	0.0	1.3800E+02	1.3799E+02
AR-41	0.0	0.0	0.0	0.0	4.4000E+05	0.0
CO-60	4.7400E-01	4.4373E-01	2.6460E+00	2.4770E+00	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	3.4000E+03	0.0
KR-88	0.0	0.0	0.0	0.0	3.2000E+03	0.0
SR-90	2.8122E+01	1.9875E+01	1.7199E+00	1.6988E+00	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	3.1400E-01	3.1015E-01
RU-106	1.3730E+02	9.7287E+01	0.0	0.0	0.0	0.0
RU-103-106	3.5550E-01	2.5190E-01	1.9845E+00	1.4862E+00	9.9880E+00	7.0772E+00
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	6.0100E+01	9.1296E-06	0.0	0.0	1.6210E+02	2.4609E-05
XE-133	0.0	0.0	0.0	0.0	5.0000E+03	1.8876E-07
XE-135	0.0	0.0	0.0	0.0	6.5000E+03	0.0
CS-137	3.3466E+01	3.3082E+01	7.9380E+00	7.8468E+00	1.3800E-01	1.3642E-01
PM-147	1.4054E+01	1.2316E+01	2.6460E+00	2.3188E+00	0.0	0.0
U-NAT	6.9600E-01	6.9600E-01	3.9000E-02	3.9000E-02	7.1500E-03	7.1500E-03
PU-239	5.3200E-01	5.3199E-01	0.0	0.0	2.3850E-02	2.3850E-02
UN-ID-ALPHA	1.9120E-02	1.9120E-02	1.3000E-02	1.3000E-02	0.0	0.0
UN-ID-B+G	4.9760E-02	4.9760E-02	9.4500E-01	9.4500E-01	4.9000E-01	4.9000E-01

SRP RADIOACTIVE RELEASES, 1960

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	4.0558E+08	0.0	3.5772E+10	0.0	4.1232E+10	0.0
H-3	1.7743E+04	1.7250E+04	4.8529E+04	4.7182E+04	9.5081E+05	9.2442E+05
C-14	0.0	0.0	0.0	0.0	1.3800E+02	1.3799E+02
AR-41	0.0	0.0	0.0	0.0	4.0000E+05	0.0
CR-51	0.0	0.0	1.1450E+01	1.2099E-01	0.0	0.0
CO-60	2.6620E-01	2.4920E-01	7.7900E+00	7.2925E+00	0.0	0.0
ZN-65	0.0	0.0	4.2900E+00	2.5582E+00	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	4.6000E+03	0.0
KR-88	0.0	0.0	0.0	0.0	4.8000E+03	0.0
SR-90	5.1941E+00	5.1304E+00	1.8420E+01	1.8194E+01	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	5.3000E-02	5.2349E-02
ZR-NB-95	1.8440E+02	2.4367E+01	7.4300E+00	1.0624E+00	2.1200E-01	3.0313E-02
MO-99	0.0	0.0	1.0310E+01	1.0271E+01	0.0	0.0
RU-106	1.5700E+02	1.1125E+02	0.0	0.0	0.0	0.0
RU-103-106	1.9993E-01	1.4167E-01	9.0400E+00	6.4055E+00	8.8540E+00	6.2737E+00
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	5.4160E+00	7.7473E-07	2.4340E+01	3.6974E-06	7.3030E+00	1.1066E-06
XE-131M	0.0	0.0	0.0	0.0	6.9000E+02	1.8255E-02
XE-133	0.0	0.0	0.0	0.0	7.4100E+03	2.7974E-07
XE-135	0.0	0.0	0.0	0.0	9.6000E+03	0.0
CS-137	8.7986E+00	8.6976E+00	3.4803E+01	3.4803E+01	1.2400E-01	1.2258E-01
BA-LA-140	0.0	0.0	2.0760E+01	1.0416E-03	0.0	0.0
CE-141-144	8.3200E+01	5.3290E+01	4.0730E+01	2.6088E+01	2.4300E-01	1.5564E-01
PH-147	2.1298E+01	1.8644E+01	7.7900E+00	6.8267E+00	0.0	0.0
U-NAT	8.3550E-01	8.3550E-01	1.1000E-01	1.1000E-01	1.9980E-02	1.9980E-02
NP-239	0.0	0.0	5.5540E+01	0.0	0.0	0.0
PU-239	2.5950E-01	2.5950E-01	0.0	0.0	7.1020E-02	7.1019E-02
UN-ID-ALPHA	3.0000E-02	3.0000E-02	1.6800E-02	1.6800E-02	0.0	0.0
UN-ID-B+G	9.2000E-02	9.2000E-02	8.3000E+00	8.3000E+00	8.3720E-02	8.3720E-02

SRP RADIOACTIVE RELEASES, 1961

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	3.0637E+08	0.0	2.7197E+10	0.0	4.1232E+10	0.0
H-3	3.3878E+04	3.2938E+04	5.5840E+04	5.4298E+04	8.8558E+05	8.6100E+05
C-14	0.0	0.0	0.0	0.0	1.3800E+02	1.3799E+02
S-35	0.0	0.0	6.6000E+01	1.5716E+01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	4.2000E+05	0.0
CR-51	0.0	0.0	6.1500E+01	6.4988E-01	0.0	0.0
CO-60	1.5884E-01	1.4869E-01	6.3300E+00	5.9257E+00	0.0	0.0
ZN-65	0.0	0.0	2.8580E+01	1.2272E+01	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	2.4000E+03	0.0
KR-88	0.0	0.0	0.0	0.0	2.3000E+03	0.0
SR-89	0.0	0.0	1.1370E+01	1.0010E+00	0.0	0.0
SR-90	5.6132E+00	5.5443E+00	4.2400E+00	4.1880E+00	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	4.1000E-02	4.0497E-02
ZR-NB-95	6.3900E+01	9.1369E+00	6.9800E+00	9.9805E-01	2.9900E-01	4.2753E-02
MO-99	0.0	0.0	9.3100E+00	9.2747E+00	0.0	0.0
RU-106	5.3200E+01	3.7696E+01	0.0	0.0	0.0	0.0
RU-103-106	1.1913E-01	8.4412E-02	7.0100E+00	4.9671E+00	3.9130E+00	2.7727E+00
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	1.5758E+02	2.3895E-05	2.8770E+01	4.3784E-06	1.6193E+02	2.4457E-05
XE-131M	0.0	0.0	0.0	0.0	5.0000E+02	1.3228E-02
XE-133	0.0	0.0	0.0	0.0	4.8280E+03	1.5176E-07
XE-135	0.0	0.0	0.0	0.0	4.7800E+03	0.0
CS-137	2.1666E+01	2.1418E+01	1.8950E+01	1.8732E+01	4.8000E-02	4.7449E-02
BA-LA-140	0.0	0.0	1.8050E+01	9.8565E-04	0.0	0.0
CE-141-144	3.9670E+01	2.5489E+01	3.5820E+01	2.2943E+01	2.8400E-01	1.8190E-01
PH-147	6.5678E+00	5.7557E+00	6.3300E+00	5.5472E+00	0.0	0.0
U-NAT	3.6590E-01	3.6590E-01	1.1000E-01	1.1000E-01	1.8200E-02	1.8200E-02
NP-239	0.0	0.0	1.3084E+02	0.0	0.0	0.0
PU-239	2.8210E-01	2.8210E-01	0.0	0.0	1.8800E-02	1.8800E-02
UN-ID-ALPHA	2.9000E-02	2.9000E-02	1.6800E-02	1.6800E-02	2.2000E-04	2.2000E-04
UN-ID-B+G	7.0000E-02	7.0000E-02	3.2300E+00	3.2300E+00	9.8170E-02	9.8170E-02

SRP RADIOACTIVE RELEASES, 1962

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	5.8557E+08	0.0	2.6835E+10	0.0	4.1232E+10	0.0
H-3	3.4798E+04	3.3832E+04	4.8382E+04	4.7039E+04	1.1115E+06	1.0806E+06
C-14	0.0	0.0	0.0	0.0	1.3800E+02	1.3799E+02
S-35	0.0	0.0	5.1165E+02	1.2183E+02	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	4.3000E+05	0.0
CR-51	0.0	0.0	2.1128E+02	2.2326E+00	0.0	0.0
CO-60	8.1460E-02	7.6257E-02	1.2690E+01	1.1879E+01	0.0	0.0
ZN-65	0.0	0.0	3.1920E+01	1.9034E+01	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	1.8000E+03	0.0
KR-88	0.0	0.0	0.0	0.0	1.7000E+03	0.0
SR-89	0.0	0.0	3.4280E+01	3.0179E+00	0.0	0.0
SR-90	3.8729E+00	3.8254E+00	6.5600E+00	6.4795E+00	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	3.3000E-02	3.2595E-02
ZR-NB-95	2.9480E+01	4.2153E+00	1.7150E+01	2.4522E+00	1.7420E-01	2.4908E-02
MO-99	0.0	0.0	3.2600E+00	3.2476E+00	0.0	0.0
RU-106	1.1638E+02	8.2464E+01	0.0	0.0	0.0	0.0
RU-103-106	6.1095E-02	4.3290E-02	6.9000E+00	4.8892E+00	2.7750E+00	1.9663E+00
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	7.1800E+00	1.0497E-06	8.7100E+01	1.3231E-05	1.6664E+01	2.5139E-06
XE-131M	0.0	0.0	0.0	0.0	2.9003E+02	7.6724E-03
XE-133	0.0	0.0	0.0	0.0	2.6000E+03	0.0
XE-135	0.0	0.0	0.0	0.0	3.4000E+03	0.0
CS-137	6.5044E+01	6.4297E+01	3.7590E+01	3.7158E+01	3.7000E-02	3.6575E-02
BA-LA-140	0.0	0.0	6.7910E+01	3.4074E-03	0.0	0.0
CE-141-144	1.2110E+01	7.7565E+00	2.2620E+01	1.4488E+01	2.1250E-01	1.3611E-01
PM-147	1.4184E+01	1.2430E+01	1.2690E+01	1.1121E+01	0.0	0.0
U-NAT	6.5820E-01	6.5820E-01	5.3000E-01	5.3000E-01	8.8400E-03	8.8600E-03
NP-239	0.0	0.0	9.0900E+01	0.0	0.0	0.0
PU-239	5.9880E-01	5.9879E-01	0.0	0.0	1.140E-02	1.140E-02
UN-ID-ALPHA	4.0000E-02	4.0000E-02	1.1500E-02	1.1500E-02	3.0000E-04	3.0000E-04
UN-ID-B+G	1.7400E+00	1.7400E+00	9.5300E-01	9.5300E-01	3.1300E-01	3.1300E-01

SRP RADIOACTIVE RELEASES, 1963

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	5.5073E+08	0.0	2.7756E+10	0.0	3.6159E+10	0.0
H-3	2.9206E+04	2.8393E+04	7.7394E+04	7.5246E+04	1.1286E+06	1.0973E+06
C-14	0.0	0.0	0.0	0.0	1.3800E+02	1.3799E+02
S-35	0.0	0.0	1.5558E+02	3.7046E+01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	4.3000E+05	0.0
CR-51	0.0	0.0	1.2804E+03	1.3530E+01	0.0	0.0
CO-60	7.5400E-01	7.0584E-01	5.0700E+00	4.7462E+00	0.0	0.0
ZN-65	0.0	0.0	3.3400E+01	1.9917E+01	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	6.8000E+03	0.0
KR-88	0.0	0.0	0.0	0.0	6.3000E+03	0.0
SR-89	5.6900E+00	5.0093E-01	3.3710E+01	2.9677E+00	0.0	0.0
SR-90	1.0480E+01	1.0351E+01	1.0510E+01	1.0381E+01	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	3.5400E-02	3.4965E-02
ZR-NB-95	6.8760E+01	9.8318E+00	3.2130E+01	4.5942E+00	1.5010E-01	2.1462E-02
RU-106	1.2252E+02	8.6815E+01	0.0	0.0	0.0	0.0
RU-103-106	5.6550E-01	4.0070E-01	1.2530E+01	8.8784E+00	3.8890E+00	2.7556E+00
SB-125	1.0000E-01	8.8073E-02	0.0	0.0	0.0	0.0
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	2.9100E+00	4.4205E-07	4.6450E+01	7.0561E-06	4.8210E+00	7.3098E-07
XE-131M	0.0	0.0	0.0	0.0	1.4000E+02	3.7039E-03
XE-133	0.0	0.0	0.0	0.0	8.4000E+03	3.1711E-07
XE-135	0.0	0.0	0.0	0.0	1.2000E+04	0.0
CS-137	2.5692E+01	2.5397E+01	9.7360E+01	9.6242E+01	2.5200E-02	2.4911E-02
BA-LA-140	0.0	0.0	5.2080E+01	2.6131E-03	0.0	0.0
CE-141-144	3.0610E+01	1.9606E+01	5.0310E+01	3.2224E+01	2.5930E-01	1.5327E-01
PM-147	1.4618E+01	1.2810E+01	5.0700E+00	4.4430E+00	0.0	0.0
U-NAT	7.0532E-01	7.0532E-01	1.9530E+00	1.9530E+00	3.1500E-02	3.1500E-02
NP-239	0.0	0.0	7.8418E+02	0.0	0.0	0.0
PU-239	3.7338E-01	3.7337E-01	0.0	0.0	3.5000E-03	3.5000E-03
UN-ID-ALPHA	2.8700E-02	2.8700E-02	1.6000E-02	1.6000E-02	2.4200E-04	2.4200E-04
UN-ID-B+G	2.8470E-01	2.8470E-01	1.4000E+00	1.4000E+00	2.2240E-01	2.2260E-01

SRP RADIOACTIVE RELEASES, 1964

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	9.1122E+08	0.0	2.8488E+10	0.0	3.6159E+10	0.0
H-3	4.4569E+04	4.3332E+04	8.5383E+04	8.3013E+04	1.5224E+06	1.4802E+06
C-14	0.0	0.0	0.0	0.0	1.1000E+02	1.0999E+02
P-32	0.0	0.0	3.0700E+00	4.4018E-04	0.0	0.0
S-35	0.0	0.0	9.1290E+01	2.1738E+01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	3.7000E+05	0.0
CR-51	6.0860E+01	6.4312E-01	1.0853E+03	1.1469E+01	0.0	0.0
MH-54	0.0	0.0	6.2000E-01	4.1361E-01	0.0	0.0
CO-60	2.7000E+00	2.5276E+00	3.1100E+00	2.9114E+00	0.0	0.0
ZH-65	4.0000E-02	2.3852E-02	1.9930E+01	1.1884E+01	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	9.0000E+02	0.0
KR-88	0.0	0.0	0.0	0.0	5.0000E+02	0.0
SR-89	1.3100E+00	1.1533E-01	6.1990E+01	5.4574E+00	0.0	0.0
SR-90	4.5400E+00	4.4843E+00	9.5700E+00	9.4525E+00	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	3.9500E-02	3.9015E-02
ZR-NB-95	1.5679E+02	2.2419E+01	1.9720E+01	2.8197E+00	2.2240E-01	3.1829E-02
RU-106	2.3370E+02	1.6559E+02	0.0	0.0	0.0	0.0
RU-103-106	5.0200E+00	3.5570E+00	7.8600E+00	5.5694E+00	2.6150E+00	1.8529E+00
SB-114	0.0	0.0	7.5000E+00	9.0024E-01	0.0	0.0
SR-125	1.0000E-01	8.8073E-02	0.0	0.0	0.0	0.0
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	1.2450E+01	1.8912E-06	8.7000E+00	1.1803E-06	1.1608E+01	1.7633E-06
XE-131M	0.0	0.0	0.0	0.0	1.7000E+02	4.4976E-07
XE-133	0.0	0.0	0.0	0.0	2.0000E+03	0.0
XE-135	0.0	0.0	0.0	0.0	8.0000E+02	0.0
CS-137	2.1320E+01	2.1075E+01	1.0854E+02	1.0729E+02	3.6700E-02	6.5934E-02
BA-LA-140	4.0000E-01	2.0070E-05	3.6300E+01	1.8213E-03	0.0	0.0
CE-141-144	3.0370E+01	1.9452E+01	8.7390E+01	5.5974E+01	3.2020E-01	2.0509E-01
PM-147	3.3680E+01	2.9515E+01	3.1100E+00	2.7254E+00	0.0	0.0
U-NAT	1.8254E+00	1.8254E+00	4.9600E-01	4.9600E-01	5.5540E-02	5.5540E-02
HP-239	1.1000E-01	0.0	1.8115E+02	0.0	0.0	0.0
PU-239	1.6326E-01	1.6326E-01	0.0	0.0	5.5600E-03	5.5599E-03
CM-244	0.0	0.0	0.0	0.0	3.1700E-02	3.1093E-02
UN-ID-ALPHA	3.2100E-02	3.2100E-02	1.5000E-02	1.5000E-02	0.0	0.0
UN-ID-B+G	3.2510E-01	3.2510E-01	1.5850E+00	1.5850E+00	6.1500E-02	6.1500E-02

SRP RADIOACTIVE RELEASES, 1965

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	1.2029E+09	0.0	2.7965E+10	0.0	2.6829E+10	0.0
H-3	4.5263E+04	4.4007E+04	1.0406E+05	1.0117E+05	7.4405E+05	7.2339E+05
C-14	0.0	0.0	0.0	0.0	1.1000E+02	1.0999E+02
P-32	3.7000E+01	5.3051E-03	1.3610E+01	1.9514E-03	0.0	0.0
S-35	0.0	0.0	8.5830E+01	2.0437E+01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	2.7000E+05	0.0
CR-51	9.9728E+01	1.0538E+00	7.8340E+02	8.2783E+00	0.0	0.0
CD-60	1.6440E+00	1.5390E+00	1.0800E+01	1.0110E+01	0.0	0.0
ZH-65	3.3400E-01	1.9917E-01	8.9400E+00	5.3310E+00	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	2.0000E+03	0.0
KR-88	0.0	0.0	0.0	0.0	1.2000E+03	0.0
SR-89	1.2400E+00	1.0917E-01	6.8800E+00	6.0569E-01	0.0	0.0
SR-90	6.7320E+00	6.6494E+00	4.9700E+00	4.9090E+00	0.0	0.0
SR-89-90	4.6300E-02	4.5732E-02	0.0	0.0	1.9500E-02	1.9261E-02
Y-91	0.0	0.0	2.7740E+01	3.2313E+00	0.0	0.0
ZR-NB-95	3.9671E+01	5.6724E+00	6.1300E+00	8.7651E-01	2.1620E-01	3.0914E-02
RU-106	1.0348E+02	7.3323E+01	0.0	0.0	0.0	0.0
RU-103-106	3.0151E+01	2.1364E+01	3.8460E+00	2.7209E+00	2.7600E+00	1.9557E+00
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	8.5620E+00	1.3003E-06	5.3900E+00	7.4690E-07	1.8066E+01	2.6335E-06
XE-131M	0.0	0.0	0.0	0.0	6.1000E+02	1.6119E-02
XE-133	0.0	0.0	0.0	0.0	4.2200E+03	1.5931E-07
CS-134	2.6400E+00	2.2295E+00	0.0	0.0	0.0	0.0
XE-135	0.0	0.0	0.0	0.0	1.8000E+03	0.0
CS-137	2.1795E+01	2.1545E+01	3.3850E+01	3.3461E+01	1.7700E-02	1.7497E-02
BA-LA-140	0.0	0.0	1.0140E+01	5.0877E-04	0.0	0.0
CE-141-144	4.3100E+01	2.7606E+01	3.1278E+01	2.0034E+01	2.4080E-01	1.5423E-01
PM-147	1.3130E+01	1.1506E+01	1.2080E+01	1.0586E+01	0.0	0.0
U-NAT	6.6050E-01	6.6050E-01	9.0000E-01	9.0000E-01	5.1800E-02	5.1800E-02
HP-239	1.1000E-01	0.0	7.4340E+01	0.0	0.0	0.0
PU-239	6.0620E-01	6.0619E-01	0.0	0.0	1.6500E-02	1.6500E-02
UN-ID-ALPHA	3.9000E-02	3.9000E-02	1.1000E-02	1.1000E-02	5.1835E-02	5.1835E-02
UN-ID-B+G	1.8820E-01	1.8820E-01	3.6260E+00	3.6260E+00	9.3400E-02	9.3400E-02

SRP RADIOACTIVE RELEASES, 1966

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	1.0983E+09	0.0	2.7031E+10	0.0	2.6816E+10	0.0
H-3	8.3653E+04	8.1331E+04	8.1865E+04	7.9593E+04	6.7460E+05	6.5587E+05
C-14	0.0	0.0	0.0	0.0	1.1000E+02	1.0999E+02
P-32	1.1400E+02	1.6346E-02	1.0220E+01	1.4654E-03	0.0	0.0
S-35	0.0	0.0	1.2098E+02	2.8807E+01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	2.8000E+05	0.0
CR-51	7.6420E+00	8.0755E-02	6.2502E+02	6.6047E+00	0.0	0.0
CO-60	2.7300E-01	2.5556E-01	5.0600E+00	4.7368E+00	0.0	0.0
Zn-65	1.0000E-02	5.9631E-03	7.5203E+00	4.6842E+00	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	2.4000E+03	0.0
KR-88	0.0	0.0	0.0	0.0	1.5000E+03	0.0
SR-89	6.6000E-01	5.8104E-02	6.0900E+00	5.3614E-01	0.0	0.0
SR-90	1.7900E+00	1.7680E+00	4.3200E+00	4.2670E+00	0.0	0.0
SR-89-90	7.1000E-03	7.0129E-03	0.0	0.0	2.1200E-02	2.0940E-02
Y-91	0.0	0.0	1.7300E+01	2.0152E+00	0.0	0.0
ZR-NB-95	3.8470E+01	5.5007E+00	7.9400E+00	1.1353E+00	2.0560E-01	2.9398E-02
RU-106	9.5120E+01	6.7400E+01	0.0	0.0	0.0	0.0
RU-103-106	2.0700E+00	1.4667E+00	1.2700E+00	8.9989E-01	4.5900E+00	3.2524E+00
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	1.7070E+01	2.5931E-06	3.0200E+00	4.1471E-07	3.1618E+01	4.8003E-06
XE-131M	0.0	0.0	0.0	0.0	2.6000E+02	6.8787E-03
XE-133	0.0	0.0	0.0	0.0	4.4300E+04	1.6724E-06
CS-134	8.5000E-01	7.1783E-01	0.0	0.0	0.0	0.0
XE-135	0.0	0.0	0.0	0.0	2.1000E+03	0.0
CS-137	1.6876E+01	1.6682E+01	3.6680E+01	3.6259E+01	4.8200E-02	4.7646E-02
BA-LA-140	1.4000E-01	7.0244E-06	1.5600E+00	7.8272E-05	0.0	0.0
CE-141-144	2.8840E+00	1.8472E+00	1.9600E+01	1.2554E+01	1.7470E-01	1.1190E-01
PM-147	4.9000E+00	1.2941E+00	8.4600E+00	7.4138E+00	0.0	0.0
U-NAT	5.1260E-01	5.1260E-01	4.4390E+00	4.4390E+00	2.0595E-02	2.0595E-02
NP-239	0.0	0.0	2.7880E+01	0.0	0.0	0.0
PU-239	6.5240E-01	6.5239E-01	0.0	0.0	1.0065E-02	1.0065E-02
UN-ID-ALPHA	1.7000E-02	1.7000E-02	1.4100E-02	1.4100E-02	2.0595E-02	2.0595E-02
UN-ID-B+G	4.4648E+01	4.4048E+01	3.0370E+00	3.0370E+00	1.2900E-02	1.2900E-02

SRP RADIOACTIVE RELEASES, 1967

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	9.5505E+08	0.0	5.5729E+10	0.0	2.4827E+10	0.0
H-3	6.0080E+04	5.8412E+04	6.9617E+04	6.7685E+04	6.8867E+05	6.6955E+05
C-14	0.0	0.0	0.0	0.0	1.1000E+02	1.0999E+02
P-32	9.0000E+00	1.2904E-03	4.1300E+00	5.9217E-04	0.0	0.0
S-35	0.0	0.0	1.5328E+02	3.4498E+01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	3.2000E+05	0.0
CR-51	2.5200E+00	2.6629E-02	2.4204E+02	2.5577E+00	0.0	0.0
CO-60	2.4500E-01	2.2935E-01	1.6900E+00	1.5821E+00	0.0	0.0
Zn-65	1.2000E-01	7.1557E-02	7.3200E+00	4.3650E+00	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	3.3200E+04	0.0
KR-88	0.0	0.0	0.0	0.0	2.0400E+04	0.0
SR-89	7.3000E-01	6.4267E-02	1.3000E+01	1.1449E+00	0.0	0.0
SR-90	2.1180E+00	2.0920E+00	4.5800E+00	4.5238E+00	0.0	0.0
SR-89-90	1.8100E-02	1.7878E-02	0.0	0.0	1.4100E-02	1.3927E-02
Y-91	0.0	0.0	1.8600E+01	2.1666E+00	0.0	0.0
ZR-NB-95	3.7941E+01	5.4251E+00	1.3750E+01	1.9661E+00	2.1010E-01	1.8042E-02
RU-106	6.0330E+01	4.2748E+01	0.0	0.0	0.0	0.0
RU-103-106	1.0100E+00	7.1566E-01	1.9400E+00	1.3746E+00	4.1840E-01	2.9647E-01
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	5.7800E+00	8.2486E-07	1.3620E+01	2.0568E-06	2.0100E+01	3.0272E-06
XE-131M	0.0	0.0	0.0	0.0	1.8900E+03	5.0003E-02
XE-133	0.0	0.0	0.0	0.0	1.4800E+05	5.5872E-06
CS-134	1.4100E+00	1.1908E+00	0.0	0.0	0.0	0.0
XE-135	0.0	0.0	0.0	0.0	2.9600E+04	0.0
CS-137	2.1828E+01	2.1577E+01	7.8910E+01	7.8004E+01	1.8100E-02	1.7892E-02
BA-LA-140	6.7100E-01	3.3617E-05	4.2500E+00	2.1324E-04	0.0	0.0
CE-141-144	3.2900E+00	2.1073E+00	1.6880E+01	1.0812E+01	9.3100E-02	5.9631E-02
PM-147	2.3900E+00	2.0945E+00	1.5930E+01	1.3960E+01	0.0	0.0
U-NAT	1.9073E-01	1.9073E-01	6.4230E+00	6.4230E+00	1.9155E-02	1.9155E-02
PU-238	1.4277E-01	1.4220E-01	0.0	0.0	2.4000E-04	2.5896E-04
NP-239	5.0000E-03	0.0	3.6440E+01	0.0	0.0	0.0
PU-239	7.6910E-01	7.6909E-01	0.0	0.0	1.0344E-02	1.0344E-02
CM-244	0.0	0.0	0.0	0.0	3.0000E-02	2.9425E-02
UN-ID-ALPHA	2.9400E-02	2.9400E-02	1.5700E-02	1.5700E-02	3.0000E-04	3.0000E-04
UN-ID-B+G	1.1611E+02	1.1611E+02	1.3997E+01	1.3997E+01	1.3613E-02	1.3613E-02

SRP RADIOACTIVE RELEASES, 1968

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	1.1710E+09	0.0	5.2493E+10	0.0	2.6595E+10	0.0
H-3	6.9128E+04	6.7209E+04	6.1581E+04	5.9872E+04	7.6238E+05	7.4122E+05
C-14	0.0	0.0	0.0	0.0	8.7000E+01	8.6995E+01
P-32	0.0	0.0	2.4400E+00	3.4985E-04	0.0	0.0
S-35	1.8531E+02	4.4125E+01	1.7144E+02	4.0823E+01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	2.2000E+05	0.0
CR-51	1.1756E+02	1.2423E+00	8.5840E+01	9.0709E-01	0.0	0.0
CO-60	1.8840E+00	1.7637E+00	1.8400E+00	1.7225E+00	3.9300E-02	3.6790E-02
ZN-65	3.8200E+00	2.2779E+00	4.5100E+00	2.6893E+00	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	1.2600E+04	0.0
KR-88	0.0	0.0	0.0	0.0	8.1000E+03	0.0
SR-89	4.6000E-01	4.0497E-02	2.9040E+01	2.5566E+00	0.0	0.0
SR-90	3.9610E+00	3.9124E+00	5.6400E+00	5.5708E+00	0.0	0.0
SR-89-90	1.0700E-02	1.0569E-02	2.0000E-02	1.9755E-02	3.4000E-02	3.3583E-02
Y-91	0.0	0.0	3.0920E+01	3.6017E+00	0.0	0.0
ZR-Nb-95	2.0934E+01	2.9933E+00	8.1100E+00	1.1596E+00	3.1090E-01	4.4455E-02
RU-106	9.7590E+01	6.9150E+01	0.0	0.0	0.0	0.0
RU-103-106	2.0830E+00	1.4760E+00	1.8700E+00	1.3250E+00	2.0052E+01	1.4209E+01
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	4.1400E+00	5.5902E-07	9.4900E+00	1.2867E-06	2.2121E+01	3.2584E-06
XE-131M	0.0	0.0	0.0	0.0	9.3000E+02	2.4605E-02
XE-133	0.0	0.0	0.0	0.0	4.9200E+04	1.8574E-06
XE-135	0.0	0.0	0.0	0.0	1.2400E+04	0.0
CS-137	2.9300E+01	2.8963E+01	4.3460E+01	4.2961E+01	4.0300E-02	3.9837E-02
BA-LA-140	3.2290E+01	1.6201E-03	8.9500E+00	4.4906E-04	0.0	0.0
CE-141-144	3.6750E+01	2.3538E+01	3.4640E+01	2.2187E+01	5.5030E-01	3.5247E-01
PM-147	7.0800E+00	6.2045E+00	1.1480E+01	1.0060E+01	0.0	0.0
U-NAT	5.6039E-01	5.6039E-01	4.2140E+00	4.2140E+00	2.6682E-02	2.6682E-02
TH-232	1.6670E-01	1.6670E-01	0.0	0.0	0.0	0.0
PU-238	5.1700E-01	5.1493E-01	0.0	0.0	1.0000E-03	9.9600E-04
HP-239	8.7600E+00	0.0	2.0230E+01	0.0	0.0	0.0
PU-239	3.9700E-01	3.9699E-01	0.0	0.0	5.6680E-03	5.6679E-03
UN-ID-ALPHA	2.5870E-01	2.5870E-01	1.1900E-02	1.1900E-02	5.0000E-04	5.0000E-04
UN-ID-B+G	7.8580E-01	7.8580E-01	6.0900E-01	6.0900E-01	4.0990E-03	4.0990E-03

SRP RADIOACTIVE RELEASES, 1969

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	1.3014E+09	0.0	5.0097E+10	0.0	2.5195E+10	0.0
H-3	4.7211E+04	4.5901E+04	4.4243E+04	4.2460E+04	4.9639E+05	4.8261E+05
C-14	0.0	0.0	0.0	0.0	8.7000E+01	8.6995E+01
P-32	0.0	0.0	7.3000E-01	1.0467E-04	0.0	0.0
S-35	7.6532E+01	1.8223E+01	6.4350E+01	1.5323E+01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	1.4000E+05	0.0
CR-51	2.9582E+02	3.1260E+00	6.8520E+01	7.2406E-01	0.0	0.0
CO-60	1.4000E+00	1.3106E+00	2.1000E-01	1.9639E-01	1.0990E-02	1.0288E-02
ZN-65	5.6000E-01	3.3393E-01	1.5400E+00	9.1831E-01	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	5.4000E+03	0.0
KR-88	0.0	0.0	0.0	0.0	3.5000E+03	0.0
SR-89	4.6121E+01	4.0603E+00	8.8240E+00	7.7684E-01	0.0	0.0
SR-90	6.8900E+00	6.8054E+00	3.7970E+00	3.7504E+00	0.0	0.0
SR-89-90	6.8000E-03	6.7165E-03	1.0000E-02	9.8773E-03	1.1540E-01	1.1398E-01
Y-91	0.0	0.0	8.7600E+00	1.0204E+00	0.0	0.0
ZR-Nb-95	1.6738E+01	2.3933E+00	3.5800E+00	5.1189E-01	2.8500E-01	4.0751E-02
RU-103	0.0	0.0	0.0	0.0	9.6156E+00	3.9392E-01
RU-106	5.3150E+01	3.7461E+01	0.0	0.0	4.1128E+00	2.9142E+00
RU-103-106	1.2910E+00	9.1477E-01	5.2000E-01	3.6846E-01	0.0	0.0
I-129	0.0	0.0	0.0	0.0	2.1160E-01	2.1160E-01
I-131	1.5950E+01	2.4214E-06	5.0200E+00	6.2586E-07	3.5951E+01	5.4606E-06
XE-131M	0.0	0.0	0.0	0.0	8.5000E+02	2.2488E-02
XE-133	0.0	0.0	0.0	0.0	2.2000E+04	8.3053E-07
XE-135	0.0	0.0	0.0	0.0	5.4000E+03	0.0
CS-137	3.1365E+01	3.1005E+01	2.1950E+01	2.1698E+01	8.5300E-02	8.4320E-02
BA-LA-140	1.7791E+01	8.9261E-04	1.3000E+00	6.5227E-05	0.0	0.0
CE-141-144	1.2651E+01	8.1030E+00	5.4500E+00	3.4907E+00	8.1110E-01	5.1951E-01
PM-147	6.5600E+00	5.7488E+00	1.4560E+01	1.2760E+01	0.0	0.0
U-NAT	1.1074E+00	1.1074E+00	1.2620E+00	1.2620E+00	6.8670E-02	6.8670E-02
PU-238	1.0939E+00	1.0893E+00	0.0	0.0	5.5850E-01	5.5626E-01
HP-239	1.0200E+00	0.0	2.5700E+01	0.0	0.0	0.0
PU-239	4.9043E-01	4.9042E-01	0.0	0.0	6.0345E-02	6.0344E-02
CM-244	0.0	0.0	3.0000E-02	2.9425E-02	2.1130E-02	2.0725E-02
UN-ID-ALPHA	9.4400E-01	9.4400E-01	1.0600E-02	1.0600E-02	4.6000E-04	4.6000E-04
UN-ID-B+G	1.3960E+00	1.3960E+00	4.0500E-01	4.0500E-01	1.1435E-02	1.1435E-02

SRP RADIOACTIVE RELEASES, 1970

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	1.0803E+09	0.0	5.4891E+10	0.0	2.4821E+10	0.0
H-3	5.7831E+04	5.6226E+04	3.6822E+04	3.5800E+04	5.1315E+05	4.9891E+05
C-14	0.0	0.0	0.0	0.0	8.8000E+01	8.7995E+01
P-32	0.0	0.0	7.7000E-01	1.1040E-04	0.0	0.0
S-35	1.8041E+01	4.2958E+00	2.5670E+01	6.1124E+00	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	1.1000E+05	0.0
CR-51	8.5500E+00	9.0349E-02	1.5910E+01	1.6812E-01	0.0	0.0
CO-60	4.9300E-01	4.6151E-01	1.7200E-01	1.6101E-01	2.7500E-03	2.5744E-03
ZH-65	0.0	0.0	5.1000E-01	3.0412E-01	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	2.4000E+03	0.0
KR-88	0.0	0.0	0.0	0.0	1.6000E+03	0.0
SR-89	3.8831E+01	3.4186E+00	8.3200E+00	7.3247E-01	0.0	0.0
SR-90	4.2900E+00	4.2373E+00	3.4380E+00	7.3958E+00	0.0	0.0
SR-89-90	8.4300E-03	8.3265E-03	8.0000E-03	7.9018E-03	5.6000E-02	5.5313E-02
Y-91	0.0	0.0	9.7800E+00	1.1392E+00	0.0	0.0
ZR-NB-95	3.2054E+01	4.5833E+00	2.8080E+00	4.0151E-01	2.7400E-01	3.9179E-02
RU-106	5.1340E+01	3.6378E+01	0.0	0.0	6.7820E-01	4.8056E-01
RU-103-106	1.6910E+00	1.1982E+00	6.1000E-02	4.3223E-02	0.0	0.0
SR-124	1.6000E+00	1.9205E-01	0.0	0.0	0.0	0.0
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	9.2200E+00	1.4006E-06	2.1700E+00	3.0685E-07	3.4367E+01	5.2074E-06
XE-131M	0.0	0.0	0.0	0.0	1.0000E+03	2.6457E-02
XE-133	0.0	0.0	0.0	0.0	1.8000E+04	6.7952E-07
XE-135	0.0	0.0	0.0	0.0	2.6000E+03	0.0
CS-137	2.1490E+01	2.3220E+01	2.1261E+01	2.1017E+01	4.1500E-02	4.1023E-02
BA-LA-140	1.1340E+01	5.6898E-04	3.2000E-01	1.6056E-05	0.0	0.0
CE-141-144	1.0942E+01	7.0084E+00	2.7160E+00	1.7396E+00	2.2800E-01	1.4655E-01
PM-147	3.5900E+00	3.1461E+00	4.5000E+00	3.9435E+00	0.0	0.0
U-NAT	1.4100E+00	1.4100E+00	6.8200E-01	6.8200E-01	1.6640E-02	1.6640E-02
PU-238	5.5000E-01	5.4780E-01	0.0	0.0	2.0780E-02	2.0697E-02
NP-239	2.4000E-01	0.0	4.7000E-01	0.0	0.0	0.0
PU-239	3.4900E-01	3.4899E-01	0.0	0.0	9.1900E-03	9.1899E-03
CM-244	0.0	0.0	0.0	0.0	9.1000E-04	8.9256E-04
UN-ID-ALPHA	1.1360E+00	1.1360E+00	2.0600E-02	2.0600E-02	3.0000E-04	3.0000E-04
UN-ID-B+G	3.7210E+00	3.7210E+00	4.6450E-01	4.6450E-01	6.5230E-03	6.5230E-03

SRP RADIOACTIVE RELEASES, 1971

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	8.5738E+08	0.0	6.5531E+10	0.0	2.1247E+10	0.0
H-3	3.6211E+04	3.5206E+04	3.7954E+04	3.6900E+04	6.2128E+05	6.0403E+05
C-14	0.0	0.0	0.0	0.0	8.7000E+01	8.6995E+01
P-32	0.0	0.0	9.2000E-01	1.3191E-04	0.0	0.0
S-35	3.0940E+00	7.3673E-01	1.1461E+01	2.7290E+00	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	1.1000E+05	0.0
CR-51	2.5123E+01	2.6548E-01	7.3282E+00	7.7438E-02	0.0	0.0
CO-58	9.7000E-01	1.6440E-01	0.0	0.0	0.0	0.0
CO-60	4.7000E-01	4.3998E-01	4.6325E+00	4.3366E+00	2.2230E-02	2.0810E-02
ZH-65	3.0000E-02	1.7889E-02	1.7512E+00	1.0442E+00	0.0	0.0
KR-85	0.0	0.0	0.0	0.0	4.4010E+05	6.1976E+05
KR-85M	0.0	0.0	0.0	0.0	3.0600E+03	0.0
KR-88	0.0	0.0	0.0	0.0	1.7300E+03	0.0
SR-89	3.4730E+00	3.0575E-01	1.9005E+00	1.6731E-01	0.0	0.0
SR-90	1.8703E+00	1.8473E+00	2.9360E+00	2.9000E+00	0.0	0.0
SR-89-90	1.3500E-03	1.3334E-03	1.6000E-02	1.5804E-02	3.6209E-02	3.5756E-02
Y-91	0.0	0.0	2.2900E+00	2.6875E-01	0.0	0.0
ZR-95	4.2700E+00	6.1056E-01	0.0	0.0	1.3516E-01	1.9326E-02
NB-95	4.1800E+00	1.1251E-01	0.0	0.0	3.4580E-01	9.3079E-03
ZR-NB-95	3.4200E-01	4.8902E-02	8.9286E-01	1.2767E-01	0.0	0.0
RU-103	7.0200E+00	2.8759E-01	0.0	0.0	2.7339E+00	1.1200E-01
RU-106	3.2290E+01	2.2880E+01	0.0	0.0	2.9530E+00	2.0924E+00
RU-103-106	2.1000E-02	1.4880E-02	3.4460E-02	2.4417E-02	0.0	0.0
SB-124	8.0508E+00	9.6635E-01	4.0000E-02	4.8013E-03	0.0	0.0
SB-125	1.1100E+00	9.7761E-01	4.1000E-04	3.6110E-04	0.0	0.0
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	2.8204E+00	4.2838E-07	1.5300E+00	2.0052E-07	2.6618E+01	4.0407E-06
XE-131M	0.0	0.0	0.0	0.0	1.0870E+03	2.8758E-02
XE-133	0.0	0.0	0.0	0.0	2.5248E+04	9.5315E-07
XE-135	1.5900E+00	1.3428E+00	0.0	0.0	5.0800E-03	4.2901E-03
CS-137	8.6303E+00	8.5312E+00	3.0606E+00	3.0255E+00	4.7100E+03	0.0
BA-LA-140	1.0300E-02	5.0175E-07	1.3000E-01	6.5227E-06	9.3500E-03	9.2229E-03
CE-141	4.0000E-01	8.6838E-03	0.0	0.0	0.0	0.0
CE-144	3.1000E+00	1.9856E+00	0.0	0.0	2.0810E-02	4.3178E-04
CE-141-144	8.4000E-02	5.3802E-02	2.4608E+00	1.5761E+00	1.3261E-01	8.4937E-02
PM-147	2.1800E+00	1.9104E+00	1.2000E+00	1.0516E+00	0.0	0.0
U-NAT	2.4000E-01	2.4000E-01	3.4800E-01	3.4800E-01	5.1700E-03	5.1700E-03
PU-238	3.3300E-01	3.3167E-01	3.0100E-02	2.9980E-02	2.1360E-02	2.1364E-02
NP-239	0.0	0.0	1.6300E+00	0.0	0.0	0.0
PU-239	2.0700E-01	2.0700E-01	0.0	0.0	8.3500E-03	8.3499E-03
CM-242	0.0	0.0	0.0	0.0	2.3400E-03	1.0770E-03
CM-244	0.0	0.0	3.2420E-01	3.1799E-01	7.0000E-04	6.8658E-04
UN-ID-ALPHA	9.7940E-01	9.7940E-01	1.1800E-02	1.1800E-02	5.0000E-04	5.0000E-04
UN-ID-B+G	6.4740E-01	6.4740E-01	7.9500E-01	7.9500E-01	1.5500E-03	1.5500E-03

SRP RADIOACTIVE RELEASES, 1972

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIOISOTOPES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	8.2855E+08	0.0	5.7024E+10	0.0	2.4678E+10	0.0
H-3	4.6959E+04	4.5656E+04	4.6011E+04	4.4734E+04	8.2227E+05	7.9944E+05
C-14	0.0	0.0	0.0	0.0	8.7000E+01	8.6995E+01
P-32	0.0	0.0	3.0000E-01	4.3015E-05	0.0	0.0
S-35	9.7000E-01	2.3097E-01	1.4950E+00	3.5598E-01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	1.6666E+05	0.0
CR-51	3.1280E+01	3.3054E-01	1.3800E+00	1.4583E-02	0.0	0.0
CO-58	1.0000E-01	1.6948E-02	0.0	0.0	0.0	0.0
CO-60	4.0000E-02	3.7445E-02	1.8100E-01	1.6944E-01	7.2100E-03	6.7495E-03
KR-85	0.0	0.0	0.0	0.0	6.0490E+05	5.8568E+05
KR-85M	0.0	0.0	0.0	0.0	7.3300E+03	0.0
KR-87	0.0	0.0	0.0	0.0	2.4700E+03	0.0
KR-88	0.0	0.0	0.0	0.0	4.2100E+03	0.0
SR-89	2.3300E+00	2.0513E-01	4.5000E-01	3.9617E-02	0.0	0.0
SR-90	9.9000E-01	9.7789E-01	1.4280E+00	1.4105E+00	0.0	0.0
SR-89-90	4.6000E-04	4.5435E-04	0.0	0.0	1.3377E-01	1.3213E-01
Y-91	1.3000E-01	1.5143E-02	2.1000E-01	2.4462E-02	0.0	0.0
ZR-95	7.0500E+00	1.0081E+00	0.0	0.0	1.5096E-01	2.1585E-02
HB-95	8.6700E+00	2.3337E-01	0.0	0.0	2.0226E-01	5.4442E-03
ZR-HB-95	1.1900E+00	1.7015E-01	9.9000E-02	1.4156E-02	0.0	0.0
RU-103	6.4100E+00	2.6260E-01	0.0	0.0	3.8488E+00	1.5767E-01
RU-106	2.8840E+01	2.0435E+01	0.0	0.0	3.4667E+00	2.4564E+00
RU-103-106	4.0000E-02	2.8343E-02	3.9000E-02	2.7634E-02	0.0	0.0
SB-125	8.6000E-01	7.5743E-01	0.0	0.0	0.0	0.0
SB-124-125	7.1000E-01	6.2532E-01	0.0	0.0	0.0	0.0
T-129	0.0	0.0	0.0	0.0	0.0	0.0
T-131	3.9400E+00	4.4205E-07	9.3000E-01	1.2153E-07	2.1150E-01	2.1150E-01
XE-131M	0.0	0.0	0.0	0.0	2.7422E+00	4.1167E-07
XE-133	0.0	0.0	0.0	0.0	2.9240E+02	7.7359E-03
CS-134	1.2200E+00	1.0303E+00	4.0000E-02	3.3780E-02	3.9108E+04	1.4761E-06
XE-135	0.0	0.0	0.0	0.0	1.5500E-03	1.3090E-03
CS-137	8.8400E+00	8.7385E+00	1.3030E+00	1.2880E+00	1.1800E+04	0.0
CE-141	9.2000E-01	1.9973E-02	0.0	0.0	2.4430E-02	2.4149E-02
CE-144	1.7400E+00	1.1145E+00	0.0	0.0	1.3430E-02	2.9156E-04
CE-141-144	3.0000E-01	1.9215E-01	4.2000E-02	2.4901E-02	3.2915E-01	2.1082E-01
PM-147	1.9000E+00	1.4650E+00	7.0000E-02	4.1344E-02	0.0	0.0
U-NAT	2.3000E-01	2.3000E-01	3.9000E-01	3.9000E-01	7.7300E-03	7.7300E-03
PU-238	4.0000E-01	3.9840E-01	5.0340E-02	5.0158E-02	1.6590E-02	1.6524E-02
NP-239	0.0	0.0	3.0000E-02	0.0	0.0	0.0
PU-239	2.4000E-01	2.4000E-01	0.0	0.0	3.7900E-03	3.7899E-03
CM-244	0.0	0.0	2.7880E-02	2.7346E-02	3.9000E-04	3.8253E-04
UN-ID-ALPHA	7.4520E-02	7.4520E-02	2.1350E-02	2.1350E-02	0.0	0.0
UN-ID-B+G	3.1900E-02	3.1900E-02	2.9682E-01	2.9682E-01	1.0110E-03	1.0110E-03

SRP RADIOACTIVE RELEASES, 1973

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	8.9141E+08	0.0	7.3554E+10	0.0	2.5262E+10	0.0
H-3	6.5735E+04	6.3910E+04	7.0782E+04	6.8817E+04	6.0064E+05	5.8397E+05
C-14	0.0	0.0	0.0	0.0	8.7000E+01	8.6995E+01
P-32	1.8000E-02	2.5809E-06	1.3328E-01	1.9110E-05	0.0	0.0
S-35	1.6700E-01	3.9765E-02	1.7035E+00	4.0562E-01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	1.8444E+05	0.0
CR-51	1.4082E+01	1.4881E-01	4.4500E-01	4.7024E-03	0.0	0.0
CO-58	3.9000E-01	6.6099E-02	0.0	0.0	0.0	0.0
CO-60	4.3000E-02	4.0234E-02	2.7400E-02	2.5650E-02	1.7800E-03	1.6663E-03
KR-85	0.0	0.0	0.0	0.0	7.6500E+05	7.4069E+05
KR-85M	0.0	0.0	0.0	0.0	4.5240E+03	0.0
KR-87	0.0	0.0	0.0	0.0	2.0330E+03	0.0
KR-88	0.0	0.0	0.0	0.0	7.3820E+03	0.0
SR-89	1.8600E+00	1.6375E-01	1.5700E-01	1.3822E-02	0.0	0.0
SR-90	8.2500E-01	8.1487E-01	1.6700E+00	1.6495E+00	0.0	0.0
SR-89-90	1.1100E-02	1.0964E-02	6.2000E-04	6.1239E-04	1.4040E-02	1.3868E-02
Y-91	9.7000E-02	1.1299E-02	1.2724E-01	1.4821E-02	0.0	0.0
ZR-95	1.1350E+01	1.6229E+00	0.0	0.0	6.7260E-02	9.9033E-03
NB-95	1.3350E+01	3.5934E-01	0.0	0.0	7.5520E-02	2.0328E-03
ZR-NB-95	4.7200E-01	6.7490E-02	1.9247E-01	2.7521E-02	0.0	0.0
RU-103	4.1400E+00	1.6960E-01	0.0	0.0	1.8796E+00	7.7001E-02
RU-106	3.4720E+01	2.4602E+01	0.0	0.0	1.3076E+00	9.2657E-01
RU-103-106	1.0000E-03	7.0857E-04	4.8420E-02	3.4309E-02	0.0	0.0
SB-124-125	5.5300E-01	4.8705E-01	2.1000E-02	1.8495E-02	0.0	0.0
I-129	0.0	0.0	0.0	0.0	2.1150E-01	2.1150E-01
I-131	3.0510E+00	4.4205E-07	1.5500E-01	0.0	1.8557E+00	2.7320E-07
I-133	0.0	0.0	0.0	0.0	1.0210E-02	0.0
XE-131M	0.0	0.0	0.0	0.0	5.1070E+02	1.3511E-02
XE-133	0.0	0.0	0.0	0.0	2.2443E+04	8.4586E-07
CS-134	6.2300E-01	5.2613E-01	2.0600E-01	1.7397E-01	0.0	0.0
XE-135	0.0	0.0	0.0	0.0	9.3790E+03	0.0
CS-137	7.0640E+00	6.9829E+00	9.1736E-01	9.3683E-01	2.5800E-03	2.5504E-03
CE-141	1.1500E+00	2.4966E-02	0.0	0.0	3.8500E-03	8.3582E-05
CE-144	3.7000E+00	2.3699E+00	0.0	0.0	3.8960E-02	2.4954E-02
CE-141-144	1.8330E-01	1.1721E-01	1.4694E-01	9.4116E-02	0.0	0.0
PM-147	2.0490E+00	1.7956E+00	6.8720E-02	6.0232E-02	0.0	0.0
U-MAT	1.7930E-01	1.7930E-01	2.1900E-01	2.1900E-01	5.1100E-06	5.1100E-03
PU-238	1.9210E-01	1.9133E-01	2.2280E-02	2.2191E-02	2.2070E-02	2.1982E-02
MP-239	1.0000E-03	0.0	1.1000E-02	0.0	0.0	0.0
PU-239	9.3600E-02	9.3599E-02	0.0	0.0	1.4500E-03	1.4500E-03
CM-244	9.3000E-02	9.1218E-02	3.6400E-03	3.5702E-03	3.7900E-04	3.7174E-04
UM-ID-ALPHA	3.0140E-01	3.0140E-01	1.8420E-02	1.8420E-02	2.7918E-05	2.7918E-05
UM-ID-B+G	3.0150E-01	3.0150E-01	2.8572E-01	2.8572E-01	6.0600E-04	6.0600E-04

SRP RADIOACTIVE RELEASES, 1974

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIOISOTOPES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	3.0070E+11	0.0	5.3367E+10	0.0	2.5338E+10	0.0
H-3	3.6542E+04	3.5528E+04	5.9980E+04	5.8315E+04	9.3683E+05	9.1082E+05
C-14	0.0	0.0	0.0	0.0	8.0100E+01	8.0095E+01
P-32	2.2000E-02	3.1544E-06	1.4000E-02	2.0073E-06	0.0	0.0
S-35	7.3000E-01	1.7382E-01	4.9690E+00	1.1832E+00	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	1.0765E+05	0.0
CR-51	7.8840E+02	8.3312E-02	5.9500E-01	6.2875E-03	0.0	0.0
CO-58	6.2000E-01	1.0508E-01	0.0	0.0	0.0	0.0
CO-60	4.9100E-01	4.5964E-01	1.0000E-03	9.3613E-04	3.8700E-03	3.6228E-03
ZN-65	7.6000E-01	4.5319E-01	1.3700E-01	8.1694E-02	0.0	0.0
KR-85	0.0	0.0	0.0	0.0	5.0000E+05	4.8411E+05
KR-85M	0.0	0.0	0.0	0.0	1.3450E+03	0.0
KR-87	0.0	0.0	0.0	0.0	6.3800E+02	0.0
KR-88	0.0	0.0	0.0	0.0	1.4080E+03	0.0
SR-89	3.0600E-01	2.6939E-02	1.4600E-01	1.2853E-02	0.0	0.0
SR-90	3.0100E-01	2.9731E-01	1.3332E+00	1.3169E+00	0.0	0.0
SR-89-90	7.8000E-04	7.7043E-04	3.8000E-04	3.7534E-04	1.1110E-02	1.0974E-02
Y-91	1.7400E-01	2.0268E-02	1.2800E-01	1.4910E-02	0.0	0.0
ZR-95	4.1200E+00	5.8911E-01	0.0	0.0	3.3430E-02	4.7801E-03
NB-95	4.6100E+00	1.2409E-01	0.0	0.0	1.2250E-01	3.2973E-03
ZR-NB-95	3.3700E-01	4.8187E-02	2.3600E-01	3.3745E-02	0.0	0.0
RU-103	1.5900E+00	6.9137E-02	0.0	0.0	8.8200E-03	3.6132E-04
RU-106	2.3950E+01	1.6970E+01	0.0	0.0	1.4239E-01	1.0089E-01
RU-103-106	1.0000E-03	7.0857E-04	4.0000E-03	2.8343E-03	0.0	0.0
SB-124-125	4.1800E-01	3.6815E-01	0.0	0.0	0.0	0.0
I-129	0.0	0.0	0.0	0.0	1.7000E-01	1.7000E-01
I-131	3.5100E-01	0.0	1.4000E-02	0.0	1.9139E+00	2.8513E-07
XE-131M	0.0	0.0	0.0	0.0	1.3500E+02	3.5717E-03
XE-133	0.0	0.0	0.0	0.0	5.5070E+03	1.2469E-07
CS-134	6.4100E-01	5.4133E-01	5.8000E-02	4.8982E-02	3.0000E-05	2.5335E-05
XE-135	0.0	0.0	0.0	0.0	2.1760E+03	0.0
CS-137	7.5920E+00	7.5048E+00	1.4996E+00	1.4824E+00	1.3200E-03	1.3048E-03
CS-134-137	0.0	0.0	1.1000E-04	1.0874E-04	0.0	0.0
CE-141	1.1000E-01	2.5881E-03	0.0	0.0	9.8000E-04	2.1275E-05
CE-144	2.1000E+00	1.3451E+00	0.0	0.0	2.1870E-02	1.4008E-02
CE-141-144	2.4400E-01	1.5628E-01	0.0	0.0	0.0	0.0
PM-147	1.1500E+00	1.0078E+00	1.5300E-01	9.7997E-02	0.0	0.0
U-NAT	1.0586E-01	1.0586E-01	5.3000E-02	4.6446E-02	8.6700E-03	8.6700E-03
PU-238	9.7300E-02	9.6911E-02	3.4900E-01	3.4900E-01	4.7400E-03	4.7210E-03
NP-239	1.0000E-03	0.0	0.0	0.0	0.0	0.0
PU-239	7.7740E-02	7.7739E-02	0.0	0.0	2.9400E-03	2.9400E-03
CM-244	3.9400E-02	3.9445E-02	0.0	0.0	3.9000E-04	3.8253E-04
UN-ID-ALPHA	2.3100E-02	2.3100E-02	1.5670E-02	1.5670E-02	7.4010E-05	7.4010E-05
UN-ID-B+G	2.9470E-02	2.9473E-02	1.2609E-01	1.2609E-01	2.9000E-04	2.9000E-04

SRP RADIOACTIVE RELEASES, 1975

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	3.0048E+11	0.0	5.5984E+10	0.0	2.8185E+10	0.0
H-3	3.5589E+04	3.4601E+04	5.5631E+04	5.4087E+04	5.1776E+05	5.0339E+05
C-14	0.0	0.0	0.0	0.0	6.6000E+01	6.5996E+01
P-32	8.0000E-03	1.1471E-06	2.0000E-03	2.8676E-07	0.0	0.0
S-35	5.1000E-02	1.2144E-02	2.9100E-01	6.9292E-02	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	6.4890E+04	0.0
CR-51	4.5650E+00	4.8239E-02	1.1600E-01	1.2258E-03	0.0	0.0
CO-58	4.8100E-01	8.1522E-02	0.0	0.0	0.0	0.0
CO-60	4.2200E-01	3.9505E-01	9.0000E-03	8.4252E-03	1.1050E-03	1.0344E-03
ZN-65	5.6700E-01	3.3811E-01	2.0000E-03	1.1926E-03	0.0	0.0
KR-85	0.0	0.0	0.0	0.0	5.2480E+05	5.0812E+05
KR-85M	0.0	0.0	0.0	0.0	3.6800E+02	0.0
KR-87	0.0	0.0	0.0	0.0	1.1720E+03	0.0
KR-88	0.0	0.0	0.0	0.0	8.5800E+02	0.0
SR-89	4.0000E-01	3.5215E-02	1.4000E-02	1.2325E-03	0.0	0.0
SR-90	7.9200E-01	7.8228E-01	1.1887E+00	1.1741E+00	0.0	0.0
SR-89-90	6.8000E-04	6.7165E-04	4.9300E-04	4.8695E-04	5.0260E-03	4.9643E-03
Y-91	3.0000E-03	3.4945E-04	1.4000E-02	1.6308E-03	0.0	0.0
ZR-95	9.7200E-01	1.3898E-01	0.0	0.0	1.3503E-02	1.9308E-03
NB-95	8.9600E-01	2.4118E-02	0.0	0.0	2.4210E-02	6.5166E-04
ZR-MB-95	7.0000E-03	1.0009E-03	3.9000E-02	5.5765E-03	0.0	0.0
RU-103	2.8000E-01	1.1471E-02	0.0	0.0	1.8150E-03	7.4354E-05
RU-106	6.2320E+00	4.4158E+00	0.0	0.0	3.6560E-02	2.5905E-02
RU-103-106	2.0000E-03	1.4171E-03	5.4000E-02	3.8263E-02	0.0	0.0
SB-124-125	1.0800E-01	9.5119E-02	1.0000E-03	8.8073E-04	0.0	0.0
I-129	0.0	0.0	0.0	0.0	1.4800E-01	1.4000E-01
I-131	2.2600E-01	0.0	0.0	0.0	1.2349E-01	0.0
XE-131M	0.0	0.0	0.0	0.0	5.8000E+00	1.5345E-04
XE-133	0.0	0.0	0.0	0.0	1.0720E+03	0.0
CS-134	4.9300E-01	4.1634E-01	1.7500E-01	1.4779E-01	2.0000E-04	1.6890E-04
XE-135	0.0	0.0	0.0	0.0	7.2700E+02	0.0
CS-137	7.2860E+00	7.2023E+00	7.5963E-01	7.5091E-01	1.0560E-03	1.0439E-03
CS-134-137	0.0	0.0	2.5290E-03	2.5000E-03	0.0	0.0
CE-141	1.6000E-02	3.4735E-04	0.0	0.0	2.8300E-04	6.1438E-06
CE-144	1.4450E+00	9.2553E-01	0.0	0.0	1.6130E-02	1.0331E-02
CE-141-144	5.0000E-03	3.2025E-03	3.9000E-02	2.4980E-02	0.0	0.0
PM-147	1.3550E+00	1.1874E+00	3.4000E-02	2.9796E-02	0.0	0.0
U-NAT	1.3574E-01	1.3574E-01	4.100E-01	4.100E-01	4.7274E-03	4.7274E-03
PU-238	1.5370E-01	1.5308E-01	0.0	0.0	1.9740E-03	1.9661E-03
NP-239	0.0	0.0	8.0000E-03	0.0	0.0	0.0
PU-239	3.1578E-02	3.1578E-02	0.0	0.0	5.2000E-04	5.1999E-04
UH-ID-ALPHA	4.6770E-03	4.6770E-03	1.8603E-02	1.8603E-02	2.4340E-05	2.4340E-05
UH-ID-B+C	1.3499E-01	1.3499E-01	6.1164E-02	6.1164E-02	5.3700E-04	5.3700E-04

SRP RADIOACTIVE RELEASES, 1976

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	3.0055E+11	0.0	5.6714E+10	0.0	3.0783E+10	0.0
H-3	5.8460E+04	5.6837E+04	5.9640E+04	5.7984E+04	3.0371E+05	2.9528E+05
C-14	0.0	0.0	0.0	0.0	6.9000E+01	6.8996E+01
P-32	9.0000E-03	1.2904E-06	1.7000E-02	2.4375E-06	0.0	0.0
S-35	3.0900E-01	7.3578E-02	3.4400E-01	8.1912E-02	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	8.2810E+04	0.0
CR-51	6.3750E+00	6.7366E-02	3.6200E-01	3.8253E-03	0.0	0.0
CO-58	1.1300E-01	1.9152E-02	0.0	0.0	0.0	0.0
CO-60	4.6800E-01	4.3811E-01	2.0000E-03	1.8723E-03	1.2900E-04	1.2076E-04
ZN-65	4.3800E-01	2.6118E-01	0.0	0.0	0.0	0.0
KR-85	0.0	0.0	0.0	0.0	7.3600E+05	7.1261E+05
KR-85M	0.0	0.0	0.0	0.0	3.8300E+02	0.0
KR-87	0.0	0.0	0.0	0.0	4.2200E+02	0.0
KR-88	0.0	0.0	0.0	0.0	5.0800E+02	0.0
SR-89	1.9300E-01	1.6991E-02	4.0000E-03	3.5215E-04	0.0	0.0
SR-90	4.5800E-01	4.5238E-01	9.2469E-01	9.1334E-01	0.0	0.0
SR-89-90	2.6200E-04	2.5878E-04	2.7654E-03	2.7311E-03	4.6030E-03	4.5465E-03
Y-91	5.1000E-02	5.9407E-03	7.5000E-02	8.7363E-03	0.0	0.0
ZR-95	5.6980E+00	8.1474E-01	0.0	0.0	1.4271E-02	2.0406E-03
NB-95	3.3980E+00	9.1464E-02	0.0	0.0	2.6944E-02	7.2325E-04
ZR-NB-95	1.1500E-01	1.6444E-02	1.7000E-02	2.4308E-03	0.0	0.0
RU-103	1.8510E+00	7.5829E-02	0.0	0.0	2.0924E-02	8.5718E-04
RU-106	1.3141E+01	9.3114E+00	0.0	0.0	2.6390E-01	1.8699E-01
RU-103-106	2.3000E-02	1.6297E-02	1.0000E-03	7.0857E-04	0.0	0.0
SB-124-125	2.2200E-01	1.9552E-01	0.0	0.0	0.0	0.0
I-129	0.0	0.0	0.0	0.0	1.5000E-01	1.5000E-01
I-131	1.1700E-01	0.0	2.0000E-03	0.0	1.5546E-01	0.0
XE-131M	0.0	0.0	0.0	0.0	6.3080E+02	1.6689E-02
XE-133	0.0	0.0	0.0	0.0	2.4779E+03	0.0
CS-136	4.8300E-01	4.0790E-01	1.7000E-02	1.4357E-02	1.7000E-04	1.4357E-04
XE-135	0.0	0.0	0.0	0.0	7.3300E+02	0.0
CS-137	8.7910E+00	8.6900E+00	3.0296E-01	2.9948E-01	1.3160E-03	1.3009E-03
CS-134-137	0.0	0.0	9.8700E-04	9.7567E-04	0.0	0.0
CE-141	2.4000E-02	5.2103E-04	0.0	0.0	1.9700E-04	4.2768E-06
CE-144	4.7600E-01	3.0488E-01	0.0	0.0	1.1341E-02	7.2640E-03
CE-141-144	6.9000E-02	4.4195E-02	9.0000E-03	5.7645E-03	0.0	0.0
PM-147	8.4300E-01	7.3874E-01	9.4000E-02	8.2374E-02	0.0	0.0
U-NAT	2.6196E-01	2.6196E-01	3.6300E-01	3.6300E-01	4.9724E-03	4.9724E-03
PU-238	8.8000E-02	8.7648E-02	0.0	0.0	1.6220E-02	1.6155E-02
HP-239	1.0000E-03	0.0	0.0	0.0	0.0	0.0
PU-239	1.0031E-02	1.0031E-02	0.0	0.0	2.4000E-04	2.4000E-04
CM-244	2.6000E-02	2.5502E-02	0.0	0.0	3.3000E-04	3.2368E-04
UN-ID-ALPHA	5.5060E-03	5.5060E-03	8.3100E-03	8.3100E-03	2.0160E-03	2.0160E-03
UN-ID-B+G	2.1669E-01	2.1669E-01	8.0602E-02	8.0602E-02	7.7900E-04	7.7900E-04

SRP RADIOACTIVE RELEASES, 1977

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	3.0046E+11	0.0	7.4499E+10	0.0	3.2429E+10	0.0
H-3	2.7571E+04	2.6806E+04	4.3762E+04	4.2348E+04	3.8117E+05	3.7039E+05
C-14	0.0	0.0	0.0	0.0	6.3000E+01	6.2996E+01
P-32	2.2030E-02	3.1587E-06	6.4380E-03	8.5140E-07	0.0	0.0
S-35	5.1280E-02	1.2211E-02	6.1931E-01	1.4747E-01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	6.5080E+04	0.0
CR-51	6.1256E+00	6.4730E-02	6.6163E-01	6.9916E-03	0.0	0.0
MN-54	0.0	0.0	2.1010E-02	1.4016E-02	0.0	0.0
CO-58	6.0000E-03	1.0169E-03	0.0	0.0	0.0	0.0
CO-60	3.9523E-01	3.7280E-01	1.0336E-01	9.6757E-02	3.8000E-04	3.5573E-04
ZH-65	5.3100E-01	3.1664E-01	0.0	0.0	0.0	0.0
KR-85	0.0	0.0	0.0	0.0	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	4.4280E+05	4.2873E+05
KR-87	0.0	0.0	0.0	0.0	8.3900E+02	0.0
KR-88	0.0	0.0	0.0	0.0	6.0200E+02	0.0
SR-89	6.1562E-02	5.4197E-03	2.2774E-01	2.0049E-02	6.7100E+02	0.0
SR-90	5.1746E-01	5.1111E-01	6.9743E-01	6.8904E-01	0.0	0.0
SR-89-90	6.6000E-05	6.5190E-05	1.4900E-04	1.4717E-04	4.1350E-03	4.0842E-03
Y-91	1.9490E-02	2.2703E-03	8.1487E-02	9.4919E-03	0.0	0.0
ZR-95	2.2020E+00	1.486E-01	0.0	0.0	1.4427E-02	2.0629E-03
NS-95	1.4270E+00	3.8410E-02	0.0	0.0	3.7411E-02	1.0070E-03
ZR-KR-95	8.9340E-02	1.2774E-02	9.3821E-02	1.3415E-02	0.0	0.0
RU-103	1.2680E+00	5.1946E-02	0.0	0.0	2.4643E-02	1.0095E-03
RU-106	7.7640E+00	5.3014E+00	0.0	0.0	1.3964E-01	9.8945E-02
RU-103-106	3.7740E-03	2.6742E-03	1.0220E-03	7.2416E-04	0.0	0.0
SS-124-125	6.2680E-02	5.5204E-02	8.8200E-04	7.7681E-04	0.0	0.0
I-129	0.0	0.0	0.0	0.0	1.4000E-01	1.4000E-01
I-131	2.9144E-02	0.0	1.2406E-02	0.0	6.0868E-02	0.0
XE-131M	0.0	0.0	0.0	0.0	1.2120E+01	3.2066E-04
XE-133	0.0	0.0	0.0	0.0	2.3020E+03	0.0
CS-134	2.3524E-01	1.9866E-01	4.7263E-02	3.9914E-02	4.3300E-04	3.6567E-04
XE-135	0.0	0.0	0.0	0.0	1.5420E+03	0.0
CS-137	6.2443E+00	6.1726E+00	5.1002E-01	5.0416E-01	1.8620E-03	1.8406E-03
CS-134-137	0.0	0.0	1.7500E-04	1.7299E-04	0.0	0.0
CE-141	1.8000E-02	3.9077E-04	0.0	0.0	3.5000E-04	7.5984E-06
CE-144	3.0600E-01	1.9599E-01	0.0	0.0	1.4828E-02	9.4974E-03
CE-141-144	5.8072E-02	3.7195E-02	1.4391E-01	9.2178E-02	0.0	0.0
PM-147	2.9483E-01	2.5837E-01	2.9016E-02	2.5428E-02	0.0	0.0
U-NAT	1.1802E-01	1.1802E-01	8.4380E-02	8.4380E-02	1.5693E-03	1.5693E-03
PU-238	6.6045E-02	6.5781E-02	0.0	0.0	5.0210E-03	5.0009E-03
PU-239	1.4012E-02	1.4012E-02	0.0	0.0	1.0400E-04	1.0400E-04
AM-241	1.2000E-02	1.1991E-02	0.0	0.0	3.3830E-04	3.3824E-04
CM-244	4.7000E-02	4.6099E-02	0.0	0.0	3.3830E-04	3.3201E-04
UN-ID-ALPHA	7.4699E-04	7.4699E-04	8.3020E-03	8.3020E-03	2.5380E-05	2.5580E-05
UN-ID-B+G	1.1198E-01	1.1198E-01	5.8692E-02	5.8692E-02	4.9500E-04	4.9500E-04

SRP RADIOACTIVE RELEASES, 1978

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	3.0364E+11	0.0	5.7312E+11	0.0	2.8670E+10	0.0
H-3	2.9915E+04	2.9085E+04	3.7560E+04	3.6517E+04	3.6024E+05	3.5024E+05
C-14	0.0	0.0	0.0	0.0	5.7000E+01	5.6997E+01
P-32	3.6486E-03	5.1639E-07	2.6590E-05	0.0	0.0	0.0
S-35	1.2923E-02	3.0772E-03	1.5376E-02	3.6613E-03	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	5.2950E+04	0.0
CR-51	1.5439E+00	1.6315E-02	4.0410E-02	4.2702E-04	0.0	0.0
CD-58	5.3910E-04	9.1369E-05	0.0	0.0	0.0	0.0
CD-60	1.6567E-01	1.5508E-01	3.9390E-04	3.6874E-04	3.8000E-04	3.5573E-04
ZN-65	5.3840E-02	3.2105E-02	0.0	0.0	0.0	0.0
KR-83	0.0	0.0	0.0	0.0	5.3260E+05	5.1568E+05
KR-85M	0.0	0.0	0.0	0.0	8.8900E+02	0.0
KR-87	0.0	0.0	0.0	0.0	5.3500E+02	0.0
KR-88	0.0	0.0	0.0	0.0	8.3950E+02	0.0
SR-89	3.5132E-01	3.0929E-02	0.0	0.0	0.0	0.0
SR-90	2.0462E+00	2.0211E+00	4.8675E-01	4.8077E-01	0.0	0.0
SR-89-90	2.2440E-04	2.2155E-04	1.8000E-04	1.7779E-04	3.8320E-03	3.7850E-03
Y-91	1.8361E-02	2.1388E-03	3.7070E-03	4.3181E-04	0.0	0.0
ZR-95	2.0730E+00	2.9641E-01	0.0	0.0	7.3320E-03	1.0484E-03
HB-95	1.4765E+00	7.743E-02	0.0	0.0	1.9663E-02	5.2927E-04
ZR-HB-95	4.8390E-02	6.9192E-03	3.4670E-04	4.9574E-05	0.0	0.0
RU-103	1.2979E+00	5.3170E-02	0.0	0.0	8.0244E-01	3.2873E-02
RU-106	1.8974E+01	1.3444E+01	0.0	0.0	3.2071E+01	2.2724E+01
RU-103-106	7.2990E-04	3.1719E-04	0.0	0.0	0.0	0.0
SB-124-125	6.2470E-02	5.5019E-02	0.0	0.0	0.0	0.0
I-129	0.0	0.0	0.0	0.0	1.3000E-01	1.3000E-01
I-131	3.7210E-02	0.0	7.2560E-04	0.0	6.3420E-02	0.0
XE-131M	0.0	0.0	0.0	0.0	7.0840E+00	1.8742E-04
XE-133	0.0	0.0	0.0	0.0	2.1896E+03	0.0
CS-134	7.2190E-01	6.0965E-01	3.5390E-03	2.9887E-03	1.2500E-04	1.0556E-04
XE-135	0.0	0.0	0.0	0.0	1.6850E+01	0.0
CS-137	1.0292E+01	1.0174E+01	2.1425E-01	2.1179E-01	2.0440E-03	2.0205E-03
CS-134-137	0.0	0.0	1.6480E-04	1.6212E-04	0.0	0.0
CE-141	2.6297E-02	5.7089E-04	0.0	0.0	1.2900E-04	2.8003E-06
CE-144	2.1600E+00	1.3835E+00	0.0	0.0	1.4166E-02	9.0734E-03
CE-141-144	4.7143E-02	3.0196E-02	9.6160E-04	6.1591E-04	0.0	0.0
PM-147	5.5495E-01	4.8632E-01	3.1733E-03	2.7809E-03	0.0	0.0
U-NAT	1.8195E-01	1.8195E-01	5.5930E-02	5.5930E-02	3.0613E-03	3.0613E-03
PU-238	6.4020E-02	6.3764E-02	0.0	0.0	6.9400E-03	6.9122E-03
PU-239	1.7092E-02	1.7092E-02	0.0	0.0	2.2600E-04	2.2600E-04
AM-241	2.7000E-02	2.6988E-02	0.0	0.0	1.2295E-03	1.2286E-03
CM-244	1.0000E-02	9.8084E-03	0.0	0.0	1.3750E-04	1.3486E-04
UH-ID-ALPHA	4.2123E-04	4.2123E-04	5.7510E-03	5.7510E-03	1.6850E-05	1.6850E-05
UH-ID-B+G	4.1324E-01	4.1324E-01	1.4666E-01	1.4666E-01	7.3800E-04	7.3800E-04

SRP RADIOACTIVE RELEASES, 1979

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	2.9778E+11	0.0	1.1193E+12	0.0	3.0461E+10	0.0
H-3	4.3144E+04	4.1946E+04	2.9432E+04	2.8615E+04	3.3297E+05	3.2373E+05
C-14	0.0	0.0	0.0	0.0	5.6000E+01	5.5997E+01
P-32	2.0210E-03	2.1350E-07	4.0000E-03	5.7353E-07	0.0	0.0
S-35	1.9367E-02	4.6116E-03	1.0700E+00	2.3478E-01	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	5.3030E+04	0.0
CR-51	1.2713E+00	1.3434E-02	5.3800E-01	5.6852E-03	0.0	0.0
CO-60	1.0332E-01	9.6722E-02	4.0604E-01	3.8010E-01	4.0000E-04	3.7445E-04
ZN-65	8.0000E-02	4.7705E-02	0.0	0.0	0.0	0.0
KR-85	0.0	0.0	0.0	0.0	4.8250E+05	4.6717E+05
KR-85M	0.0	0.0	0.0	0.0	1.7920E+03	0.0
KR-87	0.0	0.0	0.0	0.0	1.5080E+03	0.0
KR-88	0.0	0.0	0.0	0.0	2.2530E+03	0.0
SR-89	8.3156E-02	7.3208E-03	0.0	0.0	0.0	0.0
SR-90	2.6731E+00	2.6402E+00	4.8088E-01	4.7498E-01	0.0	0.0
SR-89-90	9.0000E-05	8.8895E-05	8.9000E-05	8.7908E-05	2.4610E-03	2.4308E-03
Y-91	8.1990E-03	9.5505E-04	0.0	0.0	0.0	0.0
ZR-95	2.3790E+00	3.4017E-01	0.0	0.0	1.3176E-02	1.8840E-03
NB-95	1.3910E+00	3.7441E-02	0.0	0.0	2.6447E-02	7.1241E-04
ZR-NB-95	5.9260E-03	8.4734E-04	0.0	0.0	0.0	0.0
RU-103	1.5480E+00	6.3416E-02	0.0	0.0	4.8210E-03	1.9750E-04
RU-106	1.5878E+01	1.1251E+01	0.0	0.0	5.4570E-02	3.3667E-02
RU-103-106	1.8600E-04	1.3179E-04	0.0	0.0	0.0	0.0
SB-124-125	6.9520E-02	6.1229E-02	0.0	0.0	0.0	0.0
I-129	0.0	0.0	0.0	0.0	1.3000E-01	1.3000E-01
I-131	6.4841E-02	0.0	0.0	0.0	8.4343E-02	0.0
XE-131M	0.0	0.0	0.0	0.0	9.1130E+00	2.4110E-04
XE-133	0.0	0.0	0.0	0.0	5.3373E+03	1.3785E-07
CS-134	1.1536E+00	9.7423E-01	0.0	0.0	2.6800E-04	2.1633E-04
XE-135	0.0	0.0	0.0	0.0	4.4630E+03	0.0
CS-137	6.2159E+00	6.1445E+00	2.1219E-01	2.0975E-01	5.3710E-03	5.3093E-03
CS-134-137	0.0	0.0	2.7800E-04	2.7481E-04	0.0	0.0
CE-141	1.4000E-02	3.0393E-04	0.0	0.0	1.6500E-04	3.5170E-06
CE-144	2.4749E+01	1.5852E+01	0.0	0.0	1.7735E-02	1.1359E-02
CE-141-144	2.9049E-02	1.8606E-02	0.0	0.0	0.0	0.0
PM-147	2.9078E-01	2.5482E-01	0.0	0.0	0.0	0.0
U-NAT	1.7677E-01	1.7677E-01	6.4000E-02	6.4000E-02	2.4382E-03	2.4382E-03
PU-238	3.5083E-02	3.4942E-02	0.0	0.0	1.3720E-03	1.3665E-03
PU-239	1.6082E-02	1.6082E-02	0.0	0.0	3.9900E-04	3.9899E-04
AM-241	4.8058E-02	4.8022E-02	0.0	0.0	3.5500E-04	3.5473E-04
CM-244	4.8058E-02	4.7137E-02	0.0	0.0	3.8900E-04	3.8154E-04
UN-ID-ALPHA	6.8800E-04	6.8800E-04	8.8210E-03	8.8210E-03	1.1678E-05	1.1678E-05
UN-ID-B+G	2.5097E-01	2.5097E-01	7.8363E-01	7.8363E-01	2.7800E-04	2.7800E-04

SRP RADIOACTIVE RELEASES, 1980

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	2.7079E+11	0.0	9.4128E+11	0.0	2.9323E+10	0.0
H-3	3.5453E+04	3.4469E+04	2.4669E+04	2.3984E+04	3.1693E+05	3.0813E+05
C-14	0.0	0.0	0.0	0.0	6.6000E+01	6.5996E+01
P-32	1.8680E-03	1.3535E-07	0.0	0.0	0.0	0.0
S-35	1.0875E-02	2.5895E-03	0.0	0.0	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	0.0	0.0
CR-51	1.5479E+00	1.4357E-02	0.0	0.0	6.9720E+04	0.0
CO-60	2.2092E-01	2.0401E-01	1.5530E-03	1.4538E-03	0.0	0.0
ZN-65	1.4000E-01	8.3483E-02	0.0	0.0	6.1700E-04	5.7759E-04
KR-85	0.0	0.0	0.0	0.0	0.0	0.0
KR-85M	0.0	0.0	0.0	0.0	5.8320E+05	5.6467E+05
KR-87	0.0	0.0	0.0	0.0	1.2050E+03	0.0
KR-88	0.0	0.0	0.0	0.0	2.7910E+03	0.0
SR-89	4.5000E-02	3.9617E-03	0.0	0.0	3.9700E+03	0.0
SR-90	1.4500E-01	1.4322E-01	3.9988E-01	3.9497E-01	0.0	0.0
SR-89-90	9.3000E-05	9.1858E-05	9.9000E-05	9.7785E-05	2.5790E-03	2.5473E-03
Y-91	8.2500E-04	9.6100E-05	0.0	0.0	0.0	0.0
ZR-95	3.0930E+00	4.4226E-01	0.0	0.0	1.3510E-02	1.9318E-03
NB-95	1.9210E+00	5.1707E-02	0.0	0.0	1.7917E-02	4.8227E-04
ZR-NB-95	1.8723E-02	2.6772E-03	0.0	0.0	0.0	0.0
RU-103	1.2540E+00	5.1372E-02	0.0	0.0	1.6550E-03	6.7800E-05
RU-106	1.9793E+01	1.4025E+01	0.0	0.0	5.9840E-02	4.2401E-02
RU-103-106	9.5800E-04	6.7881E-04	0.0	0.0	0.0	0.0
SB-124-125	1.6805E-02	1.4801E-02	0.0	0.0	0.0	0.0
I-129	0.0	0.0	2.0000E-02	2.0000E-02	1.6000E-01	1.6000E-01
I-131	1.7278E-02	0.0	0.0	0.0	2.5120E-02	0.0
XE-131M	0.0	0.0	0.0	0.0	1.9300E-01	5.1061E-06
XE-133	0.0	0.0	0.0	0.0	7.7570E+03	2.5429E-07
CS-134	7.1936E-02	6.0751E-02	0.0	0.0	3.8000E-04	3.2091E-04
XE-135	0.0	0.0	0.0	0.0	6.3710E+03	0.0
CS-137	1.7938E+00	1.7732E+00	1.6073E-01	1.5888E-01	2.6320E-03	2.6018E-03
CS-134-137	0.0	0.0	3.1100E-04	3.0743E-04	0.0	0.0
CE-141	0.0	0.0	0.0	0.0	1.1100E-04	2.4098E-06
CE-144	3.8200E-01	2.4467E-01	0.0	0.0	1.5537E-02	9.9515E-03
CE-141-144	3.7080E-02	2.3750E-02	0.0	0.0	0.0	0.0
PM-147	1.2275E-01	1.0757E-01	0.0	0.0	0.0	0.0
U-MAT	2.8973E-01	2.8973E-01	1.8980E-01	1.8980E-01	4.0141E-03	4.0140E-03
PU-238	1.3110E-02	1.3058E-02	0.0	0.0	2.7630E-03	2.7519E-03
PU-239	1.6102E-02	1.6102E-02	0.0	0.0	1.2350E-03	1.2350E-03
AM-241	2.3000E-02	2.2983E-02	0.0	0.0	1.0730E-03	1.0722E-03
CM-244	1.0000E-02	9.8084E-03	0.0	0.0	8.9600E-04	8.7883E-04
UN-ID-ALPHA	1.4190E-03	1.4190E-03	5.7740E-03	5.7740E-03	1.8560E-05	1.8560E-05
UN-ID-B+O	1.4830E-01	1.4830E-01	4.2198E-01	4.2198E-01	1.9920E-03	1.9920E-03

SRP RADIOACTIVE RELEASES, 1981

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIOISOTOPES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	2.8097E+11	0.0	6.1550E+11	0.0	2.9691E+10	0.0
H-3	4.1623E+04	4.0468E+04	2.3847E+04	2.3105E+04	3.9462E+05	3.8366E+05
C-14	0.0	0.0	0.0	0.0	6.9000E+01	6.8996E+01
P-32	3.7030E-03	4.3516E-07	0.0	0.0	0.0	0.0
S-35	7.4126E-02	1.7651E-02	0.0	0.0	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	6.1860E+04	0.0
CR-51	2.4487E+00	2.5876E-02	0.0	0.0	0.0	0.0
CO-58	7.0200E-04	1.1898E-04	0.0	0.0	0.0	0.0
CO-60	1.6077E-01	1.5050E-01	2.4600E-04	2.3029E-04	8.9000E-05	8.3316E-05
ZM-65	7.4420E-02	4.4377E-02	0.0	0.0	0.0	0.0
KR-85	0.0	0.0	0.0	0.0	8.3850E+05	8.1186E+05
KR-85M	0.0	0.0	0.0	0.0	1.2990E+03	0.0
KK-87	0.0	0.0	0.0	0.0	8.6900E+02	0.0
KR-88	0.0	0.0	0.0	0.0	1.4760E+03	0.0
SR-89	1.2100E-01	1.0652E-02	0.0	0.0	0.0	0.0
SR-90	9.9106E-01	9.7890E-01	3.4784E-01	3.4357E-01	0.0	0.0
SR-89-90	1.2600E-04	1.2445E-04	0.0	0.0	2.9580E-03	2.9217E-03
Y-91	6.6600E-04	7.7578E-05	0.0	0.0	0.0	0.0
ZR-95	5.6413E+00	8.0663E-01	0.0	0.0	1.7093E-02	2.4441E-03
NB-95	4.0954E+00	1.1024E-01	0.0	0.0	6.3641E-02	1.7130E-03
ZR-NB-95	5.2160E-03	7.4582E-04	0.0	0.0	0.0	0.0
RU-103	2.0459E+00	8.3812E-02	0.0	0.0	1.2975E-02	5.3154E-04
RU-106	2.1547E+01	1.5268E+01	0.0	0.0	7.8300E-02	5.5461E-02
RU-103-106	3.4200E-04	2.4233E-04	0.0	0.0	0.0	0.0
SB-125	1.6000E+00	1.4092E+00	0.0	0.0	0.0	0.0
SB-124-125	1.2869E-01	1.1335E-01	0.0	0.0	0.0	0.0
I-129	0.0	0.0	2.2000E-02	2.2000E-02	1.6000E-01	1.6000E-01
I-131	2.0672E-02	0.0	0.0	0.0	4.7020E-02	0.0
XE-131M	0.0	0.0	0.0	0.0	6.4170E+00	1.6977E-04
XE-133	0.0	0.0	0.0	0.0	3.9270E+03	0.0
C3-134	7.7102E-02	6.5113E-02	0.0	0.0	6.4100E-04	5.4133E-04
XE-135	0.0	0.0	0.0	0.0	2.5320E+03	0.0
CS-137	2.6498E+00	2.6194E+00	2.2275E-01	2.2019E-01	3.0650E-03	3.0298E-03
CE-141	0.0	0.0	0.0	0.0	3.1500E-04	6.8385E-06
CE-144	2.8574E+00	1.8302E+00	0.0	0.0	2.6430E-02	1.6929E-02
CE-141-144	8.2550E-03	5.2874E-03	0.0	0.0	0.0	0.0
PM-147	5.6370E-01	4.9399E-01	0.0	0.0	0.0	0.0
U-NAT	7.2755E-01	7.2755E-01	1.7100E-01	1.7100E-01	6.0710E-03	6.0710E-03
PU-238	5.8710E-02	5.8475E-02	0.0	0.0	4.5690E-03	4.5507E-03
PU-239	5.3805E-02	5.3804E-02	0.0	0.0	2.7980E-03	2.7980E-03
AM-241	7.4227E-02	7.4171E-02	0.0	0.0	4.9400E-04	4.9363E-04
CM-244	3.0393E-02	2.9811E-02	0.0	0.0	1.6300E-04	1.5988E-04
UN-ID-ALPHA	3.1130E-03	3.1130E-03	7.6350E-03	7.6350E-03	9.3990E-06	9.3990E-06
UN-ID-B+G	1.7985E-01	1.7985E-01	3.5925E-01	3.5925E-01	1.1010E-03	1.1010E-03

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UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	3.1102E+11	0.0	6.3190E+11	0.0	8.3805E+10	0.0
H-3	2.9029E+04	2.8223E+04	3.2457E+04	3.1556E+04	4.3446E+05	4.2240E+05
C-14	0.0	0.0	0.0	0.0	8.0000E+01	7.9995E+01
P-32	4.8550E-03	9.1277E-07	0.0	0.0	0.0	0.0
S-35	1.7498E-01	4.2142E-02	0.0	0.0	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	4.8198E+04	0.0
CR-51	2.8806E+00	3.0440E-02	0.0	0.0	0.0	0.0
MN-54	1.1000E-05	7.3382E-06	0.0	0.0	0.0	0.0
CO-58	2.2420E-04	1.7998E-05	0.0	0.0	0.0	0.0
CO-60	2.6385E-01	2.4700E-01	1.1100E-04	1.0391E-04	4.4000E-05	4.1190E-05
ZN-65	9.1837E-02	5.4763E-02	0.0	0.0	0.0	0.0
KR-85	0.0	0.0	0.0	0.0	5.1078E+05	4.9447E+05
KR-85M	0.0	0.0	0.0	0.0	1.2670E+03	0.0
KR-87	0.0	0.0	0.0	0.0	4.8700E+02	0.0
KR-88	0.0	0.0	0.0	0.0	1.1960E+03	0.0
SR-90	6.7439E-02	5.9172E-03	0.0	0.0	0.0	0.0
SR-90	6.7239E-01	6.6414E-01	3.0957E-01	3.0577E-01	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	2.2560E-03	2.2283E-03
Y-91	8.3420E-03	9.7171E-04	0.0	0.0	0.0	0.0
ZR-95	6.3187E+00	7.0349E-01	0.0	0.0	1.4380E-02	2.0562E-03
NB-95	4.0649E+00	1.0941E-01	0.0	0.0	1.5878E-02	4.2739E-04
ZR-NB-95	1.1344E-02	1.6220E-03	0.0	0.0	0.0	0.0
RU-103	2.2739E+00	9.3154E-02	0.0	0.0	5.4407E-02	2.2289E-03
RU-106	6.6100E+00	4.6837E+00	0.0	0.0	1.8885E-01	1.3325E-01
RU-103-106	2.2867E-03	1.6203E-03	0.0	0.0	0.0	0.0
SB-124-125	7.0998E-02	6.2530E-02	0.0	0.0	0.0	0.0
I-129	0.0	0.0	2.2000E-02	2.2000E-02	5.9000E-02	5.9000E-02
I-131	8.1346E-02	0.0	0.0	0.0	1.0603E-01	0.0
XE-131M	0.0	0.0	0.0	0.0	5.8600E+01	1.5504E-03
XE-133	0.0	0.0	0.0	0.0	4.2480E+03	0.0
CS-134	5.0782E-02	4.2886E-02	0.0	0.0	3.8000E-05	3.2091E-05
XE-135	0.0	0.0	0.0	0.0	2.4230E+03	0.0
CS-137	2.8208E+00	2.7884E+00	1.6054E-01	1.5870E-01	9.6100E-04	9.4996E-04
CE-141	6.5830E-03	1.4291E-04	0.0	0.0	4.2000E-04	9.1180E-04
CE-144	6.5613E-01	4.2025E-01	0.0	0.0	7.8490E-03	5.0273E-03
CE-141-144	8.1920E-03	5.2470E-03	0.0	0.0	0.0	0.0
PM-147	4.7559E-01	4.1678E-01	0.0	0.0	0.0	0.0
U-NAT	3.6147E-01	3.6147E-01	4.2140E-02	4.2140E-02	9.1469E-03	9.1469E-03
PU-238	2.7401E-02	2.7491E-02	0.0	0.0	3.9990E-03	3.9830E-03
PU-239	2.7435E-02	2.7435E-02	0.0	0.0	1.7040E-03	1.7040E-03
AM-241	1.9706E-02	1.9691E-02	0.0	0.0	4.9800E-04	4.9762E-04
CM-244	8.2480E-03	8.0899E-03	0.0	0.0	1.6500E-04	1.6184E-04
UN-ID-ALPHA	4.9646E-03	4.9646E-03	9.2430E-03	9.2430E-03	1.1457E-05	1.1457E-05
UN-ID-B+G	1.4562E-01	1.4562E-01	1.3168E-01	1.3168E-01	1.0950E-03	1.0950E-03

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UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	3.1391E+11	0.0	7.1992E+11	0.0	2.5680E+10	0.0
H-3	3.7329E+04	3.6292E+04	3.4002E+04	3.3058E+04	6.1827E+05	6.0111E+05
C-14	0.0	0.0	0.0	0.0	9.0010E+01	9.0005E+01
P-32	1.5843E-02	2.2716E-06	0.0	0.0	0.0	0.0
S-35	1.0223E-01	2.4343E-02	0.0	0.0	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	4.0739E+04	0.0
CR-51	1.1800E+00	1.2469E-02	0.0	0.0	0.0	0.0
CO-58	2.1230E-02	3.5981E-03	0.0	0.0	0.0	0.0
CO-60	2.2481E-01	2.1045E-01	1.8520E-03	1.7337E-03	1.6800E-04	1.5727E-04
ZN-65	9.4530E-02	5.6369E-02	0.0	0.0	0.0	0.0
SE-75	0.0	0.0	0.0	0.0	5.5000E-05	1.9151E-05
KR-85	0.0	0.0	0.0	0.0	5.6570E+05	5.4773E+05
KR-85M	0.0	0.0	0.0	0.0	1.2260E+03	0.0
KR-87	0.0	0.0	0.0	0.0	8.0200E+02	0.0
KR-88	0.0	0.0	0.0	0.0	1.2850E+03	0.0
SR-89	8.7274E-02	7.6833E-03	0.0	0.0	0.0	0.0
SR-90	2.2461E-01	2.2186E-01	3.0546E-01	3.0171E-01	0.0	0.0
SR-99-90	0.0	0.0	0.0	0.0	2.7270E-03	2.6935E-03
Y-91	2.3760E-05	2.7677E-06	0.0	0.0	0.0	0.0
ZR-95	3.7782E+00	5.4023E-01	0.0	0.0	1.1192E-02	1.6003E-03
ND-95	3.2321E+00	8.6998E-02	0.0	0.0	1.7988E-02	4.8418E-04
ZR-NB-95	2.0222E-02	2.8915E-03	0.0	0.0	0.0	0.0
RU-103	4.3120E-01	1.7665E-02	0.0	0.0	2.0329E-02	8.3281E-04
RU-106	2.6788E+00	1.6981E+00	0.0	0.0	8.1216E-02	5.7548E-02
RU-103-106	5.3820E-04	3.8135E-04	0.0	0.0	0.0	0.0
SB-124-125	7.2329E-02	6.3879E-02	0.0	0.0	0.0	0.0
I-129	0.0	0.0	2.2000E-02	2.2000E-02	4.1000E-02	4.1000E-02
I-131	4.0920E-02	0.0	0.0	0.0	8.4055E-02	0.0
XE-131M	0.0	0.0	0.0	0.0	1.9580E+01	5.1802E-04
XE-133	0.0	0.0	0.0	0.0	3.4000E+03	0.0
CS-134	8.8571E-02	7.4799E-02	0.0	0.0	5.6000E-05	4.7292E-05
XE-135	0.0	0.0	0.0	0.0	2.3590E+03	0.0
CS-137	3.2959E+00	3.2580E+00	1.4802E-01	1.4632E-01	9.9400E-04	9.8259E-04
CS-134-137	0.0	0.0	1.0860E-03	1.0735E-03	0.0	0.0
CE-141	5.9030E-03	1.2815E-04	0.0	0.0	4.7000E-04	1.0204E-05
CE-144	3.5450E-01	2.2706E-01	0.0	0.0	8.8800E-03	5.6877E-03
CE-141-144	2.2224E-02	1.4235E-02	0.0	0.0	0.0	0.0
PM-147	6.6530E-02	5.8303E-02	0.0	0.0	0.0	0.0
DS-185	0.0	0.0	0.0	0.0	5.5000E-04	1.4116E-04
U-NAT	4.8097E-01	4.8097E-01	1.7320E-02	1.7320E-02	4.4655E-03	4.4655E-03
PU-238	3.7005E-02	3.6857E-02	0.0	0.0	2.6280E-03	2.6095E-03
PU-239	9.9220E-03	9.9219E-03	0.0	0.0	7.2000E-04	7.1999E-04
AM-241	1.6588E-02	1.6575E-02	0.0	0.0	2.5700E-04	2.5681E-04
CM-244	1.4369E-02	1.4094E-02	0.0	0.0	5.0600E-04	4.9630E-04
UN-ID-ALPHA	4.0172E-03	4.0172E-03	6.7430E-03	6.7430E-03	1.2834E-05	1.2834E-05
UN-ID-B+G	1.5248E-01	1.5248E-01	4.4828E-02	4.4828E-02	1.8520E-03	1.8520E-03

SRP RADIOACTIVE RELEASES, 1984

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	3.2089E+11	0.0	3.7087E+11	0.0	2.5250E+10	0.0
H-3	3.6307E+04	3.5300E+04	3.2790E+04	3.1880E+04	7.8638E+03	7.6455E+03
C-14	0.0	0.0	0.0	0.0	8.3000E+01	8.2995E+01
P-32	3.0310E-03	3.8355E-07	0.0	0.0	0.0	0.0
S-35	1.4694E-02	3.4989E-03	0.0	0.0	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	3.5921E+04	0.0
CR-51	5.9313E+00	6.2678E-02	0.0	0.0	0.0	0.0
CO-58	1.4000E-02	2.3728E-03	0.0	0.0	0.0	0.0
CO-60	2.6629E-01	2.4928E-01	3.1200E-04	2.9207E-04	5.4000E-05	5.0551E-05
Zn-65	1.0000E-02	5.9631E-03	0.0	0.0	0.0	0.0
SE-75	0.0	0.0	0.0	0.0	4.2000E-05	1.4624E-05
BR-82	0.0	0.0	0.0	0.0	4.0000E-02	0.0
KR-85	0.0	0.0	0.0	0.0	8.4320E+03	8.1641E+03
KR-85M	0.0	0.0	0.0	0.0	1.1790E+03	0.0
KR-87	0.0	0.0	0.0	0.0	5.9900E+02	0.0
KR-88	0.0	0.0	0.0	0.0	9.2300E+02	0.0
SR-89	1.6444E-02	1.4477E-03	0.0	0.0	0.0	0.0
SR-90	8.1735E-02	8.0732E-02	3.3266E-01	3.2858E-01	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	3.5200E-03	3.4768E-03
Y-91	5.2850E-03	6.1562E-04	0.0	0.0	0.0	0.0
Zr-95	7.0150E+00	1.0031E+00	0.0	0.0	1.3788E-02	1.9715E-03
NB-95	4.8220E+00	1.2979E-01	0.0	0.0	1.9104E-02	5.1422E-04
Zr-NB-95	1.5152E-02	2.1665E-03	0.0	0.0	0.0	0.0
RU-103	3.8300E-01	1.5690E-02	0.0	0.0	1.8967E-02	7.7701E-04
RU-106	1.2810E+00	9.0768E-01	0.0	0.0	1.4800E-01	1.0487E-01
RU-103-106	2.4030E-03	1.7027E-03	0.0	0.0	0.0	0.0
SB-124-125	2.8443E-02	2.5051E-02	0.0	0.0	0.0	0.0
I-129	0.0	0.0	2.2000E-02	2.2000E-02	3.5400E-02	3.5400E-02
I-131	1.1958E-01	0.0	0.0	0.0	2.8241E-01	0.0
XE-131M	0.0	0.0	0.0	0.0	1.8400E+01	4.8680E-04
XE-133	0.0	0.0	0.0	0.0	3.6930E+03	1.1952E-07
CS-134	1.7012E-01	1.4367E-01	0.0	0.0	3.8000E-05	3.2091E-05
XE-135	0.0	0.0	0.0	0.0	2.4750E+03	0.0
CS-137	5.9042E+00	5.8364E+00	2.3852E-01	2.3578E-01	1.9440E-03	1.9217E-03
CS-134-137	0.0	0.0	1.2810E-03	1.2663E-03	0.0	0.0
CE-141	3.0000E-03	6.5129E-05	0.0	0.0	8.3800E-04	1.8193E-05
CE-144	7.7000E-02	4.9319E-02	0.0	0.0	1.3249E-02	8.4860E-03
CE-141-144	1.4164E-02	9.0721E-03	0.0	0.0	0.0	0.0
PM-147	3.5437E-01	3.1055E-01	0.0	0.0	0.0	0.0
OS-185	0.0	0.0	0.0	0.0	4.0000E-04	1.0266E-04
U-NAT	1.7172E-01	1.7172E-01	9.6950E-03	9.6950E-03	2.1890E-03	2.1890E-03
PU-238	2.4000E-02	2.3904E-02	0.0	0.0	1.3650E-03	1.3595E-03
PU-239	1.8000E-02	1.8000E-02	0.0	0.0	4.6000E-04	4.5999E-04
AM-241	2.4000E-02	2.3982E-02	0.0	0.0	1.4280E-04	1.4187E-04
CM-244	2.9000E-02	2.8444E-02	0.0	0.0	2.5900E-04	2.5404E-04
UN-ID-ALPHA	4.4140E-03	4.4140E-03	3.1157E-02	3.1157E-02	1.2391E-03	1.2391E-03
UN-ID-B+G	4.5318E-01	4.5318E-01	1.2692E-01	1.2692E-01	5.0300E-04	5.0300E-04

SRP RADIOACTIVE RELEASES, 1985

UNITS VOLUMES: LIQUID, LITERS; ATMOSPHERIC, CUBIC METERS;
RADIONUCLIDES, CURIES

	LIQUID TO SEEPAGE BASINS		LIQUID TO STREAMS		ATMOSPHERIC	
	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED	ORIGINAL RELEASE	DECAY CORRECTED
VOLUMES	2.7594E+11	0.0	5.8189E+11	0.0	2.8826E+10	0.0
H-3	3.9964E+04	3.8855E+04	2.5018E+04	2.4324E+04	6.7406E+05	6.5355E+05
C-14	0.0	0.0	0.0	0.0	7.6000E+01	7.5995E+01
P-32	6.1100E-04	0.0	0.0	0.0	0.0	0.0
S-35	4.3112E-02	1.0266E-02	0.0	0.0	0.0	0.0
AR-41	0.0	0.0	0.0	0.0	0.0	0.0
CR-51	3.8250E+00	4.0420E-02	0.0	0.0	5.1753E+04	0.0
CO-58	7.0000E-03	1.1864E-03	0.0	0.0	0.0	0.0
CO-60	2.9170E-01	2.7307E-01	0.0	0.0	0.0	0.0
ZN-65	3.0000E-03	1.7889E-03	0.0	0.0	0.0	0.0
SE-75	0.0	0.0	0.0	0.0	9.3000E-04	3.2382E-06
KR-85	0.0	0.0	0.0	0.0	6.5000E+05	6.2935E+05
KR-85M	0.0	0.0	0.0	0.0	1.2810E+03	0.0
KR-87	0.0	0.0	0.0	0.0	1.0470E+03	0.0
KR-88	0.0	0.0	0.0	0.0	1.2780E+03	0.0
SR-89	1.3754E-02	1.2109E-03	0.0	0.0	0.0	0.0
SR-90	1.5362E-01	1.5173E-01	1.7632E-01	1.7416E-01	0.0	0.0
SR-89-90	0.0	0.0	0.0	0.0	1.7720E-03	1.7503E-03
Y-91	2.2600E-03	2.6325E-04	0.0	0.0	0.0	0.0
ZR-95	1.0261E+01	1.4672E+00	0.0	0.0	2.9180E-02	4.1724E-03
NB-95	8.5950E+00	2.3155E-01	0.0	0.0	4.8690E-02	1.3106E-03
ZR-NB-95	1.3074E-01	1.8694E-02	0.0	0.0	0.0	0.0
RU-103	7.6800E-01	3.1452E-02	0.0	0.0	1.1035E-02	4.5207E-04
RU-106	7.9620E+00	5.6417E+00	0.0	0.0	4.3300E-02	3.0681E-02
RU-103-106	4.3230E-03	3.0632E-03	0.0	0.0	0.0	0.0
SB-124-125	1.0677E-02	9.4036E-03	0.0	0.0	0.0	0.0
I-129	0.0	0.0	2.2000E-02	2.2000E-02	6.5000E-02	6.5000E-02
I-131	3.2368E-02	0.0	0.0	0.0	6.0462E-02	0.0
XE-131M	0.0	0.0	0.0	0.0	5.0000E+00	1.3228E-04
XE-133	0.0	0.0	0.0	0.0	4.6320E+03	1.2326E-07
CS-134	6.7705E-02	5.7177E-02	0.0	0.0	3.0000E-05	2.5335E-05
XE-135	0.0	0.0	0.0	0.0	1.7950E+03	0.0
CS-137	6.1982E+00	6.1270E+00	9.9029E-02	9.7892E-02	5.1750E-03	5.1156E-03
CE-141	0.0	0.0	0.0	0.0	3.6530E-03	7.9218E-05
CE-144	1.8800E-01	1.2041E-01	0.0	0.0	5.1050E-02	3.2698E-02
CE-141-144	9.3587E-02	5.9943E-02	0.0	0.0	0.0	0.0
PM-147	4.3385E-01	3.8020E-01	0.0	0.0	0.0	0.0
OS-185	0.0	0.0	0.0	0.0	5.8000E-04	1.4886E-04
U-NAT	1.6853E-01	1.6853E-01	1.3500E-03	1.3500E-03	2.5364E-03	2.5364E-03
PU-238	2.6000E-02	2.5896E-02	0.0	0.0	5.4400E-04	5.4182E-04
PU-239	2.0000E-02	2.0000E-02	0.0	0.0	4.9700E-04	4.9699E-04
AM-241	2.3000E-02	2.2983E-02	0.0	0.0	4.2600E-04	4.2568E-04
CM-244	2.8000E-02	2.7463E-02	0.0	0.0	2.4600E-04	2.4129E-04
UN-ID-ALPHA	7.9190E-03	7.9190E-03	7.0040E-03	7.0040E-03	1.4320E-05	1.4320E-05
UN-ID-B+0	6.2147E-01	6.2147E-01	1.2597E-01	1.2597E-01	6.7900E-04	6.7900E-04

SRP RADIOACTIVE RELEASES

SUMMARY D

MONTHLY RADIOACTIVE RELEASES

1981 THROUGH 1985

SRP RADIOACTIVE RELEASES

MONTHLY RADIOACTIVE RELEASES

1981

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

ATMOSPHERIC
100-C

	<u>I</u>	<u>AR-41</u>	<u>KR-85M</u>	<u>KR-87</u>	<u>KR-88</u>	<u>TOTAL</u> <u>KR</u>	<u>STACK</u> <u>I-131</u>	<u>DISS'Y</u> <u>I-131</u>	<u>XE-133</u>	<u>XE-135</u>
JANUARY	2.876E+03	3.264E+03	3.200E+01	2.800E+01	4.800E+01	1.080E+02	-	-	2.100E+01	5.500E+01
FEBRUARY	2.495E+03	3.530E+03	4.600E+01	3.200E+01	7.300E+01	1.510E+02	-	2.800E-05	6.500E+01	6.100E+01
MARCH	3.457E+03	4.289E+03	5.600E+01	4.300E+01	9.200E+01	1.910E+02	-	-	8.300E+01	8.200E+01
APRIL	7.000E+01	1.500E+03	2.000E+01	1.600E+01	3.400E+01	7.000E+01	-	3.430E-04	3.400E+01	2.900E+01
MAY	4.285E+03	1.480E+03	1.300E+01	1.300E+01	2.700E+01	5.300E+01	-	4.560E-04	2.000E+01	2.200E+01
JUNE	2.130E+03	-	6.000E+00	-	2.000E+00	8.000E+00	3.140E-04	3.580E-04	1.000E+00	-
JULY	1.630E+03	1.300E+03	3.500E+01	5.000E+00	3.000E+01	7.000E+01	-	-	3.200E+01	2.700E+01
AUGUST	1.230E+03	5.300E+02	5.000E+00	4.000E+00	9.000E+00	1.800E+01	-	3.310E-04	8.000E+00	9.000E+00
SEPTEMBER	3.490E+03	1.130E+03	8.000E+00	1.000E+01	1.300E+01	3.100E+01	5.500E-05	-	1.700E+01	1.400E+01
OCTOBER	3.620E+03	2.100E+03	2.100E+01	1.700E+01	3.200E+01	7.000E+01	-	6.800E-05	2.800E+01	3.000E+01
NOVEMBER	3.500E+03	1.800E+03	1.500E+01	1.000E+01	2.000E+01	4.500E+01	-	6.100E-05	3.000E+01	2.000E+01
DECEMBER	4.400E+03	1.700E+03	1.300E+01	9.000E+00	2.600E+01	4.800E+01	-	4.600E-05	4.700E+01	2.100E+01
TOTAL	3.318E+04	2.262E+04	2.700E+02	1.870E+02	4.060E+02	8.630E+02	3.690E-04	1.691E-03	3.860E+02	3.700E+02
STD. DEV.	±1.302E+03	±1.149E+03	±1.639E+01	±1.230E+01	±2.611E+01	±5.399E+01	±1.831E-04	±1.761E-04	±2.328E+01	±2.257E+01

	<u>TOTAL</u> <u>XE</u>	<u>OTHER</u> <u>B OR G</u>	<u>TOTAL</u> <u>ALPHA</u>	<u>STACK</u> <u>VOLUME</u>	<u>DISS'Y</u> <u>VOLUME</u>
JANUARY	7.600E+01	1.500E-05	6.000E-08	1.180E+11	9.175E+10
FEBRUARY	1.260E+02	1.700E-05	-	2.036E+11	9.175E+10
MARCH	1.650E+02	1.400E-05	6.000E-08	1.557E+11	1.146E+11
APRIL	6.300E+01	1.000E-05	2.100E-07	1.685E+11	9.175E+10
MAY	4.200E+01	1.000E-05	5.000E-08	2.237E+11	9.175E+10
JUNE	1.000E+00	2.600E-05	6.800E-07	4.930E+11	1.146E+11
JULY	5.900E+01	9.400E-05	4.200E-07	1.186E+11	9.175E+10
AUGUST	1.700E+01	1.020E-04	1.540E-06	2.664E+11	1.146E+11
SEPTEMBER	3.100E+01	1.400E-05	5.000E-08	1.395E+11	9.175E+10
OCTOBER	5.800E+01	2.700E-05	9.200E-07	1.557E+11	9.175E+10
NOVEMBER	5.000E+01	2.000E-06	-	2.554E+11	1.146E+11
DECEMBER	6.800E+01	2.000E-06	8.000E-09	2.030E+11	9.175E+10
TOTAL	7.560E+02	3.330E-04	3.998E-06	2.501E+12	1.192E+12
STD. DEV.	±4.492E+01	±3.373E-05	±5.071E-07	±1.022E+11	±1.129E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

ATMOSPHERIC
100-K

	<u>I</u>	<u>AR-41</u>	<u>KR-85M</u>	<u>KR-87</u>	<u>KR-88</u>	<u>TOTAL</u> <u>KR</u>	<u>STACK</u> <u>I-131</u>	<u>DISS'Y</u> <u>I-131</u>	<u>XE-133</u>	<u>XE-135</u>
JANUARY	2.480E+03	2.900E+03	1.400E+01	1.400E+01	2.700E+01	5.502E+01	9.200E-05	2.800E-05	8.700E+01	3.300E+01
FEBRUARY	3.385E+03	1.785E+03	1.000E+01	1.000E+01	2.000E+01	4.000E+01	-	4.300E-05	8.800E+01	2.500E+01
MARCH	5.635E+03	-	-	1.000E+00	-	1.000E+00	1.034E-03	2.870E-04	1.000E+00	-
APRIL	6.635E+03	1.000E+00	-	-	-	-	-	-	-	-
MAY	7.855E+03	1.300E+03	2.000E+01	2.500E+01	3.500E+01	8.000E+01	-	5.000E-06	6.500E+01	6.000E+01
JUNE	6.750E+03	1.410E+03	3.500E+01	4.500E+01	6.000E+01	1.400E+02	-	-	9.000E+01	1.000E+02
JULY	5.855E+03	1.470E+03	2.500E+01	2.500E+01	3.500E+01	8.500E+01	-	-	8.500E+01	7.000E+01
AUGUST	3.250E+03	1.375E+03	3.000E+01	3.000E+01	5.000E+01	1.100E+02	1.300E-05	-	1.000E+02	8.000E+01
SEPTEMBER	3.655E+03	1.700E+03	3.100E+01	3.700E+01	5.000E+01	1.180E+02	-	-	1.040E+02	8.800E+01
OCTOBER	3.370E+03	1.535E+03	1.500E+01	3.000E+01	3.500E+01	8.000E+01	1.500E-05	-	6.500E+01	7.500E+01
NOVEMBER	4.160E+03	2.600E+03	4.000E+01	6.500E+01	8.000E+01	1.850E+02	-	-	1.250E+02	1.400E+02
DECEMBER	3.680E+03	3.480E+03	1.100E+02	1.450E+02	2.150E+02	4.700E+02	-	-	3.000E+02	2.400E+02
TOTAL	5.671E+04	1.955E+04	3.300E+02	4.270E+02	6.070E+02	1.364E+03	1.154E-03	3.630E-04	1.110E+03	9.110E+02
STD. DEV.	±1.733E+03	±9.314E+02	±2.875E+01	±3.926E+01	±5.694E+01	±1.250E+02	±4.983E-04	±1.317E-04	±7.315E+01	±6.163E+01

	<u>TOTAL</u> <u>XE</u>	<u>OTHER</u> <u>B OR G</u>	<u>TOTAL</u> <u>ALPHA</u>	<u>STACK</u> <u>VOLUME</u>	<u>DISS'Y</u> <u>VOLUME</u>
JANUARY	1.200E+02	4.000E-06	-	1.583E+11	9.175E+10
FEBRUARY	1.130E+02	5.000E-06	-	1.370E+11	9.175E+10
MARCH	1.000E+00	2.070E-04	1.800E-07	4.061E+11	1.146E+11
APRIL	-	3.300E-05	3.800E-07	3.511E+11	9.175E+10
MAY	1.250E+02	2.500E-05	5.600E-07	1.611E+11	9.175E+10
JUNE	1.900E+02	7.000E-06	2.800E-07	1.653E+11	1.146E+11
JULY	1.550E+02	2.000E-05	9.000E-08	1.359E+11	9.175E+10
AUGUST	1.800E+02	5.800E-05	1.490E-06	1.472E+11	1.146E+11
SEPTEMBER	1.920E+02	1.700E-05	2.400E-07	1.401E+11	9.175E+10
OCTOBER	1.400E+02	9.000E-06	2.000E-07	1.053E+11	9.175E+10
NOVEMBER	2.650E+02	3.200E-05	1.500E-07	1.702E+11	1.146E+11
DECEMBER	5.400E+02	2.000E-06	5.000E-08	1.308E+11	9.175E+10
TOTAL	2.021E+03	4.190E-04	3.620E-06	2.208E+12	1.192E+12
STD. DEV.	±1.350E+02	±5.655E-05	±4.228E-07	±9.331E+10	±1.129E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 100-P									
	T	AR-41	KR-85M	KR-87	KR-88	TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
JANUARY	2.320E+03	1.770E+03	7.000E+01	3.000E+01	5.000E+01	1.500E+02	-	2.030E-04	2.100E+02	1.500E+02
FEBRUARY	1.900E+03	3.795E+03	1.200E+02	7.000E+01	1.000E+02	2.900E+02	2.050E-04	-	4.500E+02	3.050E+02
MARCH	2.230E+03	2.330E+03	5.000E+01	3.500E+01	5.500E+01	1.400E+02	-	3.990E-04	2.900E+02	1.550E+02
APRIL	1.945E+03	2.750E+03	9.000E+01	4.000E+01	6.500E+01	1.950E+02	-	3.100E-05	3.400E+02	1.500E+02
MAY	1.445E+03	-	4.000E+01	-	5.000E+00	4.500E+01	5.220E-04	1.873E-03	-	-
JUNE	1.240E+03	-	3.400E+01	-	8.000E+00	4.200E+01	-	7.700E-05	1.100E+01	-
JULY	1.060E+03	-	4.000E+01	-	5.000E+00	4.500E+01	7.200E-05	-	1.000E+01	1.000E+00
AUGUST	1.060E+03	1.360E+03	4.000E+01	1.000E+01	2.000E+01	7.000E+01	-	-	1.100E+02	8.000E+01
SEPTEMBER	3.870E+03	1.420E+03	1.500E+01	1.000E+01	3.000E+01	5.500E+01	1.200E-05	-	4.500E+02	1.000E+01
OCTOBER	3.240E+03	9.100E+02	6.000E+01	2.000E+01	3.000E+01	1.100E+02	-	-	5.000E+01	1.100E+02
NOVEMBER	2.580E+03	2.830E+03	7.000E+01	2.000E+01	5.000E+01	1.400E+02	8.000E-06	-	2.700E+02	1.600E+02
DECEMBER	2.240E+03	2.530E+03	7.000E+01	2.000E+01	4.500E+01	1.350E+02	3.000E-06	3.000E-06	2.400E+02	1.300E+02
TOTAL	2.513E+04	1.969E+04	6.990E+02	2.550E+02	4.630E+02	1.417E+03	8.220E-04	2.586E-03	2.431E+03	1.251E+03
STD. DEV.	±8.604E+02	±9.035E+02	±2.822E+01	±1.870E+01	±2.816E+01	±7.420E+01	±2.036E-04	±7.212E-04	±1.602E+02	±8.605E+01

	TOTAL XE	OTHER R OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
JANUARY	3.600E+02	1.700E-05	5.000E-08	1.835E+11	1.076E+11
FEBRUARY	7.550E+02	6.000E-06	-	1.359E+11	1.076E+11
MARCH	4.450E+02	3.000E-06	-	2.293E+11	1.345E+11
APRIL	4.900E+02	6.000E-06	3.600E-07	1.483E+11	1.076E+11
MAY	-	2.700E-05	6.000E-08	3.596E+11	1.076E+11
JUNE	1.100E+01	3.000E-06	1.600E-07	4.188E+11	1.345E+11
JULY	1.100E+01	3.200E-05	3.800E-07	2.846E+11	1.076E+11
AUGUST	1.900E+02	4.700E-05	-	1.692E+11	1.345E+11
SEPTEMBER	4.600E+02	6.000E-06	6.000E-08	1.566E+11	1.076E+11
OCTOBER	1.600E+02	2.000E-06	-	1.308E+11	1.076E+11
NOVEMBER	4.300E+02	-	-	1.860E+11	1.345E+11
DECEMBER	3.700E+02	4.000E-06	-	1.707E+11	1.076E+11
TOTAL	3.682E+03	1.530E-04	1.870E-06	2.573E+12	1.399E+12
STD. DEV.	±2.237E+02	±1.506E-05	±1.539E-07	±9.273E+10	±1.324E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	LIQUID C PURGE TO SEEPAGE BASIN									
	T	P-12	Q-35	CR-51	CO- 58.68	SR-89	SR-98	Y-91	ZR-95 NR-95	RU-103 106
JANUARY	6.400E+01	-	-	2.100E-04	-	-	-	-	-	-
FEBRUARY	1.270E+03	2.140E-04	2.800E-05	3.803E-02	-	-	-	-	-	-
MARCH	4.200E+01	-	-	-	-	-	-	-	-	-
APRIL	2.590E+02	-	-	7.557E-03	-	-	-	-	-	-
MAY	7.800E+01	1.100E-04	-	3.298E-03	-	-	-	-	-	-
JUNE	9.870E+02	1.017E-03	4.687E-03	5.382E-02	2.140E-04	-	-	2.980E-04	1.280E-04	-
JULY	8.870E+02	7.700E-05	2.013E-02	3.090E-02	-	-	-	-	-	-
AUGUST	9.910E+02	-	4.975E-03	2.200E-02	-	-	-	-	-	-
SEPTEMBER	4.600E+01	2.700E-05	9.200E-03	6.560E-04	-	-	-	-	4.300E-05	-
OCTOBER	7.540E+02	-	1.082E-03	1.870E-02	-	-	-	-	-	-
NOVEMBER	-	-	-	-	-	-	-	-	-	-
DECEMBER	1.881E+03	-	1.321E-03	5.644E-03	-	-	-	-	-	-
TOTAL	7.219E+03	1.445E-03	1.224E-02	1.808E-01	2.140E-04	-	-	2.980E-04	1.710E-04	-
STD. DEV.	±6.106E+02	±4.126E-04	±7.147E-03	±1.814E-02	-	-	-	-	±6.010E-05	-

	58-124 125	I-131	CS-134	CS-137	CE-141 144	PM-147	R OR G	ALPHA	VOLUME
JANUARY	-	-	-	-	-	-	2.100E-04	3.000E-06	1.380E+05
FEBRUARY	-	6.913E-03	4.430E-04	4.055E-03	-	-	4.518E-02	2.200E-05	2.200E+04
MARCH	-	-	-	-	-	-	-	-	1.030E+05
APRIL	-	-	-	-	-	3.400E-05	7.557E-03	3.000E-06	4.200E+05
MAY	-	-	-	-	2.620E-04	-	3.670E-03	1.000E-06	1.830E+05
JUNE	8.130E-04	-	2.470E-04	3.771E-03	2.325E-03	7.520E-04	6.309E-02	1.380E-04	2.341E+06
JULY	-	-	1.091E-03	1.403E-02	-	1.630E-04	9.111E-02	7.208E-05	3.299E+06
AUGUST	-	-	2.527E-03	1.876E-02	-	4.080E-04	2.698E-02	5.500E-05	3.958E+06
SEPTEMBER	-	-	1.740E-04	-	-	3.000E-04	8.180E-04	3.000E-06	1.347E+05
OCTOBER	-	2.080E-04	9.010E-04	6.356E-03	-	3.600E-03	1.991E-02	5.160E-04	2.637E+06
NOVEMBER	-	-	-	-	-	-	-	-	-
DECEMBER	-	-	1.054E-03	1.215E-02	-	6.400E-05	6.965E-03	1.770E-04	3.529E+06
TOTAL	8.130E-04	7.121E-03	6.263E-03	5.930E-02	2.587E-03	1.460E-03	2.255E-01	9.900E-04	1.894E+07
STD. DEV.	-	±4.741E-03	±8.023E-04	±6.450E-03	±1.458E-03	±2.778E-04	±2.308E-02	±1.589E-04	±1.546E+06

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	LIQUID C PROCESS SEWER						
	T	CO- 58.68	SR-98	CS-137	OTHER R OR G	ALPHA	WATER VOLUME
JANUARY	1.000E+00	-	-	-	-	-	2.600E+08
FEBRUARY	4.000E+00	2.000E-06	-	-	1.000E-06	-	4.310E+08
MARCH	2.000E+00	-	-	-	-	2.680E-04	4.620E+08
APRIL	5.000E+00	-	-	-	-	-	4.780E+08
MAY	3.000E+00	-	-	-	-	-	4.960E+08
JUNE	7.000E+00	-	-	-	-	-	4.900E+08
JULY	5.000E+00	1.300E-04	1.600E-05	2.200E-05	4.450E-04	-	5.100E+08
AUGUST	2.000E+00	-	-	-	-	-	5.069E+08
SEPTEMBER	6.000E+00	-	-	-	-	-	4.899E+08
OCTOBER	4.000E+00	-	-	-	-	-	5.099E+08
NOVEMBER	3.000E+00	-	-	-	-	-	4.899E+08
DECEMBER	4.000E+00	-	-	-	-	-	4.779E+08
TOTAL	4.600E+01	1.320E-04	1.600E-05	2.200E-05	4.460E-04	2.680E-04	5.602E+09
STD. DEV.	±1.749E+00	±9.050E-05	-	-	±3.139E-04	-	±6.884E+07

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	<u>LIQUID</u> <u>C RX HX COOLING W</u>		<u>WATER</u> <u>VOLUME</u>
	<u>T</u>		
JANUARY	2.160E+02	2.476E+10	
FEBRUARY	1.950E+02	2.211E+10	
MARCH	3.380E+02	3.320E+10	
APRIL	1.460E+02	2.413E+10	
MAY	1.630E+02	1.760E+10	
JUNE	4.100E+01	1.209E+10	
JULY	1.940E+02	2.655E+10	
AUGUST	1.350E+02	2.793E+10	
SEPTEMBER	2.710E+02	2.315E+10	
OCTOBER	2.810E+02	2.399E+10	
NOVEMBER	2.610E+02	2.787E+10	
DECEMBER	2.030E+02	2.209E+10	
TOTAL	2.444E+03	2.855E+11	
STD. DEV.	±7.881E+01	±5.330E+09	

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	<u>LIQUID</u> <u>690-Q SEEPAGE BASIN</u>		<u>OTHER</u>				<u>VOLUME</u>
	<u>T</u>	<u>CO-60</u>	<u>SR-90</u>	<u>CS-137</u>	<u>B OR Q</u>	<u>ALPHA</u>	
JANUARY	-	-	-	-	-	-	-
FEBRUARY	-	-	-	-	2.000E-06	-	2.270E+04
MARCH	-	-	-	2.000E-06	-	-	2.270E+04
APRIL	-	-	-	4.000E-06	-	-	2.270E+04
MAY	-	-	-	-	-	-	-
JUNE	-	-	-	-	-	-	-
JULY	-	-	-	-	-	-	-
AUGUST	-	2.600E-05	-	8.000E-06	-	1.000E-06	2.269E+04
SEPTEMBER	-	-	-	-	-	-	-
OCTOBER	-	-	-	-	-	-	2.269E+04
NOVEMBER	-	-	-	-	-	-	-
DECEMBER	-	-	-	-	-	-	-
TOTAL	-	2.600E-05	-	1.400E-05	2.000E-06	1.000E-06	1.134E+05
STD. DEV.	-	-	-	±3.055E-06	-	-	±5.033E-04

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	<u>LIQUID</u> <u>K PURGE TO 904-SBQ</u>										
	<u>T</u>	<u>P-32</u>	<u>S-35</u>	<u>CR-51</u>	<u>CO-60</u>	<u>SR-89</u>	<u>SR-90</u>	<u>Y-91</u>	<u>ZR-95</u> <u>ND-95</u>	<u>RU-103</u> <u>106</u>	
JANUARY	6.550E+02	-	1.900E-05	2.034E-02	8.500E-03	-	-	-	1.645E-03	4.600E-05	
FEBRUARY	3.790E+02	-	-	-	-	-	-	-	-	-	
MARCH	1.492E+03	4.100E-05	1.563E-03	3.213E-02	7.900E-05	-	-	1.100E-05	5.000E-06	-	
APRIL	5.550E+02	-	5.800E-05	1.073E-02	-	-	-	-	1.800E-05	-	
MAY	8.590E+02	-	3.444E-03	1.392E-02	-	-	-	-	-	-	
JUNE	1.020E+02	5.730E-04	3.740E-04	8.580E-04	2.050E-04	-	-	1.090E-04	3.520E-04	2.800E-05	
JULY	3.300E+01	5.400E-05	8.400E-05	3.400E-04	1.270E-04	-	-	1.540E-04	3.910E-04	-	
AUGUST	-	-	-	-	-	-	-	-	-	-	
SEPTEMBER	2.250E+02	-	1.550E-04	3.953E-03	4.680E-04	-	-	-	2.634E-03	2.680E-04	
OCTOBER	7.130E+02	-	9.000E-04	6.800E-05	9.610E-04	-	-	-	-	-	
NOVEMBER	3.700E+01	-	-	-	-	-	-	-	-	-	
DECEMBER	-	-	-	-	-	-	-	-	-	-	
TOTAL	5.050E+03	6.680E-04	5.706E-03	8.235E-02	1.925E-03	-	-	2.740E-04	5.045E-03	3.420E-04	
STD. DEV.	±4.553E+02	±3.034E-04	±1.219E-03	±1.149E-02	±3.454E-04	-	-	±7.311E-05	±1.065E-03	±1.336E-04	

	<u>SB-124</u> <u>123</u>	<u>I-131</u>	<u>CS-134</u>	<u>CS-137</u>	<u>CE-141</u> <u>144</u>	<u>PM-147</u>	<u>B OR Q</u>	<u>ALPHA</u>	<u>VOLUME</u>
JANUARY	8.530E-04	3.400E-05	-	2.910E-04	1.787E-03	-	2.383E-02	4.100E-05	1.433E+06
FEBRUARY	1.064E-03	-	-	9.810E-04	5.600E-05	-	5.600E-05	4.000E-06	9.849E+05
MARCH	1.394E-03	-	1.000E-06	6.390E-04	3.870E-04	9.000E-06	3.413E-02	3.300E-05	2.598E+06
APRIL	8.320E-04	-	-	3.380E-04	-	1.300E-05	1.080E-02	2.200E-05	1.389E+06
MAY	-	-	-	4.882E-03	-	-	1.737E-02	9.100E-05	2.468E+06
JUNE	-	-	1.210E-04	9.440E-04	4.880E-04	1.180E-04	2.754E-03	2.800E-05	3.000E+05
JULY	-	-	-	3.000E-06	7.580E-04	1.810E-04	1.781E-03	4.980E-05	9.589E+04
AUGUST	-	-	-	-	-	-	-	-	-
SEPTEMBER	2.900E-05	-	-	1.939E-03	1.924E-03	3.340E-04	8.666E-03	7.560E-04	5.457E+05
OCTOBER	3.710E-03	-	2.100E-05	1.180E-02	-	2.900E-04	7.700E-05	4.800E-04	2.345E+06
NOVEMBER	-	-	-	8.300E-05	-	8.000E-06	-	1.100E-05	1.359E+05
DECEMBER	-	-	-	-	-	-	-	-	-
TOTAL	7.882E-03	3.400E-05	1.430E-04	2.190E-02	5.400E-03	9.530E-04	9.960E-02	1.515E-03	1.228E+07
STD. DEV.	±1.257E-03	-	±6.429E-05	±3.672E-03	±7.746E-04	±1.371E-04	±1.192E-02	±2.554E-04	±9.747E+05

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

<u>LIQUID</u> <u>K PROCESS SEWER</u>		<u>CORIES - (VOLUME, LITERS)</u>					
	<u>T</u>	<u>CO-</u> <u>SR-60</u>	<u>SR-90</u>	<u>CS-137</u>	<u>OTHER</u> <u>B OR Q</u>	<u>ALPHA</u>	<u>WATER</u> <u>VOLUME</u>
JANUARY	1.400E+01	-	-	-	-	-	5.200E+08
FEBRUARY	1.300E+01	-	-	-	-	-	5.060E+08
MARCH	2.200E+01	-	-	-	-	-	5.800E+08
APRIL	1.000E+01	-	-	-	-	-	4.940E+08
MAY	1.600E+01	-	-	-	-	-	4.810E+08
JUNE	9.000E+00	-	-	-	-	-	5.600E+08
JULY	2.800E+01	-	-	-	-	-	3.308E+08
AUGUST	9.000E+00	-	-	-	-	-	2.899E+08
SEPTEMBER	3.100E+01	-	-	-	-	-	2.799E+08
OCTOBER	1.400E+01	-	-	-	-	-	2.939E+08
NOVEMBER	5.000E+00	-	-	-	-	-	2.499E+08
DECEMBER	4.000E+00	-	-	-	-	-	5.969E+08
TOTAL	1.750E+02	-	-	-	-	-	5.182E+09
STD. DEV.	+8.511E+00	-	-	-	-	-	+1.316E+08

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	<u>LIQUID</u> <u>K RX HX COOLING W</u>		<u>WATER</u> <u>VOLUME</u>
	<u>T</u>	<u>WATER</u> <u>VOLUME</u>	
JANUARY	3.620E+02	2.485E+10	
FEBRUARY	3.010E+02	2.139E+10	
MARCH	1.400E+01	8.800E+08	
APRIL	1.100E+01	8.110E+09	
MAY	1.630E+02	2.503E+10	
JUNE	2.610E+02	3.147E+10	
JULY	2.960E+02	2.377E+10	
AUGUST	3.860E+02	3.262E+10	
SEPTEMBER	3.320E+02	2.388E+10	
OCTOBER	3.860E+02	2.653E+10	
NOVEMBER	4.950E+02	3.310E+10	
DECEMBER	3.630E+02	2.659E+10	
TOTAL	3.370E+03	2.783E+11	
STD. DEV.	±1.485E+02	±9.611E+09	

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	<u>LIQUID</u> <u>100-L TO STREAM</u>		<u>SR-90</u>	<u>CS-134</u>	<u>CS-137</u>	<u>OTHER</u> <u>B OR Q</u>	<u>ALPHA</u>	<u>WATER</u> <u>VOLUME</u>
	<u>T</u>	<u>CO-60</u>						
JANUARY	-	-	-	-	-	-	-	-
FEBRUARY	-	-	-	-	-	-	-	-
MARCH	-	-	-	-	-	-	-	-
APRIL	-	-	-	-	-	-	-	-
MAY	2.120E+02	-	1.100E-02	-	3.040E-02	1.050E-02	6.400E-05	8.059E+06
JUNE	1.600E+01	-	-	-	3.700E-03	4.415E-03	-	9.709E+05
JULY	-	-	-	-	-	-	-	-
AUGUST	1.000E+00	6.600E-05	5.700E-05	-	1.763E-02	-	2.500E-05	1.859E+06
SEPTEMBER	2.200E+01	1.000E-06	5.960E-04	-	2.627E-03	-	3.000E-06	7.118E+05
OCTOBER	5.000E+00	-	2.250E-04	-	3.370E-04	2.420E-04	1.000E-06	1.699E+05
NOVEMBER	2.000E+00	4.700E-05	4.320E-04	-	4.360E-04	5.290E-04	2.000E-06	1.456E+05
DECEMBER	1.500E-01	-	5.000E-05	-	7.600E-05	1.330E-04	-	1.099E+04
TOTAL	2.561E+02	1.140E-04	1.236E-02	-	5.521E-02	1.581E-02	9.500E-05	1.192E+07
STD. DEV.	±7.744E+01	±3.342E-05	±4.384E-03	-	±1.169E-02	±4.473E-03	±2.706E-05	±2.874E+06

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

**LIQUID
P PURGE TO SEEPAGE BASIN**

	<u>T</u>	<u>P-32</u>	<u>S-35</u>	<u>CR-51</u>	<u>CO-58.60</u>	<u>SR-89</u>	<u>SR-90</u>	<u>Y-91</u>	<u>ZR-95 NA-95</u>	<u>RU-103 106</u>
JANUARY	6.010E+02	-	2.550E-04	5.240E-03	-	-	-	-	-	-
FEBRUARY	1.600E+01	-	1.210E-04	3.900E-03	1.000E-06	-	-	-	-	-
MARCH	1.018E+03	-	4.261E-03	3.983E-02	-	-	-	9.400E-05	-	-
APRIL	1.238E+03	-	7.870E-03	1.640E-02	-	-	-	-	-	-
MAY	6.420E+02	-	3.935E-03	1.147E-02	-	-	-	-	-	-
JUNE	1.790E+02	9.490E-04	8.150E-04	-	-	-	-	-	-	-
JULY	-	-	-	-	-	-	-	-	-	-
AUGUST	5.160E+02	3.030E-04	9.620E-04	1.564E-03	-	-	6.300E-05	-	-	-
SEPTEMBER	7.390E+02	3.380E-04	7.293E-03	4.001E-03	-	-	-	-	-	-
OCTOBER	5.870E+02	-	4.000E-06	1.713E-03	-	-	-	-	-	-
NOVEMBER	6.360E+02	-	1.011E-02	3.330E-03	-	-	-	-	-	-
DECEMBER	2.180E+02	-	5.580E-04	-	-	-	-	-	-	-
TOTAL	6.410E+03	1.590E-03	3.610E-02	8.359E-02	1.000E-06	-	6.300E-05	9.400E-05	-	-
STD. DEV.	±3.575E+02	±3.632E-04	±3.659E-03	±1.260E-02	-	-	-	-	-	-

	<u>SB-124 125</u>	<u>I-131</u>	<u>CS-134</u>	<u>CS-137</u>	<u>CE-141 144</u>	<u>PM-147</u>	<u>B OR G</u>	<u>ALPHA</u>	<u>VOLUME</u>
JANUARY	-	3.964E-03	1.394E-03	1.761E-02	-	-	9.459E-03	1.070E-04	1.400E+06
FEBRUARY	-	-	6.000E-06	6.800E-05	4.630E-06	4.800E-06	1.640E-04	-	3.230E+04
MARCH	-	-	1.780E-04	3.939E-03	-	-	4.418E-02	1.700E-05	2.400E+06
APRIL	-	-	2.120E-04	1.054E-02	-	1.245E-03	2.427E-02	3.100E-05	3.570E+06
MAY	-	-	-	2.250E-04	-	-	1.540E-02	1.600E-05	1.890E+06
JUNE	-	-	-	5.940E-04	2.640E-04	7.800E-05	2.028E-03	1.200E-05	5.900E+05
JULY	-	-	-	-	-	-	-	-	-
AUGUST	-	-	1.810E-03	2.429E-02	-	5.200E-04	2.829E-03	6.300E-05	1.479E+06
SEPTEMBER	-	3.991E-03	2.190E-04	6.389E-03	-	-	1.562E-02	3.800E-05	2.079E+06
OCTOBER	-	-	4.990E-04	-	-	-	1.719E-03	3.000E-06	2.009E+06
NOVEMBER	-	3.218E-03	7.670E-04	3.760E-03	-	3.840E-04	1.645E-02	3.020E-04	2.189E+06
DECEMBER	-	-	3.590E-04	-	-	5.300E-05	5.580E-04	1.800E-05	8.199E+05
TOTAL	-	1.117E-02	4.586E-03	7.328E-02	2.680E-04	2.284E-03	1.329E-01	6.070E-04	1.846E+07
STD. DEV.	-	±1.387E-04	±6.985E-04	±8.106E-03	±1.838E-04	±4.704E-04	±1.341E-02	±9.018E-05	±9.708E+05

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

**LIQUID
P PROCESS SEWER**

	<u>T</u>	<u>CO-58.60</u>	<u>SR-90</u>	<u>CS-137</u>	<u>OTHER B OR G</u>	<u>ALPHA</u>	<u>WATER VOLUME</u>
JANUARY	2.000E+01	-	-	-	-	-	4.620E+08
FEBRUARY	5.000E+00	-	-	-	-	-	1.360E+08
MARCH	2.200E+01	-	-	-	-	-	3.030E+08
APRIL	1.200E+01	-	-	-	-	7.000E-05	1.520E+08
MAY	1.700E+01	-	-	-	-	-	4.300E+08
JUNE	3.100E+01	-	-	-	-	-	4.600E+08
JULY	1.100E+01	-	-	-	-	-	4.899E+08
AUGUST	1.200E+01	-	-	-	-	-	4.399E+08
SEPTEMBER	1.500E+01	-	-	-	-	-	3.099E+08
OCTOBER	1.700E+01	-	-	-	-	-	4.499E+08
NOVEMBER	1.100E+01	-	-	-	-	-	4.599E+08
DECEMBER	1.100E+01	-	-	-	-	-	4.379E+08
TOTAL	1.840E+02	-	-	-	-	7.000E-05	4.530E+09
STD. DEV.	±6.759E+00	-	-	-	-	-	±1.236E+08

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

**LIQUID
P RX HX COOLING H**

	<u>T</u>	<u>WATER VOLUME</u>
JANUARY	1.500E+02	2.635E+10
FEBRUARY	4.220E+02	2.656E+10
MARCH	9.300E+01	2.723E+10
APRIL	2.810E+02	2.514E+10
MAY	3.000E+01	8.280E+09
JUNE	7.800E+01	1.663E+10
JULY	7.600E+01	1.103E+10
AUGUST	1.680E+02	3.025E+10
SEPTEMBER	1.410E+02	2.655E+10
OCTOBER	2.090E+02	2.565E+10
NOVEMBER	2.270E+02	3.319E+10
DECEMBER	1.190E+02	2.659E+10
TOTAL	1.994E+03	2.835E+11
STD. DEV.	±1.074E+02	±7.576E+09

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

**ATMOSPHERIC
200-F STACKS**

	T	SR-89 98	ZR-95	HR-95	RU-103	RU-106	T-131	CS-134	CS-137	CE-141
JANUARY	-	1.600E-05	1.230E-04	5.460E-04	4.100E-05	7.190E-04	1.090E-04	-	4.100E-05	-
FEBRUARY	-	5.800E-05	2.640E-04	1.194E-03	5.100E-05	1.121E-03	-	-	6.100E-05	2.000E-06
MARCH	-	4.900E-05	2.350E-04	1.409E-03	2.200E-05	5.510E-04	1.730E-04	2.000E-06	3.100E-05	3.000E-06
APRIL	-	5.400E-05	3.950E-04	2.737E-03	5.300E-05	1.267E-03	2.170E-04	1.000E-06	3.800E-05	1.000E-06
MAY	-	1.010E-04	5.480E-04	3.944E-03	8.100E-05	1.816E-03	1.780E-04	4.000E-06	1.730E-04	-
JUNE	-	9.000E-05	6.300E-04	4.849E-03	9.100E-05	2.105E-03	1.610E-04	2.000E-06	1.750E-04	2.000E-06
JULY	-	3.040E-04	1.020E-03	3.620E-03	1.480E-04	2.399E-03	8.920E-04	1.000E-06	9.300E-05	2.000E-05
AUGUST	-	3.090E-04	1.391E-03	8.479E-03	3.120E-04	3.098E-03	3.290E-04	6.000E-06	1.790E-04	2.400E-05
SEPTEMBER	-	2.630E-04	2.189E-03	1.582E-02	2.929E-04	2.451E-03	9.280E-04	7.000E-06	2.580E-04	4.000E-05
OCTOBER	-	9.400E-05	2.510E-03	7.378E-03	6.950E-04	2.788E-03	7.840E-04	-	8.200E-05	3.700E-05
NOVEMBER	-	1.860E-04	2.945E-03	7.991E-03	8.170E-04	3.402E-03	1.871E-02	-	1.110E-04	9.500E-05
DECEMBER	-	4.900E-05	7.200E-04	2.857E-03	2.320E-04	8.100E-04	1.016E-02	-	5.000E-05	3.200E-05
TOTAL	-	1.573E-03	1.317E-02	6.083E-02	2.795E-03	2.252E-02	3.264E-02	2.300E-05	1.292E-03	2.560E-04
STD. DEV.	-	±1.061E-04	±1.577E-04	±4.305E-03	±2.569E-04	±1.763E-04	±5.992E-03	±2.429E-06	±7.264E-05	±2.878E-05

	CE-144	OTHER R OR G	AM-241 243	CM-242 244	U-235 238	PU-238 239	PU-238 239	PU-239	OTHER ALPHA	TOTAL ALPHA
JANUARY	3.710E-04	-	1.200E-05	8.000E-06	9.700E-05	4.300E-05	1.300E-05	3.000E-05	-	-
FEBRUARY	6.490E-04	7.000E-06	9.000E-06	4.000E-06	2.830E-04	7.800E-05	2.300E-05	5.500E-05	-	-
MARCH	3.870E-04	-	4.500E-05	1.000E-05	2.520E-04	7.700E-05	3.300E-05	4.400E-05	-	-
APRIL	4.320E-04	3.000E-06	2.900E-05	6.000E-06	2.560E-04	5.900E-05	2.200E-05	3.700E-05	-	-
MAY	6.400E-04	8.000E-06	2.200E-05	7.000E-06	3.690E-04	1.190E-04	4.200E-05	7.700E-05	-	-
JUNE	7.400E-04	8.000E-06	2.400E-05	7.000E-06	3.030E-04	8.600E-05	3.700E-05	4.900E-05	-	-
JULY	9.610E-04	2.000E-06	2.800E-05	9.000E-06	3.830E-04	8.500E-05	3.800E-05	4.700E-05	-	-
AUGUST	2.177E-03	6.000E-06	3.300E-05	1.200E-05	4.090E-04	1.070E-04	3.000E-05	7.700E-05	-	-
SEPTEMBER	2.652E-03	1.000E-05	4.100E-05	1.300E-05	4.330E-04	1.070E-04	2.600E-05	8.100E-05	-	-
OCTOBER	1.237E-03	-	2.400E-05	8.000E-06	7.090E-04	1.870E-04	5.900E-05	1.280E-04	-	-
NOVEMBER	1.776E-03	3.000E-06	1.400E-05	5.000E-06	5.090E-04	1.450E-04	7.100E-05	7.400E-05	-	-
DECEMBER	5.990E-04	-	1.300E-05	4.000E-06	3.080E-04	1.270E-04	5.500E-05	7.200E-05	-	-
TOTAL	1.262E-02	4.700E-05	2.940E-04	9.300E-05	4.303E-03	1.220E-03	4.490E-04	7.710E-04	-	-
STD. DEV.	±7.578E-04	±2.900E-06	±1.145E-05	±2.895E-06	±1.527E-04	±3.944E-05	±1.697E-05	±2.657E-05	-	-

**AIR
VOLUME**

JANUARY	3.273E+11
FEBRUARY	3.273E+11
MARCH	4.092E+11
APRIL	3.273E+11
MAY	4.092E+11
JUNE	3.273E+11
JULY	3.273E+11
AUGUST	4.092E+11
SEPTEMBER	3.273E+11
OCTOBER	3.273E+11
NOVEMBER	4.092E+11
DECEMBER	3.273E+11
TOTAL	4.255E+12
STD. DEV.	±4.029E+10

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 200-H STACKS										
	SR-89 90		ZR-95	HB-95	RU-103	RU-104	Y-131	CS-134	CS-137	CE-141
	T									
JANUARY	1.240E+04	1.500E-05	6.400E-05	3.900E-03	4.000E-06	2.385E-03	2.020E-04	1.700E-05	8.400E-05	-
FEBRUARY	1.088E+04	2.280E-04	9.700E-05	1.050E-04	2.760E-04	6.504E-03	1.860E-04	1.070E-04	4.000E-04	-
MARCH	4.770E+04	2.800E-05	3.520E-04	2.750E-04	3.800E-04	2.865E-03	3.570E-04	1.200E-05	6.100E-05	3.000E-06
APRIL	1.521E+04	3.200E-05	2.470E-04	2.500E-04	3.470E-04	2.885E-03	2.010E-04	2.200E-05	4.300E-05	-
MAY	1.614E+04	-	3.430E-04	3.650E-04	2.180E-04	4.199E-03	4.190E-04	1.500E-05	8.500E-05	-
JUNE	1.485E+04	-	1.640E-04	9.300E-05	9.900E-05	2.626E-03	2.290E-04	1.200E-05	1.730E-04	-
JULY	1.877E+04	6.450E-04	9.770E-04	6.220E-04	1.980E-04	3.792E-03	3.030E-04	2.860E-04	5.000E-04	1.600E-05
AUGUST	1.905E+04	6.100E-05	1.770E-04	1.480E-04	3.120E-04	6.513E-03	4.890E-04	4.800E-05	2.050E-04	-
SEPTEMBER	1.772E+04	3.600E-05	1.440E-04	1.230E-04	1.130E-04	3.998E-03	2.430E-04	3.000E-05	4.300E-05	-
OCTOBER	1.872E+04	1.310E-04	5.840E-04	2.910E-04	1.237E-03	2.978E-03	4.130E-04	3.600E-05	7.800E-05	1.100E-05
NOVEMBER	2.006E+04	1.170E-04	4.010E-04	2.680E-04	2.779E-03	5.380E-03	6.670E-04	2.400E-05	7.200E-05	2.400E-05
DECEMBER	1.739E+04	9.200E-05	3.730E-04	2.300E-04	4.222E-03	1.166E-02	4.680E-04	9.000E-06	2.900E-05	5.000E-06
TOTAL	2.310E+05	1.385E-03	3.923E-03	2.811E-03	1.018E-02	5.578E-02	4.177E-03	6.180E-04	1.773E-03	5.900E-05
STD. DEV.	±9.382E+03	±1.893E-04	±2.537E-04	±1.560E-04	±1.313E-03	±2.634E-03	±1.482E-04	±7.854E-05	±1.518E-04	±8.526E-06

	CE-144	OTHER B OR Q	AM-241 243	CM-242 244	U-235 238	PU-238 239	PU-238 239	OTHER ALPHA	TOTAL ALPHA
JANUARY	5.040E-04	1.230E-04	-	-	1.340E-04	3.390E-04	1.890E-04	1.500E-04	-
FEBRUARY	1.190E-03	-	8.000E-06	1.000E-06	1.110E-04	3.680E-04	2.810E-04	8.700E-05	-
MARCH	6.870E-04	1.100E-05	7.000E-06	3.000E-06	1.880E-04	6.530E-04	4.510E-04	2.020E-04	-
APRIL	4.900E-04	-	2.000E-05	4.000E-06	1.980E-04	8.070E-04	6.320E-04	1.750E-04	-
MAY	5.350E-04	-	3.200E-05	9.000E-06	1.520E-04	4.770E-04	3.360E-04	1.410E-04	-
JUNE	3.670E-04	5.000E-06	8.000E-06	1.000E-06	7.400E-05	2.180E-04	1.410E-04	7.700E-05	-
JULY	6.152E-03	-	1.600E-05	1.300E-05	1.820E-04	4.340E-04	2.820E-04	1.520E-04	-
AUGUST	1.029E-03	-	3.400E-05	1.100E-05	1.460E-04	5.690E-04	3.430E-04	2.260E-04	-
SEPTEMBER	3.640E-04	-	1.400E-05	4.000E-06	1.730E-04	6.080E-04	4.490E-04	1.590E-04	-
OCTOBER	9.960E-04	-	2.900E-05	1.300E-05	2.820E-04	9.550E-04	5.290E-04	4.260E-04	-
NOVEMBER	9.990E-04	-	1.400E-05	4.000E-06	6.200E-05	3.770E-04	2.570E-04	1.200E-04	-
DECEMBER	5.010E-04	-	1.800E-05	7.000E-06	6.600E-05	3.420E-04	2.300E-04	1.120E-04	-
TOTAL	1.381E-02	1.390E-04	2.000E-04	7.000E-05	1.768E-03	6.147E-03	4.120E-03	2.027E-03	-
STD. DEV.	±1.600E-03	±6.646E-05	±9.662E-06	±4.700E-06	±6.396E-05	±2.147E-04	±1.456E-04	±9.184E-05	-

AIR VOLUME	
JANUARY	2.283E+11
FEBRUARY	2.283E+11
MARCH	2.854E+11
APRIL	2.243E+11
MAY	2.855E+11
JUNE	2.283E+11
JULY	2.283E+11
AUGUST	2.854E+11
SEPTEMBER	2.283E+11
OCTOBER	2.283E+11
NOVEMBER	2.854E+11
DECEMBER	2.283E+11
TOTAL	2.968E+12
STD. DEV.	±2.811E+10

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

**LIQUID
200-F SEEPAGE BASIN**

	<u>T</u>	<u>CR-91</u>	<u>CO-58</u>	<u>CO-60</u>	<u>SR-89</u> <u>90</u>	<u>SR-89</u>	<u>SR-90</u>	<u>ZR-95</u>	<u>NR-95</u>	<u>RU-103</u>
JANUARY	8.011E+02	-	-	-	3.063E-03	-	3.000E-03	3.368E-01	3.519E-01	3.802E-02
FEBRUARY	5.512E+02	-	-	-	1.834E-03	-	2.000E-03	4.460E-01	4.602E-01	1.717E-02
MARCH	2.554E+02	-	-	-	5.767E-03	-	6.000E-03	1.592E-01	1.344E-01	3.766E-02
APRIL	5.144E+02	-	-	-	1.838E-02	-	1.800E-02	2.123E-01	1.474E-01	9.059E-02
MAY	7.553E+02	-	-	-	3.264E-02	-	3.300E-02	1.782E-01	1.885E-01	6.323E-02
JUNE	4.418E+02	-	-	-	9.952E-02	-	1.000E-01	2.674E-01	2.728E-01	4.619E-02
JULY	5.599E+02	-	-	-	1.626E-02	-	1.600E-02	2.863E-01	1.384E-01	5.967E-01
AUGUST	3.972E+02	-	-	-	4.514E-02	6.000E-03	3.900E-02	5.642E-01	3.485E-01	1.230E-01
SEPTEMBER	6.804E+02	-	-	-	1.306E-02	-	1.300E-02	7.485E-01	3.768E-01	1.759E-01
OCTOBER	1.050E+03	-	-	-	1.790E-02	2.000E-03	1.600E-02	4.934E-01	1.709E-01	2.201E-01
NOVEMBER	5.596E+02	-	-	-	5.807E-03	-	6.000E-03	3.743E-01	1.811E-01	2.073E-01
DECEMBER	1.010E+03	-	-	-	6.305E-03	-	6.000E-03	1.469E+00	1.206E+00	3.992E-01
TOTAL	7.577E+03	-	-	-	2.657E-01	8.000E-03	2.580E-01	5.536E+00	3.977E+00	2.015E+00
STD. DEV.	±2.390E+02	-	-	-	±2.753E-02	±2.828E-03	±2.728E-02	±3.611E-01	±2.964E-01	±1.737E-01

	<u>RU-104</u>	<u>I-131</u>	<u>CS-134</u>	<u>CS-137</u>	<u>CE-141</u>	<u>CE-144</u>	<u>PM-147</u>	<u>OTHER</u> <u>B OR G</u>	<u>AM-241</u> <u>243</u>	<u>CM-242</u> <u>244</u>
JANUARY	7.784E-01	-	-	2.678E-02	-	-	-	-	1.138E-02	2.834E-03
FEBRUARY	4.111E-01	-	-	1.802E-02	-	-	-	-	2.729E-03	8.541E-04
MARCH	6.643E-01	-	2.301E-03	4.440E-02	-	6.143E-03	3.000E-03	1.095E-03	3.650E-03	1.070E-03
APRIL	1.794E+00	-	8.044E-04	6.759E-02	-	2.363E-02	1.030E-01	-	7.765E-03	1.966E-03
MAY	1.494E+00	-	-	4.495E-02	-	9.467E-02	-	-	1.262E-02	2.076E-03
JUNE	1.103E+00	-	-	9.108E-02	-	1.829E-01	5.900E-02	-	5.075E-03	1.049E-03
JULY	5.107E+00	-	-	6.049E-02	-	5.836E-03	2.300E-02	-	4.163E-03	9.516E-04
AUGUST	2.190E+00	-	1.059E-02	8.955E-02	-	2.534E-01	1.900E-02	-	2.221E-03	6.209E-04
SEPTEMBER	1.545E+00	-	-	7.615E-02	-	1.129E-02	1.700E-02	-	3.192E-03	1.083E-03
OCTOBER	1.188E+00	-	-	5.204E-02	-	4.613E-02	3.600E-02	-	8.324E-03	6.269E-03
NOVEMBER	6.812E-01	2.347E-03	-	2.611E-02	-	3.823E-02	3.800E-02	-	6.627E-03	7.652E-03
DECEMBER	1.463E+00	-	-	4.178E-02	-	5.083E-03	1.400E-02	-	2.348E-03	1.509E-03
TOTAL	1.842E+01	2.347E-03	1.370E-02	6.392E-01	-	6.674E-01	3.140E-01	1.095E-03	7.010E-02	2.873E-02
STD. DEV.	±1.239E+00	-	±5.273E-03	±2.428E-02	-	±8.595E-02	±3.026E-02	-	±3.534E-03	±2.275E-03

	<u>U-235</u> <u>238</u>	<u>PU-238</u>	<u>PU-239</u>	<u>TOTAL</u> <u>ALPHA</u>	<u>WATER</u> <u>VOLUME</u>
JANUARY	1.115E-02	1.567E-03	2.559E-03	2.949E-02	2.434E+07
FEBRUARY	1.266E-02	1.218E-03	1.892E-03	1.935E-02	2.018E+07
MARCH	1.510E-02	1.567E-03	2.049E-03	2.344E-02	1.489E+07
APRIL	2.827E-02	1.606E-03	2.769E-03	4.238E-02	1.966E+07
MAY	3.024E-02	2.341E-03	3.301E-03	5.138E-02	2.487E+07
JUNE	1.376E-02	1.913E-03	3.100E-03	2.490E-02	4.186E+07
JULY	1.810E-02	1.310E-03	1.986E-03	2.651E-02	2.202E+07
AUGUST	1.443E-02	1.097E-03	2.493E-03	2.082E-02	3.002E+07
SEPTEMBER	3.028E-02	1.600E-03	3.738E-03	3.989E-02	1.842E+07
OCTOBER	5.009E-02	1.847E-03	3.780E-03	7.031E-02	2.874E+07
NOVEMBER	4.682E-02	1.834E-03	3.742E-03	6.668E-02	7.869E+06
DECEMBER	3.424E-01	5.376E-03	9.650E-03	3.653E-01	1.788E+07
TOTAL	6.135E-01	2.74E-02	4.108E-02	7.805E-01	2.708E+08
STD. DEV.	±9.267E-02	±2.263E-03	±2.078E-03	±9.612E-02	±8.544E+06

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1980
CURIES - (VOLUME, LITERS)

LIQUID 200-II SEEPAGE BASIN											
	<u>I</u>	<u>CR-51</u>	<u>CC-58</u>	<u>CO-60</u>	<u>ZN-65</u>	<u>SR-89</u> <u>90</u>	<u>SR-89</u>	<u>SR-90</u>	<u>ZR-95</u>	<u>NR-95</u>	
JANUARY	1.010E+03	2.273E-01	-	2.292E-02	2.215E-02	3.801E-02	1.000E-02	2.800E-02	9.857E-04	1.874E-03	
FEBRUARY	9.699E+02	1.186E-01	-	1.556E-02	3.066E-03	2.058E-02	1.000E-03	2.000E-02	5.934E-04	5.892E-04	
MARCH	6.045E+02	2.003E-01	-	1.514E-02	-	1.249E-02	1.000E-03	1.100E-02	4.229E-03	3.919E-03	
APRIL	1.041E+03	4.826E-02	-	6.037E-03	4.586E-03	4.854E-02	1.000E-03	4.700E-02	1.291E-02	1.055E-02	
MAY	1.363E+03	2.928E-02	-	3.771E-03	-	5.177E-02	-	5.200E-02	2.006E-03	3.917E-03	
JUNE	4.059E+02	2.124E-02	-	3.931E-03	6.617E-04	1.860E-01	4.100E-02	1.450E-01	8.494E-03	8.458E-03	
JULY	1.742E+03	1.904E-01	-	1.521E-02	7.172E-03	3.549E-01	4.800E-02	3.070E-01	1.009E-02	9.471E-03	
AUGUST	1.671E+03	7.241E-02	-	6.286E-03	1.368E-02	3.953E-02	-	4.000E-02	2.776E-02	2.825E-02	
SEPTEMBER	1.186E+03	1.205E-01	-	1.700E-02	7.514E-03	3.455E-02	-	3.100E-02	1.800E-02	2.000E-02	
OCTOBER	9.832E+02	7.558E-01	7.020E-04	1.136E-02	9.608E-03	3.475E-02	6.000E-03	2.900E-02	2.700E-03	6.138E-03	
NOVEMBER	9.017E+02	2.498E-01	-	1.263E-02	5.984E-03	1.500E-02	5.000E-03	2.900E-02	2.700E-03	9.112E-03	
DECEMBER	1.493E+03	6.795E-02	-	8.758E-03	-	7.076E-03	-	7.000E-02	9.550E-03	1.618E-02	
TOTAL	1.337E+04	2.102E+00	7.020E-04	1.586E-01	7.442E-02	8.423E-01	1.130E-01	7.330E-01	1.055E-01	1.184E-01	
STD. DEV.	±4.019E+02	±1.990E-01	-	±8.236E-03	±6.416E-03	±1.012E-01	±1.909E-02	±8.550E-02	±7.959E-03	±8.082E-03	
	<u>RU-103</u>	<u>RU-104</u>	<u>SB-124</u> <u>125</u>	<u>I-131</u>	<u>CS-134</u>	<u>CS-137</u>	<u>CE-141</u>	<u>CE-144</u>	<u>PM-147</u>	<u>OTHER</u> <u>B OR G</u>	
JANUARY	-	8.223E-02	3.434E-04	-	2.894E-03	1.107E-01	-	7.508E-02	-	1.419E-02	
FEBRUARY	9.301E-04	1.095E-01	4.719E-03	-	5.114E-03	1.189E-01	-	2.289E-02	1.600E-02	1.184E-03	
MARCH	1.554E-03	1.071E-01	6.180E-04	-	2.949E-03	5.766E-02	-	4.844E-02	1.600E-02	1.783E-02	
APRIL	1.859E-03	1.265E-01	5.980E-03	-	3.088E-03	8.613E-02	-	2.940E-01	3.700E-02	8.181E-03	
MAY	1.850E-03	2.755E-01	5.655E-03	-	9.312E-03	1.479E-01	-	2.622E-01	-	1.475E-02	
JUNE	-	1.230E-01	1.218E-02	-	2.136E-03	9.437E-02	-	3.260E-01	4.100E-02	1.912E-02	
JULY	1.419E-03	2.469E-01	6.717E-03	-	1.044E-03	1.280E-01	-	3.519E-01	3.100E-02	2.197E-02	
AUGUST	7.483E-03	2.701E-01	-	-	-	9.382E-02	-	3.201E-01	1.500E-02	3.019E-03	
SEPTEMBER	1.454E-03	4.530E-01	2.400E-02	-	8.020E-03	1.680E-01	-	2.090E-01	2.900E-02	1.364E-02	
OCTOBER	5.484E-03	8.442E-01	4.282E-02	-	1.246E-02	6.393E-01	-	1.521E-02	8.000E-03	1.475E-02	
NOVEMBER	2.466E-03	3.348E-01	1.532E-02	-	6.780E-04	8.380E-02	-	8.018E-02	2.500E-02	4.161E-02	
DECEMBER	6.364E-03	1.546E-01	1.672E-03	-	4.696E-03	1.267E-01	-	1.854E-01	5.000E-03	8.054E-03	
TOTAL	3.086E-02	3.127E+00	1.200E-01	-	5.241E-02	1.855E+00	-	2.190E+00	2.430E-01	1.783E-01	
STD. DEV.	±2.396E-03	±2.153E-01	±1.273E-02	-	±3.711E-03	±1.555E-01	-	±1.283E-01	±1.504E-02	±1.050E-02	
	<u>AM-241</u> <u>243</u>	<u>CM-242</u> <u>244</u>	<u>U-235</u> <u>238</u>	<u>PU-238</u>	<u>PU-239</u>	<u>TOTAL</u> <u>ALPHA</u>	<u>WATER</u> <u>VOLUME</u>				
JANUARY	3.173E-04	5.707E-05	6.067E-04	1.185E-03	6.615E-04	2.827E-03	2.421E+07				
FEBRUARY	5.819E-04	1.430E-04	1.523E-03	2.642E-03	1.398E-03	6.288E-03	8.105E+06				
MARCH	2.455E-04	1.152E-04	7.076E-04	1.525E-03	5.959E-04	3.189E-03	1.028E+07				
APRIL	1.408E-04	4.122E-05	6.448E-04	1.608E-03	5.284E-04	2.964E-03	7.449E+06				
MAY	2.197E-04	5.225E-05	5.815E-04	1.254E-03	6.128E-04	2.721E-03	1.134E+07				
JUNE	1.264E-04	6.567E-05	2.261E-03	7.874E-03	3.618E-03	1.394E-02	1.513E+07				
JULY	2.668E-04	4.987E-05	6.734E-04	1.469E-03	7.979E-04	3.258E-03	2.226E+07				
AUGUST	2.705E-04	9.082E-05	6.700E-04	1.582E-03	7.276E-04	3.341E-03	7.369E+06				
SEPTEMBER	3.013E-04	1.174E-04	8.330E-04	1.000E-03	1.047E-03	5.000E-03	1.649E+07				
OCTOBER	2.820E-04	1.080E-04	7.120E-04	9.720E-04	6.500E-04	2.724E-03	9.999E+06				
NOVEMBER	2.567E-04	1.858E-04	8.205E-04	1.362E-03	8.039E-04	3.429E-03	1.141E+07				
DECEMBER	4.049E-04	1.342E-04	5.137E-04	5.645E-04	4.731E-04	2.090E-03	2.218E+07				
TOTAL	3.414E-03	1.160E-03	1.054E-02	2.304E-02	1.191E-02	5.178E-02	1.662E+08				
STD. DEV.	±1.194E-04	±6.493E-05	±5.069E-04	±1.940E-03	±8.643E-04	±3.237E-03	±6.121E+06				

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

LIQUID 200-F EFFLUENT					
	<u>I</u>	<u>SR-89</u> <u>90</u>	<u>CS-134</u> <u>137</u>	<u>OTHER</u> <u>B OR G</u>	<u>TOTAL</u> <u>ALPHA</u>
JANUARY	-	8.100E-04	6.800E-04	1.590E-03	2.800E-04
FEBRUARY	2.000E+00	1.040E-03	1.020E-03	1.520E-03	1.800E-04
MARCH	-	8.700E-04	2.200E-04	3.170E-03	2.100E-04
APRIL	-	5.900E-04	4.300E-04	1.383E-02	9.000E-05
MAY	-	1.810E-03	8.540E-03	4.151E-02	5.000E-05
JUNE	1.000E+00	1.208E-02	4.337E-02	7.360E-02	1.740E-03
JULY	1.000E+00	3.540E-03	1.206E-02	5.084E-02	8.700E-04
AUGUST	1.000E+00	7.170E-03	1.090E-02	4.708E-02	8.600E-04
SEPTEMBER	1.000E+00	4.850E-03	4.020E-03	1.742E-02	4.900E-04
OCTOBER	1.000E+00	1.920E-03	2.710E-03	1.208E-02	1.300E-04
NOVEMBER	1.000E+00	2.790E-03	5.910E-03	3.051E-02	5.100E-04
DECEMBER	2.000E+00	1.940E-03	2.160E-03	1.373E-02	3.800E-04
TOTAL	1.000E+01	3.921E-02	9.202E-02	3.068E-01	5.790E-03
STD. DEV.	±4.629E-01	±3.398E-03	±1.197E-02	±2.309E-02	±4.821E-04

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	LIQUID 200-H EFFLUENT		CS-134 137	OTHER R OR Q	TOTAL ALPHA	WATER VOLUME
	T	SR-89 90				
JANUARY	2.000E+00	1.300E-04	3.300E-04	1.230E-03	7.000E-05	1.106E+08
FEBRUARY	7.000E+00	-	5.600E-04	1.440E-03	8.000E-05	1.141E+08
MARCH	5.000E+00	-	5.600E-04	3.720E-03	9.000E-05	1.323E+08
APRIL	5.000E+00	-	1.230E-03	2.340E-03	4.000E-05	1.186E+08
MAY	1.200E+01	-	9.000E-04	1.510E-03	5.000E-05	1.038E+08
JUNE	9.000E+00	1.100E-04	7.000E-04	1.330E-03	5.000E-05	1.027E+08
JULY	1.100E+01	9.000E-05	5.700E-04	8.900E-04	5.000E-05	5.337E+07
AUGUST	4.000E+00	4.300E-04	1.120E-03	5.580E-03	1.400E-04	1.023E+08
SEPTEMBER	2.000E+00	5.000E-05	7.900E-04	1.660E-03	9.000E-05	7.746E+07
OCTOBER	3.000E+00	2.500E-04	6.800E-04	1.550E-03	7.000E-05	7.517E+07
NOVEMBER	3.000E+00	4.000E-05	5.700E-04	2.610E-03	1.500E-04	1.039E+08
DECEMBER	2.000E+00	5.000E-05	9.800E-04	1.710E-03	6.000E-05	1.091E+08
TOTAL	6.500E+01	1.150E-03	8.970E-03	2.557E-02	9.400E-04	1.223E+09
STD. DEV.	±3.553E+00	±1.340E-04	±2.650E-04	±1.324E-03	±3.511E-05	±2.253E+07

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 313-M	
	U-238	AIR VOLUME
JANUARY	-	7.438E+10
FEBRUARY	-	7.438E+10
MARCH	-	7.438E+10
APRIL	-	7.438E+10
MAY	-	7.438E+10
JUNE	-	7.438E+10
JULY	-	7.438E+10
AUGUST	-	7.438E+10
SEPTEMBER	-	7.438E+10
OCTOBER	-	7.438E+10
NOVEMBER	-	7.438E+10
DECEMBER	-	7.438E+10
TOTAL	-	8.925E+11
STD. DEV.	-	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 321-M	
	TOTAL ALPHA	AIR VOLUME
JANUARY	3.200E-08	3.744E+10
FEBRUARY	5.000E-08	3.744E+10
MARCH	-	3.744E+10
APRIL	1.320E-07	3.744E+10
MAY	7.600E-08	3.744E+10
JUNE	2.800E-07	3.744E+10
JULY	-	3.744E+10
AUGUST	-	3.744E+10
SEPTEMBER	-	3.744E+10
OCTOBER	-	3.744E+10
NOVEMBER	-	3.744E+10
DECEMBER	-	3.744E+10
TOTAL	5.700E-07	4.492E+11
STD. DEV.	±1.001E-07	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 322-M STACKS	
	TOTAL ALPHA	AIR VOLUME
JANUARY	-	6.199E+07
FEBRUARY	-	6.199E+07
MARCH	-	6.199E+07
APRIL	-	6.199E+07
MAY	-	6.199E+07
JUNE	-	6.199E+07
JULY	-	6.199E+07
AUGUST	-	6.199E+07
SEPTEMBER	-	6.199E+07
OCTOBER	1.410E-07	6.199E+07
NOVEMBER	-	6.199E+07
DECEMBER	-	6.199E+07
TOTAL	1.410E-07	7.438E+08
STD. DEV.	-	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

LIQUID TIMS BRANCH H EFF	
U-235	
238	
JANUARY	2.275E-02
FEBRUARY	1.525E-02
MARCH	3.208E-02
APRIL	1.816E-02
MAY	7.314E-03
JUNE	7.023E-03
JULY	1.156E-02
AUGUST	1.396E-02
SEPTEMBER	6.890E-03
OCTOBER	1.209E-02
NOVEMBER	1.117E-02
DECEMBER	1.271E-02
TOTAL	1.710E-01
STD. DEV.	±7.291E-03

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

LIQUID 300-M SEEPAGE BASIN		
U 235 WATER		
238 VOLUME		
JANUARY	9.658E-03	2.932E+06
FEBRUARY	9.978E-03	2.916E+06
MARCH	1.621E-02	2.992E+06
APRIL	1.318E-02	2.916E+06
MAY	5.074E-03	2.942E+06
JUNE	9.370E-04	3.008E+06
JULY	2.617E-03	2.761E+06
AUGUST	3.854E-03	2.749E+06
SEPTEMBER	6.698E-03	2.828E+06
OCTOBER	1.495E-02	2.717E+06
NOVEMBER	7.231E-03	2.902E+06
DECEMBER	9.401E-03	1.473E+06
TOTAL	9.981E-02	3.314E+07
STD. DEV.	±4.835E-03	±4.164E+05

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 420-D		
T AIR		
VOLUME		
JANUARY	7.600E+01	6.819E+09
FEBRUARY	5.000E+01	6.819E+09
MARCH	6.000E+01	6.819E+09
APRIL	4.000E+01	6.819E+09
MAY	7.000E+01	6.819E+09
JUNE	5.000E+01	6.819E+09
JULY	6.000E+01	6.819E+09
AUGUST	4.000E+01	6.819E+09
SEPTEMBER	7.000E+01	6.819E+09
OCTOBER	5.000E+01	6.819E+09
NOVEMBER	6.000E+01	6.819E+09
DECEMBER	4.000E+01	6.819E+09
TOTAL	6.600E+02	8.182E+10
STD. DEV.	±1.167E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

LIQUID 420-D		SR- 89.98	CS-134 137	OTHER R OR G	TOTAL ALPHA	WATER VOLUME
	T					
JANUARY	3.340E+02	-	-	2.800E-06	-	2.180E+04
FEBRUARY	3.290E+02	-	-	9.800E-06	-	2.180E+04
MARCH	1.290E+02	-	-	9.800E-06	-	2.180E+03
APRIL	-	-	-	-	-	-
MAY	4.100E+01	-	-	-	-	2.700E+03
JUNE	1.790E+02	-	-	-	-	1.490E+04
JULY	3.530E+02	-	-	1.190E-04	-	2.399E+04
AUGUST	-	-	-	-	-	-
SEPTEMBER	-	-	-	-	-	-
OCTOBER	-	-	-	-	-	-
NOVEMBER	-	-	-	-	-	-
DECEMBER	-	-	-	-	-	-
TOTAL	1.365E+03	-	-	1.390E-04	-	8.569E+04
STD. DEV.	±1.297E+02	-	-	±5.626E-03	-	±9.670E+03

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 421-2D	
	T	AIR VOLUME
JANUARY	4.000E+01	1.050E+10
FEBRUARY	7.000E+01	1.050E+10
MARCH	6.000E+01	1.050E+10
APRIL	5.000E+01	1.050E+10
MAY	4.000E+01	1.050E+10
JUNE	7.000E+01	1.050E+10
JULY	6.000E+01	1.050E+10
AUGUST	5.000E+01	1.050E+10
SEPTEMBER	4.000E+01	1.050E+10
OCTOBER	7.000E+01	1.050E+10
NOVEMBER	7.000E+01	1.050E+10
DECEMBER	5.000E+01	1.050E+10
TOTAL	6.700E+02	1.260E+11
STD. DEV.	±1.240E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	LIQUID 421-2D		CS-134 137	OTHER R OR G	TOTAL ALPHA	WATER VOLUME
	T	SR- 89.98				
JANUARY	2.000E+00	-	-	3.530E-04	-	3.100E+04
FEBRUARY	-	-	-	-	-	-
MARCH	7.800E+01	-	-	3.530E-04	-	1.584E+03
APRIL	-	-	-	-	-	-
MAY	4.100E+01	-	-	-	-	4.700E+04
JUNE	5.500E+01	-	-	4.367E-03	-	1.010E+03
JULY	5.000E+00	-	-	-	-	4.599E+04
AUGUST	2.900E+01	-	-	7.670E-04	1.860E-04	4.599E+04
SEPTEMBER	3.200E+01	-	-	-	-	5.599E+04
OCTOBER	6.700E+01	-	-	-	-	9.599E+04
NOVEMBER	4.700E+01	-	-	-	-	4.699E+04
DECEMBER	3.100E+01	-	-	4.810E-04	-	9.299E+04
TOTAL	3.870E+02	-	-	6.321E-03	1.860E-04	7.213E+03
STD. DEV.	±2.441E+01	-	-	±1.742E-03	-	±3.924E+04

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 772-D	
	T	AIR VOLUME
JANUARY	7.000E+01	9.174E+09
FEBRUARY	4.000E+01	9.174E+09
MARCH	5.000E+01	9.174E+09
APRIL	6.000E+01	9.174E+09
MAY	7.000E+01	9.174E+09
JUNE	4.000E+01	9.174E+09
JULY	5.000E+01	9.174E+09
AUGUST	6.000E+01	9.174E+09
SEPTEMBER	7.000E+01	9.174E+09
OCTOBER	4.000E+01	9.174E+09
NOVEMBER	4.000E+01	9.174E+09
DECEMBER	6.000E+01	9.174E+09
TOTAL	6.500E+02	1.100E+11
STD. DEV.	±1.240E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

	LIQUID 772-D		CS-134 137	OTHER R OR G	TOTAL ALPHA	WATER VOLUME
	T	SR- 89.98				
JANUARY	4.980E+01	-	-	-	-	4.470E+03
FEBRUARY	6.400E+01	-	-	5.980E-03	-	4.160E+03
MARCH	9.300E+01	-	-	8.880E-03	-	4.820E+03
APRIL	1.250E+02	-	-	3.920E-04	-	4.160E+03
MAY	1.100E+02	-	-	2.967E-03	-	4.620E+03
JUNE	1.100E+02	-	-	-	-	4.470E+03
JULY	4.800E+01	-	-	-	-	4.619E+03
AUGUST	1.200E+02	-	-	-	-	4.619E+03
SEPTEMBER	2.200E+01	-	-	-	-	4.469E+03
OCTOBER	2.300E+01	-	-	-	-	4.619E+03
NOVEMBER	4.500E+01	-	-	-	-	4.469E+03
DECEMBER	1.480E+02	-	-	-	-	4.619E+03
TOTAL	9.500E+02	-	-	3.498E-03	-	5.391E+04
STD. DEV.	±4.364E+01	-	-	±1.403E-03	-	±1.787E+04

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 773-A									
	I	CO-60	CO-60	I-131	I-131	OTHER B OR Q	TOTAL ALPHA	ATR VOLUME	
JANUARY	-	-	-	1.030E-04	-	1.000E-06	-	2.714E+11	
FEBRUARY	-	1.000E-06	-	1.670E-04	-	9.000E-06	-	2.714E+11	
MARCH	-	2.000E-06	-	3.620E-04	-	-	-	2.714E+11	
APRIL	-	1.000E-06	-	1.060E-04	-	-	-	2.714E+11	
MAY	1.300E+01	3.000E-06	-	1.520E-04	-	-	-	2.714E+11	
JUNE	2.000E+00	1.500E-05	-	5.730E-04	-	-	-	2.714E+11	
JULY	-	5.000E-06	-	3.080E-04	-	-	-	2.714E+11	
AUGUST	-	2.100E-05	-	2.270E-04	-	-	-	2.714E+11	
SEPTEMBER	-	9.000E-06	-	3.590E-04	-	-	-	2.714E+11	
OCTOBER	-	2.700E-05	-	5.120E-04	-	-	-	2.714E+11	
NOVEMBER	-	4.000E-06	-	2.080E-04	-	-	-	2.714E+11	
DECEMBER	-	1.000E-06	-	1.410E-04	-	-	-	2.714E+11	
TOTAL	1.500E+01	8.900E-05	-	3.218E-03	-	1.000E-05	-	3.256E+12	
STD. DEV.	±7.778E+00	±9.016E-06	-	±1.566E-04	-	±5.656E-06	-	-	

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

LIQUID 773-A SEEPAGE BASIN											
	I	SR-90	CS-134	OTHER B OR Q	U-235	U-238	PU-238	PU-239	OTHER ALPHA	WATER VOLUME	
JANUARY	-	-	9.900E-05	-	8.000E-04	1.200E-05	2.000E-06	2.000E-06	3.000E-06	2.540E+05	
FEBRUARY	-	-	2.700E-05	-	6.600E-05	7.300E-05	2.000E-06	5.000E-06	4.500E-05	2.400E+05	
MARCH	-	-	2.800E-05	-	1.660E-04	1.950E-04	1.000E-05	1.900E-05	6.000E-06	2.040E+05	
APRIL	-	-	7.600E-05	5.300E-05	9.500E-05	1.190E-04	1.000E-05	1.400E-05	7.400E-05	2.870E+05	
MAY	-	5.400E-05	2.500E-05	-	2.290E-04	2.690E-04	1.200E-05	2.800E-05	8.100E-05	1.880E+05	
JUNE	-	-	4.200E-05	-	2.060E-04	2.570E-04	2.800E-05	2.300E-05	2.300E-05	1.860E+05	
JULY	-	-	8.200E-05	1.240E-04	2.040E-04	2.400E-04	9.000E-06	2.700E-05	4.700E-05	2.909E+05	
AUGUST	-	3.200E-05	1.280E-04	-	9.000E-05	1.000E-04	2.000E-06	8.000E-06	4.400E-05	1.619E+05	
SEPTEMBER	-	1.500E-05	9.300E-05	-	1.950E-04	4.340E-04	1.790E-04	6.000E-05	2.500E-05	8.399E+04	
OCTOBER	-	2.500E-05	3.680E-04	2.550E-04	1.468E-03	9.787E-03	7.903E-03	4.160E-04	5.310E-04	1.249E+05	
NOVEMBER	-	-	9.300E-05	1.000E-06	4.470E-04	8.950E-04	2.460E-04	2.020E-04	3.310E-04	1.459E+05	
DECEMBER	-	-	3.400E-05	1.900E-05	8.900E-05	1.270E-04	2.700E-05	1.100E-05	6.000E-06	1.689E+05	
TOTAL	-	1.260E-04	1.095E-03	4.520E-04	3.263E-03	1.250E-02	8.430E-03	8.150E-04	1.216E-03	2.335E+06	
STD. DEV.	-	±1.654E-05	±9.368E-05	±1.033E-04	±3.930E-04	±2.763E-03	±2.268E-03	±1.224E-04	±1.617E-04	±6.380E+04	

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

LIQUID TMS BRANCH A EFF			
	B OR Q	TOTAL ALPHA	
JANUARY	-	2.300E-05	
FEBRUARY	1.260E-04	1.900E-05	
MARCH	1.570E-04	4.800E-05	
APRIL	-	5.000E-06	
MAY	-	1.000E-05	
JUNE	-	1.700E-05	
JULY	4.600E-05	4.000E-06	
AUGUST	-	1.600E-05	
SEPTEMBER	5.000E-05	2.900E-05	
OCTOBER	7.500E-05	2.600E-05	
NOVEMBER	9.400E-05	4.700E-05	
DECEMBER	1.160E-04	4.200E-05	
TOTAL	6.640E-04	2.860E-04	
STD. DEV.	±4.097E-05	±1.523E-05	

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1981
CURIES - (VOLUME, LITERS)

LIQUID CMX-SEEPAGE BASIN			
	B OR Q	U-235 238	WATER VOLUME
JANUARY	-	-	1.140E+06
FEBRUARY	-	1.400E-05	1.140E+06
MARCH	-	1.620E-04	1.140E+06
APRIL	-	1.120E-04	1.140E+06
MAY	-	9.600E-05	1.140E+06
JUNE	-	-	1.140E+06
JULY	-	2.100E-05	1.139E+06
AUGUST	-	1.300E-05	1.139E+06
SEPTEMBER	-	2.600E-05	1.139E+06
OCTOBER	-	1.420E-04	1.139E+06
NOVEMBER	-	3.400E-05	1.139E+06
DECEMBER	-	1.400E-05	1.139E+06
TOTAL	-	6.340E-04	1.367E+07
STD. DEV.	-	±5.850E-05	-

- LESS THAN SENSITIVITY OF ANALYSES

SRP RADIOACTIVE RELEASES

MONTHLY RADIOACTIVE RELEASES

1982

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

**ATMOSPHERIC
100-C**

	T	AR-41	KR-85M	KR-87	KR-88	TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
JANUARY	3.810E+03	2.000E+03	1.700E+01	1.000E+01	2.200E+01	4.900E+01	-	4.000E-05	5.400E+01	2.600E+01
FEBRUARY	3.850E+03	1.770E+03	1.500E+01	1.000E+01	2.000E+01	4.500E+01	2.400E-04	9.700E-04	1.100E+02	2.000E+01
MARCH	4.960E+03	1.735E+03	1.500E+01	1.000E+01	2.000E+01	4.500E+01	-	6.730E-04	1.300E+02	3.000E+01
APRIL	4.975E+03	2.240E+03	2.500E+01	1.500E+01	3.500E+01	7.500E+01	-	1.800E-04	1.200E+02	4.000E+01
MAY	3.830E+03	1.315E+03	1.500E+01	1.000E+01	2.000E+01	4.500E+01	-	2.930E-04	4.500E+01	3.000E+01
JUNE	2.865E+03	2.310E+03	3.000E+01	2.000E+01	4.500E+01	9.500E+01	-	8.000E-05	8.500E+01	5.500E+01
JULY	3.800E+03	2.200E+03	2.400E+01	1.500E+01	3.300E+01	7.200E+01	5.100E-05	1.390E-04	8.000E+01	1.700E+01
AUGUST	3.120E+03	1.985E+03	2.500E+01	1.500E+01	3.500E+01	7.500E+01	-	2.000E-05	8.000E+01	3.500E+01
SEPTEMBER	2.045E+03	2.115E+03	3.000E+01	3.000E+01	4.500E+01	1.050E+02	-	6.210E-04	8.500E+01	4.000E+01
OCTOBER	4.230E+03	1.500E+03	2.000E+01	1.500E+01	2.500E+01	5.000E+01	-	-	6.500E+01	2.500E+01
NOVEMBER	1.287E+04	-	1.000E+00	-	-	1.000E+00	3.530E-04	2.587E-03	4.000E+00	-
DECEMBER	1.024E+04	3.000E+02	5.000E+00	2.000E+00	5.000E+00	1.200E+01	-	1.200E-04	2.000E+01	1.000E+01
TOTAL	6.066E+04	1.947E+04	2.220E+02	1.520E+02	3.050E+02	6.690E+02	6.440E-04	5.723E-03	8.780E+02	3.280E+02
STD. DEV.	±3.192E+03	±5.794E+02	±9.090E+00	±7.096E+00	±1.210E+01	±3.061E+01	±1.525E-04	±7.519E-04	±3.812E+01	±1.248E+01

	TOTAL XE	OTHER B OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
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JANUARY	8.000E+01	1.000E-06	4.000E-08	1.444E+11	9.175E+10
FEBRUARY	1.300E+02	9.000E-06	-	1.914E+11	9.175E+10
MARCH	1.600E+02	8.000E-06	7.000E-08	2.138E+11	1.146E+11
APRIL	1.600E+02	2.000E-06	2.000E-08	1.628E+11	9.175E+10
MAY	7.500E+01	1.000E-06	1.900E-07	1.088E+11	1.146E+11
JUNE	1.400E+02	3.000E-06	-	1.430E+11	9.175E+10
JULY	9.700E+01	3.000E-06	9.000E-08	2.308E+11	9.175E+10
AUGUST	1.150E+02	4.000E-06	1.400E-07	2.174E+11	1.146E+11
SEPTEMBER	1.250E+02	6.000E-06	9.000E-08	1.823E+11	9.175E+10
OCTOBER	9.000E+01	4.000E-06	-	1.376E+11	9.175E+10
NOVEMBER	4.000E+01	1.200E-05	6.000E-08	4.185E+11	1.146E+11
DECEMBER	3.000E+01	2.000E-05	-	1.431E+11	9.175E+10
TOTAL	1.206E+03	5.500E-05	7.000E-07	2.394E+12	1.192E+12
STD. DEV.	±4.842E+01	±3.476E-06	±5.496E-08	±7.549E+10	±1.129E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

**ATMOSPHERIC
100-K**

	T	AR-41	KR-85M	KR-87	KR-88	TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
JANUARY	8.160E+03	1.800E+02	2.000E+01	3.000E+01	4.000E+01	9.000E+01	1.710E-04	-	6.000E+01	4.000E+01
FEBRUARY	3.920E+03	-	-	-	-	-	-	4.700E-05	-	-
MARCH	6.255E+03	2.050E+03	4.500E+01	8.000E+01	1.000E+02	2.250E+02	2.000E-06	-	9.500E+01	1.250E+02
APRIL	6.245E+03	1.800E+03	3.500E+01	6.500E+01	7.500E+01	1.750E+02	-	-	1.000E+02	1.000E+02
MAY	5.110E+03	3.190E+03	3.000E+01	1.500E+01	6.000E+01	1.050E+02	-	-	1.200E+02	1.000E+02
JUNE	5.170E+03	1.700E+03	1.000E+01	1.000E+01	2.000E+01	4.000E+01	2.000E-06	-	7.500E+01	3.000E+01
JULY	5.365E+03	1.300E+03	2.000E+01	2.500E+01	3.500E+01	8.000E+01	-	-	6.500E+01	6.000E+01
AUGUST	4.660E+03	1.300E+03	2.000E+01	1.500E+01	3.500E+01	7.000E+01	-	2.000E-06	6.500E+01	6.000E+01
SEPTEMBER	3.775E+03	1.300E+03	2.000E+01	1.500E+01	3.500E+01	7.000E+01	-	-	6.500E+01	6.000E+01
OCTOBER	4.730E+03	1.300E+03	2.000E+01	1.500E+01	3.500E+01	7.000E+01	1.100E-05	1.837E-04	6.500E+01	6.000E+01
NOVEMBER	3.300E+03	1.300E+03	2.000E+01	1.500E+01	3.500E+01	7.000E+01	-	5.100E-05	6.500E+01	6.000E+01
DECEMBER	3.010E+03	1.300E+03	2.000E+01	1.500E+01	3.500E+01	7.000E+01	-	1.340E-04	6.500E+01	6.000E+01
TOTAL	5.970E+04	1.672E+04	2.600E+02	3.000E+02	5.050E+02	1.065E+03	1.860E-04	4.170E-04	8.400E+02	7.550E+02
STD. DEV.	±1.445E+03	±7.257E+02	±9.510E+00	±2.327E+01	±2.321E+01	±5.455E+01	±8.310E-05	±7.328E-05	±1.963E+01	±2.811E+01

	TOTAL XE	OTHER B OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
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JANUARY	1.000E+02	-	5.000E-08	3.253E+11	9.175E+10
FEBRUARY	-	3.980E-05	-	3.553E+11	9.175E+10
MARCH	2.200E+02	6.000E-06	-	1.798E+11	1.146E+11
APRIL	2.000E+02	8.000E-06	4.100E-07	1.197E+11	9.175E+10
MAY	2.200E+02	1.200E-05	1.400E-07	1.543E+11	1.146E+11
JUNE	1.050E+02	9.000E-06	-	1.260E+11	9.175E+10
JULY	1.250E+02	1.000E-05	1.800E-07	1.200E+11	9.175E+10
AUGUST	1.250E+02	2.300E-05	5.000E-08	1.560E+11	1.146E+11
SEPTEMBER	1.250E+02	2.400E-05	1.600E-07	1.240E+11	9.175E+10
OCTOBER	1.250E+02	3.000E-05	1.500E-07	2.191E+11	9.175E+10
NOVEMBER	1.250E+02	1.400E-05	3.000E-08	1.438E+11	1.146E+11
DECEMBER	1.250E+02	1.100E-05	2.000E-07	1.084E+11	9.175E+10
TOTAL	1.595E+03	1.860E-04	1.373E-06	2.112E+12	1.192E+12
STD. DEV.	±4.505E+01	±1.059E-05	±1.148E-07	±7.834E+10	±1.129E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 100-L	OTHER B OR G	TOTAL ALPHA	STACK VOLUME
JANUARY	-	-	-	-
FEBRUARY	-	-	-	-
MARCH	-	-	-	-
APRIL	-	-	-	-
MAY	-	-	-	-
JUNE	-	-	-	-
JULY	-	-	-	-
AUGUST	-	-	-	-
SEPTEMBER	-	-	-	-
OCTOBER	-	-	-	1.427E+11
NOVEMBER	-	-	-	1.427E+11
DECEMBER	1.250E+02	3.640E-04	3.000E-04	1.427E+11
TOTAL	1.250E+02	3.640E-04	3.000E-04	4.281E+11

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 100-P					TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
	T	AR-41	KR-85M	KR-87	KR-88					
JANUARY	1.410E+03	2.700E+03	7.000E+01	3.000E+01	5.000E+01	1.500E+02	8.000E-06	-	3.100E+02	1.600E+02
FEBRUARY	2.420E+03	1.495E+03	5.500E+01	1.500E+01	3.500E+01	1.050E+02	3.600E-05	2.000E-06	2.100E+02	9.000E+01
MARCH	2.360E+03	1.590E+03	7.000E+01	2.000E+01	4.000E+01	1.300E+02	-	-	2.200E+02	1.400E+02
APRIL	1.980E+03	2.260E+03	7.000E+01	2.000E+01	4.000E+01	1.300E+02	4.100E-05	2.100E-05	2.400E+02	1.400E+02
MAY	3.100E+03	2.180E+03	7.000E+01	2.000E+01	4.000E+01	1.300E+02	3.900E-05	2.890E-04	2.400E+02	1.400E+02
JUNE	2.615E+03	1.585E+03	5.000E+01	3.000E+01	4.000E+01	1.200E+02	-	1.100E-04	2.700E+02	1.200E+02
JULY	2.670E+03	2.650E+03	1.200E+02	2.000E+01	5.000E+01	1.900E+02	-	-	3.200E+02	1.600E+02
AUGUST	1.865E+03	2.370E+03	8.000E+01	3.000E+01	5.000E+01	1.600E+02	3.500E-05	-	2.900E+02	1.600E+02
SEPTEMBER	1.980E+03	2.250E+03	9.000E+01	2.000E+01	5.000E+01	1.500E+02	4.000E-05	-	3.100E+02	1.200E+02
OCTOBER	2.520E+03	-	2.000E+01	-	1.000E+00	2.100E+01	2.620E-04	-	-	-
NOVEMBER	1.345E+03	2.270E+03	4.000E+01	1.000E+01	1.500E+01	6.500E+01	-	-	5.000E+01	5.000E+01
DECEMBER	1.555E+03	2.450E+03	5.000E+01	2.000E+01	2.000E+01	9.000E+01	-	4.000E-05	7.000E+01	6.000E+01
TOTAL	2.574E+04	2.400E+04	7.850E+02	2.350E+02	3.860E+02	1.406E+03	4.610E-04	4.620E-04	2.530E+03	1.340E+03
STD. DEV.	±5.530E+02	±4.366E+02	±2.553E+01	±6.360E+00	±1.747E+01	±4.429E+01	±8.724E-05	±1.172E-04	±9.208E+01	±3.919E+01

	TOTAL XE	OTHER B OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
JANUARY	4.700E+02	-	3.000E-08	1.285E+11	1.076E+11
FEBRUARY	3.000E+02	3.000E-06	3.000E-08	1.521E+11	1.076E+11
MARCH	3.600E+02	8.000E-06	-	1.818E+11	1.499E+11
APRIL	3.800E+02	2.800E-06	1.700E-07	1.318E+11	1.076E+11
MAY	3.800E+02	3.000E-06	1.100E-07	1.900E+11	1.499E+11
JUNE	3.900E+02	1.000E-06	-	1.659E+11	1.076E+11
JULY	4.800E+02	1.000E-06	4.000E-08	1.291E+11	1.076E+11
AUGUST	4.500E+02	3.000E-06	-	1.877E+11	1.345E+11
SEPTEMBER	4.300E+02	1.000E-06	2.000E-08	1.469E+11	1.076E+11
OCTOBER	1.000E+02	1.000E-06	-	2.984E+11	-
NOVEMBER	1.000E+02	2.000E-06	5.000E-08	1.857E+11	1.345E+11
DECEMBER	1.300E+02	1.000E-06	-	2.596E+11	1.076E+11
TOTAL	3.870E+03	2.600E-05	4.500E-07	2.144E+12	1.291E+12
STD. DEV.	±1.282E+02	±2.062E-06	±5.535E-08	±5.184E+10	±1.557E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	LIQUID C PURGE TO SEEPAGE BASIN									
	T	P-32	S-35	CR-51	CO-60	SR-89	SR-90	Y-91	ZR-95 NB-95	RU-103 106
JANUARY	4.980E+02	7.580E-04	2.696E-03	4.494E-02	-	-	-	-	5.448E-04	-
FEBRUARY	1.050E+02	1.430E-04	4.600E-05	1.979E-03	-	9.600E-05	-	2.600E-05	-	-
MARCH	1.115E+03	5.990E-04	3.358E-02	4.190E-02	-	-	4.160E-04	2.920E-04	-	-
APRIL	2.480E+02	8.160E-04	2.706E-03	7.007E-03	-	-	-	5.900E-05	-	-
MAY	4.880E+02	3.630E-04	4.518E-04	2.806E-02	-	2.052E-05	-	-	1.682E-05	-
JUNE	1.967E+02	2.082E-04	1.027E-03	1.697E-02	-	-	-	2.238E-04	4.629E-05	3.631E-05
JULY	2.255E+02	-	9.384E-04	4.978E-03	6.601E-07	-	-	4.600E-09	2.267E-06	-
AUGUST	9.567E+01	-	1.773E-05	2.036E-04	-	-	-	-	-	-
SEPTEMBER	6.662E+02	-	1.082E-03	2.265E-02	-	-	-	-	-	-
OCTOBER	1.126E+02	-	9.908E-05	2.060E-03	-	-	-	-	-	-
NOVEMBER	3.899E+02	1.309E-04	4.970E-04	8.561E-02	5.884E-05	-	-	8.638E-04	5.556E-05	1.384E-04
DECEMBER	5.010E+02	-	1.795E-04	2.089E-02	-	-	-	1.231E-03	-	-
TOTAL	4.641E+03	3.810E-03	4.312E-02	2.772E-01	5.950E-05	1.165E-04	4.160E-04	2.695E-03	6.629E-04	1.747E-04
STD. DEV.	±2.961E+02	±2.927E-04	±9.428E-03	±2.487E-02	±4.114E-05	±5.337E-05	-	±4.766E-04	±2.309E-04	±7.218E-05

	SB-124 125	I-131	CS-134	CS-137	CE-141 144	PM-147	B OR G	ALPHA	VOLUME
JANUARY	2.000E-05	1.115E-03	9.580E-04	5.406E-03	-	4.140E-04	5.005E-02	8.500E-05	2.308E+06
FEBRUARY	-	-	-	-	-	-	2.290E-03	7.000E-04	3.199E+03
MARCH	7.200E-05	4.630E-04	1.475E-03	1.232E-02	-	2.202E-03	7.664E-02	2.200E-04	3.063E+06
APRIL	-	2.750E-04	7.230E-04	5.638E-03	-	3.100E-05	1.086E-02	3.700E-05	1.089E+06
MAY	1.147E-03	2.533E-03	-	1.489E-03	-	-	3.259E-02	5.110E-05	1.786E+06
JUNE	3.666E-04	7.201E-04	-	1.061E-03	1.554E-05	1.875E-04	1.957E-02	2.838E-05	5.544E+03
JULY	4.116E-04	3.972E-04	-	7.413E-04	-	-	6.727E-03	3.698E-06	1.202E+04
AUGUST	4.540E-05	9.485E-05	-	4.392E-05	-	-	3.615E-04	3.240E-07	4.049E+04
SEPTEMBER	2.283E-03	5.458E-04	-	1.151E-02	-	3.803E-04	2.656E-02	2.936E-05	2.869E+06
OCTOBER	-	3.555E-05	-	-	-	1.226E-07	2.194E-03	8.502E-06	4.416E+03
NOVEMBER	-	2.931E-04	-	2.700E-05	1.409E-04	1.380E-04	8.759E-02	1.598E-05	9.803E+05
DECEMBER	1.287E-03	-	-	-	5.215E-04	2.410E-04	2.411E-02	5.166E-05	1.229E+06
TOTAL	5.634E-03	6.479E-03	3.156E-03	3.824E-02	6.780E-04	3.594E-03	3.395E-01	5.360E-04	1.588E+07
STD. DEV.	±8.047E-04	±7.327E-04	±3.847E-04	±4.832E-03	±2.634E-04	±7.234E-04	±2.915E-02	±6.055E-05	±9.918E+03

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID C PROCESS SEWER							
	T	CO-60	SR-90	CS-137	OTHER B OR G	ALPHA	WATER VOLUME
JANUARY	1.400E+01	-	-	-	-	-	4.499E+08
FEBRUARY	9.000E+00	-	-	-	-	-	4.149E+08
MARCH	1.000E+01	-	-	-	-	1.940E-04	4.859E+08
APRIL	1.220E+02	-	-	-	-	-	7.599E+08
MAY	6.000E+00	-	-	-	-	-	4.219E+08
JUNE	8.000E+00	-	-	-	-	-	9.489E+08
JULY	2.000E+01	-	-	-	-	-	7.499E+08
AUGUST	6.000E+00	-	-	-	-	-	6.769E+08
SEPTEMBER	8.000E+00	-	-	-	-	-	6.539E+08
OCTOBER	5.000E+00	-	-	-	-	-	6.349E+08
NOVEMBER	3.600E+01	-	-	-	-	-	5.869E+08
DECEMBER	1.000E+01	-	-	-	-	-	4.389E+08
TOTAL	2.540E+02	-	-	-	-	1.940E-04	7.223E+09
STD. DEV.	±3.289E+01	-	-	-	-	-	±1.671E+08

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID C RX HX COOLING W			
	T	WATER VOLUME	
JANUARY	4.420E+02	2.599E+10	
FEBRUARY	1.050E+02	1.079E+10	
MARCH	2.950E+02	2.579E+10	
APRIL	2.030E+02	2.259E+10	
MAY	2.880E+02	3.072E+10	
JUNE	4.130E+02	2.659E+10	
JULY	5.810E+02	2.349E+10	
AUGUST	3.900E+02	2.949E+10	
SEPTEMBER	4.340E+02	2.469E+10	
OCTOBER	1.760E+02	1.309E+10	
NOVEMBER	5.000E+01	5.489E+09	
DECEMBER	3.260E+02	2.389E+10	
TOTAL	3.703E+03	2.627E+11	
STD. DEV.	±1.546E+02	±7.831E+09	

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID S90-G SEEPAGE BASIN							
	T	CO-60	SR-90	CS-137	OTHER B OR G	ALPHA	VOLUME
JANUARY	-	5.780E-05	8.000E-06	3.000E-06	2.300E-05	-	2.269E+04
FEBRUARY	-	-	-	-	-	-	-
MARCH	-	6.500E-05	6.000E-06	7.000E-06	4.400E-05	4.000E-06	2.269E+04
APRIL	-	-	-	-	-	-	-
MAY	-	-	-	-	-	-	-
JUNE	-	9.100E-05	4.000E-06	-	5.400E-05	2.000E-06	2.269E+04
JULY	-	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-	-
SEPTEMBER	5.000E-02	4.400E-05	8.000E-06	1.500E-05	1.700E-05	1.000E-06	2.259E+01
OCTOBER	1.200E-01	1.200E-05	9.000E-06	6.000E-06	4.700E-05	1.000E-06	2.269E+04
NOVEMBER	-	-	-	-	-	-	-
DECEMBER	-	1.800E-04	5.000E-06	1.400E-05	-	5.000E-06	2.269E+04
TOTAL	1.700E-01	4.490E-04	4.000E-05	4.500E-05	1.850E-04	1.300E-05	1.135E+05
STD. DEV.	±4.949E-02	±5.767E-05	±1.966E-06	±5.244E-06	±1.607E-05	±1.816E-06	±9.257E+03

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	LIQUID K PURGE TO 904-R8G									
	T	P-32	S-35	CR-51	CO-58-60	SR-89	SR-90	Y-91	ZR-95 NB-95	RU-103 106
JANUARY	4.330E+02	3.270E-03	8.126E-02	3.355E-01	6.390E-04	-	9.360E-04	1.935E-03	1.410E-04	2.250E-04
FEBRUARY	5.100E+01	5.900E-05	2.500E-05	1.657E-03	4.000E-06	-	-	7.900E-05	-	-
MARCH	2.000E+00	-	-	9.100E-05	-	-	-	-	-	-
APRIL	-	-	-	-	-	-	-	-	-	-
MAY	-	-	-	-	-	-	-	-	-	-
JUNE	-	-	-	-	-	-	-	-	-	-
JULY	2.324E+01	2.773E-05	-	-	2.374E-05	-	-	-	-	-
AUGUST	7.852E+00	-	1.207E-05	-	1.275E-05	-	-	-	-	-
SEPTEMBER	-	-	-	-	-	-	-	-	-	-
OCTOBER	6.000E-03	-	-	-	-	-	-	-	-	-
NOVEMBER	1.875E+03	-	1.060E-02	2.377E-02	5.962E-03	-	-	-	-	-
DECEMBER	-	-	-	-	-	-	-	-	-	-
TOTAL	2.392E+03	3.356E-03	9.190E-02	3.610E-01	6.641E-03	-	9.360E-04	2.014E-03	1.410E-04	2.250E-04
STD. DEV.	±6.939E+02	±1.862E-03	±3.917E-02	±1.638E-01	±2.604E-03	-	-	±1.312E-03	-	-

	SB-124 125	I-131	CS-134	CS-137	CE-141 144	PM-147	B OR Q	ALPHA	VOLUME
JANUARY	1.627E-03	3.227E-03	2.140E-04	8.120E-03	8.150E-04	9.040E-04	4.270E-01	2.990E-04	8.959E+05
FEBRUARY	-	-	-	-	-	2.000E-05	1.820E-03	1.420E-04	1.469E+05
MARCH	-	-	-	-	-	-	9.100E-05	-	1.619E+03
APRIL	-	-	-	-	-	-	-	-	1.296E+06
MAY	-	-	-	-	-	-	-	-	-
JUNE	-	-	-	-	-	-	-	-	2.269E+04
JULY	-	-	-	1.669E-05	-	-	2.773E-05	4.596E-07	2.495E+05
AUGUST	2.056E-05	-	-	5.423E-05	-	1.088E-06	1.207E-05	2.176E-07	1.401E+05
SEPTEMBER	-	-	-	-	-	-	-	-	8.839E+02
OCTOBER	-	-	-	-	-	-	-	-	1.914E+05
NOVEMBER	4.601E-03	-	-	5.983E-03	-	1.798E-03	3.898E-02	3.049E-04	6.289E+06
DECEMBER	-	-	-	-	-	-	-	-	2.269E+04
TOTAL	6.248E-03	3.227E-03	2.140E-04	1.417E-02	8.150E-04	2.724E-03	4.679E-01	7.466E-04	9.259E+06
STD. DEV.	±2.324E-03	-	-	±4.143E-03	-	±8.560E-04	±1.716E-01	±1.508E-04	±1.854E+06

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	LIQUID K PROCESS SEWER						
	T	CO-58-60	SR-90	CS-137	OTHER B OR Q	ALPHA	WATER VOLUME
JANUARY	1.400E+01	-	-	-	-	2.200E-04	4.779E+08
FEBRUARY	4.000E+00	-	-	-	-	-	4.399E+08
MARCH	7.000E+00	-	-	-	-	-	4.929E+08
APRIL	3.600E+01	-	-	-	-	-	4.179E+08
MAY	6.000E+00	-	-	-	-	-	4.549E+08
JUNE	6.000E+00	-	-	-	-	-	4.269E+08
JULY	6.000E+00	-	-	-	-	-	4.029E+08
AUGUST	1.900E+01	-	-	-	-	-	3.729E+08
SEPTEMBER	1.200E+01	-	-	-	-	-	2.699E+08
OCTOBER	7.000E+00	-	-	-	-	-	4.269E+08
NOVEMBER	1.500E+01	-	-	-	-	-	4.789E+08
DECEMBER	9.000E+00	-	-	-	-	-	4.799E+08
TOTAL	1.410E+02	-	-	-	-	2.200E-04	5.142E+09
STD. DEV.	±8.884E+00	-	-	-	-	-	±6.150E+07

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	LIQUID K RX HX COOLING W	
	T	WATER VOLUME
JANUARY	5.000E+01	1.129E+10
FEBRUARY	1.700E+01	7.139E+09
MARCH	2.890E+02	3.139E+10
APRIL	3.230E+02	2.552E+10
MAY	3.430E+02	3.313E+10
JUNE	3.200E+02	2.649E+10
JULY	3.890E+02	2.659E+10
AUGUST	4.980E+02	3.319E+10
SEPTEMBER	4.920E+02	2.659E+10
OCTOBER	2.600E+02	1.979E+10
NOVEMBER	5.760E+02	3.319E+10
DECEMBER	3.030E+02	2.619E+10
TOTAL	3.860E+03	3.006E+11
STD. DEV.	±1.655E+02	±8.444E+09

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

**LIQUID
100-L TO STREAM**

	<u>I</u>	<u>CO-60</u>	<u>SR-90</u>	<u>CS-134</u>	<u>CS-137</u>	<u>OTHER B OR G</u>	<u>ALPHA</u>	<u>WATER VOLUME</u>
JANUARY	1.000E+00	-	1.360E-04	-	1.820E-04	-	-	5.699E+04
FEBRUARY	2.003E+00	8.000E-06	2.800E-05	-	3.400E-05	-	-	1.325E+05
MARCH	6.400E+01	5.000E-06	-	-	1.000E-05	-	-	1.500E+04
APRIL	1.000E+00	4.100E-05	1.800E-05	-	1.640E-04	-	2.000E-05	1.152E+05
MAY	-	9.000E-06	-	-	1.300E-05	-	1.000E-06	4.799E+04
JUNE	-	1.000E-05	-	-	1.420E-04	-	-	1.389E+04
JULY	-	-	2.000E-06	-	1.400E-05	-	-	8.439E+04
AUGUST	-	-	-	-	-	-	-	-
SEPTEMBER	-	9.000E-06	-	-	-	-	-	2.499E+04
OCTOBER	2.200E-02	-	-	-	-	-	-	3.639E+04
NOVEMBER	-	2.100E-05	2.000E-05	-	-	-	-	5.399E+04
DECEMBER	-	8.000E-06	9.000E-06	-	-	-	-	2.399E+04
TOTAL	6.802E+01	1.110E-04	2.130E-04	-	5.590E-04	-	2.100E-05	6.058E+05
STD. DEV.	±2.818E+01	±1.193E-05	±5.005E-05	-	±7.870E-05	-	±1.343E-05	±4.010E+04

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

**LIQUID
P PURGE TO SEEPAGE BASIN**

	<u>I</u>	<u>P-32</u>	<u>S-35</u>	<u>CR-51</u>	<u>CO-60</u>	<u>SR-89</u>	<u>SR-90</u>	<u>Y-91</u>	<u>ZR-95 Nb-95</u>	<u>RU-103 106</u>
JANUARY	1.230E+02	-	4.200E-05	1.166E-03	-	-	-	-	-	-
FEBRUARY	7.460E+02	-	2.747E-03	2.183E-02	-	7.430E-04	-	-	-	-
MARCH	2.400E+02	1.200E-05	7.140E-04	1.808E-03	-	7.200E-05	-	6.900E-05	-	-
APRIL	1.357E+03	4.770E-04	7.570E-03	3.368E-02	-	-	-	3.564E-03	-	-
MAY	1.002E+03	-	2.760E-03	3.693E-03	-	-	-	-	-	-
JUNE	-	-	-	-	-	-	-	-	-	-
JULY	3.139E+02	-	4.520E-04	5.896E-03	-	-	-	-	-	-
AUGUST	2.589E+02	-	2.040E-03	1.013E-02	-	-	-	-	-	-
SEPTEMBER	2.968E+02	-	5.088E-04	2.487E-02	-	-	-	-	3.624E-04	-
OCTOBER	2.250E-01	-	-	-	-	-	-	-	-	-
NOVEMBER	7.365E+02	-	1.161E-02	3.062E-02	-	-	-	-	6.956E-03	1.887E-03
DECEMBER	6.870E+02	-	1.351E-02	9.622E-03	-	2.508E-03	-	-	3.227E-03	-
TOTAL	5.762E+03	4.890E-04	4.196E-02	1.433E-01	-	3.323E-03	-	3.633E-03	1.054E-02	1.887E-03
STD. DEV.	±4.154E+02	±3.288E-04	±4.932E-03	±1.230E-02	-	±1.258E-03	-	±2.471E-03	±3.306E-03	-

	<u>SB-124 125</u>	<u>I-131</u>	<u>CS-134</u>	<u>CS-137</u>	<u>CE-141 145</u>	<u>PM-147</u>	<u>B OR G</u>	<u>ALPHA</u>	<u>VOLUME</u>
JANUARY	-	1.173E-03	-	2.105E-03	-	2.310E-04	2.381E-03	3.000E-06	3.999E+05
FEBRUARY	-	2.712E-03	1.460E-04	6.484E-03	-	9.600E-05	2.804E-02	8.200E-05	2.899E+06
MARCH	-	5.800E-05	-	1.150E-04	-	1.700E-05	2.733E-03	6.000E-06	6.809E+05
APRIL	1.645E-03	5.582E-03	-	1.257E-02	2.175E-03	7.790E-04	5.469E-02	3.510E-04	4.699E+06
MAY	1.341E-03	1.280E-02	-	8.110E-03	-	-	2.060E-02	1.794E-04	4.878E+06
JUNE	-	-	-	-	-	-	-	-	-
JULY	-	7.328E-03	-	1.404E-03	-	-	1.367E-02	-	1.999E+06
AUGUST	-	1.694E-03	-	2.713E-03	-	-	1.386E-02	1.656E-04	1.199E+06
SEPTEMBER	-	2.181E-03	-	4.087E-03	1.207E-03	4.056E-04	2.913E-02	3.456E-04	2.399E+06
OCTOBER	-	-	-	-	-	-	-	-	6.329E+04
NOVEMBER	-	2.222E-03	-	8.342E-03	3.317E-03	2.783E-03	5.473E-02	1.424E-03	3.099E+06
DECEMBER	-	2.138E-03	-	9.395E-03	-	2.963E-03	3.101E-02	2.739E-04	3.299E+06
TOTAL	2.986E-03	3.789E-02	1.460E-04	5.533E-02	6.699E-03	7.275E-03	2.508E-01	2.832E-03	2.562E+07
STD. DEV.	±2.149E-04	±3.817E-03	-	±4.057E-03	±1.056E-03	±1.278E-03	±1.858E-02	±4.367E-04	±1.641E+06

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

**LIQUID
P PROCESS SEWER**

	<u>I</u>	<u>CO-60</u>	<u>SR-90</u>	<u>CS-137</u>	<u>OTHER B OR G</u>	<u>ALPHA</u>	<u>WATER VOLUME</u>
JANUARY	4.100E+01	-	-	-	-	-	4.399E+08
FEBRUARY	1.500E+01	-	-	-	-	9.500E-05	4.149E+08
MARCH	1.120E+02	-	-	-	-	-	4.589E+08
APRIL	4.000E+00	-	-	-	-	-	4.449E+08
MAY	1.500E+01	-	-	-	-	-	6.139E+08
JUNE	5.000E+00	-	-	-	-	-	7.199E+08
JULY	9.000E+00	-	-	-	-	-	7.399E+08
AUGUST	5.000E+00	-	-	-	-	-	7.119E+08
SEPTEMBER	4.000E+00	-	-	-	-	-	7.799E+08
OCTOBER	1.100E+01	-	-	-	-	-	7.199E+08
NOVEMBER	9.000E+00	-	-	-	-	-	7.399E+08
DECEMBER	6.000E+00	-	-	-	-	-	7.399E+08
TOTAL	2.360E+02	-	-	-	-	9.500E-05	7.524E+09
STD. DEV.	±3.079E+01	-	-	-	-	-	±1.438E+09

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	LIQUID P RX HX COOLING W	
	T	WATER VOLUME
JANUARY	3.220E+02	2.259E+10
FEBRUARY	3.150E+02	2.659E+10
MARCH	2.740E+02	3.079E+10
APRIL	1.580E+02	2.659E+10
MAY	1.580E+02	3.319E+10
JUNE	9.200E+01	2.659E+10
JULY	2.940E+02	2.659E+10
AUGUST	2.440E+02	3.319E+10
SEPTEMBER	2.160E+02	2.279E+10
OCTOBER	1.170E+02	1.159E+10
NOVEMBER	2.790E+02	2.699E+10
DECEMBER	9.300E+01	2.659E+10
TOTAL	2.563E+03	3.141E+11
STD. DEV.	±8.638E+01	±5.706E+09

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 200-F STACKS									
	T	SR-89 90	ZR-95	NR-95	RU-103	RU-106	I-131	CS-134	CS-137	CE-141
JANUARY	-	1.000E-05	3.940E-04	8.770E-04	5.040E-04	1.416E-03	1.725E-03	-	1.700E-05	1.400E-05
FEBRUARY	-	4.800E-06	5.700E-05	7.400E-05	1.800E-05	1.010E-04	2.130E-04	-	3.000E-06	-
MARCH	-	3.300E-05	3.120E-04	5.570E-04	4.190E-04	2.040E-03	2.312E-03	-	2.100E-05	1.300E-05
APRIL	-	3.700E-05	2.210E-04	5.470E-04	7.390E-04	2.383E-03	2.439E-02	-	4.800E-05	7.000E-06
MAY	-	8.200E-05	6.330E-04	9.820E-04	9.020E-04	2.099E-03	1.373E-02	-	2.900E-05	2.400E-05
JUNE	-	2.070E-04	1.236E-03	1.488E-03	2.392E-03	5.312E-03	1.016E-02	-	8.700E-05	4.600E-05
JULY	-	3.320E-04	1.739E-03	1.842E-03	1.250E-03	2.537E-03	1.159E-02	-	8.200E-05	6.300E-05
AUGUST	-	3.660E-04	7.350E-04	9.220E-04	4.710E-04	1.135E-03	8.165E-03	-	1.040E-04	4.800E-05
SEPTEMBER	-	2.250E-04	2.810E-03	2.041E-03	1.410E-03	3.463E-03	3.313E-03	-	8.200E-05	3.400E-05
OCTOBER	-	2.690E-04	2.104E-03	1.657E-03	1.046E-03	2.482E-03	5.917E-03	-	9.900E-05	3.600E-05
NOVEMBER	-	1.220E-04	8.730E-04	1.328E-03	1.700E-04	4.330E-04	2.451E-03	-	4.600E-05	2.300E-05
DECEMBER	-	1.800E-04	1.168E-03	1.596E-03	1.960E-04	4.510E-04	8.060E-04	-	7.500E-05	7.200E-05
TOTAL	-	1.927E-03	1.228E-02	1.391E-02	9.517E-03	2.305E-02	8.479E-02	-	6.930E-04	3.800E-04
STD. DEV.	-	±1.306E-04	±8.353E-04	±5.955E-04	±6.672E-04	±1.457E-03	±7.071E-03	-	±3.469E-05	±2.101E-05

	CE-144	OTHER R OR G	AM-241 243	CM-242 244	U-235 238	PU-238 239	PU-238 239	PU-239
JANUARY	1.760E-04	-	1.000E-05	4.000E-06	1.310E-04	6.600E-05	1.500E-05	5.100E-05
FEBRUARY	2.200E-05	-	5.000E-06	1.000E-06	5.000E-05	5.800E-05	3.000E-05	2.800E-05
MARCH	3.260E-04	-	2.400E-05	4.000E-06	3.270E-04	3.390E-04	1.620E-04	1.770E-04
APRIL	1.340E-04	2.700E-05	4.800E-05	1.500E-05	5.200E-04	1.580E-04	6.500E-05	9.300E-05
MAY	3.780E-04	-	2.600E-05	7.000E-06	8.890E-04	3.240E-04	1.350E-04	1.890E-04
JUNE	5.300E-04	-	2.900E-05	9.000E-06	1.367E-03	2.030E-04	1.020E-04	1.010E-04
JULY	4.120E-04	-	5.800E-05	1.700E-05	5.690E-04	1.340E-04	6.100E-05	7.300E-05
AUGUST	3.920E-04	-	4.800E-05	2.100E-05	5.970E-04	1.280E-04	6.080E-05	6.000E-05
SEPTEMBER	3.870E-04	-	5.100E-05	1.200E-05	1.226E-03	1.600E-04	8.500E-05	7.500E-05
OCTOBER	2.850E-04	-	5.400E-05	1.500E-05	1.583E-03	1.768E-04	8.800E-05	8.800E-05
NOVEMBER	4.650E-04	-	1.300E-05	1.200E-05	7.938E-04	6.100E-05	2.300E-05	3.800E-05
DECEMBER	9.970E-04	-	8.000E-04	9.000E-04	4.350E-04	1.348E-04	5.500E-05	7.900E-05
TOTAL	4.704E-03	2.700E-05	3.740E-04	1.300E-04	8.487E-03	1.933E-03	8.810E-04	1.052E-03
STD. DEV.	±2.531E-04	-	±1.973E-05	±6.322E-06	±4.824E-04	±9.196E-05	±4.409E-05	±4.958E-05

	AIR VOLUME	
JANUARY	4.318E+11	
FEBRUARY	3.500E+11	
MARCH	3.500E+11	
APRIL	3.500E+11	
MAY	4.276E+11	
JUNE	3.421E+11	
JULY	3.421E+11	
AUGUST	4.276E+11	
SEPTEMBER	3.421E+11	
OCTOBER	4.276E+11	
NOVEMBER	3.421E+11	
DECEMBER	2.565E+11	
TOTAL	4.389E+12	
STD. DEV.	±3.287E+10	

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 200-H STACKS											
	T	SR-89 90	ZR-95	NR-95	RU-103	RU-106	I-131	CS-134	CS-137	CE-141	
JANUARY	2.288E+04	-	1.790E-04	1.300E-04	4.002E-03	1.512E-02	3.300E-04	-	3.400E-05	-	
FEBRUARY	1.966E+04	2.000E-05	8.300E-05	1.310E-04	1.746E-03	1.262E-02	3.760E-04	-	5.000E-06	-	
MARCH	1.764E+04	1.800E-05	9.600E-05	1.490E-04	3.299E-03	4.560E-02	2.410E-04	6.000E-06	1.200E-05	-	
APRIL	1.993E+04	5.000E-05	1.470E-04	1.800E-04	2.670E-04	5.223E-03	3.607E-03	1.200E-05	4.600E-05	-	
MAY	1.921E+04	2.500E-05	1.980E-04	2.050E-04	2.870E-04	3.049E-03	2.981E-03	-	1.700E-05	-	
JUNE	2.339E+04	-	6.300E-05	7.900E-05	7.000E-05	7.990E-04	2.010E-03	-	4.000E-06	-	
JULY	2.513E+04	4.500E-05	1.030E-04	2.060E-04	3.346E-03	4.296E-03	2.610E-04	3.000E-06	2.200E-05	5.000E-06	
AUGUST	1.932E+04	1.260E-04	7.760E-04	5.280E-04	1.790E-02	2.542E-02	2.380E-04	7.000E-06	7.200E-05	3.500E-05	
SEPTEMBER	1.867E+04	2.600E-05	1.330E-04	1.210E-04	7.083E-03	1.781E-02	4.350E-04	-	5.000E-06	-	
OCTOBER	2.028E+04	1.900E-05	6.000E-05	4.100E-05	5.998E-03	2.846E-02	2.540E-04	4.000E-06	1.700E-05	-	
NOVEMBER	2.449E+04	-	7.300E-05	6.800E-05	6.850E-04	3.853E-03	3.930E-04	-	1.000E-05	-	
DECEMBER	2.623E+04	-	1.890E-04	1.300E-04	2.060E-04	1.931E-03	2.630E-04	6.000E-06	2.200E-05	-	
TOTAL	2.571E+05	3.290E-04	2.100E-03	1.968E-03	4.489E-02	1.642E-01	1.138E-02	3.800E-05	2.680E-04	4.000E-05	
STD. DEV.	±2.846E+03	±3.636E-05	±1.955E-04	±1.254E-04	±5.049E-03	±1.371E-02	±1.207E-03	±3.141E-06	±1.987E-05	±2.121E-05	
	CE-144	OTHER B OR G	AM-241 243	CM-242 244	U-235 238	PU-238 239	PU-238 239	PU-238 239	OTHER ALPHA	UN-ID ALPHA	
JANUARY	1.680E-04	-	1.200E-05	3.000E-06	4.900E-05	1.330E-04	8.400E-05	4.900E-05	-	-	
FEBRUARY	3.900E-05	-	2.700E-05	6.000E-06	2.800E-05	6.100E-05	3.900E-05	2.200E-05	-	-	
MARCH	1.170E-04	-	1.400E-05	2.000E-06	6.600E-05	1.010E-04	5.000E-05	5.100E-05	-	-	
APRIL	4.320E-04	-	1.000E-05	3.000E-06	1.660E-04	2.010E-04	1.020E-04	1.090E-04	-	-	
MAY	1.260E-04	-	9.000E-06	3.000E-06	9.200E-05	2.680E-04	1.660E-04	1.020E-04	-	-	
JUNE	4.400E-05	-	8.000E-06	1.000E-06	3.100E-05	2.480E-04	1.810E-04	6.700E-05	-	-	
JULY	2.650E-04	-	6.000E-06	2.000E-06	4.300E-05	1.090E-04	7.000E-05	3.900E-05	-	-	
AUGUST	1.108E-03	1.200E-05	6.000E-06	1.000E-06	7.400E-05	1.660E-04	9.000E-05	7.600E-05	-	-	
SEPTEMBER	2.620E-04	-	6.000E-06	1.000E-06	4.800E-05	2.060E-04	1.550E-04	5.100E-05	-	-	
OCTOBER	1.460E-04	4.600E-05	1.600E-05	5.000E-06	2.800E-05	4.200E-05	2.200E-05	1.900E-05	-	-	
NOVEMBER	1.810E-04	-	4.000E-06	6.000E-06	3.000E-06	6.900E-05	6.600E-05	3.000E-06	-	-	
DECEMBER	2.570E-04	-	6.000E-06	2.000E-06	2.900E-05	1.570E-04	9.300E-05	6.400E-05	-	-	
TOTAL	3.145E-03	5.800E-05	1.240E-04	3.500E-05	6.570E-04	1.761E-03	1.118E-03	6.520E-04	-	-	
STD. DEV.	±2.876E-04	±2.404E-05	±6.386E-06	±1.831E-06	±4.244E-05	±7.383E-05	±5.058E-05	±3.190E-05	-	-	
AIR VOLUME											
JANUARY	2.854E+11										
FEBRUARY	2.283E+11										
MARCH	2.283E+11										
APRIL	2.283E+11										
MAY	2.854E+11										
JUNE	2.283E+11										
JULY	2.283E+11										
AUGUST	2.283E+11										
SEPTEMBER	2.283E+11										
OCTOBER	2.854E+11										
NOVEMBER	2.283E+11										
DECEMBER	1.712E+11										
TOTAL	2.854E+12										
STD. DEV.	±3.296E+10										

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID
200-F SEEPAGE BASIN

	T	CR-51	CO-58	CO-60	SR-89 90	SR-89	SR-90	ZR-95	NB-95	RU-103
JANUARY	1.577E+02	-	-	-	4.517E-03	-	4.000E-03	3.428E-01	3.589E-01	1.152E-01
FEBRUARY	4.778E+02	-	-	-	7.076E-03	1.000E-03	6.000E-03	4.159E-01	4.611E-01	2.367E-02
MARCH	1.179E+02	-	-	-	3.357E-03	-	3.000E-03	2.417E-01	1.845E-01	8.168E-02
APRIL	7.029E+02	-	-	-	3.322E-02	1.600E-02	1.800E-02	3.467E-01	1.500E-01	3.398E-01
MAY	1.784E+02	-	-	-	1.852E-03	-	9.000E-03	3.804E-01	1.727E-01	1.292E-01
JUNE	3.092E+02	-	-	-	5.503E-03	2.000E-03	3.000E-03	9.910E-01	3.692E-01	2.023E-01
JULY	3.442E+02	-	-	-	3.393E-03	-	2.300E-02	1.165E+00	6.265E-01	4.961E-01
AUGUST	2.959E+02	-	-	-	1.639E-03	-	2.000E-03	2.231E-01	1.344E-01	2.733E-01
SEPTEMBER	3.570E+02	-	-	-	5.022E-03	-	6.000E-03	5.594E-01	3.220E-01	1.957E-01
OCTOBER	5.179E+02	-	-	-	3.206E-03	-	3.000E-03	6.904E-01	4.592E-01	1.286E-01
NOVEMBER	2.034E+02	-	-	-	2.900E-03	-	2.000E-03	4.960E-01	3.990E-01	5.814E-02
DECEMBER	8.772E+02	-	-	-	1.179E-03	-	2.000E-03	3.324E-01	2.211E-01	3.344E-02
TOTAL	4.540E+03	-	-	-	7.287E-02	1.900E-02	8.100E-02	6.185E+00	3.858E+00	2.077E+00
STD. DEV.	±2.303E+02	-	-	-	±8.718E-03	±8.586E-03	±6.837E-03	±2.956E-01	±1.527E-01	±1.395E-01

	RU-106	I-131	CS-134	CS-137	CE-141	CE-144	PM-147	OTHER B OR G	AM-241 243	CM-242 244
JANUARY	3.982E-01	3.566E-03	1.424E-03	5.874E-02	4.089E-03	-	8.000E-03	-	1.955E-03	6.969E-04
FEBRUARY	1.499E-01	-	-	7.258E-02	-	2.026E-03	2.000E-03	5.643E-04	2.649E-03	1.081E-03
MARCH	4.887E-01	-	-	4.526E-02	-	3.707E-03	1.400E-02	-	2.707E-03	1.095E-03
APRIL	6.145E-01	6.569E-03	-	6.109E-02	-	1.646E-02	9.000E-03	1.164E-02	1.378E-03	3.293E-04
MAY	2.367E-01	-	3.315E-04	9.657E-02	-	-	6.000E-03	-	2.436E-04	8.076E-05
JUNE	3.746E-01	-	-	1.170E-01	-	-	8.000E-03	-	2.245E-04	8.424E-05
JULY	9.215E-01	-	-	3.891E-02	-	-	8.000E-03	-	2.780E-03	6.791E-04
AUGUST	5.111E-01	-	-	7.449E-02	-	-	1.000E-03	3.607E-04	5.344E-04	1.553E-04
SEPTEMBER	4.431E-01	-	-	2.830E-01	-	7.378E-03	2.300E-02	6.325E-04	1.561E-03	5.284E-04
OCTOBER	2.813E-01	-	-	4.573E-02	-	3.460E-02	2.900E-02	-	2.165E-03	1.783E-03
NOVEMBER	1.663E-01	-	-	1.552E-02	-	4.151E-03	6.000E-03	-	7.700E-04	4.065E-04
DECEMBER	7.634E-02	-	-	1.305E-02	-	-	5.000E-03	1.502E-03	2.113E-04	1.673E-04
TOTAL	4.662E+00	1.013E-02	1.756E-03	9.223E-01	4.089E-03	6.833E-02	1.190E-01	1.470E-02	1.712E-02	7.088E-03
STD. DEV.	±2.339E-01	±2.123E-03	±7.728E-04	±7.158E-02	-	±1.248E-02	±8.317E-03	±4.884E-03	±1.016E-03	±5.159E-04

	U-235 238	PU-238	PU-239	TOTAL ALPHA	WATER VOLUME
JANUARY	6.093E-03	1.062E-03	1.224E-03	1.103E-02	8.319E+06
FEBRUARY	2.220E-03	1.006E-03	1.010E-03	7.968E-03	8.349E+06
MARCH	1.527E-02	2.025E-03	2.387E-03	2.310E-02	1.042E+07
APRIL	1.664E-02	1.447E-03	1.679E-03	2.148E-02	1.902E+07
MAY	7.594E-03	4.385E-04	7.475E-04	9.064E-03	6.309E+06
JUNE	1.740E-02	1.611E-03	1.889E-03	2.121E-02	1.397E+07
JULY	1.534E-02	2.831E-03	3.646E-03	2.527E-02	1.172E+07
AUGUST	1.249E-02	1.484E-03	2.421E-03	1.709E-02	7.429E+06
SEPTEMBER	2.524E-02	2.341E-03	2.722E-03	3.231E-02	1.100E+07
OCTOBER	1.700E-02	1.175E-03	1.177E-03	2.330E-02	1.175E+07
NOVEMBER	7.176E-03	1.562E-03	1.260E-03	1.117E-02	1.020E+07
DECEMBER	4.285E-03	6.953E-04	7.960E-04	6.157E-03	8.309E+06
TOTAL	1.467E-01	1.768E-02	2.096E-02	2.092E-01	1.268E+08
STD. DEV.	±6.781E-03	±6.796E-04	±8.908E-04	±8.242E-03	±3.429E+06

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID
200-H SEEPAGE BASIN

	T	CR-51	CO-58	CO-60	ZN-65	SR-89 90	SR-89	SR-90	ZR-95	NB-95
JANUARY	3.070E+01	1.157E-01	-	3.626E-02	1.119E-02	1.974E-02	-	1.800E-02	2.190E-02	4.429E-02
FEBRUARY	2.032E+02	4.648E-01	-	3.313E-02	4.016E-03	2.056E-02	-	2.400E-02	4.428E-03	1.187E-02
MARCH	8.487E+02	1.746E-01	-	9.826E-03	1.768E-03	1.518E-01	-	1.500E-01	2.194E-03	6.698E-03
APRIL	7.052E+02	2.536E-01	-	1.408E-02	-	6.869E-02	2.600E-02	4.200E-02	9.518E-03	7.812E-03
MAY	7.022E+02	1.718E-01	-	1.380E-02	1.038E-02	1.098E-02	2.000E-03	8.000E-03	8.868E-03	6.620E-03
JUNE	4.022E+02	4.154E-02	-	9.075E-03	2.153E-03	9.828E-03	1.000E-03	8.000E-03	1.477E-02	1.561E-02
JULY	4.103E+02	1.805E-01	-	4.308E-02	-	3.389E-02	-	4.400E-02	7.044E-03	1.675E-02
AUGUST	1.456E+03	5.331E-02	2.242E-04	2.455E-02	7.206E-03	1.629E-01	-	1.900E-01	9.696E-04	1.278E-03
SEPTEMBER	8.439E+02	2.644E-02	-	8.877E-03	2.428E-02	2.417E-02	-	5.000E-02	4.076E-03	7.128E-03
OCTOBER	1.204E+03	1.447E-02	-	5.682E-03	1.751E-02	1.190E-02	-	1.900E-02	3.148E-03	9.901E-03
NOVEMBER	8.613E+02	2.053E-02	-	3.919E-03	1.260E-02	2.600E-02	1.600E-02	1.000E-02	5.071E-02	7.025E-02
DECEMBER	1.465E+03	5.821E-01	-	5.438E-02	1.737E-04	8.615E-03	-	2.700E-02	4.054E-03	8.678E-03
TOTAL	9.134E+03	2.099E+00	2.242E-04	2.567E-01	9.129E-02	5.491E-01	4.500E-02	5.900E-01	1.337E-01	2.069E-01
STD. DEV.	±4.576E+02	±1.818E-01	-	±1.660E-02	±7.680E-03	±5.463E-02	±1.198E-02	±5.878E-02	±1.378E-02	±1.993E-02

	RU-103	RU-106	SB-124 125	I-131	CS-134	CS-137	CE-141	CE-144	PM-147	OTHER B OR G
JANUARY	4.836E-03	1.129E-01	-	-	4.896E-03	1.413E-01	-	7.636E-02	6.000E-03	4.908E-03
FEBRUARY	1.141E-03	1.090E-01	3.748E-03	-	4.105E-03	1.154E-01	-	6.165E-02	6.200E-02	2.081E-03
MARCH	1.831E-03	7.707E-02	2.776E-03	-	3.530E-03	1.231E-01	-	1.125E-01	1.420E-01	-
APRIL	1.199E-02	1.414E-01	-	1.045E-02	5.731E-04	1.000E-01	-	7.734E-02	1.200E-02	-
MAY	1.003E-02	6.757E-02	5.460E-04	1.317E-02	1.798E-03	7.288E-02	-	9.495E-03	2.300E-02	9.204E-04
JUNE	3.263E-02	1.681E-01	1.422E-03	-	4.916E-04	1.142E-01	-	6.459E-02	2.700E-02	4.855E-02
JULY	1.596E-02	1.546E-01	9.642E-03	-	5.619E-03	1.723E-01	-	2.893E-02	1.100E-02	3.987E-03
AUGUST	7.658E-03	1.598E-01	7.928E-03	-	1.313E-03	8.895E-02	-	2.121E-02	7.000E-03	6.143E-03
SEPTEMBER	8.611E-03	6.953E-02	-	-	6.718E-03	6.008E-02	-	3.000E-02	1.400E-02	4.358E-03
OCTOBER	7.510E-03	9.406E-02	1.871E-03	-	5.482E-03	4.560E-01	-	3.077E-02	1.400E-02	4.693E-03
NOVEMBER	8.028E-02	2.822E-01	2.299E-03	-	2.651E-03	1.554E-01	2.494E-03	4.300E-02	2.000E-02	3.051E-02
DECEMBER	1.448E-02	5.122E-01	2.589E-02	-	8.335E-03	1.905E-01	-	3.202E-02	5.000E-03	2.353E-02
TOTAL	1.969E-01	1.948E+00	5.613E-02	2.362E-02	4.551E-02	1.790E+00	2.494E-03	5.878E-01	3.430E-01	1.297E-01
STD. DEV.	±2.174E-02	±1.251E-01	±7.978E-03	±1.928E-03	±2.512E-03	±1.041E-01	-	±2.975E-02	±3.888E-02	±1.593E-02

	AM-241 243	CM-242 244	U-235 238	PU-238	PU-239	TOTAL ALPHA	PM	WATER VOLUME
JANUARY	2.810E-04	1.171E-04	7.974E-04	1.748E-03	8.054E-04	3.749E-03	-	8.189E+06
FEBRUARY	2.663E-04	1.105E-04	6.080E-04	1.530E-03	7.121E-04	3.227E-03	-	5.898E+06
MARCH	1.739E-04	7.532E-05	6.607E-04	7.984E-04	6.224E-04	2.331E-03	-	7.779E+06
APRIL	1.793E-04	5.158E-05	6.929E-04	6.582E-04	5.183E-04	2.100E-03	-	1.787E+07
MAY	1.234E-04	4.351E-05	1.547E-04	1.624E-04	1.656E-04	6.496E-04	-	8.329E+06
JUNE	2.062E-04	8.598E-05	5.901E-04	1.315E-03	9.961E-04	3.191E-03	-	1.230E+07
JULY	1.270E-04	2.763E-04	3.784E-04	7.279E-04	4.889E-04	1.998E-03	-	2.300E+07
AUGUST	1.587E-04	9.555E-05	1.456E-04	9.999E-05	1.295E-04	6.294E-04	-	1.781E+07
SEPTEMBER	1.055E-04	4.127E-05	1.460E-04	1.691E-04	1.469E-04	6.089E-04	-	6.309E+06
OCTOBER	4.245E-04	1.369E-04	3.233E-04	2.912E-04	3.550E-04	1.531E-03	-	1.435E+07
NOVEMBER	3.441E-04	1.114E-04	9.377E-04	1.356E-03	9.069E-04	3.656E-03	-	1.643E+07
DECEMBER	1.360E-04	1.005E-04	6.817E-04	8.504E-04	4.339E-04	2.068E-03	-	2.091E+07
TOTAL	2.526E-03	1.248E-03	6.117E-03	9.708E-03	6.281E-03	2.574E-02	-	1.592E+08
STD. DEV.	±9.903E-05	±6.225E-05	±2.715E-04	±5.711E-04	±2.951E-04	±1.146E-03	-	±5.959E+06

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID
200-F EFFLUENT

	T	SR-89 90	CS-134 137	OTHER B OR G	TOTAL ALPHA
JANUARY	9.600E-01	2.400E-03	2.280E-03	2.420E-03	1.300E-04
FEBRUARY	1.000E+00	8.100E-04	1.520E-03	5.470E-03	2.700E-04
MARCH	3.700E-01	1.590E-03	2.190E-03	8.530E-03	4.200E-04
APRIL	6.300E-01	6.100E-04	6.100E-04	8.230E-03	3.400E-04
MAY	1.009E+00	4.920E-03	4.300E-04	2.727E-02	4.900E-04
JUNE	1.889E+00	4.260E-03	1.500E-03	1.389E-02	9.900E-04
JULY	1.179E+00	2.890E-03	2.000E-03	1.214E-02	1.590E-03
AUGUST	9.700E-01	6.000E-04	6.000E-04	4.640E-03	5.400E-04
SEPTEMBER	1.129E+00	7.400E-04	9.800E-04	5.690E-03	7.600E-04
OCTOBER	1.009E+00	-	5.800E-04	1.057E-02	4.600E-04
NOVEMBER	1.719E+00	9.700E-04	1.950E-03	3.030E-03	1.300E-04
DECEMBER	1.299E+00	1.820E-03	1.560E-03	6.300E-04	8.000E-05
TOTAL	1.316E+01	2.161E-02	1.620E-02	1.025E-01	6.200E-03
STD. DEV.	±4.125E-01	±1.507E-03	±6.832E-04	±7.134E-03	±4.296E-04

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	LIQUID 200-H EFFLUENT		CS-134 137	OTHER B OR G	TOTAL ALPHA	WATER VOLUME
	T	SR-89 90				
JANUARY	3.000E+00	9.000E-05	5.200E-04	1.750E-03	1.700E-04	1.109E+08
FEBRUARY	4.000E+00	2.000E-04	4.400E-04	1.270E-03	8.000E-05	8.374E+07
MARCH	7.759E+00	3.900E-04	8.200E-04	6.000E-03	4.300E-04	1.241E+08
APRIL	2.399E+00	-	9.000E-05	9.000E-04	3.100E-04	8.939E+07
MAY	5.629E+00	8.000E-05	3.400E-04	2.260E-03	9.000E-05	8.497E+07
JUNE	1.067E+01	-	4.200E-04	1.090E-03	9.000E-05	8.429E+07
JULY	7.974E+00	-	1.130E-03	7.700E-04	5.000E-05	8.716E+07
AUGUST	3.976E+01	2.400E-04	4.900E-04	2.980E-03	8.000E-05	1.220E+08
SEPTEMBER	1.787E+01	1.100E-04	1.110E-03	1.630E-03	1.200E-04	1.106E+08
OCTOBER	9.879E+00	1.100E-04	3.200E-04	2.190E-03	3.000E-04	1.054E+08
NOVEMBER	2.539E+00	1.670E-03	1.470E-03	3.100E-03	2.000E-04	9.869E+07
DECEMBER	3.719E+00	8.600E-04	1.630E-03	2.010E-03	4.000E-05	9.571E+07
TOTAL	1.151E+02	3.750E-03	8.780E-03	2.595E-02	1.960E-03	1.197E+09
STD. DEV.	±1.050E+01	±5.308E-04	±4.937E-04	±1.421E-03	±1.233E-04	±1.468E+07

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 313-M	
	U-238	AIR VOLUME
JANUARY	-	7.438E+10
FEBRUARY	-	7.438E+10
MARCH	-	7.438E+10
APRIL	-	7.438E+10
MAY	-	7.438E+10
JUNE	2.268E-06	7.438E+10
JULY	-	7.438E+10
AUGUST	-	7.438E+10
SEPTEMBER	5.780E-07	7.438E+10
OCTOBER	8.600E-08	7.438E+10
NOVEMBER	-	7.438E+10
DECEMBER	-	7.438E+10
TOTAL	2.932E-06	8.925E+11
STD. DEV.	±1.144E-06	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 321-M	
	TOTAL ALPHA	AIR VOLUME
JANUARY	-	3.744E+10
FEBRUARY	6.260E-07	3.744E+10
MARCH	2.960E-07	3.744E+10
APRIL	1.008E-06	3.744E+10
MAY	-	3.744E+10
JUNE	5.157E-06	3.744E+10
JULY	4.220E-07	3.744E+10
AUGUST	3.450E-07	3.744E+10
SEPTEMBER	1.910E-07	3.744E+10
OCTOBER	2.140E-07	3.744E+10
NOVEMBER	2.130E-07	3.744E+10
DECEMBER	7.000E-09	3.744E+10
TOTAL	8.439E-06	4.492E+11
STD. DEV.	±1.541E-06	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 322-M STACKS	
	T	AIR VOLUME
JANUARY	-	6.199E+07
FEBRUARY	-	6.199E+07
MARCH	-	6.199E+07
APRIL	-	6.199E+07
MAY	-	6.199E+07
JUNE	-	6.199E+07
JULY	-	6.199E+07
AUGUST	-	6.199E+07
SEPTEMBER	-	6.199E+07
OCTOBER	-	6.199E+07
NOVEMBER	-	6.199E+07
DECEMBER	-	6.199E+07
TOTAL	-	7.438E+08
STD. DEV.	-	±3.164E-08

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID
TIMS BRANCH M EFF
U-235
238

JANUARY	5.259E-03
FEBRUARY	4.058E-03
MARCH	1.010E-02
APRIL	1.043E-02
MAY	7.060E-03
JUNE	1.074E-03
JULY	-
AUGUST	-
SEPTEMBER	-
OCTOBER	-
NOVEMBER	-
DECEMBER	4.149E-03
TOTAL	4.214E-02
STD. DEV.	±3.407E-03

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID
300-M SEEPAGE BASIN
U 235
238 WATER
VOLUME

JANUARY	6.468E-03	2.061E+06
FEBRUARY	7.210E-03	2.606E+06
MARCH	4.841E-03	3.277E+06
APRIL	2.831E-03	2.599E+06
MAY	4.891E-03	3.036E+06
JUNE	6.925E-03	2.681E+06
JULY	1.804E-02	6.707E+07
AUGUST	6.431E-02	8.770E+07
SEPTEMBER	1.528E-02	5.448E+07
OCTOBER	1.286E-02	5.379E+07
NOVEMBER	3.029E-02	6.436E+07
DECEMBER	3.130E-02	3.964E+07
TOTAL	2.092E-01	3.833E+08
STD. DEV.	±1.769E-02	±3.243E+07

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID
920-D

	T	SR- 89.90	CS-134 137	OTHER R OR G	TOTAL ALPHA	WATER VOLUME
JANUARY	-	-	-	-	-	-
FEBRUARY	-	-	-	-	-	-
MARCH	-	-	-	-	-	-
APRIL	-	-	-	-	-	-
MAY	-	-	-	-	-	-
JUNE	-	-	-	-	-	-
JULY	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-
SEPTEMBER	-	-	-	-	-	-
OCTOBER	-	-	-	-	-	-
NOVEMBER	-	-	-	-	-	-
DECEMBER	3.149E+01	-	-	-	4.080E-06	8.699E+03
TOTAL	3.149E+01	-	-	-	4.080E-06	8.699E+03
STD. DEV.	-	-	-	-	-	-

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

ATMOSPHERIC
920-D

	T	K2R VOLUME
JANUARY	7.000E+01	6.819E+09
FEBRUARY	5.000E+01	6.819E+09
MARCH	6.000E+01	6.819E+09
APRIL	4.000E+01	6.819E+09
MAY	7.000E+01	6.819E+09
JUNE	5.000E+01	6.819E+09
JULY	6.000E+01	6.819E+09
AUGUST	7.000E+01	6.819E+09
SEPTEMBER	7.000E+01	6.819E+09
OCTOBER	5.000E+01	1.144E+11
NOVEMBER	6.000E+01	6.819E+09
DECEMBER	4.000E+01	6.819E+09
TOTAL	6.900E+02	1.894E+11
STD. DEV.	±1.138E+01	±3.106E+10

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	LIQUID 421-20		CS-134 137	OTHER B OR G	TOTAL ALPHA	WATER VOLUME
	T	SR- 89,90				
JANUARY	-	-	-	-	-	-
FEBRUARY	6.100E+01	-	-	-	-	9.799E+04
MARCH	9.800E+01	-	-	-	1.040E-04	1.149E+05
APRIL	6.200E+01	-	-	2.990E-04	-	1.019E+05
MAY	4.400E+02	-	-	4.950E-04	-	1.099E+05
JUNE	7.000E+01	-	-	-	-	5.659E+04
JULY	5.900E+01	-	-	-	-	6.139E+04
AUGUST	9.100E+01	-	-	-	-	5.699E+04
SEPTEMBER	6.000E+01	-	-	-	-	5.249E+04
OCTOBER	1.971E+02	-	-	1.793E-03	-	1.159E+05
NOVEMBER	-	-	-	-	-	-
DECEMBER	-	-	-	-	-	-
TOTAL	1.138E+03	-	-	2.587E-03	1.040E-04	7.684E+05
STD. DEV.	±1.254E+02	-	-	±8.119E-04	-	±2.771E+04

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 421-20	
	T	AIR VOLUME
JANUARY	4.000E+01	1.050E+10
FEBRUARY	4.000E+01	1.050E+10
MARCH	6.000E+01	1.050E+10
APRIL	6.000E+01	1.050E+10
MAY	7.000E+01	1.050E+10
JUNE	4.000E+01	1.050E+10
JULY	5.000E+01	1.050E+10
AUGUST	4.000E+01	1.050E+10
SEPTEMBER	4.000E+01	1.050E+10
OCTOBER	4.000E+01	1.050E+10
NOVEMBER	6.000E+01	1.050E+10
DECEMBER	5.000E+01	1.050E+10
TOTAL	5.900E+02	1.260E+11
STD. DEV.	±1.083E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	LIQUID 772-0		CS-134 137	OTHER B OR G	TOTAL ALPHA	WATER VOLUME
	T	SR- 89,90				
JANUARY	1.520E+02	-	-	-	-	4.619E+05
FEBRUARY	2.100E+01	-	-	-	-	4.199E+05
MARCH	5.500E+01	-	-	-	-	4.619E+05
APRIL	4.000E+01	-	-	-	-	4.469E+05
MAY	2.170E+02	-	-	-	-	4.619E+05
JUNE	2.200E+01	-	-	-	-	4.469E+05
JULY	1.800E+01	-	-	-	-	4.619E+05
AUGUST	9.000E+00	-	-	-	-	4.619E+05
SEPTEMBER	2.200E+01	-	-	-	-	4.469E+04
OCTOBER	1.847E+01	-	-	-	-	4.619E+05
NOVEMBER	8.939E+01	-	-	-	-	4.469E+05
DECEMBER	2.032E+02	-	-	-	2.080E-04	4.619E+05
TOTAL	8.671E+02	-	-	-	2.080E-04	5.039E+06
STD. DEV.	±7.605E+01	-	-	-	-	±1.188E+05

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 772-0	
	T	AIR VOLUME
JANUARY	7.000E+01	9.174E+09
FEBRUARY	7.000E+01	9.174E+09
MARCH	5.000E+01	9.174E+09
APRIL	5.000E+01	9.174E+09
MAY	4.000E+01	9.174E+09
JUNE	7.000E+01	9.174E+09
JULY	6.000E+01	9.174E+09
AUGUST	5.000E+01	9.174E+09
SEPTEMBER	7.000E+01	9.174E+09
OCTOBER	7.000E+01	9.174E+09
NOVEMBER	5.000E+01	9.174E+09
DECEMBER	6.000E+01	9.174E+09
TOTAL	7.100E+02	1.100E+11
STD. DEV.	±1.083E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

ATMOSPHERIC
773-A

	T	CO-60	CO-60	I-131	I-133	OTHER B OR Q	TOTAL ALPHA	AIR VOLUME
JANUARY	-	-	-	8.600E-05	-	-	-	2.714E+11
FEBRUARY	-	-	-	3.220E-04	-	3.000E-06	-	2.714E+11
MARCH	-	-	-	2.220E-04	-	1.000E-06	-	2.714E+11
APRIL	-	-	-	1.090E-04	-	2.000E-06	-	2.714E+11
MAY	-	-	4.000E-06	3.260E-04	-	1.000E-06	-	2.714E+11
JUNE	-	-	1.400E-05	4.980E-04	-	8.000E-06	-	2.714E+11
JULY	-	-	-	4.100E-05	-	-	-	2.714E+11
AUGUST	5.000E+00	-	9.000E-06	3.700E-05	-	2.000E-06	-	2.714E+11
SEPTEMBER	-	-	9.000E-06	4.900E-05	-	-	-	2.714E+11
OCTOBER	-	-	8.000E-06	6.500E-05	-	-	-	2.714E+11
NOVEMBER	-	-	-	4.800E-05	-	1.000E-06	-	2.714E+11
DECEMBER	-	-	-	1.640E-04	-	1.000E-06	-	2.714E+11
TOTAL	5.000E+00	-	4.400E-05	1.967E-03	-	1.900E-05	-	3.256E+12
STD. DEV.	-	-	±3.563E-06	±1.486E-04	-	±2.386E-06	-	-

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID
773-A SEEPAGE BASIN

	T	SR- 89-90	CS-134 137	OTHER B OR Q	U-235 238	U/PU	PU-238	PU-239	OTHER ALPHA	WATER VOLUME
JANUARY	-	-	6.400E-05	5.000E-05	5.16E-05	8.500E-05	1.700E-05	1.700E-05	-	8.359E+04
FEBRUARY	-	-	4.000E-05	7.300E-05	2.230E-04	3.190E-04	6.700E-05	2.900E-05	8.800E-05	8.519E+04
MARCH	-	-	1.510E-04	1.040E-04	1.600E-04	1.880E-04	1.400E-05	1.400E-05	1.000E-04	1.229E+05
APRIL	-	-	1.380E-04	6.170E-04	1.620E-04	1.900E-04	1.400E-05	1.400E-05	3.000E-05	1.464E+05
MAY	-	-	2.600E-05	4.400E-05	1.124E-03	1.183E-03	3.000E-05	2.900E-05	1.860E-04	6.299E+04
JUNE	-	-	5.800E-05	-	7.020E-04	7.390E-04	1.900E-05	1.800E-05	1.500E-04	1.112E+05
JULY	-	-	2.800E-05	-	9.600E-05	1.280E-04	8.000E-06	2.430E-05	9.700E-05	1.221E+05
AUGUST	2.000E-03	-	8.200E-05	1.500E-04	2.060E-04	2.430E-04	1.800E-05	1.800E-05	8.000E-05	1.899E+05
SEPTEMBER	8.000E-03	-	1.270E-04	-	2.730E-04	3.210E-04	2.200E-05	2.600E-05	9.100E-05	1.149E+05
OCTOBER	1.000E-03	-	3.300E-05	-	8.300E-05	9.200E-05	4.000E-06	5.000E-06	1.500E-05	2.099E+04
NOVEMBER	-	-	-	-	-	-	-	-	-	-
DECEMBER	-	-	-	-	-	-	-	-	-	-
TOTAL	1.100E-02	-	7.470E-04	1.038E-03	3.080E-03	3.488E-03	2.130E-04	1.940E-04	8.370E-04	1.060E+06
STD. DEV.	±3.785E-03	-	±4.773E-05	±2.209E-04	±3.407E-04	±3.490E-04	±1.758E-05	±7.633E-06	±5.269E-05	±4.638E+04

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID
TIMS BRANCH A EFF

	B OR Q	TOTAL ALPHA
JANUARY	5.100E-05	2.300E-05
FEBRUARY	7.000E-05	2.000E-05
MARCH	2.050E-04	2.500E-05
APRIL	-	2.800E-05
MAY	2.110E-04	2.300E-05
JUNE	3.900E-05	2.600E-05
JULY	-	2.100E-05
AUGUST	-	3.900E-05
SEPTEMBER	-	1.200E-05
OCTOBER	-	1.200E-05
NOVEMBER	7.200E-05	3.000E-06
DECEMBER	-	5.000E-06
TOTAL	6.480E-04	2.370E-04
STD. DEV.	±7.844E-05	±1.020E-05

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1982
CURIES - (VOLUME, LITERS)

LIQUID
CMX-SEEPAGE BASIN

	B OR Q	U-235 238	WATER VOLUME
JANUARY	-	2.030E-04	1.139E+06
FEBRUARY	-	4.300E-05	1.139E+06
MARCH	-	2.000E-05	1.139E+06
APRIL	-	3.000E-06	6.799E+05
MAY	-	8.000E-06	6.799E+05
JUNE	-	2.000E-05	6.799E+05
JULY	-	4.000E-06	6.799E+05
AUGUST	-	4.500E-05	6.799E+05
SEPTEMBER	-	8.000E-06	6.799E+05
OCTOBER	-	1.100E-05	6.799E+05
NOVEMBER	-	7.000E-06	6.799E+05
DECEMBER	-	-	6.799E+05
TOTAL	-	3.720E-04	9.539E+06
STD. DEV.	-	±5.798E-05	±2.080E+05

- LESS THAN SENSITIVITY OF ANALYSES

SRP RADIOACTIVE RELEASES

MONTHLY RADIOACTIVE RELEASES

1983

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 100-G										
	T	AR-41	KR-85M	KR-87	KR-88	TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
JANUARY	2.685E+03	3.500E+02	1.000E+01	5.000E+00	1.000E+01	2.500E+01	-	-	3.500E+01	1.500E+01
FEBRUARY	2.130E+03	3.450E+02	1.500E+01	1.000E+01	2.000E+01	4.500E+01	-	-	6.000E+01	2.500E+01
MARCH	3.355E+03	5.550E+02	2.000E+01	1.500E+01	3.000E+01	6.500E+01	-	-	7.500E+01	3.000E+01
APRIL	3.010E+03	3.950E+02	3.000E+01	2.000E+01	4.000E+01	9.000E+01	2.300E-05	-	1.250E+02	4.000E+01
MAY	4.133E+03	3.900E+02	4.000E+01	3.000E+01	6.000E+01	1.300E+02	5.740E-04	-	1.700E+02	5.500E+01
JUNE	7.139E+03	2.750E+02	3.600E+01	2.500E+01	5.200E+01	1.130E+02	1.472E-03	1.590E-04	1.500E+02	8.600E+01
JULY	4.659E+03	3.700E+02	1.000E+01	4.000E+00	1.100E+01	2.500E+01	4.110E-04	1.050E-04	3.200E+01	1.100E+01
AUGUST	5.826E+03	4.650E+02	9.000E+00	4.000E+00	1.200E+01	2.500E+01	1.600E-05	-	3.700E+01	1.100E+01
SEPTEMBER	3.608E+03	4.770E+02	7.000E+00	4.000E+00	1.000E+01	2.100E+01	-	-	3.700E+01	1.000E+01
OCTOBER	6.360E+03	4.950E+02	7.000E+00	4.000E+00	1.200E+01	2.300E+01	2.000E-06	-	3.400E+01	8.000E+00
NOVEMBER	3.468E+03	6.370E+02	1.100E+01	6.000E+00	1.600E+01	3.300E+01	-	9.000E-06	4.800E+01	1.300E+01
DECEMBER	8.920E+03	8.550E+02	2.000E+01	1.300E+01	3.000E+01	6.300E+01	-	-	8.100E+01	2.300E+01
TOTAL	5.529E+04	5.609E+03	2.150E+02	1.400E+02	3.030E+02	6.580E+02	2.498E-03	2.730E-04	8.840E+02	3.270E+02
STD. DEV.	±2.045E+03	±1.578E+02	±1.155E+01	±9.098E+00	±1.736E+01	±3.794E+01	±5.702E-04	±7.597E-05	±4.874E+01	±2.328E+01

	TOTAL XE	OTHER B OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
JANUARY	5.000E+01	4.000E-06	2.000E-08	1.540E+11	1.146E+11
FEBRUARY	5.500E+01	3.000E-06	-	1.263E+11	9.175E+10
MARCH	1.050E+02	4.000E-06	8.000E-08	1.719E+11	9.175E+10
APRIL	1.650E+02	3.000E-06	4.000E-08	1.353E+11	9.175E+10
MAY	2.250E+02	5.000E-06	-	1.693E+11	1.146E+11
JUNE	2.360E+02	4.000E-06	4.000E-08	1.299E+11	9.175E+10
JULY	4.300E+01	9.000E-06	2.500E-07	2.452E+11	9.175E+10
AUGUST	4.800E+01	4.000E-06	5.000E-08	1.832E+11	1.146E+11
SEPTEMBER	4.700E+01	2.000E-06	1.000E-07	1.257E+11	9.175E+10
OCTOBER	4.200E+01	4.000E-06	5.000E-08	2.503E+11	1.146E+11
NOVEMBER	6.100E+01	2.000E-06	4.000E-08	1.265E+11	9.175E+10
DECEMBER	1.040E+02	5.000E-06	5.000E-08	1.308E+11	9.175E+10
TOTAL	1.211E+03	4.900E-05	7.200E-07	1.948E+12	1.192E+12
STD. DEV.	±7.054E+01	±1.831E-06	±6.646E-08	±4.466E+10	±1.129E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 100-K										
	T	AR-41	KR-85M	KR-87	KR-88	TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
JANUARY	3.195E+03	1.300E+03	2.000E+01	1.500E+01	3.500E+01	7.000E+01	-	4.000E-04	6.500E+01	6.000E+01
FEBRUARY	4.125E+03	1.300E+03	2.000E+01	1.500E+01	3.500E+01	7.000E+01	-	-	6.500E+01	6.000E+01
MARCH	3.670E+03	1.300E+03	2.000E+01	1.500E+01	3.500E+01	7.000E+01	-	-	6.500E+01	6.000E+01
APRIL	4.275E+03	9.950E+02	1.500E+01	2.000E+01	2.000E+01	5.500E+01	4.280E-04	-	4.000E+01	3.000E+01
MAY	5.400E+03	1.950E+03	1.400E+01	1.700E+01	2.300E+01	5.400E+01	2.630E-04	-	5.400E+01	2.900E+01
JUNE	1.472E+04	3.580E+02	3.000E+00	4.000E+00	6.000E+00	1.300E+01	1.812E-03	-	1.800E+01	4.700E+01
JULY	1.633E+04	1.000E+00	-	2.000E+00	-	2.000E+00	3.400E-05	-	-	-
AUGUST	5.646E+03	1.081E+03	1.000E+00	5.000E+00	4.000E+00	1.000E+01	-	-	6.000E+00	6.000E+00
SEPTEMBER	9.170E+03	1.960E+02	5.000E+00	1.300E+01	1.400E+01	3.200E+01	-	1.100E-05	1.200E+01	1.100E+01
OCTOBER	9.015E+03	6.200E+02	4.500E+01	5.000E+01	9.000E+01	1.850E+02	-	-	8.500E+01	6.500E+01
NOVEMBER	6.735E+03	8.250E+02	3.500E+01	3.500E+01	7.000E+01	1.400E+02	-	-	4.000E+01	2.000E+01
DECEMBER	5.325E+03	6.450E+02	1.100E+01	1.100E+01	1.800E+01	4.000E+01	-	-	5.400E+01	9.000E+00
TOTAL	8.761E+04	1.057E+04	1.890E+02	2.020E+02	3.500E+02	7.410E+02	2.537E-03	1.500E-05	5.040E+02	3.970E+02
STD. DEV.	±4.295E+03	±5.532E+02	±1.334E+01	±1.356E+01	±2.653E+01	±5.360E+01	±8.016E-04	±4.949E-06	±2.518E+01	±2.298E+01

	TOTAL XE	OTHER B OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
JANUARY	1.250E+02	7.000E-06	-	1.311E+11	1.146E+11
FEBRUARY	1.250E+02	3.000E-06	-	1.931E+11	9.175E+10
MARCH	1.250E+02	4.000E-06	-	1.257E+11	9.175E+10
APRIL	7.000E+01	3.000E-06	-	1.115E+11	9.175E+10
MAY	8.300E+01	6.000E-06	2.400E-07	1.362E+11	1.146E+11
JUNE	6.500E+01	1.386E-03	2.430E-06	2.509E+11	9.175E+10
JULY	-	5.200E-05	3.400E-07	2.993E+11	9.175E+10
AUGUST	1.200E+01	8.000E-06	1.000E-08	1.699E+11	1.146E+11
SEPTEMBER	2.300E+01	1.500E-05	2.300E-07	2.364E+11	9.175E+10
OCTOBER	1.500E+02	1.200E-05	2.400E-07	1.934E+11	1.146E+11
NOVEMBER	6.000E+01	5.000E-06	-	1.560E+11	9.175E+10
DECEMBER	6.300E+01	9.000E-06	5.000E-08	1.413E+11	9.175E+10
TOTAL	9.010E+02	1.510E-03	3.540E-06	2.145E+12	1.192E+12
STD. DEV.	±4.453E+01	±3.970E-04	±8.564E-07	±5.791E+10	±1.129E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 100-L					TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
	T	AR-41	KR-85M	KR-87	KR-88					
JANUARY	5.000E+00	-	-	-	-	-	-	-	-	-
FEBRUARY	3.000E+00	-	-	-	-	-	-	-	-	-
MARCH	5.000E+00	-	-	-	-	-	-	-	-	-
APRIL	-	-	-	-	-	-	-	-	-	-
MAY	-	-	-	-	-	-	-	-	-	-
JUNE	-	-	-	-	-	-	-	-	-	-
JULY	3.500E+02	-	-	-	-	-	-	-	-	-
AUGUST	2.600E+01	-	-	-	-	-	-	-	-	-
SEPTEMBER	6.000E+00	-	-	-	-	-	-	-	-	-
OCTOBER	5.000E+00	-	-	-	-	-	-	-	-	-
NOVEMBER	4.000E+00	-	-	-	-	-	-	-	-	-
DECEMBER	1.300E+01	-	-	-	-	-	-	-	-	-
TOTAL	4.170E+02	-	-	-	-	-	-	-	-	-
STD. DEV.	±1.141E+02	-	-	-	-	-	-	-	-	-

	TOTAL XE	OTHER B OR G	TOTAL ALPHA	STACK VOLUME
JANUARY	-	7.000E-06	6.000E-08	1.427E+11
FEBRUARY	-	3.000E-06	1.400E-08	1.427E+11
MARCH	-	-	-	-
APRIL	-	-	-	-
MAY	-	-	-	-
JUNE	-	-	-	-
JULY	-	-	-	-
AUGUST	-	-	-	-
SEPTEMBER	-	-	-	-
OCTOBER	-	-	-	-
NOVEMBER	-	-	-	-
DECEMBER	-	-	-	-
TOTAL	-	1.000E-05	7.400E-08	2.854E+11
STD. DEV.	-	±2.828E-06	±3.252E-08	±2.508E+03

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 100-P					TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
	T	AR-41	KR-85M	KR-87	KR-88					
JANUARY	1.635E+03	1.950E+03	5.000E+01	2.000E+01	2.500E+01	9.500E+01	-	3.000E-06	7.500E+01	6.000E+01
FEBRUARY	1.030E+03	2.370E+03	5.000E+01	2.000E+01	3.000E+01	1.100E+02	-	-	1.000E+02	9.000E+01
MARCH	1.290E+03	1.930E+03	8.500E+01	4.000E+01	6.000E+01	1.850E+02	-	1.940E-04	4.950E+02	1.500E+02
APRIL	1.650E+03	2.110E+03	6.500E+01	3.000E+01	5.000E+01	1.450E+02	-	6.700E-05	1.200E+02	8.500E+01
MAY	1.560E+03	2.150E+03	8.000E+01	4.500E+01	6.000E+01	1.850E+02	1.910E-04	-	1.850E+02	1.700E+02
JUNE	1.585E+03	1.920E+03	6.000E+01	3.000E+01	4.000E+01	1.500E+02	3.900E-05	6.600E-05	1.400E+02	1.200E+02
JULY	1.730E+03	2.400E+03	8.000E+01	4.000E+01	6.000E+01	1.800E+02	-	-	1.000E+02	1.900E+02
AUGUST	3.560E+03	2.150E+03	8.000E+01	5.000E+01	6.000E+01	1.900E+02	-	-	2.000E+02	1.700E+02
SEPTEMBER	5.375E+03	3.165E+03	1.050E+02	8.000E+01	1.000E+02	2.850E+02	-	4.500E-05	1.750E+02	2.700E+02
OCTOBER	4.440E+03	1.720E+03	5.000E+01	4.000E+01	6.000E+01	1.500E+02	3.340E-04	1.530E-04	2.050E+02	1.400E+02
NOVEMBER	3.836E+03	-	2.200E+01	-	2.000E+00	2.400E+01	2.340E-04	8.000E-06	2.000E+00	-
DECEMBER	3.110E+03	2.700E+03	9.500E+01	5.500E+01	8.500E+01	2.350E+02	-	-	2.150E+02	2.100E+02
TOTAL	3.080E+04	2.456E+04	8.220E+02	4.600E+02	6.320E+02	1.914E+03	7.980E-04	5.380E-04	2.012E+03	1.635E+03
STD. DEV.	±1.435E+03	±4.117E+02	±2.331E+01	±1.616E+01	±2.623E+01	±6.758E+01	±1.226E-04	±7.236E-05	±1.207E+02	±6.140E+01

	TOTAL XE	OTHER B OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
JANUARY	1.350E+02	8.000E-06	3.000E-08	1.571E+11	1.345E+11
FEBRUARY	1.900E+02	6.000E-06	-	1.302E+11	1.076E+11
MARCH	6.250E+02	2.000E-06	1.600E-07	1.543E+11	1.076E+11
APRIL	2.050E+02	3.000E-06	2.100E-07	1.668E+11	1.076E+11
MAY	3.550E+02	4.000E-06	-	1.758E+11	1.345E+11
JUNE	2.600E+02	2.000E-06	-	1.503E+11	1.076E+11
JULY	2.900E+02	2.000E-06	-	1.546E+11	1.076E+11
AUGUST	3.700E+02	4.000E-06	-	1.801E+11	1.345E+11
SEPTEMBER	4.450E+02	2.000E-06	-	1.515E+11	1.076E+11
OCTOBER	3.450E+02	6.000E-06	-	2.435E+11	1.345E+11
NOVEMBER	2.004E+00	4.000E-06	-	2.381E+11	1.045E+11
DECEMBER	4.250E+02	4.000E-06	-	1.489E+11	1.025E+11
TOTAL	3.647E+03	4.700E-05	4.000E-07	2.051E+12	1.390E+12
STD. DEV.	±1.626E+02	±1.928E-06	±9.291E-08	±3.514E+10	±1.384E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

**LIQUID
C PURGE TO SEEPAGE BASIN**

	<u>T</u>	<u>P-32</u>	<u>S-35</u>	<u>CR-51</u>	<u>CO-58.60</u>	<u>SR-89</u>	<u>SR-90</u>	<u>Y-91</u>	<u>ZR-95 NB-95</u>	<u>RU-103 106</u>
JANUARY	-	-	-	-	-	-	-	-	-	-
FEBRUARY	2.501E+03	7.008E-04	3.174E-02	-	-	-	-	-	6.289E-04	-
MARCH	4.911E+02	-	1.510E-03	-	-	-	1.900E-03	-	9.068E-04	-
APRIL	8.533E+02	-	-	-	-	5.520E-04	5.580E-04	-	-	5.382E-04
MAY	2.465E-01	-	-	-	-	-	-	-	-	-
JUNE	4.417E+01	1.636E-05	-	2.817E-04	-	-	-	-	-	-
JULY	-	-	-	-	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-	-	-	-	-
SEPTEMBER	5.050E+02	1.320E-03	2.152E-03	-	-	-	-	-	5.616E-04	-
OCTOBER	2.884E+02	-	3.979E-03	6.442E-05	9.685E-06	-	-	-	2.856E-05	-
NOVEMBER	9.238E+02	8.253E-03	7.084E-03	-	-	-	-	-	-	-
DECEMBER	1.517E+02	-	9.900E-04	-	1.752E-04	-	-	-	3.005E-04	-
TOTAL	5.759E+03	1.029E-02	4.746E-02	3.461E-04	1.849E-04	5.520E-04	2.458E-03	-	2.426E-03	5.382E-04
STD. DEV.	±7.713E+02	±3.824E-03	±1.188E-02	±1.536E-04	±1.170E-04	-	±9.495E-04	-	±3.342E-04	-

	<u>SB-124 125</u>	<u>I-131</u>	<u>CS-134</u>	<u>CS-137</u>	<u>CE-141 144</u>	<u>PM-147</u>	<u>B OR Q</u>	<u>ALPHA</u>	<u>VOLUME</u>
JANUARY	-	-	-	-	-	-	-	-	-
FEBRUARY	1.444E-03	-	-	7.118E-03	3.871E-03	-	3.839E-02	5.406E-05	3.419E+06
MARCH	-	-	9.464E-04	1.177E-02	4.031E-03	-	6.448E-03	3.867E-04	2.123E+06
APRIL	-	5.310E-03	9.963E-04	1.137E-02	-	-	5.310E-03	4.019E-04	2.938E+06
MAY	-	-	-	-	-	-	-	7.880E-08	7.879E+04
JUNE	1.907E-05	-	-	-	-	-	3.172E-04	1.308E-06	1.469E+05
JULY	-	-	-	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-	-	-	-
SEPTEMBER	-	-	-	3.125E-04	1.428E-03	-	5.463E-03	1.856E-04	2.349E+06
OCTOBER	6.589E-05	-	-	3.183E-04	6.522E-04	-	4.790E-03	1.059E-05	1.061E+06
NOVEMBER	-	-	-	-	1.025E-03	-	1.636E-02	1.324E-04	3.269E+06
DECEMBER	-	-	-	7.079E-05	1.072E-04	-	1.397E-03	4.017E-05	6.058E+05
TOTAL	1.529E-03	5.310E-03	1.942E-03	3.096E-02	1.111E-02	-	7.848E-02	1.213E-03	1.599E+07
STD. DEV.	±8.099E-04	-	±3.529E-05	±5.638E-03	±1.683E-03	-	±1.251E-02	±1.598E-04	±1.329E+06

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

**LIQUID
C PROCESS SEWER**

	<u>T</u>	<u>CO-58.60</u>	<u>SR-90</u>	<u>CS-137</u>	<u>OTHER B OR Q</u>	<u>ALPHA</u>	<u>WATER VOLUME</u>
JANUARY	3.500E+01	-	-	-	-	-	5.899E+08
FEBRUARY	4.000E+00	-	-	-	-	-	5.339E+08
MARCH	1.870E+01	-	-	-	-	-	5.489E+08
APRIL	4.415E+00	-	-	-	-	-	5.219E+08
MAY	5.000E+00	-	-	-	-	-	5.299E+08
JUNE	8.751E+00	-	-	-	-	-	6.589E+08
JULY	3.757E+00	-	-	-	-	-	7.129E+08
AUGUST	1.072E+01	-	-	-	-	-	6.219E+08
SEPTEMBER	1.242E+01	-	-	-	-	-	5.699E+08
OCTOBER	1.098E+01	-	-	-	-	-	5.799E+08
NOVEMBER	3.423E+00	-	-	-	-	-	5.299E+08
DECEMBER	5.490E+00	-	-	-	-	-	5.359E+08
TOTAL	1.226E+02	-	-	-	-	-	6.934E+09
STD. DEV.	±9.064E+00	-	-	-	-	-	±5.971E+07

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

**LIQUID
C RX HX COOLING W**

	<u>T</u>	<u>WATER VOLUME</u>
JANUARY	2.790E+02	2.619E+10
FEBRUARY	3.320E+02	2.619E+10
MARCH	4.860E+02	3.279E+10
APRIL	3.490E+02	2.619E+10
MAY	5.280E+02	3.279E+10
JUNE	1.920E+02	2.209E+10
JULY	5.970E+02	2.399E+10
AUGUST	1.038E+03	3.119E+10
SEPTEMBER	5.280E+02	2.659E+10
OCTOBER	4.730E+02	2.909E+10
NOVEMBER	4.300E+02	2.623E+10
DECEMBER	4.420E+02	2.619E+10
TOTAL	5.674E+03	3.296E+11
STD. DEV.	±2.122E+02	±3.343E+09

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID 690-G SEEPAGE BASIN							
	T	CO-60	SR-90	CS-137	OTHER B OR G	ALPHA	VOLUME
JANUARY	5.000E-03	1.800E-05	-	-	-	1.000E-06	2.269E+04
FEBRUARY	-	-	-	-	-	-	-
MARCH	-	-	-	-	-	-	-
APRIL	-	-	-	-	-	-	-
MAY	2.190E-01	2.000E-05	4.000E-06	6.100E-05	-	-	2.269E+04
JUNE	-	-	-	-	-	-	-
JULY	-	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-	-
SEPTEMBER	1.990E-01	1.310E-04	2.800E-05	5.100E-05	-	5.000E-06	2.269E+04
OCTOBER	-	-	-	-	-	-	2.269E+04
NOVEMBER	7.700E-02	3.000E-06	2.000E-06	1.000E-06	-	1.940E-04	4.079E+03
DECEMBER	-	-	-	-	-	2.730E-04	2.269E+04
TOTAL	5.000E-01	1.720E-04	3.400E-05	1.130E-04	-	4.730E-04	1.175E+05
STD. DEV.	±1.016E-01	±5.915E-05	±1.446E-05	±3.214E-05	-	±1.369E-04	±7.601E+03

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID K PURGE TO 904-BRG										
	T	P-32	S-35	CR-51	CO-60	SR-89	SR-90	Y-91	ZR-95 NR-95	RU-103 106
JANUARY	1.053E-03	-	-	-	-	-	-	-	-	-
FEBRUARY	2.656E-02	-	-	-	-	-	-	-	-	-
MARCH	5.853E-02	-	-	-	-	-	-	-	-	-
APRIL	1.070E-01	-	-	-	-	-	-	-	-	-
MAY	2.967E-02	-	-	-	-	-	-	-	-	-
JUNE	8.669E+01	1.302E-04	1.442E-03	1.228E-03	3.845E-04	-	-	-	-	-
JULY	1.319E+03	-	1.052E-04	3.822E-03	2.270E-05	1.013E-05	1.013E-05	2.376E-05	-	-
AUGUST	6.565E+02	-	1.204E-02	3.911E-03	8.747E-04	-	-	-	1.042E-05	-
SEPTEMBER	9.858E-05	-	-	-	-	-	-	-	-	-
OCTOBER	4.142E+02	-	-	-	4.126E-04	-	-	-	4.830E-04	-
NOVEMBER	8.094E+02	4.216E-03	6.249E-04	-	8.323E-04	-	-	-	3.028E-03	-
DECEMBER	3.857E+02	-	3.289E-04	3.014E-03	2.289E-04	-	-	-	2.195E-03	-
TOTAL	4.257E+03	4.346E-03	1.454E-02	1.197E-02	2.755E-03	1.013E-05	1.013E-05	2.376E-05	5.716E-03	-
STD. DEV.	±4.249E+02	±2.889E-03	±5.132E-03	±1.244E-03	±3.356E-04	-	-	-	±1.420E-03	-

	SB-124 125	I-131	CS-134	CS-137	CE-141 144	PM-147	B OR G	ALPHA	VOLUME
JANUARY	-	-	-	-	-	-	-	3.942E-05	5.399E+04
FEBRUARY	-	-	-	-	-	-	-	-	5.449E+04
MARCH	-	-	-	-	-	-	-	3.682E-04	1.998E+05
APRIL	-	-	-	-	-	-	-	4.990E-08	4.989E+04
MAY	-	-	-	-	-	-	-	9.080E-08	4.539E+04
JUNE	2.575E-05	-	-	1.986E-04	-	-	2.850E-03	1.963E-05	1.599E+05
JULY	7.247E-05	-	-	8.439E-05	-	-	4.010E-05	3.576E-07	7.992E+05
AUGUST	1.186E-03	-	1.022E-05	2.134E-02	-	2.299E-03	1.715E-02	2.322E-04	1.491E+06
SEPTEMBER	-	-	-	-	-	-	-	1.060E-07	5.299E+04
OCTOBER	6.541E-04	-	-	4.152E-03	-	-	1.137E-03	9.660E-05	1.380E+06
NOVEMBER	2.269E-03	-	-	5.932E-03	1.824E-03	-	1.195E-03	1.440E-05	1.439E+06
DECEMBER	2.092E-04	-	-	4.248E-04	3.330E-04	-	5.844E-03	6.307E-05	8.350E+05
TOTAL	4.417E-03	-	1.022E-05	3.213E-02	2.157E-03	2.299E-03	3.219E-02	8.362E-04	6.962E+06
STD. DEV.	±8.698E-04	-	-	±8.197E-03	±1.054E-03	-	±6.043E-03	±1.190E-04	±6.051E+05

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID K PROCESS SEWER							
	T	CO-60	SR-90	CS-137	OTHER B OR G	ALPHA	WATER VOLUME
JANUARY	9.000E+00	-	-	-	-	-	4.659E+08
FEBRUARY	4.000E+00	-	-	-	-	1.000E-06	4.749E+08
MARCH	1.035E+01	-	-	-	-	-	3.299E+08
APRIL	8.000E+00	-	-	-	-	-	3.099E+08
MAY	5.000E+00	-	-	-	-	-	3.729E+08
JUNE	2.130E+01	-	-	-	-	-	4.079E+08
JULY	1.156E+01	-	-	-	-	1.310E-04	4.219E+08
AUGUST	4.101E+00	-	-	-	-	-	4.219E+08
SEPTEMBER	1.268E+00	-	-	-	-	-	1.079E+08
OCTOBER	3.780E+00	-	-	-	-	-	4.219E+08
NOVEMBER	1.419E+00	-	-	-	-	-	4.079E+08
DECEMBER	2.136E+00	-	-	-	-	-	4.199E+08
TOTAL	8.193E+01	-	-	-	-	1.320E-04	4.563E+09
STD. DEV.	±5.727E+00	-	-	-	-	±9.192E-05	±9.830E+07

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	LIQUID K RX HX COOLING W	
	T	WATER VOLUME
JANUARY	3.250E+02	2.659E+10
FEBRUARY	1.360E+02	2.249E+10
MARCH	4.120E+02	3.319E+10
APRIL	4.240E+02	2.659E+10
MAY	4.900E+02	3.319E+10
JUNE	1.570E+02	1.829E+10
JULY	5.500E+01	1.429E+10
AUGUST	3.750E+02	3.279E+10
SEPTEMBER	1.920E+02	2.239E+10
OCTOBER	2.950E+02	3.199E+10
NOVEMBER	2.620E+02	2.151E+10
DECEMBER	2.330E+02	2.529E+10
TOTAL	3.356E+03	3.087E+11
STD. DEV.	±1.315E+02	±6.235E+09

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	LIQUID 100-L TO STREAM							WATER VOLUME
	T	CO-60	SR-90	CS-134	CS-137	OTHER B OR G	ALPHA	
JANUARY	1.040E-01	-	-	-	2.480E-04	-	7.000E-06	2.099E+04
FEBRUARY	5.000E-02	7.800E-05	-	-	-	-	1.000E-06	4.799E+04
MARCH	8.500E-02	1.900E-05	-	-	1.000E-04	-	-	5.079E+02
APRIL	2.138E+00	5.680E-04	1.600E-05	-	2.300E-05	2.000E-06	3.000E-06	3.739E+04
MAY	-	-	-	-	-	-	-	-
JUNE	2.000E-02	1.380E-04	-	-	-	7.100E-05	2.000E-06	3.179E+05
JULY	4.000E-03	8.400E-04	-	-	-	-	1.000E-06	3.199E+04
AUGUST	2.750E-01	-	-	-	4.000E-04	-	5.000E-06	6.099E+03
SEPTEMBER	5.800E-02	5.000E-06	2.600E-05	-	1.700E-04	-	2.000E-06	2.639E+05
OCTOBER	4.900E-02	2.000E-04	-	-	-	-	-	1.599E+05
NOVEMBER	2.800E-02	-	-	-	-	-	1.000E-06	8.759E+04
DECEMBER	1.300E-02	4.000E-06	-	-	-	-	3.700E-05	1.729E+03
TOTAL	2.824E+00	1.852E-03	4.200E-05	-	4.460E-04	7.300E-05	5.900E-05	9.783E+05
STD. DEV.	±6.287E-01	±3.082E-04	±7.071E-06	-	±1.131E-04	±4.879E-05	±1.159E-05	±1.105E+05

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	LIQUID P PURGE TO SEEPAGE BASIN									
	T	P-32	S-35	CR-51	CO-60	SR-89	SR-90	Y-91	ZR-95 HR-95	RU-103 106
JANUARY	1.769E-01	-	-	-	-	-	-	-	-	-
FEBRUARY	7.325E+02	-	9.472E-03	6.275E-03	-	-	-	-	3.666E-03	-
MARCH	4.959E+02	4.066E-04	1.549E-02	7.359E-03	-	-	-	-	4.069E-03	-
APRIL	5.339E+02	-	-	-	-	-	-	-	-	-
MAY	7.410E+02	-	8.370E-04	3.374E-02	-	3.385E-04	7.875E-05	-	-	-
JUNE	5.175E+02	6.077E-04	-	1.802E-02	-	2.750E-04	-	-	1.812E-03	-
JULY	-	-	-	-	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-	-	-	-	-
SEPTEMBER	2.922E+02	1.927E-04	-	-	-	9.840E-05	3.280E-05	-	-	-
OCTOBER	-	-	-	-	-	-	-	-	-	-
NOVEMBER	1.885E-03	-	-	-	-	-	-	-	-	-
DECEMBER	7.606E+02	-	1.442E-02	1.325E-02	-	-	-	-	2.537E-03	-
TOTAL	4.074E+03	1.207E-03	4.023E-02	7.865E-02	-	7.119E-04	1.115E-04	-	1.208E-02	-
STD. DEV.	±2.967E+02	±2.075E-04	±6.683E-03	±1.112E-02	-	±1.244E-04	±3.249E-05	-	±1.034E-03	-

	SB-124 125	I-131	CS-134	CS-137	CE-141 144	PM-147	B OR G	ALPHA	VOLUME
JANUARY	-	-	-	-	-	-	-	3.400E-05	1.699E+05
FEBRUARY	8.251E-04	-	1.768E-03	9.375E-03	2.915E-03	-	2.091E-02	5.069E-04	3.699E+06
MARCH	5.434E-04	-	-	4.445E-03	4.935E-03	-	3.281E-02	5.404E-04	2.479E+06
APRIL	-	8.489E-03	-	3.110E-03	-	-	8.489E-03	6.480E-06	3.199E+06
MAY	3.178E-04	4.713E-03	-	7.834E-04	-	-	3.994E-02	1.154E-04	3.895E+06
JUNE	-	1.688E-03	-	-	3.327E-04	2.310E-04	2.266E-02	7.150E-05	2.749E+06
JULY	-	-	-	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-	-	-	-
SEPTEMBER	3.173E-04	1.613E-03	8.019E-04	7.830E-03	7.740E-04	-	2.995E-03	2.296E-05	8.199E+05
OCTOBER	-	-	-	-	-	-	-	-	4.079E+03
NOVEMBER	-	-	-	2.448E-04	-	-	3.821E-02	1.972E-04	2.799E+06
DECEMBER	-	-	-	2.579E-02	8.957E-03	2.310E-04	1.580E-01	1.495E-03	2.002E+07
TOTAL	2.003E-03	1.642E-02	2.570E-03	2.579E-02	±2.121E-03	-	±1.322E-02	±2.167E-04	±1.494E+06
STD. DEV.	±2.409E-04	±3.267E-03	±6.835E-04	±3.700E-03	±2.121E-03	-	±1.322E-02	±2.167E-04	±1.494E+06

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID PROCESS SEWER								
	T	CO-58.68	SR-90	CS-137	OTHER R OR Q	ALPHA	WATER VOLUME	
JANUARY	1.820E+02	-	-	-	-	-	1.899E+08	
FEBRUARY	1.000E+01	-	-	-	-	-	6.699E+08	
MARCH	9.286E+00	-	-	-	-	-	7.399E+08	
APRIL	1.350E+01	-	-	-	-	-	7.179E+08	
MAY	1.900E+01	-	-	-	-	-	6.399E+08	
JUNE	1.176E+01	-	-	-	-	-	4.219E+08	
JULY	8.512E+00	-	-	-	-	1.360E-04	4.399E+08	
AUGUST	6.228E+00	-	-	-	-	-	3.359E+08	
SEPTEMBER	1.630E-01	-	-	-	-	-	1.309E+07	
OCTOBER	5.400E+00	-	-	-	-	-	4.399E+08	
NOVEMBER	8.562E+00	-	-	-	-	-	5.449E+08	
DECEMBER	1.028E+02	-	-	-	-	-	6.399E+08	
TOTAL	3.771E+02	-	-	-	-	1.360E-04	5.814E+09	
STD. DEV.	±5.471E+01	-	-	-	-	-	±2.236E+08	

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID P.RX HX COOLING W			
	T	WATER VOLUME	
JANUARY	1.590E+02	2.659E+10	
FEBRUARY	2.130E+02	2.659E+10	
MARCH	2.350E+02	3.319E+10	
APRIL	1.590E+02	2.659E+10	
MAY	1.730E+02	3.319E+10	
JUNE	2.830E+02	2.659E+10	
JULY	3.680E+02	2.659E+10	
AUGUST	4.240E+02	3.219E+10	
SEPTEMBER	3.170E+02	2.659E+10	
OCTOBER	1.800E+02	2.829E+10	
NOVEMBER	9.100E+01	4.559E+09	
DECEMBER	2.050E+02	2.179E+10	
TOTAL	2.807E+03	3.128E+11	
STD. DEV.	±9.674E+01	±7.548E+09	

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 200-F STACKS				CURIES - (VOLUME, LITERS)						
	<u>T</u>	<u>CO-58</u>	<u>CO-60</u>	<u>SR-89</u> <u>90</u>	<u>ZR-95</u>	<u>NR-95</u>	<u>RU-103</u>	<u>RU-106</u>	<u>I-131</u>	<u>CS-134</u>
JANUARY	-	-	-	1.680E-04	4.070E-04	1.019E-03	1.610E-04	5.580E-04	3.090E-04	-
FEBRUARY	-	-	-	1.240E-04	6.180E-04	1.103E-03	1.410E-04	4.420E-04	7.480E-04	-
MARCH	-	-	-	2.110E-04	6.670E-04	1.714E-03	2.190E-04	6.370E-04	3.622E-03	-
APRIL	-	-	-	3.270E-04	1.917E-03	3.594E-03	4.450E-04	9.670E-04	1.800E-02	-
MAY	-	-	-	2.820E-04	1.161E-03	2.252E-03	4.300E-04	1.028E-03	4.543E-03	2.000E-06
JUNE	-	-	-	1.430E-04	4.570E-04	7.350E-04	1.520E-04	4.700E-04	1.988E-03	2.000E-06
JULY	-	-	-	3.590E-04	1.499E-03	1.740E-03	2.670E-04	7.380E-04	1.069E-02	-
AUGUST	-	-	-	3.450E-04	6.798E-04	1.144E-03	1.590E-04	3.620E-04	5.731E-03	-
SEPTEMBER	-	-	-	2.300E-04	2.610E-04	1.660E-04	5.500E-05	1.960E-04	6.990E-03	-
OCTOBER	-	-	-	2.080E-04	1.022E-03	9.110E-04	7.100E-05	1.550E-04	4.789E-03	-
NOVEMBER	-	-	-	8.000E-06	1.220E-04	1.040E-04	1.700E-05	1.800E-05	8.600E-05	-
DECEMBER	-	-	-	5.000E-06	1.740E-04	2.060E-04	1.020E-04	2.950E-04	1.174E-02	-
TOTAL	-	-	-	2.410E-03	8.984E-03	1.468E-02	2.219E-03	5.866E-03	8.925E-02	4.000E-06
STD. DEV.	-	-	-	±1.187E-04	±5.530E-04	±9.995E-04	±1.364E-04	±3.138E-04	±5.393E-03	-

	<u>CS-137</u>	<u>CE-141</u>	<u>CE-144</u>	<u>OTHER</u> <u>R OR Q</u>	<u>AM-241</u> <u>243</u>	<u>CM-242</u> <u>244</u>	<u>U-235</u> <u>238</u>	<u>PU-238</u> <u>239</u>	<u>PU-238</u>	<u>PU-239</u>
JANUARY	4.700E-05	2.300E-05	5.180E-04	5.000E-06	2.000E-05	1.900E-05	1.029E-03	2.060E-04	1.050E-04	1.030E-04
FEBRUARY	5.200E-05	3.200E-05	6.740E-04	-	1.700E-05	1.400E-05	6.100E-04	1.120E-04	5.400E-05	5.800E-05
MARCH	7.500E-05	3.600E-05	6.440E-04	-	1.100E-05	1.600E-05	2.690E-04	5.500E-05	2.300E-05	3.200E-05
APRIL	1.360E-04	1.520E-04	2.043E-03	-	1.000E-05	3.300E-05	3.280E-04	6.100E-05	3.300E-05	2.800E-05
MAY	7.800E-05	5.800E-05	5.560E-04	-	9.000E-06	3.200E-05	3.110E-04	2.490E-04	1.530E-04	9.600E-05
JUNE	4.200E-05	1.600E-05	2.350E-04	-	9.000E-06	3.000E-05	2.490E-04	5.500E-05	3.000E-05	2.500E-05
JULY	1.070E-04	4.600E-05	5.690E-04	-	2.700E-05	1.220E-04	3.280E-04	5.400E-05	5.100E-05	4.500E-05
AUGUST	9.800E-05	6.200E-05	7.240E-04	-	7.000E-06	4.300E-05	1.740E-04	5.600E-05	2.400E-05	3.200E-05
SEPTEMBER	4.600E-05	-	7.000E-06	-	9.000E-06	3.800E-05	1.440E-04	5.100E-05	2.300E-05	2.800E-05
OCTOBER	7.700E-05	-	5.300E-05	-	1.400E-05	6.500E-05	2.300E-04	4.500E-05	2.300E-05	2.200E-05
NOVEMBER	2.000E-06	-	7.000E-06	-	9.000E-06	5.000E-06	1.690E-04	3.500E-05	1.900E-05	1.600E-05
DECEMBER	-	-	1.400E-05	-	1.000E-05	4.300E-05	4.820E-04	4.400E-05	3.000E-05	1.400E-05
TOTAL	7.580E-04	4.250E-04	6.266E-03	5.000E-06	1.520E-04	4.600E-04	4.243E-03	1.065E-03	5.660E-04	4.990E-04
STD. DEV.	±3.668E-05	±4.301E-05	±5.750E-04	-	±5.898E-06	±3.084E-05	±2.469E-04	±6.900E-05	±4.073E-05	±2.960E-05

		AIR VOLUME
JANUARY		4.276E+11
FEBRUARY		3.421E+11
MARCH		3.421E+11
APRIL		3.421E+11
MAY		4.276E+11
JUNE		3.421E+11
JULY		4.276E+11
AUGUST		3.421E+11
SEPTEMBER		4.276E+11
OCTOBER		3.421E+11
NOVEMBER		3.421E+11
DECEMBER		4.447E+12
TOTAL		4.211E+10
STD. DEV.		

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

**ATMOSPHERIC
200-M STACKS**

	<u>T</u>	<u>CQ-58</u>	<u>CQ-60</u>	<u>SR-89 90</u>	<u>ZR-95</u>	<u>NB-95</u>	<u>RU-103</u>	<u>RU-106</u>	<u>I-131</u>	<u>CS-134</u>
JANUARY	2.427E+04	-	-	-	2.090E-04	1.400E-04	1.520E-04	7.650E-04	1.780E-04	3.000E-06
FEBRUARY	2.454E+04	-	-	-	2.330E-04	3.890E-04	6.600E-05	4.550E-04	1.710E-04	-
MARCH	2.481E+04	-	-	9.000E-06	1.210E-04	2.200E-04	1.340E-04	1.327E-03	3.460E-04	2.000E-06
APRIL	2.539E+04	-	-	4.400E-05	2.710E-04	3.810E-04	2.740E-04	6.950E-04	1.300E-03	4.000E-06
MAY	3.314E+04	-	-	9.100E-05	4.650E-04	6.300E-04	6.455E-03	1.319E-02	5.620E-04	3.000E-06
JUNE	2.928E+04	-	-	3.700E-05	2.150E-04	4.280E-04	7.207E-03	2.126E-02	2.000E-05	3.000E-06
JULY	8.397E+04	-	-	5.600E-05	2.340E-04	5.450E-04	9.600E-04	5.232E-03	1.532E-03	1.400E-05
AUGUST	3.349E+04	-	-	2.500E-05	1.430E-04	2.520E-04	9.950E-04	7.821E-03	3.280E-04	1.400E-05
SEPTEMBER	3.871E+04	-	-	2.500E-05	5.300E-05	8.900E-05	1.221E-03	1.192E-02	4.500E-05	4.000E-06
OCTOBER	2.968E+04	-	-	1.200E-05	8.900E-05	1.090E-04	5.200E-04	1.011E-02	5.720E-04	3.000E-06
NOVEMBER	2.947E+04	-	-	1.200E-05	1.050E-04	5.900E-05	6.700E-05	1.686E-03	1.200E-04	2.000E-06
DECEMBER	2.819E+04	-	-	6.000E-06	7.000E-05	5.600E-05	6.500E-05	8.770E-04	1.500E-04	-
TOTAL	4.079E+05	-	-	3.170E-04	2.208E-03	3.298E-03	1.811E-02	7.535E-02	5.324E-03	5.200E-05
STD. DEV.	±1.634E+04	-	-	±2.651E-05	±1.144E-04	±1.965E-04	±2.523E-03	±6.692E-03	±4.904E-04	±4.685E-06

	<u>CS-137</u>	<u>CE-141</u>	<u>CE-144</u>	<u>OTHER R OR G</u>	<u>AM-241 243</u>	<u>CM-242 244</u>	<u>U-235 238</u>	<u>PU-238 239</u>	<u>PU-238</u>	<u>PU-239</u>
JANUARY	2.000E-05	-	2.270E-04	-	4.000E-06	2.000E-06	3.600E-05	1.110E-04	8.500E-05	2.600E-05
FEBRUARY	2.000E-05	3.100E-05	2.490E-04	-	1.000E-05	1.000E-05	1.400E-05	2.430E-04	1.820E-04	6.200E-05
MARCH	1.600E-05	-	1.910E-04	-	3.000E-06	3.000E-06	1.300E-05	1.340E-04	1.220E-04	1.200E-05
APRIL	1.800E-05	4.000E-06	2.250E-04	-	8.000E-06	-	1.200E-05	1.550E-04	1.440E-04	1.100E-05
MAY	3.600E-05	4.000E-06	3.100E-04	-	1.700E-05	1.600E-05	2.900E-05	4.990E-04	4.890E-04	1.000E-05
JUNE	2.200E-05	-	1.900E-04	-	2.200E-05	-	1.700E-05	2.240E-04	1.740E-04	5.800E-05
JULY	2.600E-05	6.000E-06	4.290E-04	-	6.000E-06	4.000E-06	2.500E-05	1.710E-04	1.640E-04	7.000E-06
AUGUST	3.300E-05	-	2.260E-04	-	3.000E-06	-	1.300E-05	1.500E-04	1.410E-04	9.800E-06
SEPTEMBER	2.100E-05	-	2.050E-04	-	5.000E-06	-	8.000E-06	9.900E-05	9.500E-05	4.000E-06
OCTOBER	9.000E-06	-	1.210E-04	3.200E-05	7.000E-06	1.000E-06	1.200E-05	1.790E-04	1.690E-04	1.000E-05
NOVEMBER	8.000E-06	-	1.630E-04	-	2.000E-05	6.000E-06	3.000E-05	2.380E-04	2.270E-04	1.100E-05
DECEMBER	7.000E-06	-	7.700E-05	-	-	4.000E-06	9.000E-06	7.100E-05	6.200E-05	9.000E-06
TOTAL	2.360E-04	4.500E-05	2.613E-03	3.200E-05	1.050E-04	4.600E-05	2.180E-04	2.274E-03	2.054E-03	2.210E-04
STD. DEV.	±9.138E-06	±1.320E-05	±8.951E-05	-	±6.919E-06	±4.978E-06	±9.330E-06	±1.115E-04	±1.101E-04	±1.849E-05

**AIR
VOLUME**

JANUARY	2.854E+11
FEBRUARY	2.565E+11
MARCH	2.283E+11
APRIL	2.283E+11
MAY	2.854E+11
JUNE	1.712E+11
JULY	2.854E+11
AUGUST	2.283E+11
SEPTEMBER	2.283E+11
OCTOBER	2.854E+11
NOVEMBER	2.283E+11
DECEMBER	2.283E+11
TOTAL	2.939E+12
STD. DEV.	±3.539E+10

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

**LIQUID
200-F SEEPAGE BASIN**

	<u>I</u>	<u>CR-51</u>	<u>CO-58</u>	<u>CO-60</u>	<u>SR-89</u> <u>90</u>	<u>SR-89</u>	<u>SR-90</u>	<u>ZR-95</u>	<u>HD-95</u>	<u>RU-103</u>
JANUARY	2.941E+02	-	-	-	1.470E-03	-	1.000E-03	2.028E-01	2.122E-01	2.069E-02
FEBRUARY	4.018E+02	-	-	-	5.577E-03	1.000E-03	5.000E-03	2.462E-01	1.483E-01	2.021E-02
MARCH	6.924E+02	-	-	-	8.690E-04	-	1.000E-03	2.359E-01	1.825E-01	7.529E-03
APRIL	6.106E+02	-	-	-	7.853E-03	3.000E-03	4.000E-03	1.862E-01	1.068E-01	4.437E-02
MAY	5.150E+02	-	-	-	2.092E-03	1.000E-03	1.000E-03	8.427E-02	5.160E-02	1.926E-02
JUNE	1.155E+03	-	-	-	7.106E-04	-	1.000E-03	6.075E-02	4.559E-02	5.328E-02
JULY	3.426E+02	-	-	-	6.527E-04	-	1.000E-03	6.795E-02	4.028E-02	1.751E-02
AUGUST	9.137E+02	-	-	-	9.469E-04	-	1.000E-03	1.161E-01	7.770E-02	5.310E-02
SEPTEMBER	7.675E+02	-	-	-	3.698E-03	1.000E-03	3.000E-03	1.684E-01	1.421E-01	2.447E-02
OCTOBER	4.712E+02	-	-	-	1.406E-03	-	1.000E-03	3.424E-01	1.778E-01	1.808E-02
NOVEMBER	4.031E+02	-	-	-	8.896E-04	-	1.000E-03	1.621E+00	1.605E+00	2.142E-03
DECEMBER	9.143E+02	-	-	-	3.056E-03	-	3.000E-03	2.928E-01	1.992E-01	2.864E-02
TOTAL	7.481E+03	-	-	-	2.922E-02	6.000E-03	2.300E-02	3.631E+00	2.985E+00	3.093E-01
STD. DEV.	±2.691E+02	-	-	-	±2.266E-03	±9.999E-04	±1.443E-03	±4.247E-01	±4.315E-01	±1.645E-02

	<u>RU-106</u>	<u>I-131</u>	<u>CS-134</u>	<u>CS-137</u>	<u>CE-141</u>	<u>CE-144</u>	<u>PM-147</u>	<u>OTHER</u> <u>B OR G</u>	<u>AM-241</u> <u>243</u>	<u>CM-242</u> <u>246</u>
JANUARY	9.137E-02	-	6.294E-04	3.335E-02	-	1.886E-03	4.000E-03	-	5.939E-04	5.911E-04
FEBRUARY	7.684E-02	-	-	4.246E-02	-	2.059E-03	-	-	2.556E-04	3.511E-04
MARCH	3.141E-02	-	-	5.359E-02	-	1.038E-03	1.000E-03	-	4.619E-04	7.064E-04
APRIL	1.102E-01	3.753E-03	-	1.473E-01	-	-	-	-	2.339E-04	1.164E-03
MAY	4.781E-02	-	-	1.437E-01	-	8.342E-04	-	-	8.151E-05	6.235E-04
JUNE	1.148E-01	2.432E-03	-	2.640E-02	-	2.779E-03	-	-	1.924E-04	4.404E-04
JULY	3.860E-02	3.951E-03	-	2.155E-02	-	-	-	-	5.066E-04	3.667E-04
AUGUST	9.619E-02	2.935E-03	-	3.519E-02	-	-	4.000E-03	-	1.242E-04	1.184E-03
SEPTEMBER	6.301E-02	1.205E-03	-	5.394E-02	-	1.902E-03	-	-	3.730E-04	6.861E-04
OCTOBER	3.610E-02	2.043E-03	-	3.025E-02	-	-	-	-	1.432E-04	7.913E-04
NOVEMBER	4.703E-03	-	-	1.253E-01	-	-	-	6.496E-03	1.643E-03	1.979E-03
DECEMBER	6.568E-02	2.232E-03	-	1.780E-02	-	2.006E-03	-	3.164E-04	2.365E-03	6.956E-04
TOTAL	7.768E-01	1.775E-02	6.294E-04	7.309E-01	-	1.250E-02	9.000E-03	3.633E-04	5.348E-03	9.580E-03
STD. DEV.	±3.429E-02	±8.782E-04	-	±4.850E-02	-	±6.582E-04	±1.732E-03	±1.763E-04	±6.305E-04	±4.569E-04

	<u>U-235</u> <u>238</u>	<u>PU-238</u>	<u>PU-239</u>	<u>TOTAL</u> <u>ALPHA</u>	<u>WATER</u> <u>VOLUME</u>
JANUARY	2.272E-02	2.488E-03	1.586E-03	2.798E-02	8.119E+06
FEBRUARY	1.665E-02	4.484E-04	4.282E-04	1.813E-02	7.729E+06
MARCH	6.860E-03	7.932E-04	1.499E-04	8.972E-03	7.029E+06
APRIL	1.136E-02	6.558E-04	5.332E-04	1.394E-02	7.369E+06
MAY	8.688E-04	4.030E-04	1.489E-04	2.126E-03	4.389E+06
JUNE	1.131E-03	2.965E-04	2.479E-04	2.309E-03	5.319E+06
JULY	3.722E-04	8.188E-04	3.295E-04	2.394E-03	3.929E+06
AUGUST	1.504E-03	1.072E-03	4.410E-04	4.327E-03	4.269E+06
SEPTEMBER	9.937E-04	7.069E-04	2.980E-03	5.740E-03	5.679E+06
OCTOBER	1.074E-03	2.693E-04	1.553E-04	2.434E-03	5.759E+06
NOVEMBER	9.996E-04	3.383E-04	1.381E-04	3.471E-03	5.619E+06
DECEMBER	3.671E-03	4.532E-04	3.991E-04	7.901E-03	8.509E+06
TOTAL	6.821E-02	8.745E-03	7.538E-03	9.974E-02	7.372E+07
STD. DEV.	±7.404E-03	±6.064E-04	±8.389E-04	±8.009E-03	±1.569E+06

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID
200-H SEEPAGE BASIN

	T	CR-51	CO-58	CO-60	ZH-65	SR-89 90	SR-89	SR-90	ZR-95	HB-95
JANUARY	8.066E+02	3.521E-03	-	2.276E-03	5.624E-03	6.209E-02	3.500E-02	2.700E-02	4.632E-03	7.370E-03
FEBRUARY	1.410E+02	3.044E-01	1.722E-03	4.107E-02	1.531E-04	1.107E-02	2.000E-03	9.000E-03	4.616E-05	3.423E-03
MARCH	5.352E+02	-	8.432E-04	6.341E-04	1.812E-03	1.381E-03	-	1.000E-03	5.925E-03	1.267E-02
APRIL	9.090E+02	1.719E-01	1.278E-03	6.084E-02	-	2.365E-03	-	3.000E-03	1.162E-03	1.353E-03
MAY	9.638E+02	1.952E-01	8.844E-03	5.038E-02	1.563E-02	1.128E-01	3.600E-02	9.200E-02	4.491E-02	4.658E-02
JUNE	1.481E+03	1.030E-01	3.000E-03	1.800E-02	6.000E-03	2.483E-02	3.000E-03	4.000E-03	1.300E-02	1.700E-02
JULY	3.380E+02	3.112E-01	4.268E-03	4.083E-02	3.322E-02	9.311E-02	-	3.500E-02	2.483E-02	8.922E-02
AUGUST	7.643E+02	-	-	1.297E-03	7.377E-04	4.590E-03	-	4.000E-03	9.339E-03	2.476E-02
SEPTEMBER	2.157E+03	-	-	-	1.812E-03	9.602E-03	4.000E-03	6.000E-03	1.380E-03	-
OCTOBER	1.685E+03	-	1.274E-03	3.515E-03	4.825E-03	1.247E-02	-	1.200E-02	3.896E-02	3.648E-02
NOVEMBER	1.140E+03	-	-	-	1.403E-03	1.233E-03	-	1.000E-03	1.125E-03	2.137E-03
DECEMBER	2.027E+03	-	-	2.830E-03	2.130E-02	5.159E-03	-	5.000E-03	1.956E-03	6.087E-03
TOTAL	1.295E+04	1.089E+00	2.123E-02	2.217E-01	9.453E-02	3.407E-01	8.000E-02	1.990E-01	1.472E-01	2.471E-01
STD. DEV.	±6.421E+02	±1.183E-01	±2.827E-03	±2.364E-02	±1.085E-02	±3.887E-02	±1.781E-02	±2.601E-02	±1.556E-02	±2.661E-02

	RU-103	RU-106	SB-124 125	I-131	CS-134	CS-137	CE-141	CE-144	PM-147	OTHER R OR G
JANUARY	1.884E-03	5.839E-02	1.597E-04	-	1.640E-03	2.970E-02	-	1.568E-02	2.800E-02	4.536E-03
FEBRUARY	8.138E-03	2.310E-01	1.533E-02	-	4.954E-03	2.343E-01	-	2.265E-03	-	2.302E-02
MARCH	8.390E-03	8.447E-02	-	-	-	5.338E-02	-	4.459E-03	2.000E-03	9.506E-03
APRIL	5.256E-03	2.265E-01	1.969E-02	-	3.672E-03	1.475E-01	-	5.250E-03	-	3.745E-03
MAY	3.424E-02	4.947E-01	2.658E-02	1.440E-03	1.358E-02	2.009E-01	2.887E-03	1.493E-01	-	1.071E-02
JUNE	1.900E-02	1.550E-01	-	-	3.000E-03	1.320E-01	-	1.300E-02	1.300E-02	1.200E-02
JULY	2.864E-02	2.138E-01	-	-	8.367E-03	1.963E-01	3.016E-03	2.371E-02	-	2.956E-02
AUGUST	6.025E-03	7.693E-02	-	-	2.540E-03	1.495E-01	-	1.394E-02	1.200E-02	9.981E-03
SEPTEMBER	3.755E-03	1.170E-01	2.814E-03	-	9.210E-03	3.460E-01	-	1.672E-02	-	6.104E-03
OCTOBER	6.683E-03	1.981E-01	-	-	2.193E-02	3.565E-01	-	9.585E-02	-	6.045E-03
NOVEMBER	-	1.759E-02	-	-	2.655E-03	1.215E-01	-	1.837E-03	-	2.259E-03
DECEMBER	-	2.816E-02	-	-	1.186E-02	5.088E-01	-	-	-	3.265E-02
TOTAL	1.222E-01	1.902E+00	6.458E-02	1.440E-03	8.342E-02	2.476E+00	5.903E-03	3.420E-01	5.500E-02	1.521E-01
STD. DEV.	±1.118E-02	±1.308E-01	±1.121E-02	-	±6.258E-03	±1.376E-01	±9.067E-05	±4.728E-02	±1.071E-02	±1.010E-02

	AM-241 243	CM-242 244	U-235 238	PU-238	PU-239	TOTAL ALPHA	WATER VOLUME
JANUARY	1.871E-04	3.574E-05	2.023E-04	3.153E-04	2.456E-04	9.861E-04	1.844E+07
FEBRUARY	1.396E-04	1.691E-04	3.342E-04	1.041E-03	7.379E-04	2.422E-03	2.738E+07
MARCH	1.953E-04	1.970E-04	2.372E-04	1.062E-03	8.515E-05	1.777E-03	7.499E+06
APRIL	5.063E-04	5.957E-04	1.339E-04	3.236E-04	4.854E-05	1.608E-03	9.519E+06
MAY	4.021E-03	1.367E-03	6.325E-04	4.392E-03	3.676E-04	1.078E-02	9.519E+06
JUNE	-	-	-	2.000E-03	-	6.000E-03	2.233E+07
JULY	3.997E-03	1.276E-03	9.012E-04	1.086E-02	4.148E-04	1.745E-02	1.870E+07
AUGUST	2.719E-04	1.881E-04	7.216E-04	4.005E-03	8.124E-05	5.268E-03	1.596E+07
SEPTEMBER	5.490E-04	1.814E-04	2.745E-04	1.357E-03	1.840E-04	2.546E-03	3.087E+07
OCTOBER	6.036E-04	4.866E-04	9.675E-05	1.950E-03	8.660E-05	3.222E-03	8.969E+06
NOVEMBER	2.356E-04	1.616E-04	5.032E-05	3.459E-04	5.300E-05	8.465E-04	1.645E+07
DECEMBER	5.376E-04	1.315E-04	1.754E-04	6.087E-04	7.962E-05	1.533E-03	1.417E+07
TOTAL	1.124E-02	4.789E-03	3.760E-03	2.826E-02	2.384E-03	5.444E-02	2.000E+08
STD. DEV.	±1.486E-03	±4.673E-04	±2.815E-04	±3.006E-03	±2.149E-04	±4.935E-03	±7.463E+06

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID
200-F EFFLUENT

	T	SR-89 90	CS-134 137	OTHER R OR G	TOTAL ALPHA
JANUARY	1.099E+00	7.200E-04	1.440E-03	2.930E-03	1.900E-04
FEBRUARY	1.029E+00	3.000E-04	2.070E-03	1.000E-03	2.500E-04
MARCH	1.029E+00	2.700E-04	1.910E-03	1.660E-03	2.400E-04
APRIL	5.300E-01	8.900E-04	3.560E-04	1.550E-03	1.270E-03
MAY	9.100E-01	-	1.290E-03	2.390E-03	5.900E-04
JUNE	1.269E+00	1.900E-04	-	1.620E-03	1.500E-04
JULY	1.989E+00	7.500E-04	1.050E-03	1.570E-03	1.900E-04
AUGUST	2.719E+00	6.500E-04	1.300E-03	1.120E-03	2.900E-04
SEPTEMBER	2.399E+00	6.100E-04	1.220E-03	2.740E-03	2.300E-04
OCTOBER	1.399E+00	4.700E-04	7.000E-04	1.070E-03	2.500E-04
NOVEMBER	1.219E+00	3.200E-04	7.800E-04	1.200E-04	4.000E-04
DECEMBER	1.339E+00	3.900E-04	3.900E-04	1.260E-03	4.000E-04
TOTAL	1.639E+01	3.740E-03	1.250E-02	1.903E-02	4.450E-03
STD. DEV.	±5.524E-01	±2.222E-04	±5.577E-04	±7.905E-04	±3.082E-04

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	LIQUID 200-H EFFLUENT		CS-134 137	OTHER R OR G	TOTAL ALPHA	WATER VOLUME
	T	SR-89 90				
JANUARY	4.109E+00	3.200E-04	1.690E-03	8.370E-03	7.000E-05	1.035E+07
FEBRUARY	4.579E+00	3.900E-04	1.170E-03	3.150E-03	5.000E-05	7.787E+07
MARCH	6.129E+00	5.200E-04	1.050E-03	4.900E-04	9.000E-05	8.750E+07
APRIL	3.849E+00	6.400E-04	2.380E-03	-	1.000E-04	9.167E+07
MAY	5.139E+00	9.600E-04	2.210E-03	-	6.000E-05	9.597E+07
JUNE	5.247E+01	-	5.485E-02	-	4.000E-04	8.150E+07
JULY	8.659E+00	2.900E-04	1.234E-02	-	2.200E-04	7.171E+07
AUGUST	6.779E+00	4.000E-04	7.485E-03	-	1.600E-04	9.979E+07
SEPTEMBER	1.113E+01	9.000E-05	3.424E-03	-	5.000E-05	8.780E+07
OCTOBER	8.809E+00	1.200E-04	2.260E-03	-	7.000E-05	1.259E+08
NOVEMBER	5.929E+00	2.200E-04	6.600E-04	8.000E-05	8.000E-05	1.102E+08
DECEMBER	1.246E+01	2.000E-04	2.740E-02	-	2.000E-05	9.912E+07
TOTAL	1.300E+02	4.150E-03	1.169E-01	1.209E-02	1.370E-03	1.039E+09
STD. DEV.	±1.339E+01	±2.540E-04	±1.613E-02	±3.815E-03	±1.048E-04	±2.806E+07

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 311-M	
	U-238	AIR VOLUME
JANUARY	-	7.438E+10
FEBRUARY	1.840E-07	7.438E+10
MARCH	1.510E-07	7.438E+10
APRIL	2.560E-06	7.438E+10
MAY	1.320E-07	7.438E+10
JUNE	1.080E-06	7.438E+10
JULY	-	7.438E+10
AUGUST	4.190E-07	7.438E+10
SEPTEMBER	-	7.438E+10
OCTOBER	-	7.438E+10
NOVEMBER	-	7.438E+10
DECEMBER	-	7.438E+10
TOTAL	4.526E-06	8.925E+11
STD. DEV.	±9.545E-07	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 321-M	
	TOTAL ALPHA	AIR VOLUME
JANUARY	-	3.744E+10
FEBRUARY	7.300E-08	3.744E+10
MARCH	-	3.744E+10
APRIL	9.900E-08	3.744E+10
MAY	-	3.744E+10
JUNE	3.670E-07	3.744E+10
JULY	4.700E-08	3.744E+10
AUGUST	6.600E-08	3.744E+10
SEPTEMBER	-	3.744E+10
OCTOBER	6.200E-08	3.744E+10
NOVEMBER	-	3.744E+10
DECEMBER	3.540E-07	3.744E+10
TOTAL	1.068E-06	4.492E+11
STD. DEV.	±1.429E-07	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 322-M STACKS	
	TOTAL ALPHA	AIR VOLUME
JANUARY	-	6.199E+07
FEBRUARY	-	6.199E+07
MARCH	1.200E-08	6.199E+07
APRIL	-	6.199E+07
MAY	-	6.199E+07
JUNE	1.600E-08	6.199E+07
JULY	-	6.199E+07
AUGUST	8.800E-08	6.199E+07
SEPTEMBER	-	6.199E+07
OCTOBER	-	6.199E+07
NOVEMBER	-	6.199E+07
DECEMBER	-	6.199E+07
TOTAL	1.460E-07	7.438E+08
STD. DEV.	±3.646E-08	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID	
<u>TIME BRANCH M EFF</u>	
<u>U-235</u>	
<u>238</u>	
JANUARY	1.421E-03
FEBRUARY	3.559E-03
MARCH	1.642E-03
APRIL	7.530E-04
MAY	1.732E-03
JUNE	1.897E-03
JULY	1.519E-03
AUGUST	1.448E-03
SEPTEMBER	5.330E-04
OCTOBER	1.232E-03
NOVEMBER	9.480E-04
DECEMBER	6.430E-04
TOTAL	1.732E-02
STD. DEV.	±8.002E-04

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID	
<u>100-M SEEPAGE BASIN</u>	
<u>U-235</u>	
<u>238</u>	
<u>WATER</u>	
<u>VOLUME</u>	
JANUARY	1.031E-01 5.188E+07
FEBRUARY	4.119E-02 3.790E+07
MARCH	1.198E-02 3.791E+07
APRIL	7.847E-03 3.174E+07
MAY	4.430E-02 5.245E+07
JUNE	3.919E-02 4.296E+07
JULY	7.182E-03 3.042E+07
AUGUST	1.370E-02 4.621E+07
SEPTEMBER	7.305E-03 3.635E+07
OCTOBER	4.028E-02 5.686E+07
NOVEMBER	3.409E-02 4.337E+07
DECEMBER	5.798E-02 4.335E+07
TOTAL	4.090E-01 5.115E+08
STD. DEV.	±2.796E-02 ±8.258E+06

- LESS THAN SENSITIVITY OF ANALYSES

420-D AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID	
<u>420-D</u>	
<u>T</u>	
<u>SR-89.90</u>	
<u>CS-134</u>	
<u>137</u>	
<u>OTHER</u>	
<u>R OR Q</u>	
<u>TOTAL</u>	
<u>ALPHA</u>	
<u>WATER</u>	
<u>VOLUME</u>	
JANUARY	5.30E+01 - - - 7.000E-06 1.499E+04
FEBRUARY	2.25E+02 - - - - 2.099E+04
MARCH	3.325E+02 - - - - 2.499E+04
APRIL	1.725E+02 - - - - 1.899E+04
MAY	4.095E+01 - - - - 3.199E+03
JUNE	- - - - - -
JULY	1.928E+03 - - - - 4.331E+09
AUGUST	- - - - - -
SEPTEMBER	- - - - - -
OCTOBER	- - - - - -
NOVEMBER	- - - - - -
DECEMBER	2.507E+01 - 1.000E-06 - 7.399E+00
TOTAL	2.775E+03 - 1.000E-06 - 4.332E+09
STD. DEV.	±6.845E+02 - - ±1.637E+09

- LESS THAN SENSITIVITY OF ANALYSES

420-D AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

ATMOSPHERIC	
<u>420-D</u>	
<u>T</u>	
<u>AIR</u>	
<u>VOLUME</u>	
JANUARY	7.000E+01 6.819E+09
FEBRUARY	5.000E+01 6.819E+09
MARCH	6.000E+01 6.819E+09
APRIL	4.000E+01 6.819E+09
MAY	7.000E+01 6.819E+09
JUNE	5.000E+01 6.819E+09
JULY	6.000E+01 6.819E+09
AUGUST	4.000E+01 6.819E+09
SEPTEMBER	7.000E+01 6.819E+09
OCTOBER	5.000E+01 6.819E+09
NOVEMBER	6.000E+01 6.819E+09
DECEMBER	4.000E+01 6.819E+09
TOTAL	6.600E+02 8.182E+10
STD. DEV.	±1.167E+01 -

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	LIQUID 421-2D		CS-134 137	OTHER R OR G	TOTAL ALPHA	WATER VOLUME
	T	SR- 89,90				
JANUARY	8.775E+01	-	-	3.023E-03	3.300E-05	1.169E+05
FEBRUARY	3.834E+01	-	-	-	-	5.899E+04
MARCH	1.389E+01	-	-	1.440E-03	-	1.389E+05
APRIL	6.369E+01	-	-	-	-	5.899E+04
MAY	3.300E+01	-	-	-	-	1.099E+05
JUNE	-	-	-	-	-	-
JULY	-	-	-	-	-	5.749E+04
AUGUST	3.135E+01	-	-	-	-	6.029E+04
SEPTEMBER	6.219E+01	-	-	2.800E-04	-	1.299E+05
OCTOBER	5.389E+01	-	-	1.536E-03	-	1.099E+05
NOVEMBER	4.319E+00	-	-	9.720E-04	-	5.399E+04
DECEMBER	1.979E+01	-	9.900E-05	1.230E-03	5.000E-05	1.099E+05
TOTAL	4.082E+02	-	9.900E-05	8.481E-03	1.030E-04	1.005E+06
STD. DEV.	±2.584E+01	-	-	±9.077E-04	±2.121E-06	±3.326E+04

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 421-2D	
	T	AIR VOLUME
JANUARY	4.000E+01	1.050E+10
FEBRUARY	7.000E+01	1.050E+10
MARCH	6.000E+01	1.050E+10
APRIL	5.000E+01	1.050E+10
MAY	4.000E+01	1.050E+10
JUNE	7.000E+01	1.050E+10
JULY	6.000E+01	1.050E+10
AUGUST	5.000E+01	1.050E+10
SEPTEMBER	4.000E+01	1.050E+10
OCTOBER	4.000E+01	1.050E+10
NOVEMBER	5.000E+01	1.050E+10
DECEMBER	6.000E+01	1.050E+10
TOTAL	6.300E+02	1.280E+11
STD. DEV.	±1.138E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	LIQUID 772-D		CS-134 137	OTHER R OR G	TOTAL ALPHA	WATER VOLUME
	T	SR- 89,90				
JANUARY	7.853E+01	-	-	-	-	4.619E+05
FEBRUARY	1.385E+02	-	-	4.919E-03	-	4.199E+05
MARCH	6.009E+01	-	-	-	4.160E-04	4.619E+05
APRIL	4.109E+01	-	-	-	-	4.469E+05
MAY	4.159E+01	-	-	-	-	4.619E+05
JUNE	5.809E+01	-	-	-	-	4.469E+05
JULY	-	-	-	-	-	4.619E+05
AUGUST	9.239E+01	-	-	-	-	4.619E+05
SEPTEMBER	8.050E+01	-	1.810E-04	-	-	4.469E+05
OCTOBER	6.929E+01	-	-	-	-	4.619E+05
NOVEMBER	2.679E+01	-	8.050E-04	-	-	4.469E+05
DECEMBER	3.700E+01	-	-	-	-	4.619E+05
TOTAL	7.240E+02	-	9.860E-04	4.919E-03	4.160E-04	5.441E+06
STD. DEV.	±3.167E+01	-	±4.412E-04	-	-	±1.278E+04

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 772-D	
	T	AIR VOLUME
JANUARY	7.000E+01	9.174E+09
FEBRUARY	4.000E+01	9.174E+09
MARCH	3.000E+01	9.174E+09
APRIL	6.000E+01	9.174E+09
MAY	7.000E+01	9.174E+09
JUNE	4.000E+01	9.174E+09
JULY	3.000E+01	9.174E+09
AUGUST	6.000E+01	9.174E+09
SEPTEMBER	7.000E+01	9.174E+09
OCTOBER	7.000E+01	9.174E+09
NOVEMBER	6.000E+01	9.174E+09
DECEMBER	5.000E+01	9.174E+09
TOTAL	6.900E+02	1.100E+11
STD. DEV.	±1.138E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 773-A								AIR VOLUME
		CO-60	CO-60	I-131	I-133	OTHER B OR G	TOTAL ALPHA	
JANUARY	-	-	-	2.280E-04	-	-	2.000E-06	2.714E+11
FEBRUARY	-	-	2.000E-05	8.300E-05	-	-	-	2.714E+11
MARCH	-	-	2.800E-05	2.090E-04	-	1.000E-06	-	2.714E+11
APRIL	-	-	1.000E-06	7.700E-05	-	2.000E-06	-	2.714E+11
MAY	-	-	-	4.570E-04	-	2.000E-06	-	2.714E+11
JUNE	-	-	-	2.180E-04	-	1.000E-06	-	2.714E+11
JULY	-	-	6.900E-05	3.370E-04	-	1.000E-06	-	2.714E+11
AUGUST	-	-	2.000E-05	2.640E-04	-	3.000E-06	2.000E-06	2.714E+11
SEPTEMBER	-	-	4.000E-06	1.480E-04	-	-	1.000E-06	2.714E+11
OCTOBER	-	-	1.300E-05	6.100E-05	-	1.250E-04	-	2.714E+11
NOVEMBER	-	-	1.100E-05	4.660E-04	-	-	-	2.714E+11
DECEMBER	-	-	2.000E-06	1.470E-04	-	5.000E-05	1.000E-06	2.714E+11
TOTAL	-	-	1.680E-04	2.695E-03	-	1.850E-04	6.000E-06	3.256E+12
STD. DEV.	-	-	±2.097E-05	±1.372E-04	-	±4.450E-05	±5.773E-07	-

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID TIMS BRANCH A EFF		TOTAL	
	B OR G	ALPHA	
JANUARY	-	5.000E-06	
FEBRUARY	-	1.000E-05	
MARCH	-	-	
APRIL	-	-	
MAY	2.500E-05	4.000E-06	
JUNE	6.200E-05	2.600E-05	
JULY	-	-	
AUGUST	-	2.000E-06	
SEPTEMBER	1.900E-05	4.000E-06	
OCTOBER	5.000E-05	1.000E-05	
NOVEMBER	4.100E-05	5.000E-06	
DECEMBER	3.800E-05	4.000E-06	
TOTAL	2.350E-04	7.000E-05	
STD. DEV.	±1.581E-05	±7.361E-06	

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID CMX-SEEPAGE BASIN		WATER VOLUME	
	B OR G	U-235 238	
JANUARY	-	-	6.799E+05
FEBRUARY	-	-	6.799E+05
MARCH	-	-	6.799E+05
APRIL	-	-	6.799E+05
MAY	-	-	6.799E+05
JUNE	-	-	-
JULY	-	-	6.799E+05
AUGUST	-	-	6.799E+05
SEPTEMBER	-	-	6.809E+05
OCTOBER	-	-	6.809E+05
NOVEMBER	-	-	6.809E+05
DECEMBER	-	-	6.809E+05
TOTAL	-	-	7.483E+06
STD. DEV.	-	-	±5.045E+02

- LESS THAN SENSITIVITY OF ANALYSES

SRP RADIOACTIVE RELEASES

MONTHLY RADIOACTIVE RELEASES

1984

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 100-G										
	T	AR-41	KR-85M	KR-87	KR-88	TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
JANUARY	5.502E+03	7.220E+02	2.400E+01	1.400E+01	3.500E+01	7.300E+01	8.000E-06	-	1.040E+02	2.800E+01
FEBRUARY	1.873E+04	1.400E+01	2.000E+00	1.000E+00	3.000E+00	6.000E+00	1.027E-03	5.570E-04	4.300E+01	3.000E+00
MARCH	8.155E+03	2.800E+01	1.000E+00	-	1.000E+00	2.000E+00	-	1.860E-04	1.000E+00	1.000E+00
APRIL	6.912E+03	6.700E+02	3.000E+00	1.000E+00	1.300E+01	1.700E+01	-	-	4.000E+01	7.000E+00
MAY	5.200E+03	4.700E+02	6.000E+00	3.000E+00	1.300E+01	2.200E+01	-	-	4.900E+01	1.400E+01
JUNE	7.026E+03	4.660E+02	8.000E+00	9.000E+00	1.100E+01	2.800E+01	-	-	4.100E+01	1.400E+01
JULY	1.376E+04	3.160E+02	5.000E+00	2.000E+00	7.000E+00	1.400E+01	-	-	3.100E+01	8.000E+00
AUGUST	8.172E+03	2.150E+02	3.000E+00	1.000E+00	4.000E+00	8.000E+00	7.000E-06	-	2.100E+01	4.000E+00
SEPTEMBER	5.554E+03	4.260E+02	5.000E+00	3.000E+00	8.000E+00	1.600E+01	-	-	2.800E+01	8.000E+00
OCTOBER	9.480E+03	2.600E+02	1.000E+00	-	1.000E+00	2.000E+00	-	-	1.000E+01	1.000E+00
NOVEMBER	1.366E+04	1.115E+03	3.000E+00	1.000E+00	2.000E+00	6.000E+00	-	-	1.700E+01	4.000E+00
DECEMBER	1.535E+04	1.951E+03	4.000E+00	1.000E+00	5.000E+00	1.000E+01	-	-	2.600E+01	1.900E+01
TOTAL	1.174E+05	6.653E+03	6.500E+01	3.600E+01	1.030E+02	2.040E+02	1.042E-03	7.430E-04	4.110E+02	1.340E+02
STD. DEV.	±4.472E+03	±5.364E+02	±6.200E+00	±4.402E+00	±9.385E+00	±1.933E+01	±5.886E-04	±2.623E-04	±2.615E+01	±7.547E+00

	TOTAL XF	OTHER B OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
JANUARY	1.320E+02	8.000E-06	8.000E-08	1.583E+11	1.146E+11
FEBRUARY	4.600E+01	8.200E-05	1.000E-06	3.069E+11	9.175E+10
MARCH	2.000E+00	1.300E-05	3.500E-07	2.327E+11	9.175E+10
APRIL	4.900E+01	1.500E-05	1.200E-07	1.529E+11	1.146E+11
MAY	6.300E+01	7.000E-06	1.300E-07	1.056E+11	9.175E+10
JUNE	5.500E+01	4.000E-06	9.000E-08	1.169E+11	9.175E+10
JULY	3.900E+01	5.000E-06	6.000E-08	1.452E+11	1.146E+11
AUGUST	2.500E+01	2.000E-06	1.100E-08	1.175E+11	8.835E+10
SEPTEMBER	3.600E+01	2.000E-06	1.000E-07	1.144E+11	8.750E+10
OCTOBER	1.100E+01	7.000E-06	5.000E-08	2.342E+11	1.132E+11
NOVEMBER	2.100E+01	1.200E-05	2.400E-07	1.223E+11	9.062E+10
DECEMBER	3.500E+01	8.000E-06	1.800E-07	1.557E+11	1.132E+11
TOTAL	5.150E+02	1.660E-04	2.421E-06	1.963E+12	1.204E+12
STD. DEV.	±3.321E+01	±2.183E-05	±2.673E-07	±6.226E+10	±1.224E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 100-K										
	T	AR-41	KR-85M	KR-87	KR-88	TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
JANUARY	4.095E+03	6.500E+02	8.000E+00	1.100E+01	1.700E+01	3.600E+01	-	4.000E-06	1.000E+01	1.600E+01
FEBRUARY	2.680E+03	2.710E+02	5.000E+00	1.000E+01	1.000E+01	2.500E+01	-	-	4.000E+00	1.800E+01
MARCH	4.050E+03	3.430E+02	8.000E+00	1.100E+01	1.600E+01	3.500E+01	-	-	7.000E+00	1.400E+01
APRIL	3.720E+03	3.430E+02	8.000E+00	1.100E+01	1.600E+01	3.500E+01	-	-	7.000E+00	1.400E+01
MAY	4.554E+03	6.830E+02	-	1.000E+00	-	1.000E+00	-	-	1.100E+01	2.000E+00
JUNE	4.034E+03	5.430E+02	1.500E+01	1.000E+00	-	1.600E+01	-	-	7.000E+00	2.000E+00
JULY	5.940E+03	7.220E+02	-	1.000E+00	-	1.000E+00	4.000E-06	-	2.000E+00	3.000E+00
AUGUST	4.570E+03	6.500E+02	-	1.000E+00	2.000E+00	3.000E+00	-	1.500E-05	7.000E+00	3.000E+00
SEPTEMBER	4.320E+03	6.500E+02	-	1.000E+00	2.000E+00	3.000E+00	-	-	7.000E+00	3.000E+00
OCTOBER	7.340E+03	4.690E+02	1.600E+01	1.500E+01	2.000E+01	5.100E+01	-	4.000E-05	2.600E+01	2.500E+01
NOVEMBER	5.887E+03	9.000E+00	3.000E+00	2.000E+00	3.000E+00	8.000E+00	-	-	8.000E+00	8.000E+00
DECEMBER	5.845E+03	4.750E+02	-	1.200E+01	-	1.200E+01	-	-	2.000E+01	1.700E+01
TOTAL	5.703E+04	5.808E+03	6.300E+01	7.700E+01	8.600E+01	2.260E+02	4.000E-06	5.900E-05	1.160E+02	1.250E+02
STD. DEV.	±1.266E+03	±2.118E+02	±4.830E+00	±5.617E+00	±7.497E+00	±1.705E+01	-	±1.844E-05	±6.773E+00	±7.879E+00

	TOTAL XF	OTHER B OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
JANUARY	2.600E+01	1.400E-05	1.800E-07	2.047E+11	1.146E+11
FEBRUARY	2.200E+01	5.000E-06	2.200E-07	1.668E+11	9.175E+10
MARCH	2.100E+01	1.400E-05	3.300E-07	1.492E+11	9.175E+10
APRIL	2.100E+01	1.000E-05	3.000E-08	1.894E+11	1.146E+11
MAY	1.300E+01	1.100E-05	2.000E-08	1.583E+11	9.175E+10
JUNE	9.000E+00	4.001E-02	1.500E-07	2.395E+11	9.175E+10
JULY	5.000E+00	1.000E-05	1.500E-07	1.628E+11	1.146E+11
AUGUST	1.700E+01	1.000E-05	1.100E-07	1.396E+11	9.175E+10
SEPTEMBER	1.000E+01	1.200E-05	3.000E-07	1.095E+11	9.175E+10
OCTOBER	5.100E+01	1.600E-05	6.100E-07	1.676E+11	1.146E+11
NOVEMBER	1.600E+01	8.000E-06	2.200E-07	2.090E+11	9.175E+10
DECEMBER	3.700E+01	1.800E-05	4.200E-07	2.189E+11	1.146E+11
TOTAL	2.410E+02	4.013E-02	2.740E-06	2.115E+12	1.215E+12
STD. DEV.	±1.315E+01	±1.154E-02	±1.677E-07	±3.701E+10	±1.181E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 100-L					TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
	T	AR-41	KR-B5M	KR-B7	KR-B8					
JANUARY	9.000E+00	-	-	-	-	-	-	-	-	-
FEBRUARY	4.000E+01	-	-	-	-	-	-	-	-	-
MARCH	1.000E+01	-	-	-	-	-	-	-	-	-
APRIL	8.000E+00	-	-	-	-	-	-	-	-	-
MAY	5.000E+00	-	-	-	-	-	-	-	-	-
JUNE	8.000E+00	-	-	-	-	-	-	-	-	-
JULY	6.000E+00	-	-	-	-	-	-	-	-	-
AUGUST	8.000E+00	-	-	-	-	-	-	-	-	-
SEPTEMBER	3.000E+01	-	-	-	-	-	-	-	-	-
OCTOBER	8.000E+00	-	-	-	-	-	-	-	-	-
NOVEMBER	8.000E+00	-	-	-	-	-	-	-	-	-
DECEMBER	5.000E+00	-	-	-	-	-	-	-	-	-
TOTAL	1.450E+02	-	-	-	-	-	-	-	-	-
STD. DEV.	±1.101E+01	-	-	-	-	-	-	-	-	-

	TOTAL XE	OTHER B OR G	TOTAL ALPHA	STACK VOLUME
JANUARY	-	-	-	-
FEBRUARY	-	-	-	1.370E+11
MARCH	-	-	-	-
APRIL	-	-	-	-
MAY	-	-	-	-
JUNE	-	-	-	-
JULY	-	-	-	-
AUGUST	-	-	-	-
SEPTEMBER	-	-	-	-
OCTOBER	-	-	-	-
NOVEMBER	-	-	-	-
DECEMBER	-	-	-	-
TOTAL	-	-	-	1.370E+11
STD. DEV.	-	-	-	-

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 100-P					TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
	T	AR-41	KR-B5M	KR-B7	KR-B8					
JANUARY	3.180E+03	2.440E+03	1.100E+02	5.000E+01	8.000E+01	2.400E+02	-	5.900E-05	2.700E+02	2.500E+01
FEBRUARY	6.170E+03	2.580E+03	1.000E+02	6.000E+01	9.000E+01	2.500E+02	-	8.800E-05	3.200E+02	2.600E+02
MARCH	5.875E+03	1.980E+03	9.000E+01	5.000E+01	7.000E+01	2.100E+02	-	-	2.500E+02	2.000E+02
APRIL	2.950E+03	1.350E+03	8.000E+01	4.000E+01	5.000E+01	1.700E+02	-	-	2.100E+02	1.500E+02
MAY	2.500E+03	1.940E+03	1.100E+02	7.000E+01	9.000E+01	2.700E+02	-	1.800E-05	4.400E+02	2.500E+02
JUNE	2.455E+03	1.760E+03	9.500E+01	5.000E+01	7.000E+01	2.150E+02	-	1.654E-03	3.000E+02	2.000E+02
JULY	4.655E+03	3.200E+03	4.000E+01	1.000E+01	2.000E+01	7.000E+01	-	1.566E-03	1.300E+02	4.000E+01
AUGUST	5.940E+03	2.200E+03	6.600E+01	2.600E+01	3.900E+01	1.310E+02	-	3.540E-04	1.910E+02	1.510E+02
SEPTEMBER	2.805E+03	2.840E+03	9.000E+01	3.500E+01	5.000E+01	1.750E+02	-	-	2.500E+02	2.000E+02
OCTOBER	3.860E+03	6.350E+02	7.500E+01	-	3.500E+01	1.100E+02	1.000E-06	3.000E-06	2.250E+02	1.050E+02
NOVEMBER	7.395E+03	2.330E+03	1.000E+02	5.500E+01	8.000E+01	2.350E+02	-	-	2.800E+02	2.400E+02
DECEMBER	4.340E+03	3.100E+03	9.500E+01	4.000E+01	6.000E+01	1.950E+02	3.000E-06	-	3.000E+02	1.800E+02
TOTAL	5.212E+04	2.345E+04	1.051E+03	4.860E+02	7.340E+02	2.271E+03	4.000E-06	3.744E-03	3.164E+03	2.244E+03
STD. DEV.	±1.665E+03	±8.375E+02	±1.995E+01	±1.659E+01	±2.264E+01	±6.065E+01	±1.414E-06	±7.448E-04	±7.693E+01	±6.190E+01

	TOTAL XE	OTHER B OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
JANUARY	5.200E+02	8.000E-06	7.000E-08	1.560E+11	1.277E+11
FEBRUARY	5.800E+02	6.000E-06	-	1.404E+11	1.008E+11
MARCH	4.500E+02	3.000E-06	-	1.430E+11	1.008E+11
APRIL	3.600E+02	5.000E-06	5.000E-08	2.237E+11	1.260E+11
MAY	6.900E+02	6.000E-06	4.000E-08	1.172E+11	1.008E+11
JUNE	5.000E+02	7.000E-06	5.000E-08	1.597E+11	1.008E+11
JULY	1.900E+02	1.200E-05	8.000E-08	1.945E+11	1.260E+11
AUGUST	3.470E+02	1.200E-05	1.600E-07	1.415E+11	1.008E+11
SEPTEMBER	4.500E+02	3.000E-06	9.000E-08	1.223E+11	1.008E+11
OCTOBER	3.300E+02	4.000E-06	6.000E-08	1.687E+11	1.260E+11
NOVEMBER	5.200E+02	4.000E-06	-	1.863E+11	1.008E+11
DECEMBER	4.800E+02	4.000E-06	3.000E-08	1.818E+11	1.260E+11
TOTAL	5.412E+03	7.400E-05	6.300E-07	1.935E+12	1.337E+12
STD. DEV.	±1.312E+02	±3.128E-06	±3.872E-08	±3.126E+10	±1.316E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID
C PIPAGE TO SEEPAGE BASIN

	<u>T</u>	<u>P-32</u>	<u>S-35</u>	<u>CR-51</u>	<u>CO-58,60</u>	<u>SR-89</u>	<u>SR-90</u>	<u>Y-91</u>	<u>ZR-95 NR-95</u>	<u>RU-103 106</u>
JANUARY	3.893E+01	-	2.912E-05	1.129E-03	3.017E-05	-	-	-	9.083E-04	-
FEBRUARY	-	-	-	-	-	-	-	-	-	-
MARCH	3.241E+02	-	1.605E-04	1.294E-03	2.511E-04	-	-	-	2.779E-05	-
APRIL	1.115E+02	4.438E-05	5.897E-04	2.083E-02	5.687E-04	4.808E-05	1.520E-05	-	8.328E-04	8.968E-05
MAY	6.360E+02	1.854E-04	1.570E-03	-	-	-	-	4.249E-03	3.043E-04	-
JUNE	1.759E+01	-	-	5.068E-04	-	1.012E-04	1.960E-04	-	-	-
JULY	-	-	-	-	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-	-	-	-	-
SEPTEMBER	-	-	-	-	-	-	-	-	-	-
OCTOBER	2.188E+01	-	-	-	-	-	-	-	-	-
NOVEMBER	1.981E+01	-	-	-	-	-	-	-	-	-
DECEMBER	-	-	-	-	-	-	-	-	-	-
TOTAL	1.169E+03	2.298E-04	2.350E-03	2.378E-02	8.500E-04	1.493E-04	2.112E-04	4.249E-03	2.073E-03	8.968E-05
STD. DEV.	±2.342E+02	±9.973E-05	±6.977E-04	±9.932E-03	±2.707E-04	±3.758E-05	±1.279E-04	-	±4.232E-04	-

	<u>SB-124 125</u>	<u>I-131</u>	<u>CS-134</u>	<u>CS-137</u>	<u>CE-141 144</u>	<u>PM-147</u>	<u>B OR G</u>	<u>ALPHA</u>	<u>VOLUME</u>
JANUARY	-	1.473E-04	1.227E-04	3.731E-04	8.923E-04	-	3.106E-03	1.260E-06	1.789E+05
FEBRUARY	-	-	-	-	-	-	-	-	-
MARCH	-	-	-	-	7.474E-05	-	1.557E-03	1.917E-05	3.289E+05
APRIL	-	-	-	-	4.115E-03	-	2.646E-02	3.245E-04	2.859E+05
MAY	-	-	-	8.149E-05	2.589E-03	1.107E-03	1.000E-02	8.568E-05	2.689E+06
JUNE	-	3.467E-04	1.251E-04	6.870E-04	-	-	9.548E-04	4.651E-05	9.119E+04
JULY	-	-	-	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-	-	-	-
SEPTEMBER	-	-	-	-	-	-	-	-	-
OCTOBER	-	-	-	-	-	-	-	1.056E-06	6.599E+04
NOVEMBER	-	-	-	-	-	-	-	-	5.679E+04
DECEMBER	-	-	-	-	-	-	-	-	-
TOTAL	-	4.941E-04	2.478E-04	1.141E-03	7.672E-03	1.107E-03	4.208E-02	4.782E-04	3.497E+06
STD. DEV.	-	±1.409E-04	±1.691E-06	±3.028E-04	±1.801E-03	-	±1.071E-02	±1.241E-04	±8.841E+05

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID
C PROCESS SEWER

	<u>T</u>	<u>CO-58,60</u>	<u>SR-90</u>	<u>CS-137</u>	<u>OTHER B OR G</u>	<u>ALPHA</u>	<u>WATER VOLUME</u>
JANUARY	5.645E+00	-	-	-	-	-	5.529E+08
FEBRUARY	1.347E+01	-	-	-	-	-	6.879E+08
MARCH	2.016E+01	-	-	-	-	-	7.190E+08
APRIL	6.615E+00	-	-	-	-	-	7.449E+08
MAY	2.064E+00	-	-	-	-	-	6.239E+08
JUNE	1.334E+00	-	-	-	-	-	5.449E+08
JULY	2.107E+00	-	-	-	-	-	5.739E+08
AUGUST	5.268E+00	-	-	-	-	-	5.939E+08
SEPTEMBER	3.445E+00	-	-	-	-	-	5.869E+08
OCTOBER	5.018E+00	-	-	-	-	-	5.939E+08
NOVEMBER	3.502E+00	-	-	-	-	-	5.789E+08
DECEMBER	2.726E+00	-	-	-	-	-	6.059E+08
TOTAL	7.140E+01	-	-	-	-	-	7.410E+09
STD. DEV.	±5.519E+00	-	-	-	-	-	±6.506E+07

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID
C RX HX COOLING W

	<u>T</u>	<u>WATER VOLUME</u>
JANUARY	6.250E+02	3.279E+10
FEBRUARY	5.800E+01	7.629E+09
MARCH	7.900E+01	7.659E+09
APRIL	2.580E+02	2.623E+10
MAY	2.510E+02	3.279E+10
JUNE	1.510E+02	2.623E+10
JULY	2.510E+02	3.279E+10
AUGUST	1.910E+02	2.623E+10
SEPTEMBER	2.230E+02	2.623E+10
OCTOBER	5.058E+01	1.963E+10
NOVEMBER	5.013E+01	2.391E+10
DECEMBER	7.038E+01	2.623E+10
TOTAL	2.252E+03	2.884E+11
STD. DEV.	±1.615E+02	±8.588E+09

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID 690-G SEEPAGE BASIN							
	<u>I</u>	<u>CO-60</u>	<u>SR-90</u>	<u>CS-137</u>	<u>OTHER B OR G</u>	<u>ALPHA</u>	<u>VOLUME</u>
JANUARY	1.446E+00	2.800E-05	-	7.000E-05	1.200E-05	1.000E-06	2.269E+04
FEBRUARY	-	-	-	-	-	-	-
MARCH	-	-	-	-	-	-	-
APRIL	-	-	-	-	-	-	-
MAY	-	-	-	-	-	-	-
JUNE	-	-	-	-	-	-	-
JULY	-	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-	-
SEPTEMBER	-	-	-	-	-	-	-
OCTOBER	-	-	-	-	-	-	-
NOVEMBER	-	-	-	-	-	-	-
DECEMBER	-	-	-	-	-	-	-
TOTAL	1.446E+00	2.800E-05	-	7.000E-05	1.200E-05	1.000E-06	2.269E+04
STD. DEV.	-	-	-	-	-	-	-

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID K PURGE TO 904-080										
	<u>I</u>	<u>P-32</u>	<u>S-35</u>	<u>CR-51</u>	<u>CO-60</u>	<u>SR-89</u>	<u>SR-90</u>	<u>Y-91</u>	<u>ZR-95 NB-95</u>	<u>RU-103 106</u>
JANUARY	9.363E+02	9.540E-04	1.507E-03	1.159E-03	2.070E-04	1.252E-04	3.240E-05	-	5.167E-04	-
FEBRUARY	9.070E+02	2.704E-04	4.932E-04	5.437E-03	-	8.883E-05	4.935E-05	-	-	-
MARCH	1.118E+02	-	5.910E-05	5.985E-04	-	-	-	-	-	-
APRIL	4.621E+02	-	-	1.305E-03	-	-	-	-	-	-
MAY	3.145E+02	1.450E-03	6.699E-04	4.207E-03	-	-	-	5.950E-04	5.117E-04	1.380E-04
JUNE	-	-	-	-	-	-	-	-	-	-
JULY	-	-	-	-	-	-	-	-	-	-
AUGUST	2.532E+02	-	1.459E-03	8.176E-03	1.378E-04	-	-	-	6.194E-04	-
SEPTEMBER	1.808E+02	-	-	-	-	-	-	-	4.708E-04	-
OCTOBER	-	-	-	-	-	-	-	-	-	-
NOVEMBER	-	-	-	-	-	-	-	-	-	-
DECEMBER	9.891E+02	-	-	-	-	-	-	-	-	-
TOTAL	4.155E+03	2.675E-03	4.188E-03	2.088E-02	3.449E-04	2.141E-04	8.175E-05	5.950E-04	2.118E-03	1.380E-04
STD. DEV.	±3.667E+02	±5.925E-04	±6.298E-04	±2.994E-03	±4.897E-05	±2.577E-05	±1.198E-05	-	±6.329E-05	-

	<u>SB-124 125</u>	<u>I-131</u>	<u>CS-134</u>	<u>CS-137</u>	<u>CE-141 144</u>	<u>PM-147</u>	<u>B OR G</u>	<u>ALPHA</u>	<u>VOLUME</u>
JANUARY	1.377E-03	-	4.032E-03	1.751E-02	2.674E-04	-	5.907E-03	2.437E-04	2.437E+06
FEBRUARY	7.965E-04	-	5.398E-04	2.940E-03	-	-	7.130E-03	5.625E-05	2.199E+06
MARCH	-	-	-	-	-	-	6.576E-04	5.769E-06	4.483E+05
APRIL	-	-	-	-	-	5.130E-05	1.356E-03	5.815E-05	1.148E+06
MAY	1.049E-03	1.024E-03	2.772E-04	1.278E-03	-	3.808E-04	9.890E-03	4.760E-05	1.189E+06
JUNE	-	-	-	-	-	-	-	-	-
JULY	-	-	-	-	-	-	-	-	-
AUGUST	-	-	-	1.014E-03	-	6.083E-04	1.086E-02	1.148E-04	7.407E+05
SEPTEMBER	-	-	-	-	6.018E-04	-	1.072E-03	9.204E-05	5.899E+05
OCTOBER	-	-	-	-	-	-	-	-	-
NOVEMBER	-	-	-	-	-	-	-	-	-
DECEMBER	-	-	-	-	-	-	-	2.190E-04	1.857E+06
TOTAL	3.223E-03	1.024E-03	4.849E-03	2.274E-02	8.692E-04	1.040E-03	3.687E-02	8.374E-04	1.061E+07
STD. DEV.	±2.910E-04	-	±2.096E-03	±7.931E-03	±2.364E-04	±2.800E-04	±4.295E-03	±8.470E-05	±7.546E+05

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID K PROCESS SEWER							
	<u>I</u>	<u>CO-60</u>	<u>SR-90</u>	<u>CS-137</u>	<u>OTHER B OR G</u>	<u>ALPHA</u>	<u>WATER VOLUME</u>
JANUARY	1.112E+00	-	-	-	-	-	3.799E+08
FEBRUARY	1.327E+00	-	-	-	-	-	3.589E+08
MARCH	5.240E+01	-	-	-	-	1.700E-05	1.109E+08
APRIL	1.761E+00	-	-	-	-	-	4.079E+08
MAY	2.033E+00	-	-	-	-	-	4.219E+08
JUNE	1.060E+00	-	-	-	-	-	4.079E+08
JULY	4.291E+00	-	-	-	-	-	4.219E+08
AUGUST	3.683E+00	-	-	-	-	-	4.219E+08
SEPTEMBER	1.431E+00	-	-	-	-	-	4.089E+08
OCTOBER	2.202E+00	-	-	-	-	-	4.219E+08
NOVEMBER	4.277E+00	-	-	-	-	-	4.089E+08
DECEMBER	1.556E+02	-	-	-	-	-	4.219E+08
TOTAL	1.793E+02	-	-	-	-	1.700E-05	4.593E+09
STD. DEV.	±4.432E+01	-	-	-	-	-	±8.778E+07

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	<u>LIQUID</u> <u>K RX HX COOLING W</u>	
	<u>T</u>	<u>WATER</u> <u>VOLUME</u>
JANUARY	2.980E+02	3.177E+10
FEBRUARY	1.560E+02	1.960E+10
MARCH	2.220E+02	2.400E+10
APRIL	2.950E+02	2.605E+10
MAY	3.220E+02	2.906E+10
JUNE	8.000E+01	2.011E+10
JULY	3.060E+02	3.036E+10
AUGUST	2.280E+02	2.259E+10
SEPTEMBER	4.050E+02	2.651E+10
OCTOBER	2.874E+02	2.935E+10
NOVEMBER	3.592E+02	4.559E+09
DECEMBER	1.637E+02	2.214E+10
TOTAL	3.023E+03	2.062E+11
STD. DEV.	±9.150E+01	±7.283E+09

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	<u>LIQUID</u> <u>100-L TO STREAM</u>							<u>WATER</u> <u>VOLUME</u>	
	<u>T</u>	<u>CO-60</u>	<u>SR-90</u>	<u>CS-134</u>	<u>CS-137</u>	<u>OTHER</u> <u>B OR G</u>	<u>ALPHA</u>		
JANUARY	5.100E-02	1.490E-04	-	-	-	-	5.000E-06	1.129E+05	
FEBRUARY	3.620E-01	3.400E-05	-	-	-	4.500E-05	6.200E-05	7.639E+06	
MARCH	8.650E-01	9.000E-06	-	-	-	-	2.470E-04	8.449E+07	
APRIL	2.010E-01	9.600E-05	-	-	-	-	-	8.129E+07	
MAY	1.070E-01	-	-	-	-	-	-	8.399E+07	
JUNE	3.900E-02	-	-	-	-	-	2.500E-05	8.179E+07	
JULY	2.110E-01	1.000E-06	1.000E-06	-	1.000E-06	-	1.000E-05	8.399E+07	
AUGUST	4.310E-01	-	-	-	-	-	9.000E-06	8.479E+07	
SEPTEMBER	2.370E-01	-	-	-	-	-	-	8.739E+07	
OCTOBER	5.300E-02	2.300E-05	-	-	-	-	-	6.127E+07	
NOVEMBER	2.600E-01	-	-	-	-	-	-	2.099E+08	
DECEMBER	4.800E-02	-	-	-	-	-	-	2.520E+08	
TOTAL	2.885E+00	3.120E-04	1.000E-06	-	1.000E-06	4.500E-05	3.580E-04	1.115E+09	
STD. DEV.	±2.368E-01	±5.824E-05	-	-	-	-	±9.415E-05	±7.185E+07	

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	<u>LIQUID</u> <u>P PUDGE TO SEEPAGE BASIN</u>										
	<u>T</u>	<u>P-32</u>	<u>S-35</u>	<u>GR-51</u>	<u>SR-89</u>	<u>SR-90</u>	<u>Y-91</u>	<u>ZR-95</u> <u>NO-95</u>	<u>RU-103</u> <u>LO4</u>		
JANUARY	6.227E+02	-	3.038E-03	8.766E-03	-	-	-	8.290E-03	-		
FEBRUARY	8.730E+02	-	-	-	-	-	-	-	-		
MARCH	2.088E-01	-	-	-	5.696E-05	5.000E-07	1.500E-04	-	-		
APRIL	2.006E-02	-	-	-	7.875E-06	1.000E-06	1.000E-06	-	-		
MAY	5.187E+02	-	-	6.056E-03	-	-	-	-	-		
JUNE	6.588E+02	-	-	2.912E-02	-	8.280E-04	1.440E-03	-	-		
JULY	1.090E+03	-	2.928E-03	2.713E-02	-	-	-	-	-	6.660E-04	
AUGUST	1.286E+03	-	1.040E-03	2.750E-02	-	-	-	-	-	5.000E-04	
SEPTEMBER	1.964E+03	1.260E-04	1.149E-03	1.002E-01	-	2.520E-04	-	4.410E-06	1.076E-03	1.009E-03	
OCTOBER	-	-	-	-	-	-	-	-	-	-	
NOVEMBER	9.244E+02	-	-	2.314E-12	-	-	-	1.580E-03	-	-	
DECEMBER	1.198E+01	-	-	7.254E-04	-	-	-	1.634E-05	-	-	
TOTAL	7.951E+03	1.260E-04	8.155E-03	2.227E-01	6.483E-05	1.081E-03	1.442E-03	4.410E-04	1.096E-02	2.175E-03	
STD. DEV.	±6.052E+02	-	±1.091E-03	±3.126E-02	±3.470E-05	±3.901E-04	±8.306E-04	±3.756E-03	±2.597E-04		

	<u>SR-124</u> <u>123</u>	<u>I-131</u>	<u>CS-134</u>	<u>CS-137</u>	<u>CE-141</u> <u>144</u>	<u>PM-147</u>	<u>B OR G</u>	<u>ALPHA</u>	<u>VOLUME</u>
JANUARY	1.570E-03	1.289E-02	-	2.360E-03	3.847E-03	-	3.840E-02	5.040E-05	2.799E+06
FEBRUARY	1.368E-03	8.337E-03	1.269E-03	2.061E-02	-	-	9.705E-03	1.330E-04	3.749E+06
MARCH	-	-	-	2.280E-05	-	-	5.000E-07	7.200E-07	7.149E+04
APRIL	-	-	-	9.125E-06	-	2.875E-06	3.875E-06	2.500E-07	2.499E+04
MAY	-	1.066E-02	-	4.431E-04	-	-	1.671E-02	2.730E-05	2.099E+06
JUNE	-	6.753E-03	5.756E-03	8.728E-02	-	-	3.670E-02	2.559E-03	5.694E+06
JULY	1.384E-03	1.305E-03	-	6.360E-04	-	2.244E-04	3.379E-02	1.680E-05	1.689E+06
AUGUST	2.136E-03	-	-	-	2.960E-04	-	3.097E-02	6.000E-05	1.999E+06
SEPTEMBER	3.476E-03	1.114E-03	-	-	4.172E-04	9.940E-04	1.101E-01	8.424E-05	5.899E+06
OCTOBER	-	-	-	-	-	-	-	-	-
NOVEMBER	2.282E-03	-	-	1.677E-02	1.062E-03	-	2.807E-02	1.656E-04	3.599E+06
DECEMBER	-	-	-	5.812E-05	-	-	7.417E-04	4.370E-07	4.369E+04
TOTAL	1.221E-02	4.106E-02	7.025E-03	1.282E-01	5.622E-03	1.221E-03	3.052E-01	3.098E-03	2.468E+07
STD. DEV.	±8.039E-04	±4.834E-03	±3.172E-03	±2.851E-02	±1.662E-03	±5.202E-04	±3.120E-02	±7.575E-04	±1.724E+06

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	LIQUID PROCESS SEWER		CO-60		SR-90	CS-137	OTHER B OR G	ALPHA	WATER VOLUME
	T	58.60							
JANUARY	5.444E+00	-	-	-	-	-	-	-	6.949E+08
FEBRUARY	1.532E+01	-	-	-	-	-	-	-	6.499E+08
MARCH	4.172E+01	-	-	-	-	-	-	2.500E-05	3.099E+08
APRIL	5.425E+01	-	-	-	-	-	-	-	2.399E+08
MAY	6.184E+00	-	-	-	-	-	-	-	3.599E+08
JUNE	4.379E+00	-	-	-	-	-	-	-	3.099E+08
JULY	9.029E+00	-	-	-	-	-	-	-	3.499E+08
AUGUST	2.686E+01	-	-	-	-	-	-	-	3.299E+08
SEPTEMBER	4.479E+00	-	-	-	-	-	-	-	3.999E+08
OCTOBER	7.173E+00	-	-	-	-	-	-	1.970E-04	4.199E+08
NOVEMBER	8.567E+00	-	-	-	-	-	-	-	4.199E+08
DECEMBER	1.569E+01	-	-	-	-	-	-	-	4.029E+08
TOTAL	1.991E+02	-	-	-	-	-	-	2.220E-04	4.887E+09
STD. DEV.	±1.622E+01	-	-	-	-	-	-	±1.216E-04	±1.350E+08

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	LIQUID RX HX COOLING W		WATER VOLUME
	T		
JANUARY	1.450E+02	2.926E+10	
FEBRUARY	3.240E+02	2.184E+10	
MARCH	2.030E+02	1.899E+10	
APRIL	1.300E+02	2.655E+10	
MAY	1.320E+02	3.319E+10	
JUNE	4.200E+01	2.289E+10	
JULY	1.180E+02	3.083E+10	
AUGUST	1.270E+02	2.655E+10	
SEPTEMBER	9.900E+01	2.655E+10	
OCTOBER	1.590E+02	3.319E+10	
NOVEMBER	1.923E+02	1.947E+10	
DECEMBER	5.769E+01	2.655E+10	
TOTAL	7.729E+03	3.159E+11	
STD. DEV.	±7.133E+01	±4.827E+09	

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 200-F STACKS		SR-89 90	ZR-95	HD-95	RU-103	RU-106	I-131	CS-134
	T	CO-58	CO-60						
JANUARY	-	-	-	1.200E-05	2.070E-04	2.380E-04	7.980E-05	9.500E-05	5.524E-03
FEBRUARY	-	-	-	3.400E-05	1.770E-04	3.710E-04	4.980E-05	1.190E-04	6.939E-03
MARCH	-	-	-	4.700E-05	1.000E-04	2.490E-04	7.100E-05	1.500E-04	5.153E-03
APRIL	-	-	-	2.000E-05	8.400E-05	1.910E-04	3.000E-05	1.010E-04	1.038E-02
MAY	-	-	-	5.000E-05	9.160E-04	1.632E-03	1.410E-04	3.390E-04	1.907E-02
JUNE	-	-	-	3.150E-04	1.623E-03	2.373E-03	3.100E-04	5.450E-04	1.155E-02
JULY	-	-	-	3.950E-04	7.260E-04	1.262E-03	2.490E-04	5.970E-04	8.295E-03
AUGUST	-	-	-	3.150E-04	8.520E-04	1.296E-03	1.465E-03	2.207E-03	1.311E-02
SEPTEMBER	-	-	-	5.280E-04	7.940E-04	1.551E-03	1.012E-03	1.541E-03	4.558E-02
OCTOBER	-	-	-	2.260E-04	5.450E-04	1.020E-03	2.392E-03	4.809E-03	3.042E-02
NOVEMBER	-	-	-	1.510E-04	4.680E-04	1.053E-03	5.860E-04	1.191E-03	3.893E-02
DECEMBER	-	-	-	1.228E-03	7.530E-04	2.535E-03	6.530E-04	1.210E-03	7.490E-02
TOTAL	-	-	-	3.321E-03	7.247E-03	1.377E-02	7.057E-03	1.290E-02	2.712E-01
STD. DEV.	-	-	-	±3.440E-04	±4.426E-04	±7.998E-04	±7.207E-04	±1.355E-03	±2.127E-02

	CS-137	CE-141	CE-144	OTHER B OR G	AM-241 243	CM-242 244	U-235 238	PU-238 239	PU-238	PU-239
JANUARY	2.600E-05	-	4.800E-05	-	1.000E-06	5.000E-06	1.290E-04	2.000E-05	1.300E-05	7.000E-06
FEBRUARY	3.400E-05	5.000E-06	1.140E-04	-	2.000E-06	1.500E-05	1.250E-04	4.200E-05	2.000E-05	2.200E-05
MARCH	4.000E-05	6.000E-06	1.700E-05	-	1.000E-06	1.300E-05	2.180E-04	4.200E-05	2.600E-05	1.600E-05
APRIL	7.000E-06	1.000E-06	3.500E-05	-	6.000E-06	7.000E-06	2.670E-04	2.690E-04	2.260E-04	4.300E-05
MAY	3.200E-05	2.500E-05	2.130E-04	-	4.000E-06	5.000E-06	1.110E-04	8.800E-05	5.500E-05	3.300E-05
JUNE	9.200E-05	4.500E-05	6.340E-04	-	1.100E-05	2.800E-05	1.210E-04	4.900E-05	2.100E-05	2.800E-05
JULY	3.240E-04	7.000E-05	1.300E-03	-	3.200E-05	6.800E-05	1.740E-04	2.260E-04	1.470E-04	7.900E-05
AUGUST	1.260E-04	3.300E-05	1.580E-04	-	1.900E-05	3.400E-05	1.080E-04	2.800E-05	1.300E-05	1.500E-05
SEPTEMBER	3.080E-04	2.610E-04	2.847E-03	-	1.100E-05	3.100E-05	1.350E-04	4.100E-05	1.600E-05	2.500E-05
OCTOBER	2.440E-04	1.320E-04	2.337E-03	-	7.000E-06	9.000E-06	1.000E-04	2.500E-05	8.000E-06	1.700E-05
NOVEMBER	1.550E-04	9.800E-05	1.624E-03	-	6.000E-06	6.000E-06	1.020E-04	2.900E-05	7.000E-06	2.200E-05
DECEMBER	2.200E-04	1.560E-04	1.984E-03	-	1.200E-05	1.100E-05	2.040E-04	5.700E-05	1.800E-05	3.900E-05
TOTAL	1.688E-03	8.320E-04	1.131E-02	-	1.120E-04	2.120E-04	1.794E-03	9.160E-04	5.700E-04	3.460E-04
STD. DEV.	±1.148E-04	±8.078E-05	±1.029E-03	-	±8.086E-06	±1.411E-05	±5.395E-05	±8.244E-05	±6.621E-05	±1.887E-05

	AIR VOLUME	
	T	
JANUARY		4.276E+11
FEBRUARY		3.421E+11
MARCH		3.421E+11
APRIL		4.276E+11
MAY		3.421E+11
JUNE		3.421E+11
JULY		3.421E+11
AUGUST		4.276E+11
SEPTEMBER		1.101E+11
OCTOBER		4.106E+10
NOVEMBER		3.285E+10
DECEMBER		3.285E+10
TOTAL		4.276E+11
STD. DEV.		±1.679E+11

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

**ATMOSPHERIC
200-H STACKS**

	<u>I</u>	<u>CO-58</u>	<u>CO-60</u>	<u>SR-89 90</u>	<u>ZR-95</u>	<u>HR-95</u>	<u>RU-103</u>	<u>RU-106</u>	<u>I-131</u>	<u>CS-134</u>
JANUARY	2.820E+04	-	-	6.000E-06	9.800E-05	8.100E-05	7.300E-05	3.750E-04	2.470E-04	5.000E-06
FEBRUARY	2.827E+04	-	-	1.300E-05	2.430E-04	1.940E-04	2.740E-04	1.704E-03	2.420E-04	9.000E-06
MARCH	3.370E+04	-	-	2.400E-05	1.010E-04	9.400E-05	4.110E-04	4.202E-03	2.120E-04	2.000E-06
APRIL	3.507E+04	-	-	2.500E-05	3.060E-04	2.650E-04	4.619E-03	2.648E-02	5.350E-04	-
MAY	3.471E+04	-	-	3.600E-05	7.060E-04	4.650E-04	4.245E-03	3.666E-02	1.650E-04	-
JUNE	3.179E+04	-	-	1.400E-05	5.360E-04	3.520E-04	9.780E-04	1.513E-02	1.950E-04	3.000E-06
JULY	2.833E+04	-	-	6.000E-06	2.020E-04	3.610E-04	1.100E-04	3.659E-03	5.480E-04	-
AUGUST	3.253E+04	-	-	1.700E-05	2.360E-04	3.970E-04	3.670E-04	1.345E-02	3.370E-04	1.000E-05
SEPTEMBER	8.923E+04	-	-	2.200E-05	1.920E-04	1.360E-04	4.160E-04	2.271E-02	4.300E-05	4.000E-06
OCTOBER	5.133E+04	-	-	8.000E-06	1.340E-04	1.270E-04	1.140E-04	7.520E-03	1.100E-05	-
NOVEMBER	4.905E+04	-	-	1.100E-05	1.406E-03	7.370E-04	2.360E-04	2.185E-03	2.410E-04	-
DECEMBER	6.981E+04	-	-	1.700E-05	2.381E-03	2.055E-03	6.200E-05	1.002E-03	8.000E-06	-
TOTAL	5.121E+05	-	-	1.990E-04	6.541E-03	5.334E-03	1.190E-02	1.351E-01	2.866E-03	3.300E-05
STD. DEV.	±1.923E+04	-	-	±8.948E-06	±6.868E-04	±5.416E-04	±1.627E-03	±1.185E-02	±1.801E-04	±3.271E-06

	<u>CS-137</u>	<u>CE-141</u>	<u>CE-144</u>	<u>OTHER B OR G</u>	<u>AM-241 243</u>	<u>CM-242 244</u>	<u>U-235 238</u>	<u>PU-238 239</u>	<u>PU-238 239</u>	<u>PU-239</u>
JANUARY	1.900E-05	-	1.030E-04	4.000E-06	-	2.000E-06	2.300E-05	1.150E-04	1.010E-04	1.400E-05
FEBRUARY	3.500E-05	6.000E-06	7.600E-05	-	-	6.000E-06	2.900E-05	1.860E-04	1.620E-04	2.400E-05
MARCH	2.900E-05	-	1.170E-04	-	2.000E-06	4.000E-06	1.500E-05	9.800E-05	9.000E-05	8.000E-06
APRIL	1.400E-05	-	2.590E-04	-	-	4.000E-06	6.700E-05	6.100E-05	5.700E-05	4.000E-06
MAY	3.200E-05	-	2.630E-04	5.700E-05	4.000E-06	4.000E-06	4.000E-06	4.300E-05	3.900E-05	4.000E-06
JUNE	3.400E-05	-	1.480E-04	-	4.000E-06	-	7.000E-06	3.400E-05	3.200E-05	2.000E-06
JULY	3.000E-06	-	8.100E-05	-	2.000E-06	2.000E-06	5.000E-06	1.000E-05	8.000E-06	2.000E-06
AUGUST	2.000E-05	-	9.700E-05	-	4.000E-06	2.000E-06	8.000E-06	1.000E-05	8.000E-06	2.000E-06
SEPTEMBER	2.600E-05	-	2.070E-04	1.200E-05	7.000E-06	9.000E-06	1.600E-05	2.500E-05	2.000E-05	5.000E-06
OCTOBER	2.500E-05	-	1.780E-04	-	2.000E-06	3.000E-06	4.700E-05	1.400E-05	9.000E-06	5.000E-06
NOVEMBER	6.050E-05	-	1.840E-04	-	3.000E-06	6.000E-06	7.300E-05	5.800E-05	4.000E-05	1.800E-05
DECEMBER	3.900E-05	-	2.260E-04	-	2.000E-06	5.000E-06	1.010E-04	7.100E-05	4.900E-05	2.200E-05
TOTAL	3.360E-04	6.000E-06	1.939E-03	7.300E-05	3.000E-05	4.700E-05	3.950E-04	7.250E-04	6.150E-04	1.100E-04
STD. DEV.	±1.422E-05	-	±6.765E-05	±2.857E-05	±1.658E-06	±2.148E-06	±3.195E-05	±5.202E-05	±4.615E-05	±8.144E-06

**AIR
VOLUME**

JANUARY	2.854E+11
FEBRUARY	2.283E+11
MARCH	2.283E+11
APRIL	2.854E+11
MAY	2.283E+11
JUNE	2.283E+11
JULY	2.854E+11
AUGUST	2.283E+11
SEPTEMBER	2.854E+11
OCTOBER	2.283E+11
NOVEMBER	2.283E+11
DECEMBER	2.854E+11
TOTAL	3.023E+12
STD. DEV.	±2.939E+10

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID
200-F SEEPAGE BASIN

	<u>I</u>	<u>CR-51</u>	<u>CO-58</u>	<u>CO-60</u>	<u>SR-89</u> <u>90</u>	<u>SR-89</u>	<u>SR-90</u>	<u>ZR-95</u>	<u>HR-95</u>	<u>RU-103</u>
JANUARY	3.177E+02	-	-	-	2.121E-04	-	-	2.977E-01	1.671E-01	6.164E-03
FEBRUARY	3.928E+02	-	-	-	1.195E-03	-	-	5.892E-01	3.956E-01	5.390E-03
MARCH	1.175E+03	-	-	-	2.380E-03	1.000E-03	1.000E-03	4.086E-01	1.474E-01	1.255E-03
APRIL	1.410E+03	-	-	-	3.516E-03	-	3.000E-03	5.586E-02	6.016E-02	2.521E-03
MAY	3.249E+02	-	-	-	3.596E-03	-	3.000E-03	2.570E-01	2.126E-01	2.391E-02
JUNE	3.711E+02	-	-	-	2.154E-03	-	2.000E-03	3.516E-01	3.219E-01	1.463E-02
JULY	3.207E+02	-	-	-	5.659E-04	-	1.000E-03	1.261E-01	1.203E-01	1.657E-02
AUGUST	1.738E+03	-	-	-	4.528E-03	-	5.000E-03	3.395E-01	2.084E-01	1.645E-02
SEPTEMBER	4.849E+02	-	-	-	2.344E-03	-	1.000E-03	5.420E-01	3.459E-01	5.977E-03
OCTOBER	3.992E+02	-	-	-	5.135E-03	3.000E-03	3.000E-03	6.952E-01	5.827E-01	5.725E-03
NOVEMBER	1.275E+03	-	-	-	3.616E-02	4.000E-03	3.200E-02	1.380E+00	9.119E-01	1.628E-01
DECEMBER	1.131E+03	-	-	-	1.203E-02	7.000E-03	5.000E-03	1.895E+00	1.270E+00	5.859E-02
TOTAL	9.344E+03	-	-	-	7.382E-02	1.500E-02	5.800E-02	6.933E+00	4.745E+00	3.170E-01
STD. DEV.	±5.242E+02	-	-	-	±9.945E-03	±2.499E-03	±8.978E-03	±5.383E-01	±3.625E-01	±4.564E-02

	<u>RU-106</u>	<u>I-131</u>	<u>CS-134</u>	<u>CS-137</u>	<u>CE-141</u>	<u>CE-144</u>	<u>PM-147</u>	<u>OTHER</u> <u>B OR G</u>	<u>AM-241</u> <u>243</u>	<u>CM-242</u> <u>244</u>
JANUARY	1.210E-02	-	-	1.840E-03	-	-	-	-	4.000E-05	2.152E-04
FEBRUARY	1.100E-02	-	-	6.622E-03	-	-	-	-	1.593E-03	2.335E-03
MARCH	3.239E-03	8.378E-03	-	3.346E-03	-	-	-	-	3.289E-05	1.590E-03
APRIL	1.284E-02	1.394E-03	-	8.502E-03	-	1.891E-03	-	-	8.881E-04	1.480E-03
MAY	3.472E-02	7.262E-03	-	5.263E-03	-	-	4.600E-03	-	3.416E-03	1.956E-03
JUNE	3.974E-02	1.227E-02	-	9.436E-03	-	-	2.000E-03	-	9.173E-04	9.116E-04
JULY	3.044E-02	-	-	2.058E-01	-	-	1.600E-02	-	2.761E-04	1.080E-03
AUGUST	2.739E-02	9.820E-03	-	5.113E-02	-	2.976E-03	3.000E-03	-	3.172E-03	5.178E-03
SEPTEMBER	-	9.259E-03	-	9.720E-03	-	-	-	-	4.866E-04	8.468E-04
OCTOBER	5.310E-03	-	9.068E-04	8.652E-02	-	-	-	-	1.091E-01	9.649E-04
NOVEMBER	3.357E-01	3.740E-03	-	1.411E-01	2.593E-03	4.357E-02	-	-	7.294E-03	7.087E-03
DECEMBER	1.506E-01	2.166E-02	-	1.975E-02	-	1.522E-02	1.410E-01	-	1.159E-03	3.315E-03
TOTAL	6.632E-01	7.379E-02	9.068E-04	5.491E-01	2.593E-03	6.366E-02	1.660E-01	-	2.036E-02	4.496E-02
STD. DEV.	±1.001E-01	±6.099E-03	-	±6.605E-02	-	±1.940E-02	±6.052E-02	-	±2.075E-03	±0.12E-03

	<u>U-235</u> <u>238</u>	<u>PU-238</u>	<u>PU-239</u>	<u>TOTAL</u> <u>ALPHA</u>	<u>WATER</u> <u>VOLUME</u>
JANUARY	1.295E-03	1.136E-04	1.144E-04	1.779E-03	7.199E+06
FEBRUARY	2.785E-03	1.767E-03	8.708E-03	1.618E-02	9.309E+06
MARCH	3.008E-03	2.607E-03	1.203E-03	8.442E-03	1.293E+07
APRIL	8.382E-04	7.075E-04	1.478E-03	5.392E-03	5.139E+06
MAY	1.441E-03	2.446E-03	5.499E-04	9.809E-03	6.269E+06
JUNE	3.542E-03	2.067E-03	7.234E-04	8.162E-03	8.198E+06
JULY	1.657E-03	6.614E-04	6.408E-04	4.315E-03	6.823E+06
AUGUST	2.874E-03	2.371E-03	5.914E-04	1.419E-02	1.122E+07
SEPTEMBER	3.334E-03	3.592E-04	2.052E-04	5.232E-03	7.819E+06
OCTOBER	3.204E-03	7.403E-04	4.054E-04	6.406E-03	4.587E+06
NOVEMBER	1.125E-02	2.473E-03	2.638E-03	3.074E-02	2.292E+07
DECEMBER	6.370E-03	1.933E-03	9.185E-04	1.169E-02	1.372E+07
TOTAL	4.161E-02	1.824E-02	1.817E-02	1.223E-01	1.167E+08
STD. DEV.	±2.847E-03	±9.310E-04	±2.365E-03	±7.695E-03	±5.094E+06

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID
200-H SEEPAGE BASIN

	T	CR-51	CO-58	CO-60	ZH-65	SR-89 90	SP-89	SR-90	ZR-95	HB-95
JANUARY	4.379E+01	1.003E-02	-	1.328E-04	6.848E-04	5.516E-04	-	-	-	-
FEBRUARY	9.768E+02	1.301E-01	-	5.013E-02	2.967E-03	1.955E-03	-	2.000E-03	-	7.735E-04
MARCH	8.457E+02	2.884E+00	8.175E-03	7.602E-02	-	2.064E-03	-	2.000E-03	1.347E-02	1.117E-02
APRIL	1.192E+03	1.421E+00	3.820E-03	4.103E-02	-	2.634E-03	-	3.000E-03	6.544E-03	1.040E-02
MAY	1.081E+03	-	-	6.433E-04	6.565E-04	4.089E-03	-	4.000E-03	1.225E-02	1.266E-02
JUNE	1.284E+03	-	-	2.527E-04	1.976E-04	2.361E-03	-	3.000E-03	2.001E-02	1.237E-02
JULY	2.330E+01	-	-	-	-	2.060E-03	-	2.000E-03	2.210E-02	2.058E-02
AUGUST	1.759E+03	1.154E+00	2.233E-03	9.338E-02	3.436E-03	1.966E-03	-	3.000E-03	2.436E-03	8.243E-03
SEPTEMBER	8.987E+02	6.230E-03	-	7.094E-04	1.068E-03	3.004E-04	-	-	-	3.154E-04
OCTOBER	1.540E+03	-	-	-	-	4.713E-04	-	-	-	-
NOVEMBER	1.556E+03	-	-	-	-	1.082E-03	-	2.000E-03	-	-
DECEMBER	7.503E+02	5.712E-02	-	1.714E-03	1.308E-03	5.982E-04	-	1.000E-03	-	-
TOTAL	1.195E+04	5.664E+00	1.423E-02	2.648E-01	1.031E-02	2.013E-02	-	2.200E-02	7.682E-02	7.674E-02
STD. DEV.	±5.451E+02	±1.088E+00	±3.076E-03	±3.703E-02	±1.237E-03	±1.119E-03	-	±8.819E-04	±7.560E-03	±6.635E-03

	RU-103	RU-106	SB-124 125	I-131	CS-134	CS-137	CF-141	CF-144	PM-147	OTHER D OR Q
JANUARY	-	2.067E-02	5.655E-03	-	3.499E-02	1.068E+00	-	-	-	4.984E-02
FEBRUARY	4.014E-03	8.522E-02	-	-	1.958E-02	6.247E-01	-	6.687E-03	-	1.423E-02
MARCH	3.173E-02	1.786E-01	-	2.659E-03	2.044E-02	6.619E-01	-	4.640E-03	-	-
APRIL	2.460E-02	1.167E-01	3.792E-03	-	1.694E-02	4.751E-01	-	-	-	-
MAY	2.244E-03	3.510E-02	-	-	3.536E-02	1.195E+00	-	-	-	-
JUNE	-	3.584E-03	4.681E-04	-	1.139E-02	4.126E-01	-	-	6.000E-03	-
JULY	-	1.590E-02	-	-	3.103E-03	1.604E-01	-	-	8.000E-03	-
AUGUST	2.914E-03	2.695E-02	3.317E-03	-	1.408E-02	4.600E-01	-	1.914E-03	1.680E-01	3.189E-03
SEPTEMBER	-	1.478E-02	-	-	6.506E-04	2.672E-02	-	-	-	5.976E-04
OCTOBER	-	1.262E-02	-	-	-	3.136E-02	-	-	-	-
NOVEMBER	-	5.780E-02	-	-	-	4.379E-02	-	-	-	-
DECEMBER	-	4.967E-02	-	-	-	4.184E-02	-	-	3.000E-03	7.265E-04
TOTAL	6.556E-02	6.176E-01	1.323E-02	2.659E-03	1.565E-01	5.203E+00	-	1.324E-02	1.850E-01	6.858E-02
STD. DEV.	±1.401E-02	±5.208E-02	±2.145E-03	-	±1.213E-02	±4.026E-01	-	±2.394E-03	±8.119E-02	±2.095E-02

	AM-241 243	CM-242 244	U-235 238	PU-238	PU-239	TOTAL ALPHA	WATER VOLUME
JANUARY	4.682E-04	3.930E-04	7.857E-05	4.535E-04	2.027E-05	1.413E-03	2.185E+07
FEBRUARY	6.960E-04	6.832E-04	5.077E-04	6.622E-04	3.091E-05	2.580E-03	2.909E+07
MARCH	2.025E-03	1.326E-03	1.259E-04	5.223E-04	3.495E-05	4.035E-03	1.747E+07
APRIL	2.905E-04	2.912E-04	2.189E-04	7.853E-04	9.262E-05	1.678E-03	1.554E+07
MAY	1.532E-04	1.735E-04	4.762E-04	4.156E-04	1.501E-04	1.368E-03	1.513E+07
JUNE	1.371E-04	3.384E-05	8.169E-05	2.182E-04	1.257E-05	4.834E-04	1.457E+07
JULY	9.525E-05	9.237E-05	5.997E-05	1.022E-03	1.791E-05	1.287E-03	1.156E+07
AUGUST	2.547E-04	5.466E-04	8.858E-04	6.092E-04	-	2.246E-03	2.258E+07
SEPTEMBER	6.939E-05	8.950E-05	9.472E-06	6.390E-05	-	2.322E-04	7.327E+06
OCTOBER	3.713E-05	3.728E-05	5.392E-05	6.770E-05	3.574E-05	2.317E-04	1.514E+07
NOVEMBER	1.502E-04	1.564E-04	2.255E-04	7.001E-04	7.002E-05	1.302E-03	2.981E+07
DECEMBER	3.231E-05	3.770E-05	1.034E-04	1.574E-04	6.312E-06	3.372E-04	1.164E+07
TOTAL	4.410E-03	3.861E-03	2.827E-03	5.678E-03	4.714E-04	1.724E-02	2.118E+08
STD. DEV.	±5.574E-04	±3.810E-04	±2.607E-04	±3.026E-04	±4.495E-05	±1.125E-03	±6.924E+06

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID
200-F EFFLUENT

	T	SR-89 90	CS-134 137	OTHER D OR Q	TOTAL ALPHA
JANUARY	1.569E+00	7.200E-04	3.600E-04	5.900E-03	2.266E-02
FEBRUARY	1.129E+00	5.700E-04	2.800E-04	4.100E-04	9.600E-04
MARCH	7.900E-01	2.300E-04	2.300E-04	1.630E-03	3.100E-04
APRIL	1.329E+00	-	2.800E-04	1.00E-03	3.900E-04
MAY	3.089E+00	3.200E-04	3.200E-04	50E-03	9.300E-04
JUNE	2.000E+00	3.200E-04	3.200E-04	404E-03	5.600E-04
JULY	2.929E+00	-	1.337E-03	2.38E-03	7.500E-04
AUGUST	1.644E+00	2.700E-04	5.400E-04	2.635E-03	3.350E-04
SEPTEMBER	1.006E+00	2.560E-04	2.560E-04	2.321E-03	3.500E-04
OCTOBER	1.435E+00	2.850E-04	2.850E-04	1.640E-03	2.060E-04
NOVEMBER	4.160E-01	5.239E-03	2.432E-03	3.246E-02	9.430E-04
DECEMBER	1.136E+00	3.549E-03	3.276E-03	2.249E-02	7.300E-04
TOTAL	1.848E+01	1.175E-02	9.916E-03	8.368E-02	2.914E-02
STD. DEV.	±8.007E-01	±1.749E-03	±1.010E-03	±9.919E-03	±6.376E-03

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	<u>LIQUID</u> <u>200-H EFFLUENT</u>		<u>CS-134</u> <u>137</u>	<u>OTHER</u> <u>B OR G</u>	<u>TOTAL</u> <u>ALPHA</u>	<u>WATER</u> <u>VOLUME</u>
	<u>Y</u>	<u>SR-89</u> <u>90</u>				
JANUARY	1.050E+01	1.000E-04	6.939E-02	2.100E-04	8.000E-05	9.773E+07
FEBRUARY	4.344E+01	-	7.500E-03	3.600E-04	7.000E-05	1.028E+08
MARCH	6.509E+00	1.000E-04	2.721E-02	5.800E-04	6.000E-05	1.042E+08
APRIL	1.555E+01	-	2.133E-02	9.700E-04	1.300E-04	1.161E+08
MAY	6.081E+01	1.000E-04	3.473E-02	4.900E-04	5.000E-05	1.145E+08
JUNE	6.528E+00	-	9.810E-03	4.300E-04	2.000E-05	1.070E+08
JULY	7.964E+00	-	1.411E-02	3.820E-04	4.000E-05	1.082E+08
AUGUST	1.121E+01	1.070E-04	1.041E-02	5.160E-04	4.900E-05	1.072E+08
SEPTEMBER	3.876E+00	9.300E-05	5.280E-03	5.560E-04	5.100E-05	9.328E+07
OCTOBER	8.661E+00	9.700E-05	4.194E-03	6.610E-04	9.200E-05	9.699E+07
NOVEMBER	2.764E+00	1.290E-04	2.323E-03	3.800E-04	5.700E-05	6.467E+07
DECEMBER	5.067E+00	1.760E-04	3.264E-03	1.950E-04	3.200E-05	8.794E+07
TOTAL	1.829E+02	9.020E-04	2.115E-01	5.732E-03	7.310E-04	1.201E+09
STD. DEV.	±1.795E+01	±2.783E-05	±1.942E-02	±2.090E-04	±2.940E-05	±1.390E+07

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	<u>ATMOSPHERIC</u> <u>313-M</u>	
	<u>U-238</u>	<u>AIR</u> <u>VOLUME</u>
JANUARY	1.530E-07	7.438E+10
FEBRUARY	-	7.438E+10
MARCH	-	7.438E+10
APRIL	1.600E-07	7.438E+10
MAY	5.390E-07	7.438E+10
JUNE	-	7.438E+10
JULY	6.900E-07	7.438E+10
AUGUST	3.920E-07	7.438E+10
SEPTEMBER	3.690E-07	7.438E+10
OCTOBER	7.510E-07	7.438E+10
NOVEMBER	2.430E-07	7.438E+10
DECEMBER	1.600E-08	7.438E+10
TOTAL	3.313E-06	8.923E+11
STD. DEV.	±2.522E-07	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	<u>ATMOSPHERIC</u> <u>321-M</u>	
	<u>TOTAL</u> <u>ALPHA</u>	<u>AIR</u> <u>VOLUME</u>
JANUARY	8.400E-08	3.744E+10
FEBRUARY	-	3.744E+10
MARCH	-	3.744E+10
APRIL	-	3.744E+10
MAY	1.770E-07	3.744E+10
JUNE	7.200E-08	3.744E+10
JULY	1.410E-07	3.744E+10
AUGUST	3.600E-08	3.744E+10
SEPTEMBER	3.880E-07	3.744E+10
OCTOBER	6.390E-07	3.744E+10
NOVEMBER	3.920E-06	3.744E+10
DECEMBER	1.690E-07	3.744E+10
TOTAL	5.626E-06	4.492E+11
STD. DEV.	±1.250E-06	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

	<u>ATMOSPHERIC</u> <u>322-M STACKS</u>	
	<u>Y</u>	<u>TOTAL</u> <u>ALPHA</u>
JANUARY	-	6.199E+07
FEBRUARY	-	6.199E+07
MARCH	-	6.199E+07
APRIL	-	6.199E+07
MAY	-	6.199E+07
JUNE	-	6.199E+07
JULY	-	6.199E+07
AUGUST	-	6.199E+07
SEPTEMBER	-	6.199E+07
OCTOBER	-	6.199E+07
NOVEMBER	-	6.199E+07
DECEMBER	-	6.199E+07
TOTAL	-	7.438E+08
STD. DEV.	-	±1.923E-08

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID	
<u>TIME BRANCH M EFF</u>	
<u>U-235</u>	
<u>238</u>	
JANUARY	1.885E-03
FEBRUARY	5.640E-04
MARCH	2.180E-04
APRIL	1.910E-04
MAY	8.610E-04
JUNE	5.560E-04
JULY	8.950E-04
AUGUST	1.372E-03
SEPTEMBER	2.356E-03
OCTOBER	3.893E-04
NOVEMBER	2.930E-04
DECEMBER	1.150E-04
TOTAL	9.695E-03
STD. DEV.	±7.171E-04

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID	
<u>300-M SEEPAGE BASIN</u>	
<u>U-235 WATER</u>	
<u>238 VOLUME</u>	
JANUARY	1.918E-02 5.419E+07
FEBRUARY	5.983E-03 4.335E+07
MARCH	6.933E-03 1.379E+07
APRIL	1.093E-02 1.134E+07
MAY	6.244E-03 1.135E+07
JUNE	1.519E-02 1.135E+07
JULY	1.240E-02 7.549E+06
AUGUST	1.494E-02 7.559E+06
SEPTEMBER	1.252E-02 7.559E+06
OCTOBER	9.320E-03 7.549E+06
NOVEMBER	1.004E-02 7.559E+06
DECEMBER	2.916E-03 7.559E+06
TOTAL	1.266E-01 1.909E+08
STD. DEV.	±4.626E-03 ±1.567E+07

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID		CORRECTED - (VOLUME, LITERS)				
<u>420-D</u>		<u>SR-</u>	<u>CS-134</u>	<u>OTHER</u>	<u>TOTAL</u>	<u>WATER</u>
	<u>Y</u>	<u>89.98</u>	<u>137</u>	<u>R OR G</u>	<u>ALPHA</u>	<u>VOLUME</u>
JANUARY	3.923E+01	-	-	-	-	7.199E+03
FEBRUARY	1.379E+00	-	-	-	-	1.719E+04
MARCH	1.703E+02	-	-	-	-	1.899E+04
APRIL	-	-	-	-	-	-
MAY	-	-	-	-	-	-
JUNE	-	-	-	-	-	-
JULY	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-
SEPTEMBER	-	-	-	-	-	-
OCTOBER	1.766E+02	-	-	-	-	1.699E+04
NOVEMBER	1.887E+02	-	-	-	-	1.599E+04
DECEMBER	4.213E+02	-	-	-	-	1.599E+04
TOTAL	9.998E+02	-	-	-	-	9.239E+04
STD. DEV.	+1.483E+02	-	-	-	-	+4.164E+03

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

ATMOSPHERIC	
<u>420-D</u>	
<u>Y AIR</u>	
<u>VOLUME</u>	
JANUARY	7.000E+01 6.819E+09
FEBRUARY	5.000E+01 6.819E+09
MARCH	6.000E+01 6.819E+09
APRIL	4.000E+01 6.819E+09
MAY	7.000E+01 6.819E+09
JUNE	6.000E+01 6.819E+09
JULY	4.000E+01 6.819E+09
AUGUST	7.000E+01 6.819E+09
SEPTEMBER	6.000E+01 6.819E+09
OCTOBER	5.000E+01 6.819E+09
NOVEMBER	4.000E+01 6.819E+09
DECEMBER	7.000E+01 6.819E+09
TOTAL	6.800E+02 8.182E+10
STD. DEV.	±1.230E+01 -

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID 421-2D		SR- 89.90	CS-134 137	OTHER B OR G	TOTAL ALPHA	WATER VOLUME
	I					
JANUARY	2.700E+01	-	-	6.340E-04	-	9.949E+04
FEBRUARY	2.335E+01	-	-	5.840E-04	5.100E-05	5.699E+04
MARCH	1.390E+02	-	-	3.180E-04	-	1.029E+05
APRIL	1.660E+02	-	-	1.881E-03	-	1.099E+05
MAY	6.138E+01	-	4.900E-05	1.755E-03	9.700E-05	1.099E+05
JUNE	1.353E+02	-	-	1.017E-03	-	1.099E+05
JULY	8.210E+01	-	-	2.940E-04	-	5.099E+04
AUGUST	2.231E+01	-	2.800E-05	6.960E-04	-	6.199E+04
SEPTEMBER	4.001E+01	-	7.800E-05	4.990E-04	2.600E-05	5.799E+04
OCTOBER	6.068E+02	-	-	8.739E-03	-	1.699E+05
NOVEMBER	3.120E+02	-	1.080E-04	5.523E-03	-	1.199E+05
DECEMBER	1.855E+01	-	-	1.369E-02	-	5.799E+04
TOTAL	1.635E+03	-	2.630E-04	3.563E-02	1.740E-04	1.103E+06
STD. DEV.	±1.712E+02	-	±3.483E-05	±4.240E-03	±3.601E-05	±3.585E+04

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 421-2D		AIR VOLUME
	I	
JANUARY	4.000E+01	1.050E+10
FEBRUARY	4.000E+01	1.050E+10
MARCH	6.000E+01	1.050E+10
APRIL	5.000E+01	1.050E+10
MAY	4.000E+01	1.050E+10
JUNE	7.000E+01	1.050E+10
JULY	5.000E+01	1.050E+10
AUGUST	6.000E+01	1.050E+10
SEPTEMBER	7.000E+01	1.050E+10
OCTOBER	6.000E+01	1.050E+10
NOVEMBER	5.000E+01	1.050E+10
DECEMBER	4.000E+01	1.050E+10
TOTAL	6.300E+02	1.260E+11
STD. DEV.	±1.138E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID 772-D		SR- 89.90	CS-134 137	OTHER B OR G	TOTAL ALPHA	WATER VOLUME
	I					
JANUARY	3.229E+01	-	-	2.080E-04	-	4.619E+05
FEBRUARY	4.319E+01	-	-	-	-	4.319E+05
MARCH	4.619E+01	-	-	-	-	4.619E+05
APRIL	6.704E+01	-	-	-	-	4.469E+05
MAY	7.853E+01	-	-	-	2.080E-04	4.619E+05
JUNE	2.234E+01	-	6.040E-04	-	-	4.469E+05
JULY	1.379E+01	-	-	-	-	4.599E+05
AUGUST	2.300E+02	-	-	-	-	4.599E+05
SEPTEMBER	2.324E+01	-	-	-	-	4.469E+05
OCTOBER	6.900E+01	-	4.140E-04	1.243E-03	-	4.599E+05
NOVEMBER	8.939E+00	-	-	-	-	4.469E+05
DECEMBER	3.219E+01	-	-	-	2.070E-04	4.599E+05
TOTAL	6.668E+02	-	1.018E-03	1.451E-03	4.150E-04	5.445E+06
STD. DEV.	±5.928E+01	-	±1.343E-04	±7.318E-04	±7.071E-07	±9.609E+03

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 772-D		AIR VOLUME
	I	
JANUARY	7.000E+01	9.174E+09
FEBRUARY	7.000E+01	9.174E+09
MARCH	5.000E+01	9.174E+09
APRIL	6.000E+01	9.174E+09
MAY	5.000E+01	9.174E+09
JUNE	4.000E+01	9.174E+09
JULY	6.000E+01	9.174E+09
AUGUST	5.000E+01	9.174E+09
SEPTEMBER	4.000E+01	9.174E+09
OCTOBER	7.000E+01	9.174E+09
NOVEMBER	6.000E+01	9.174E+09
DECEMBER	5.000E+01	9.174E+09
TOTAL	6.700E+02	1.100E+11
STD. DEV.	±1.083E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 773-A								
	<u>I</u>	<u>CO-60</u>	<u>CO-60</u>	<u>I-131</u>	<u>I-133</u>	<u>OTHER B OR G</u>	<u>TOTAL ALPHA</u>	<u>AIR VOLUME</u>
JANUARY	-	-	3.000E-05	1.190E-04	-	2.000E-06	-	2.714E+11
FEBRUARY	-	-	-	8.900E-05	-	2.000E-06	-	2.714E+11
MARCH	-	-	-	6.600E-05	-	1.000E-06	-	2.714E+11
APRIL	-	-	-	1.560E-04	-	1.000E-06	-	2.714E+11
MAY	-	-	-	1.200E-04	-	2.000E-06	-	2.714E+11
JUNE	-	-	-	2.290E-04	-	2.000E-06	-	2.714E+11
JULY	-	-	1.300E-05	3.450E-04	-	2.000E-06	-	2.714E+11
AUGUST	-	-	-	4.080E-04	-	3.100E-05	-	2.714E+11
SEPTEMBER	-	-	2.000E-06	1.870E-04	-	2.000E-06	-	2.714E+11
OCTOBER	-	-	1.000E-06	1.050E-04	-	2.000E-06	-	2.714E+11
NOVEMBER	-	-	1.000E-06	2.320E-04	-	2.000E-06	-	2.714E+11
DECEMBER	-	-	5.000E-06	4.800E-05	-	2.000E-06	-	2.714E+11
TOTAL	-	-	5.400E-05	2.104E-03	-	5.100E-05	-	3.256E+12
STD. DEV.	-	-	±1.157E-05	±1.113E-04	-	±8.432E-06	-	-

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID TIMS BRANCH A EFF		
	<u>B OR G</u>	<u>TOTAL ALPHA</u>
JANUARY	3.800E-05	-
FEBRUARY	2.700E-05	7.000E-06
MARCH	1.800E-05	-
APRIL	1.900E-05	5.000E-06
MAY	6.500E-05	1.700E-05
JUNE	2.800E-05	1.100E-05
JULY	3.700E-05	1.500E-05
AUGUST	3.300E-05	8.000E-06
SEPTEMBER	1.300E-05	5.000E-06
OCTOBER	4.300E-05	1.900E-05
NOVEMBER	2.300E-05	5.000E-06
DECEMBER	3.300E-05	8.000E-06
TOTAL	3.770E-04	1.000E-04
STD. DEV.	±1.387E-05	±5.249E-06

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1984
CURIES - (VOLUME, LITERS)

LIQUID CMX-SLEEPAE BASIN			
	<u>B OR G</u>	<u>U-235 238</u>	<u>WATER VOLUME</u>
JANUARY	-	3.000E-06	6.809E+05
FEBRUARY	-	1.000E-06	6.809E+05
MARCH	-	8.000E-06	6.809E+05
APRIL	-	2.000E-06	6.812E+05
MAY	-	-	6.812E+05
JUNE	-	-	-
JULY	-	1.000E-06	6.812E+05
AUGUST	-	-	-
SEPTEMBER	-	-	6.812E+05
OCTOBER	-	2.000E-06	6.812E+05
NOVEMBER	-	-	6.812E+05
DECEMBER	-	-	6.812E+05
TOTAL	-	1.700E-05	6.812E+06
STD. DEV.	-	±2.639E-06	±1.449E+02

- LESS THAN SENSITIVITY OF ANALYSES

203/204

SRP RADIOACTIVE RELEASES

MONTHLY RADIOACTIVE RELEASES

1985

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 100-C										
	T	AR-41	KR-85M	KR-87	KR-88	TOTAL KR	STACK T-131	DISS'Y T-131	XE-133	XE-135
JANUARY	1.592E+04	1.177E+03	4.000E+00	1.000E+00	5.000E+00	1.000E+01	-	-	2.500E+01	8.000E+00
FEBRUARY	1.027E+04	1.585E+03	5.000E+00	2.000E+00	6.000E+00	1.300E+01	-	-	2.500E+01	9.000E+00
MARCH	1.254E+04	1.700E+03	4.000E+00	1.000E+00	6.000E+00	1.100E+01	-	-	2.600E+01	1.000E+01
APRIL	1.177E+04	1.700E+03	6.000E+00	2.000E+00	6.000E+00	1.400E+01	-	-	3.000E+01	1.100E+01
MAY	1.473E+04	1.249E+03	5.000E+00	2.000E+00	6.000E+00	1.300E+01	-	-	2.700E+01	8.000E+00
JUNE	1.459E+04	9.750E+02	4.000E+00	3.000E+00	5.000E+00	1.200E+01	-	-	2.500E+01	8.000E+00
JULY	1.248E+04	1.951E+03	4.000E+00	1.000E+00	5.000E+00	1.000E+01	1.000E-05	8.400E-05	2.600E+01	1.000E+01
AUGUST	1.489E+04	-	-	-	1.000E+00	1.000E+00	-	-	2.000E+01	-
SEPTEMBER	9.734E+03	-	1.000E+00	-	2.000E+00	3.000E+00	-	-	1.600E+01	-
OCTOBER	1.133E+04	-	-	-	-	-	-	-	-	-
NOVEMBER	1.877E+04	-	-	-	-	-	-	-	-	-
DECEMBER	1.753E+04	-	-	-	-	-	-	-	-	-
TOTAL	1.644E+05	1.033E+04	3.300E+01	1.200E+01	4.200E+01	8.700E+01	1.000E-05	8.400E-05	2.200E+02	6.400E+01
STD. DEV.	±2.803E+03	±3.487E+02	±1.457E+00	±7.559E-01	±1.870E+00	±4.582E+00	-	-	±4.096E+00	±1.214E+00

	TOTAL XE	OTHER B OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
JANUARY	3.300E+01	4.000E-06	7.000E-08	1.305E+11	9.062E+10
FEBRUARY	3.400E+01	5.000E-06	1.700E-07	1.282E+11	9.062E+10
MARCH	3.600E+01	7.000E-06	1.000E-07	1.175E+11	9.062E+10
APRIL	4.100E+01	4.000E-06	6.000E-08	1.339E+11	1.132E+11
MAY	3.500E+01	3.000E-06	4.000E-08	1.025E+11	9.062E+10
JUNE	3.300E+01	5.000E-06	7.000E-08	1.019E+11	9.062E+10
JULY	3.600E+01	3.900E-05	2.000E-08	2.622E+11	1.132E+11
AUGUST	2.000E+01	8.000E-06	9.000E-08	2.707E+11	9.062E+10
SEPTEMBER	1.600E+01	1.400E-05	1.000E-07	4.468E+11	1.132E+11
OCTOBER	-	1.300E-05	1.400E-07	3.041E+11	9.062E+10
NOVEMBER	-	1.100E-05	1.000E-07	3.265E+11	9.062E+10
DECEMBER	-	7.000E-06	2.000E-07	4.732E+11	1.132E+11
TOTAL	2.840E+02	1.200E-04	1.160E-06	2.798E+12	1.178E+12
STD. DEV.	±8.110E+00	±9.81E-06	±5.210E-08	±1.342E+11	±1.115E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 100-K										
	T	AR-41	KR-85M	KR-87	KR-88	TOTAL KR	STACK T-131	DISS'Y T-131	XE-133	XE-135
JANUARY	5.475E+03	7.580E+02	-	1.000E+01	-	1.000E+01	1.600E-05	-	1.800E+01	2.300E+01
FEBRUARY	3.895E+03	9.500E+02	-	8.000E+00	-	8.000E+00	4.000E-06	-	4.000E+01	-
MARCH	3.717E+03	6.000E+02	1.300E+01	2.200E+01	2.000E+01	5.500E+01	4.100E-05	4.000E-06	1.030E+02	-
APRIL	4.190E+03	1.070E+03	1.400E+01	6.000E+01	3.800E+01	1.120E+02	5.000E-06	-	8.800E+01	2.000E+00
MAY	3.913E+03	1.210E+03	3.800E+00	5.100E+01	9.000E+00	6.300E+01	-	2.000E-05	1.200E+02	1.000E+00
JUNE	5.115E+03	1.142E+03	2.000E+00	2.200E+01	1.000E+00	2.500E+01	1.300E-05	1.340E-04	1.100E+02	1.000E+01
JULY	5.820E+03	1.173E+03	9.030E+00	6.400E+01	2.100E+01	9.400E+01	3.000E-06	1.860E-04	1.150E+02	4.000E+00
AUGUST	5.995E+03	1.050E+03	2.730E+01	1.050E+02	4.700E+01	1.790E+02	-	-	1.500E+02	-
SEPTEMBER	4.937E+03	1.900E+01	6.000E+00	1.100E+01	1.000E+01	2.700E+01	-	-	6.800E+01	4.800E+01
OCTOBER	3.760E+03	9.400E+02	4.500E+01	4.000E+01	8.500E+01	1.700E+02	4.000E-06	1.000E-06	1.900E+02	3.800E+01
NOVEMBER	3.625E+03	8.260E+02	6.200E+01	8.500E+01	1.000E+02	2.420E+02	8.000E-06	2.900E-05	2.700E+01	1.000E+01
DECEMBER	2.588E+03	4.200E+02	1.200E+01	3.700E+01	2.300E+01	7.200E+01	1.600E-05	7.000E-06	1.170E+02	-
TOTAL	5.303E+04	1.015E+04	1.930E+02	5.150E+02	3.540E+02	1.057E+03	1.100E-04	3.810E-04	1.146E+03	1.360E+02
STD. DEV.	±1.035E+03	±3.332E+02	±1.975E+01	±3.114E+01	±3.316E+01	±7.475E+01	±1.197E-05	±7.429E-05	±5.063E+01	±1.767E+01

	TOTAL XE	OTHER B OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
JANUARY	4.100E+01	1.000E-05	1.900E-07	1.605E+11	9.175E+10
FEBRUARY	4.000E+01	1.200E-05	8.000E-08	1.484E+11	9.175E+10
MARCH	1.030E+02	1.100E-05	1.300E-07	1.351E+11	9.175E+10
APRIL	9.000E+01	1.200E-05	-	1.798E+11	1.146E+11
MAY	1.210E+02	1.300E-05	-	1.503E+11	9.175E+10
JUNE	1.200E+02	1.300E-05	-	1.379E+11	9.175E+10
JULY	1.190E+02	1.300E-05	2.000E-08	1.594E+11	1.146E+11
AUGUST	1.500E+02	1.400E-05	2.220E-07	1.399E+11	7.872E+10
SEPTEMBER	1.160E+02	1.900E-05	3.200E-07	1.772E+11	1.146E+11
OCTOBER	2.280E+02	2.100E-05	4.600E-07	1.359E+11	9.175E+10
NOVEMBER	3.700E+01	1.400E-05	1.000E-07	1.478E+11	9.175E+10
DECEMBER	1.170E+02	1.800E-05	1.200E-07	1.625E+11	1.146E+11
TOTAL	1.222E+03	1.700E-04	1.642E-06	1.855E+12	1.179E+12
STD. DEV.	±5.328E+01	±3.379E-06	±1.359E-07	±1.419E+10	±1.266E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 100-L		AR-41	KR-85M	KR-87	KR-88	TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
	T										
JANUARY	3.400E+01	-	-	-	-	-	-	-	-	-	-
FEBRUARY	8.000E+00	-	-	-	-	-	-	-	-	-	-
MARCH	7.000E+00	-	-	-	-	-	-	-	-	-	-
APRIL	1.400E+01	-	-	-	-	-	-	-	-	-	-
MAY	3.700E+01	-	-	-	-	-	-	-	-	-	-
JUNE	3.400E+01	-	-	-	-	-	-	-	-	-	-
JULY	3.300E+01	-	-	-	-	-	-	-	-	-	-
AUGUST	4.800E+01	-	-	-	-	-	-	-	-	-	-
SEPTEMBER	3.900E+01	-	-	-	-	-	-	-	-	-	-
OCTOBER	4.300E+01	-	-	-	-	-	-	-	-	-	-
NOVEMBER	1.070E+02	-	-	-	-	-	-	-	-	-	-
DECEMBER	1.730E+02	1.300E+01	-	-	-	-	-	-	-	1.000E+00	-
TOTAL	5.790E+02	1.300E+01	-	-	-	-	-	-	-	1.000E+00	-
STD. DEV.	±4.756E+01	-	-	-	-	-	-	-	-	-	-

	TOTAL XE	OTHER R OR G	TOTAL ALPHA	STACK VOLUME
JANUARY	-	-	-	-
FEBRUARY	-	-	-	-
MARCH	-	-	-	-
APRIL	-	-	-	-
MAY	-	-	-	-
JUNE	-	-	-	-
JULY	-	-	-	-
AUGUST	-	-	-	-
SEPTEMBER	-	-	-	-
OCTOBER	-	-	-	-
NOVEMBER	-	-	-	-
DECEMBER	1.000E+00	9.000E-06	6.400E-07	1.755E+11
TOTAL	1.000E+00	9.000E-06	6.400E-07	1.755E+11
STD. DEV.	-	-	-	-

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 100-P		AR-41	KR-85M	KR-87	KR-88	TOTAL KR	STACK I-131	DISS'Y I-131	XE-133	XE-135
	T										
JANUARY	6.375E+03	4.200E+03	9.500E+01	5.000E+01	7.500E+01	2.200E+02	1.300E-05	2.900E-05	3.350E+02	2.400E+02	-
FEBRUARY	2.385E+03	5.340E+03	1.300E+02	8.500E+01	1.200E+02	3.350E+02	-	2.400E-05	4.750E+02	7.000E+01	-
MARCH	2.020E+03	5.340E+03	1.300E+02	8.500E+01	1.200E+02	3.350E+02	1.900E-05	1.980E-04	4.750E+02	7.000E+01	-
APRIL	5.760E+03	-	2.500E+01	-	1.000E+01	3.500E+01	1.240E-04	3.970E-04	3.000E+01	1.000E+01	-
MAY	2.990E+03	1.360E+03	8.500E+01	4.000E+01	5.500E+01	1.800E+02	-	5.600E-05	2.000E+02	1.500E+02	-
JUNE	3.070E+03	3.100E+03	9.500E+01	4.000E+01	6.000E+01	1.950E+02	-	3.100E-04	3.000E+02	1.800E+02	-
JULY	2.290E+03	3.100E+03	9.500E+01	4.000E+01	6.000E+01	1.950E+02	-	3.100E-04	3.000E+02	1.800E+02	-
AUGUST	2.905E+03	3.080E+03	8.500E+01	4.000E+01	6.000E+01	1.850E+02	-	1.650E-04	2.550E+02	2.000E+02	-
SEPTEMBER	2.870E+03	1.750E+03	1.000E+02	3.000E+01	6.000E+01	1.900E+02	6.600E-05	4.090E-04	1.550E+02	1.450E+02	-
OCTOBER	4.160E+03	9.400E+02	5.000E+01	2.000E+01	7.600E+01	1.400E+02	4.400E-05	6.000E-06	1.000E+02	7.000E+01	-
NOVEMBER	2.045E+03	2.250E+03	1.050E+02	5.000E+01	9.000E+01	2.450E+02	-	4.200E-05	4.300E+02	1.700E+02	-
DECEMBER	2.950E+03	7.800E+02	6.000E+01	4.000E+01	1.020E+01	2.020E+02	2.580E-04	1.060E-03	2.100E+02	1.100E+02	-
TOTAL	3.982E+04	3.124E+04	1.055E+03	5.200E+02	8.820E+02	2.457E+03	5.240E-04	3.006E-03	3.265E+03	1.595E+03	-
STD. DEV.	±1.411E+03	±1.616E+03	±3.063E+01	±2.041E+01	±3.093E+01	±7.989E+01	±9.273E-05	±2.954E-04	±1.427E+02	±6.723E+01	-

	TOTAL XE	OTHER R OR G	TOTAL ALPHA	STACK VOLUME	DISS'Y VOLUME
JANUARY	5.750E+02	3.000E-06	3.000E-08	1.214E+11	9.402E+10
FEBRUARY	5.450E+02	6.000E-06	2.500E-07	1.209E+11	9.175E+10
MARCH	5.450E+02	4.000E-06	-	1.217E+11	9.175E+10
APRIL	4.000E+01	1.500E-05	2.500E-07	3.072E+11	1.146E+11
MAY	3.500E+02	8.000E-06	-	5.380E+11	9.600E+10
JUNE	4.800E+02	1.300E-05	1.300E-07	1.512E+11	1.008E+11
JULY	4.800E+02	1.500E-05	1.520E-07	1.585E+11	1.234E+11
AUGUST	4.550E+02	9.000E-06	1.580E-07	1.611E+11	1.008E+11
SEPTEMBER	3.000E+02	1.200E-05	1.800E-07	1.854E+11	1.260E+11
OCTOBER	1.700E+02	1.100E-05	2.100E-07	1.554E+11	1.008E+11
NOVEMBER	6.000E+02	4.000E-06	7.000E-08	1.348E+11	1.008E+11
DECEMBER	3.200E+02	1.100E-05	1.800E-07	2.208E+11	1.260E+11
TOTAL	4.860E+03	1.110E-04	1.602E-06	2.377E+12	1.267E+12
STD. DEV.	±1.731E+02	±4.266E-06	±7.115E-08	±1.193E+11	±1.327E+10

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

LIQUID C PUDGE TO S BASIN										
	T	P-32	S-35	CR-51	CO-58.60	SR-89	SR-90	Y-91	ZR-95 HR-95	RU-103 104
JANUARY	1.644E+03	-	1.840E-02	2.500E-02	-	-	-	-	-	-
FEBRUARY	2.659E+02	-	8.544E-04	1.030E-02	1.868E-04	-	-	-	8.648E-04	-
MARCH	4.064E+01	-	2.800E-05	-	-	-	-	-	3.300E-05	-
APRIL	-	-	-	-	-	-	-	-	-	-
MAY	-	-	-	-	-	-	-	-	-	-
JUNE	2.650E+01	-	-	-	5.000E-05	5.140E-07	-	-	-	-
JULY	-	-	-	-	-	-	-	-	-	-
AUGUST	2.137E+02	-	6.063E-05	1.310E-02	-	-	-	-	1.913E-04	-
SEPTEMBER	1.921E+01	1.900E-06	-	7.039E-03	4.978E-06	2.432E-05	1.976E-05	-	1.900E-05	-
OCTOBER	1.643E+03	-	4.100E-03	9.778E-02	-	1.100E-05	3.300E-05	-	2.233E-04	-
NOVEMBER	-	-	-	-	-	-	-	-	-	-
DECEMBER	-	-	-	-	-	-	-	-	-	-
TOTAL	3.853E+03	1.900E-06	2.344E-02	1.532E-01	2.418E-04	3.563E-05	5.276E-05	-	1.331E-03	-
STD. DEV.	±7.529E+02	-	±7.845E-03	±3.814E-02	±9.472E-05	±1.193E-05	±9.362E-06	-	±3.668E-04	-

SB-124 125									
	T-131	CS-134	CS-137	CE-141 144	PM-147	B OR G	ALPHA	VOLUME	
JANUARY	-	1.051E-02	3.594E-02	2.998E-03	-	4.640E-02	8.700E-05	4.939E+06	-
FEBRUARY	-	-	9.859E-05	2.729E-03	4.413E-04	1.537E-02	1.878E-05	9.389E+05	-
MARCH	-	-	-	1.150E-04	1.920E-05	1.952E-04	6.670E-06	1.989E+06	-
APRIL	-	-	-	-	-	-	-	-	-
MAY	-	-	-	-	-	-	-	-	-
JUNE	-	-	-	-	2.450E-05	7.450E-05	2.300E-06	3.569E+05	-
JULY	-	-	-	-	-	-	-	-	-
AUGUST	-	-	-	-	1.591E-04	1.351E-02	-	4.299E+05	-
SEPTEMBER	-	1.998E-05	1.098E-04	2.998E-05	-	7.120E-03	1.596E-06	3.799E+04	-
OCTOBER	-	2.618E-03	1.490E-02	6.539E-03	-	1.086E-01	5.566E-05	5.159E+06	-
NOVEMBER	-	-	-	-	-	-	-	-	-
DECEMBER	-	-	-	-	-	-	-	-	-
TOTAL	-	1.315E-02	5.105E-02	1.241E-02	6.441E-04	1.913E-01	1.720E-04	1.385E+07	-
STD. DEV.	-	±5.464E-03	±1.695E-02	±2.664E-03	±1.977E-04	±3.915E-02	±3.504E-05	±2.189E+06	-

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

LIQUID C PROCESS SEWER						
	T	CO-58.60	SR-90	CS-137	OTHER B OR G	WATER VOLUME
JANUARY	5.095E+00	-	-	-	-	5.699E+08
FEBRUARY	4.703E+00	-	-	-	-	4.919E+08
MARCH	3.916E+00	-	-	-	-	6.399E+08
APRIL	3.955E+00	-	-	-	-	6.199E+08
MAY	1.315E+00	-	-	-	-	6.419E+08
JUNE	9.529E+00	-	-	-	-	8.299E+08
JULY	1.634E+00	-	-	-	-	6.729E+08
AUGUST	2.451E+00	-	-	-	-	4.219E+08
SEPTEMBER	1.073E+01	-	-	-	-	6.549E+08
OCTOBER	2.357E+00	-	-	-	-	6.539E+08
NOVEMBER	9.426E+00	-	-	-	-	6.399E+08
DECEMBER	1.719E+00	-	-	-	-	6.499E+08
TOTAL	5.684E+01	-	-	-	-	7.487E+09
STD. DEV.	±3.352E+00	-	-	-	-	±9.971E+07

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

LIQUID C RX HX COOLING W		
	T	WATER VOLUME
JANUARY	1.618E+02	3.279E+10
FEBRUARY	1.085E+02	2.623E+10
MARCH	6.061E+01	2.371E+10
APRIL	1.134E+02	3.279E+10
MAY	1.006E+02	2.623E+10
JUNE	9.234E+01	2.377E+10
JULY	1.198E+01	5.724E+09
AUGUST	1.385E+01	4.559E+09
SEPTEMBER	4.065E+01	4.559E+09
OCTOBER	5.288E+00	5.699E+09
NOVEMBER	9.119E+00	4.559E+09
DECEMBER	1.312E+01	4.559E+09
TOTAL	7.314E+02	1.952E+11
STD. DEV.	±5.296E+01	±1.216E+10

- LESS THAN SENSITIVITY OF ANALYSES

* THERE WERE NO RELEASES TO 690-G SEEPAGE BASIN IN 1985

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	LIQUID K RX HX COOLING W	
	T	WATER VOLUME
JANUARY	2.286E+02	2.634E+10
FEBRUARY	1.472E+02	1.751E+10
MARCH	1.433E+02	1.870E+10
APRIL	2.906E+02	3.005E+10
MAY	1.430E+02	1.987E+10
JUNE	1.545E+02	2.066E+10
JULY	2.174E+02	2.693E+10
AUGUST	2.220E+02	2.659E+10
SEPTEMBER	1.863E+02	2.659E+10
OCTOBER	2.892E+02	2.949E+10
NOVEMBER	1.467E+02	1.659E+10
DECEMBER	4.248E+02	3.319E+10
TOTAL	2.594E+03	2.926E+11
STD. DEV.	±8.503E+01	±5.479E+09

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	LIQUID K PURGE TO 904-880									
	T	P-32	S-35	CR-51	CO-58-60	SR-89	SR-90	Y-91	ZR-95 NB-93	RU-103 106
JANUARY	1.434E+03	-	8.421E-03	3.120E-03	-	1.392E-04	6.963E-05	-	2.229E-03	-
FEBRUARY	8.081E+02	-	2.624E-03	1.160E-02	1.049E-03	-	1.467E-04	-	1.245E-02	8.215E-04
MARCH	5.671E+02	-	1.414E-03	4.280E-03	-	-	-	-	3.910E-03	1.536E-04
APRIL	9.202E+02	-	-	2.440E-03	1.606E-04	-	-	-	6.758E-03	3.879E-05
MAY	6.500E+01	-	3.595E-05	4.110E-04	-	-	1.530E-05	-	3.368E-04	-
JUNE	2.622E+02	-	-	-	8.797E-03	-	-	-	3.695E-03	-
JULY	1.531E+02	2.771E-05	-	-	-	-	-	-	-	-
AUGUST	9.324E+02	-	2.415E-04	7.373E-04	-	-	2.254E-04	-	-	-
SEPTEMBER	-	-	-	-	-	-	-	-	-	-
OCTOBER	1.754E+02	-	-	6.112E-04	-	-	-	-	-	-
NOVEMBER	-	-	-	-	-	-	-	-	-	-
DECEMBER	1.338E+03	8.000E-05	8.000E-06	1.012E-03	-	-	-	-	-	-
TOTAL	6.657E+03	1.077E-04	1.274E-02	2.421E-02	1.000E-02	1.392E-04	4.570E-04	-	2.938E-02	1.014E-03
STD. DEV.	±4.983E+02	±3.697E-05	±3.249E-03	±5.729E-03	±4.750E-03	-	±9.163E-05	-	±4.262E-03	±4.226E-04

	SB-124 123	I-131	CS-134	CS-137	CE-141 144	PM-147	B OR G	ALPHA	VOLUME
JANUARY	6.785E-04	-	-	1.067E-03	4.139E-04	-	1.500E-02	1.864E-03	3.432E+06
FEBRUARY	-	-	-	9.128E-04	9.780E-03	2.290E-03	4.061E-02	2.037E-03	1.629E+06
MARCH	-	1.504E-04	4.592E-04	5.459E-03	1.542E-03	6.432E-04	1.209E-02	7.920E-04	1.599E+06
APRIL	-	8.219E-04	-	2.191E-03	4.826E-03	1.266E-03	1.631E-02	5.647E-04	3.175E+06
MAY	-	-	-	6.298E-05	1.950E-04	5.278E-05	1.031E-03	8.058E-05	2.549E+05
JUNE	-	-	-	-	7.798E-03	3.007E-03	2.330E-02	5.200E-05	9.699E+06
JULY	-	-	-	-	-	1.211E-04	1.488E-04	2.977E-04	4.469E+05
AUGUST	-	-	-	-	-	2.254E-04	1.268E-03	8.726E-04	3.219E+06
SEPTEMBER	-	-	-	-	-	-	-	-	-
OCTOBER	-	7.770E-04	-	3.934E-04	-	-	1.782E-03	1.400E-04	5.179E+05
NOVEMBER	-	-	-	-	-	-	-	-	-
DECEMBER	9.320E-04	-	-	1.680E-03	-	-	2.032E-03	1.840E-04	3.999E+06
TOTAL	1.610E-03	1.749E-03	4.592E-04	1.176E-02	2.455E-02	7.406E-03	1.135E-01	6.885E-03	2.797E+07
STD. DEV.	±1.791E-04	±3.754E-04	-	±1.815E-03	±4.045E-03	±1.162E-03	±1.312E-02	±7.261E-04	±2.784E+06

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	LIQUID K PROCESS SEWER					
	T	CO-58-60	SR-90	CS-137	OTHER B OR G	WATER VOLUME
JANUARY	3.122E+00	-	-	-	-	4.219E+08
FEBRUARY	3.632E+00	-	-	-	-	3.799E+08
MARCH	1.079E+00	-	-	-	-	4.219E+08
APRIL	6.520E-01	-	-	-	-	4.099E+08
MAY	1.299E+00	-	-	-	-	4.199E+08
JUNE	2.750E+00	-	-	-	-	4.089E+08
JULY	2.934E+00	-	-	-	-	4.219E+08
AUGUST	2.807E+00	-	-	-	-	6.749E+08
SEPTEMBER	1.700E+00	-	-	-	-	4.079E+08
OCTOBER	3.250E+01	-	-	-	-	4.219E+08
NOVEMBER	8.613E+00	-	-	-	-	1.959E+08
DECEMBER	4.535E+01	-	-	-	-	1.679E+08
TOTAL	1.064E+02	-	-	-	-	4.753E+09
STD. DEV.	±1.445E+01	-	-	-	-	±1.257E+08

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	LIQUID PROCESS SEWER							WATER VOLUME
	T	CO-58.60	CD-60	SR-90	CS-137	OTHER B OR G	ALPHA	
JANUARY	2.740E-01	-	-	-	-	-	-	2.467E+08
FEBRUARY	7.390E-01	-	-	-	-	-	-	2.179E+08
MARCH	2.130E-01	-	1.600E-05	1.000E-06	-	1.600E-05	3.400E-05	2.539E+08
APRIL	6.040E-01	-	-	-	-	-	-	2.399E+08
MAY	3.800E-02	-	5.000E-06	1.000E-06	-	5.000E-06	-	3.619E+06
JUNE	6.750E-01	-	9.500E-05	2.000E-06	-	9.500E-05	-	3.199E+08
JULY	2.230E-01	-	4.100E-05	1.000E-06	-	4.100E-05	-	1.579E+05
AUGUST	4.300E-01	-	1.130E-04	1.300E-05	-	1.130E-04	1.890E-04	6.139E+08
SEPTEMBER	2.060E-01	-	-	-	-	-	-	3.489E+08
OCTOBER	1.652E+00	-	1.700E-05	-	-	1.700E-05	-	5.799E+08
NOVEMBER	1.500E+00	-	-	-	-	-	-	8.199E+08
DECEMBER	1.119E+00	-	-	-	-	-	-	6.369E+08
TOTAL	7.674E+00	-	2.870E-04	1.800E-05	-	2.870E-04	2.230E-04	4.282E+09
STD. DEV.	±5.303E-01	-	±4.542E-05	±5.272E-06	-	±4.542E-05	±1.096E-04	±2.554E+08

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	LIQUID PURGE TO S BASIN									ZR-95 NB-95	RU-103 106
	T	P-32	S-35	CR-51	CO-58.60	SR-89	SR-90	Y-91			
JANUARY	-	-	-	-	-	-	-	-	-	-	-
FEBRUARY	-	-	-	-	-	-	-	-	-	-	-
MARCH	-	-	-	-	-	-	-	-	-	-	-
APRIL	-	-	-	-	-	-	-	-	-	-	-
MAY	-	-	-	-	-	-	-	-	-	-	-
JUNE	-	-	-	-	-	-	-	-	-	-	-
JULY	-	-	-	-	-	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-	-	-	-	-	-
SEPTEMBER	-	-	-	-	-	-	-	-	-	-	-
OCTOBER	-	-	-	-	-	-	-	-	-	-	-
NOVEMBER	-	-	-	-	-	-	-	-	-	-	-
DECEMBER	1.302E+00	8.432E-06	-	1.781E-04	8.906E-05	3.162E-06	-	2.055E-05	6.640E-05	1.623E-04	-
TOTAL	1.302E+00	8.432E-06	-	1.781E-04	8.906E-05	3.162E-06	-	2.055E-05	6.640E-05	1.623E-04	-
STD. DEV.	-	-	-	-	-	-	-	-	-	-	-

	I-131	CS-134	CS-137	CE-141 144	PM-147	OTHER B OR G	ALPHA	WATER VOLUME
JANUARY	-	-	-	-	-	-	-	-
FEBRUARY	-	-	-	-	-	-	-	-
MARCH	-	-	-	-	-	-	-	-
APRIL	-	-	-	-	-	-	-	-
MAY	-	-	-	-	-	-	-	-
JUNE	-	-	-	-	-	-	-	-
JULY	-	-	-	-	-	-	-	-
AUGUST	-	-	-	-	-	-	-	-
SEPTEMBER	-	-	-	-	-	-	-	-
OCTOBER	-	-	-	-	-	-	-	-
NOVEMBER	-	-	-	-	-	-	-	-
DECEMBER	1.897E-05	1.686E-05	1.502E-04	2.740E-05	3.162E-05	6.060E-04	-	5.269E+05
TOTAL	1.897E-05	1.686E-05	1.502E-04	2.740E-05	3.162E-05	6.060E-04	-	5.269E+05
STD. DEV.	-	-	-	-	-	-	-	-

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

LIQUID P. PUROF TO S. BASIN										
	T	P-32	S-35	CR-51	CO-58.60	SR-89	SR-90	Y-91	ZR-95 NR-95	RU-103 106
JANUARY	3.483E+02	2.951E-04	8.680E-04	-	-	-	-	-	-	-
FEBRUARY	9.277E+02	-	2.431E-03	2.770E-02	-	-	-	-	3.192E-03	-
MARCH	1.360E+03	-	1.244E-03	3.172E-02	-	-	-	-	2.866E-02	-
APRIL	1.996E+02	1.856E-04	-	2.439E-04	-	2.700E-04	1.080E-05	-	2.919E-04	-
MAY	1.128E+03	-	7.585E-04	2.071E-02	1.900E-04	4.491E-05	7.400E-05	-	1.343E-02	8.107E-04
JUNE	1.704E+01	-	-	-	-	-	-	-	1.213E-03	-
JULY	1.268E+03	1.228E-05	1.590E-03	2.430E-03	1.299E-04	2.197E-03	1.352E-05	-	5.038E-02	2.335E-03
AUGUST	-	-	-	-	-	-	-	-	-	-
SEPTEMBER	5.920E+02	-	-	1.229E-02	-	5.200E-05	-	2.238E-03	2.314E-03	-
OCTOBER	4.247E+01	-	1.920E-05	1.310E-03	3.504E-05	1.120E-05	8.000E-06	-	4.656E-04	-
NOVEMBER	-	-	-	-	-	-	-	-	-	-
DECEMBER	-	-	-	-	-	-	-	-	-	-
TOTAL	5.884E+03	4.930E-04	6.911E-03	9.641E-02	3.550E-04	2.576E-03	1.061E-04	2.238E-03	9.995E-02	3.146E-03
STD. DEV.	±5.314E+02	±1.426E-04	±8.192E-04	±1.312E-02	±7.814E-05	±9.461E-04	±3.172E-05	-	±1.816E-02	±1.078E-03

	SB-124 125	I-131	CS-134	CS-137	CE-141 144	PM-147	B OR G	ALPHA	VOLUME
JANUARY	-	-	-	-	-	-	1.163E-03	1.364E-05	1.239E+06
FEBRUARY	-	1.050E-02	-	4.801E-03	1.168E-02	1.201E-03	5.671E-02	7.104E-05	3.734E+06
MARCH	-	1.479E-02	-	1.785E-02	2.743E-02	4.539E-03	1.084E-01	2.550E-04	5.099E+06
APRIL	-	-	-	7.290E-05	6.939E-04	-	1.685E-03	7.812E-06	6.509E+05
MAY	-	2.309E-03	7.751E-04	1.625E-02	1.041E-02	1.706E-03	5.037E-02	8.825E-05	4.344E+06
JUNE	3.600E-05	-	-	-	9.698E-05	3.225E-05	1.378E-03	8.856E-06	7.199E+04
JULY	2.989E-05	-	2.949E-04	6.051E-03	5.758E-03	1.086E-03	6.810E-02	3.891E-04	5.747E+06
AUGUST	-	-	-	-	-	-	-	-	-
SEPTEMBER	-	-	-	3.744E-03	-	1.040E-03	1.570E-02	2.080E-05	2.599E+06
OCTOBER	-	-	8.960E-06	1.406E-03	5.040E-04	-	2.353E-03	6.080E-06	1.599E+05
NOVEMBER	-	-	-	-	-	-	-	-	-
DECEMBER	-	-	-	-	-	-	-	-	-
TOTAL	6.589E-05	2.760E-02	1.079E-03	5.017E-02	5.659E-02	9.605E-03	3.058E-01	8.606E-04	2.365E+07
STD. DEV.	±4.316E-06	±6.340E-03	±3.871E-04	±7.055E-03	±9.783E-03	±1.539E-03	±3.873E-02	±1.359E-04	±2.193E+06

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

LIQUID P. PROCESS SEWER							
	T	CO-58.60	SR-90	CS-137	OTHER B OR G	ALPHA	WATER VOLUME
JANUARY	9.781E+00	-	-	-	-	-	4.389E+08
FEBRUARY	1.370E+01	-	-	-	-	-	3.959E+08
MARCH	7.020E+00	-	-	-	-	-	4.409E+08
APRIL	2.787E+01	-	-	-	-	-	4.099E+08
MAY	4.177E+00	-	-	-	-	-	2.099E+08
JUNE	3.211E+01	-	-	-	-	-	6.799E+08
JULY	2.429E+00	-	-	-	-	-	7.129E+08
AUGUST	1.914E+01	-	-	-	-	-	7.109E+08
SEPTEMBER	1.772E+01	-	-	-	-	-	6.879E+08
OCTOBER	7.052E+00	-	-	-	-	-	7.099E+08
NOVEMBER	4.641E+01	-	-	-	-	-	6.889E+08
DECEMBER	1.414E+01	-	-	-	-	-	7.299E+08
TOTAL	1.976E+02	-	-	-	-	-	6.816E+09
STD. DEV.	±1.325E+01	-	-	-	-	-	±1.770E+08

- LESS THAN SENSITIVITY OF ANALYSES

REACTOR AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

LIQUID P. RX. MX. COOLING W.		
	T	WATER VOLUME
JANUARY	6.838E+01	2.749E+10
FEBRUARY	1.800E+02	2.498E+10
MARCH	1.725E+02	2.184E+10
APRIL	2.989E+01	9.629E+09
MAY	8.170E+01	1.084E+10
JUNE	4.480E+01	2.184E+10
JULY	7.036E+01	3.079E+10
AUGUST	6.971E+01	2.659E+10
SEPTEMBER	7.488E+01	1.999E+10
OCTOBER	1.316E+02	2.709E+10
NOVEMBER	7.287E+01	1.620E+10
DECEMBER	1.167E+02	3.249E+10
TOTAL	1.113E+03	2.700E+11
STD. DEV.	±4.745E+01	±7.311E+09

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

**ATMOSPHERIC
200-F STACKS**

	<u>T</u>	<u>CO-58</u>	<u>CO-60</u>	<u>SR-89</u> <u>90</u>	<u>ZR-95</u>	<u>NR-95</u>	<u>RU-103</u>	<u>RU-106</u>	<u>I-131</u>	<u>CS-137</u>
JANUARY	-	-	-	1.840E-04	4.227E-03	7.898E-03	6.475E-03	9.162E-03	1.469E-02	-
FEBRUARY	-	-	-	1.240E-04	2.100E-04	6.760E-04	2.400E-04	5.780E-04	1.524E-02	-
MARCH	-	-	-	1.130E-04	1.440E-04	1.410E-04	5.000E-05	9.500E-05	1.109E-03	-
APRIL	-	-	-	1.100E-05	2.770E-04	6.790E-04	1.210E-04	4.490E-04	3.600E-05	-
MAY	-	-	-	8.500E-05	6.090E-04	1.004E-03	1.970E-04	9.860E-04	4.610E-04	-
JUNE	-	-	-	6.000E-05	1.869E-03	4.762E-03	2.110E-04	6.970E-04	9.930E-04	-
JULY	-	-	-	3.640E-04	2.161E-03	3.095E-03	3.010E-04	7.910E-04	9.273E-03	-
AUGUST	-	-	-	2.740E-04	1.839E-03	7.250E-03	5.980E-04	1.276E-03	1.077E-02	-
SEPTEMBER	-	-	-	2.770E-04	1.200E-03	6.071E-03	5.760E-04	1.895E-03	2.197E-03	-
OCTOBER	-	-	-	8.700E-05	3.920E-04	9.800E-04	7.200E-05	2.530E-04	2.620E-04	-
NOVEMBER	-	-	-	1.700E-05	1.390E-04	1.820E-04	6.700E-05	3.530E-04	5.000E-06	-
DECEMBER	-	-	-	9.000E-06	5.300E-05	2.070E-04	1.800E-05	1.960E-04	-	-
TOTAL	-	-	-	1.605E-03	1.312E-02	3.294E-02	8.926E-03	1.673E-02	5.505E-02	-
STD. DEV.	-	-	-	±1.169E-04	±1.250E-03	±2.963E-03	±1.814E-03	±2.498E-03	±6.183E-03	-

	<u>CS-137</u>	<u>CE-141</u>	<u>CE-144</u>	<u>OTHER</u> <u>B OR G</u>	<u>AM-241</u> <u>243</u>	<u>CM-242</u> <u>244</u>	<u>U-235</u> <u>238</u>	<u>PU-238</u> <u>239</u>	<u>PU-238</u>	<u>PU-239</u>
JANUARY	3.497E-03	3.405E-03	4.058E-02	-	2.300E-05	2.500E-05	8.800E-05	2.400E-05	6.000E-06	1.800E-05
FEBRUARY	5.700E-05	5.000E-06	2.950E-04	2.000E-06	1.100E-05	1.200E-05	4.000E-05	1.100E-05	3.000E-06	8.000E-06
MARCH	6.600E-05	-	6.700E-05	-	1.600E-05	9.000E-06	4.900E-05	6.900E-05	7.000E-06	6.200E-05
APRIL	6.000E-06	-	8.000E-05	-	3.000E-06	2.000E-06	7.100E-05	1.400E-05	4.000E-06	1.000E-05
MAY	1.390E-04	3.000E-06	2.640E-04	-	2.600E-05	1.100E-05	9.800E-05	3.900E-05	2.200E-05	1.700E-05
JUNE	1.170E-04	2.100E-05	6.770E-04	-	1.100E-05	1.000E-06	1.210E-04	1.600E-05	3.000E-06	1.300E-05
JULY	2.260E-04	1.100E-05	1.027E-03	-	4.100E-05	5.500E-05	1.620E-04	2.100E-04	1.290E-04	8.100E-05
AUGUST	1.860E-04	7.400E-05	1.542E-03	-	3.600E-05	6.700E-05	8.200E-05	9.000E-05	3.500E-05	5.500E-05
SEPTEMBER	2.670E-04	1.040E-04	2.733E-03	1.000E-06	9.000E-06	2.000E-05	1.510E-04	6.100E-05	1.700E-05	4.400E-05
OCTOBER	3.100E-05	1.000E-05	2.300E-04	-	7.000E-06	7.000E-06	1.460E-04	4.900E-05	2.100E-05	2.800E-05
NOVEMBER	2.600E-05	1.600E-05	8.400E-05	4.600E-05	4.000E-06	6.000E-06	9.330E-04	1.240E-04	6.100E-05	6.300E-05
DECEMBER	1.600E-05	-	8.000E-05	1.000E-05	2.000E-06	5.000E-06	1.850E-04	4.800E-05	2.400E-05	2.400E-05
TOTAL	4.634E-03	3.649E-03	4.746E-02	5.900E-05	1.890E-04	2.200E-04	2.126E-03	7.550E-04	3.320E-04	4.230E-04
STD. DEV.	±9.834E-04	±1.125E-03	±1.155E-02	±2.121E-05	±1.301E-05	±2.124E-05	±2.423E-04	±5.715E-05	±3.606E-05	±2.473E-05

**AIR
VOLUME**

JANUARY	3.421E+11
FEBRUARY	3.421E+11
MARCH	4.276E+11
APRIL	3.421E+11
MAY	3.421E+11
JUNE	8.552E+10
JULY	8.552E+10
AUGUST	3.421E+11
SEPTEMBER	4.276E+11
OCTOBER	3.421E+11
NOVEMBER	3.421E+11
DECEMBER	4.276E+11
TOTAL	3.848E+12
STD. DEV.	±1.160E+11

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 200-H STACKS											
	T	CO-58	CO-60	SR-89 90	ZR-95	NB-95	RU-103	RU-104	I-131	CS-134	
JANUARY	7.128E+04	-	-	1.000E-05	9.800E-04	6.550E-04	2.930E-04	3.186E-03	1.000E-06	-	
FEBRUARY	2.716E+04	-	-	2.300E-05	1.195E-03	7.710E-04	7.950E-04	1.205E-02	2.500E-05	-	
MARCH	5.547E+04	-	-	2.100E-05	1.932E-03	1.120E-03	3.930E-04	7.545E-03	2.800E-05	1.600E-05	
APRIL	2.789E+04	-	-	1.700E-05	1.687E-03	1.304E-03	2.900E-03	3.640E-04	-	6.000E-06	
MAY	2.482E+04	-	-	5.000E-06	2.340E-03	1.886E-03	8.300E-05	7.830E-04	4.000E-06	3.000E-06	
JUNE	2.363E+04	-	-	1.500E-05	2.408E-03	2.122E-03	5.600E-05	3.220E-04	6.400E-05	-	
JULY	2.610E+04	-	-	1.600E-05	1.162E-03	1.249E-03	1.340E-04	1.990E-04	4.000E-05	-	
AUGUST	2.689E+04	-	-	1.300E-05	3.128E-03	3.560E-03	1.430E-04	7.480E-04	-	-	
SEPTEMBER	2.621E+04	-	-	2.100E-05	8.010E-04	8.080E-04	1.150E-04	5.940E-04	-	-	
OCTOBER	2.033E+04	-	-	7.000E-06	1.580E-04	9.630E-04	4.000E-06	2.150E-04	2.000E-06	-	
NOVEMBER	2.633E+04	-	-	1.100E-05	2.420E-04	7.330E-04	4.000E-06	2.760E-04	-	-	
DECEMBER	1.955E+04	-	-	8.000E-06	4.290E-04	5.690E-04	6.000E-05	2.880E-04	-	5.000E-06	
TOTAL	3.753E+05	-	-	1.670E-04	1.606E-02	1.574E-02	2.109E-03	2.657E-02	1.640E-04	3.000E-05	
STD. DEV.	±1.558E+04	-	-	±5.915E-06	±9.244E-04	±8.563E-04	±2.271E-04	±3.759E-03	±2.339E-05	±5.802E-06	
	CS-137	CE-141	CE-144	OTHER B OR G	AM-241 243	CM-242 244	U-235 238	PU-238 239	PU-238	PU-239	
JANUARY	2.100E-05	-	2.060E-04	-	1.100E-05	1.200E-05	6.400E-05	5.200E-05	3.700E-05	1.500E-05	
FEBRUARY	3.800E-05	-	5.690E-04	-	1.100E-05	1.000E-06	5.400E-05	3.100E-05	2.400E-05	7.000E-06	
MARCH	4.000E-05	-	8.420E-04	-	5.000E-06	3.000E-06	5.600E-05	3.700E-05	2.600E-05	1.100E-05	
APRIL	3.200E-05	-	4.900E-04	-	1.200E-05	4.000E-06	2.800E-05	3.400E-05	2.700E-05	7.000E-06	
MAY	2.400E-04	2.000E-06	2.090E-04	1.940E-04	1.700E-05	4.000E-06	2.700E-05	1.800E-05	1.500E-05	3.000E-06	
JUNE	4.900E-05	-	1.770E-04	-	1.320E-04	2.000E-06	1.600E-05	1.400E-05	1.200E-05	2.000E-06	
JULY	5.000E-06	-	1.200E-05	-	1.600E-05	-	7.000E-06	1.100E-05	1.000E-05	1.000E-06	
AUGUST	8.000E-06	-	9.600E-05	-	1.600E-05	-	1.400E-05	6.000E-06	5.000E-06	1.000E-06	
SEPTEMBER	3.200E-05	-	2.300E-04	-	4.000E-06	-	1.600E-05	1.900E-05	1.400E-05	5.000E-06	
OCTOBER	2.400E-05	-	7.600E-05	-	6.000E-06	-	6.000E-06	6.000E-06	6.000E-06	-	
NOVEMBER	1.200E-05	-	7.500E-05	-	4.000E-06	-	6.000E-06	1.100E-05	9.000E-06	2.000E-06	
DECEMBER	4.000E-05	2.000E-06	4.080E-04	-	3.000E-06	-	1.056E-04	4.700E-05	2.700E-05	2.000E-05	
TOTAL	5.410E-04	4.000E-06	3.390E-03	1.940E-04	2.370E-04	2.600E-05	3.990E-04	2.860E-04	2.120E-04	7.400E-05	
STD. DEV.	±6.29E-05	-	±2.472E-04	-	±3.571E-05	±3.932E-06	±3.052E-05	±1.589E-05	±1.018E-05	±6.246E-06	

- INSUFFICIENT DATA

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

**LIQUID
200-F SEEPAGE BASIN**

	T	CR-51	CO-58	CO-60	SR-89 90	SR-89	SR-90	ZR-95	NB-95	RU-103
JANUARY	6.041E+02	-	-	-	7.518E-03	3.000E-03	5.000E-03	2.512E+00	1.983E+00	5.873E-01
FEBRUARY	9.152E+02	-	-	-	1.697E-02	4.000E-03	1.300E-02	2.832E+00	2.167E+00	1.662E-02
MARCH	5.937E+02	-	-	-	4.901E-03	1.000E-03	4.000E-03	6.024E-01	5.210E-01	-
APRIL	4.173E+02	-	-	-	1.711E-03	-	2.000E-03	1.333E-01	1.732E-01	-
MAY	1.065E+03	-	-	-	2.765E-02	2.000E-03	2.600E-02	1.307E+00	1.236E+00	1.934E-02
JUNE	1.272E+03	-	-	-	1.200E-02	-	1.500E-02	6.080E-01	2.380E-01	2.100E-02
JULY	5.893E+02	-	-	-	5.000E-03	-	6.000E-03	2.530E-01	2.970E-01	6.400E-02
AUGUST	6.628E+02	-	-	-	5.445E-03	-	5.000E-03	4.464E-01	4.030E-01	3.944E-02
SEPTEMBER	8.859E+02	-	-	-	6.273E-03	1.000E-03	5.000E-03	5.721E-01	5.577E-01	1.549E-02
OCTOBER	4.731E+02	-	-	-	6.062E-03	-	1.400E-02	7.112E-01	5.949E-01	-
NOVEMBER	1.632E+03	-	-	-	5.320E-03	-	6.000E-03	1.570E-01	1.903E-01	-
DECEMBER	7.813E+02	-	-	-	3.915E-03	-	4.000E-03	3.409E-02	7.909E-02	9.576E-04
TOTAL	9.894E+03	-	-	-	1.027E-01	1.100E-02	1.050E-01	1.017E+01	8.441E+00	7.642E-01
STD. DEV.	±3.565E+02	-	-	-	±7.227E-03	±1.303E-03	±6.942E-03	±9.194E-01	±7.096E-01	±1.996E-01

	RU-106	I-131	CS-134	CS-137	CE-141	CE-144	PM-147	OTHER B OR G	AM-241 243	CM-242 244
JANUARY	1.460E+00	-	-	5.108E-02	-	-	-	-	5.442E-04	5.457E-04
FEBRUARY	5.435E-02	-	-	9.727E-03	-	1.733E-02	6.000E-02	-	2.559E-03	2.642E-03
MARCH	-	-	-	7.392E-02	-	6.800E-03	9.000E-03	-	5.587E-04	1.150E-03
APRIL	1.630E-02	-	-	1.683E-01	-	-	2.000E-03	-	8.037E-04	8.736E-04
MAY	1.599E-01	-	-	3.614E-01	-	7.923E-02	3.100E-02	-	2.883E-03	7.416E-03
JUNE	2.000E-02	-	-	4.830E-01	-	2.000E-03	1.800E-02	-	3.000E-03	1.000E-03
JULY	2.250E-01	-	-	5.120E-01	-	1.100E-02	1.100E-02	-	1.000E-03	1.000E-03
AUGUST	1.345E-01	3.307E-03	-	8.923E-02	-	5.622E-03	1.600E-02	-	7.822E-04	2.514E-03
SEPTEMBER	6.082E-02	-	-	3.892E-01	-	3.398E-02	-	-	1.877E-04	6.341E-04
OCTOBER	-	-	-	3.653E-01	-	1.063E-02	-	-	3.830E-04	1.342E-03
NOVEMBER	5.298E-02	-	-	1.888E-01	-	-	-	-	4.785E-04	1.625E-03
DECEMBER	3.633E-02	-	-	1.102E-01	-	4.210E-03	-	-	6.928E-04	2.868E-03
TOTAL	2.220E+00	3.307E-03	-	2.802E+00	-	1.706E-01	1.470E-01	-	1.387E-02	2.361E-02
STD. DEV.	±4.402E-01	-	-	±1.780E-01	-	±2.455E-02	±1.940E-02	-	±1.026E-03	±1.890E-03

	U-235 238	PU-238	PU-239	TOTAL ALPHA	WATER VOLUME
JANUARY	5.278E-03	9.323E-04	8.293E-04	8.129E-03	8.929E+06
FEBRUARY	2.304E-02	3.620E-03	4.024E-03	3.589E-02	1.741E+07
MARCH	1.453E-03	4.839E-04	1.551E-03	5.197E-03	6.419E+06
APRIL	2.465E-03	5.173E-04	1.102E-03	3.762E-03	6.589E+06
MAY	1.701E-02	3.274E-03	4.097E-03	3.469E-02	1.566E+07
JUNE	3.000E-03	2.000E-03	1.000E-03	1.000E-02	1.306E+07
JULY	1.700E-02	1.000E-03	2.000E-03	2.170E-02	1.093E+07
AUGUST	5.705E-03	7.304E-04	6.998E-04	1.043E-02	1.372E+07
SEPTEMBER	6.201E-03	5.463E-04	5.637E-04	8.133E-03	1.249E+07
OCTOBER	1.071E-02	1.340E-03	7.554E-04	1.453E-02	1.103E+07
NOVEMBER	1.840E-02	2.691E-03	2.494E-03	2.569E-02	1.939E+07
DECEMBER	4.736E-03	1.247E-03	9.661E-04	1.033E-02	1.425E+07
TOTAL	1.150E-01	1.838E-02	2.008E-02	1.898E-01	1.499E+08
STD. DEV.	±7.380E-03	±1.106E-03	±1.250E-03	±1.091E-02	±4.000E+06

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

**LIQUID
200-F EFFLUENT**

	T	SR-89 90	CS-134 137	OTHER B OR G	TOTAL ALPHA	WATER VOLUME
JANUARY	4.290E-01	9.640E-04	7.720E-04	6.062E-03	4.860E-04	1.928E+08
FEBRUARY	1.546E+00	1.951E-03	8.360E-04	7.441E-03	7.980E-04	2.786E+08
MARCH	9.880E-01	5.180E-04	8.640E-04	4.564E-03	6.270E-04	1.726E+08
APRIL	7.740E-01	5.420E-04	5.420E-04	2.326E-03	2.420E-04	1.807E+08
MAY	8.300E-01	1.570E-03	5.710E-04	3.013E-03	2.440E-04	1.429E+08
JUNE	1.174E+00	1.890E-03	2.429E-03	5.854E-03	2.860E-04	2.699E+08
JULY	1.663E+00	1.790E-03	1.566E-03	1.278E-02	3.600E-04	2.236E+08
AUGUST	1.098E+00	9.830E-04	5.620E-04	1.629E-02	3.250E-04	1.404E+08
SEPTEMBER	1.626E+00	5.360E-04	2.857E-03	1.075E-02	4.190E-04	1.785E+08
OCTOBER	4.920E-01	1.650E-04	2.467E-03	3.491E-03	4.080E-04	1.64E+08
NOVEMBER	1.090E+00	1.277E-03	2.298E-03	6.528E-03	3.250E-04	2.552E+08
DECEMBER	9.970E-01	1.700E-03	3.750E-03	6.842E-03	6.170E-04	3.404E+08
TOTAL	1.271E+01	1.388E-02	1.951E-02	8.595E-02	5.137E-03	2.541E+09
STD. DEV.	±4.049E-01	±6.231E-04	±1.094E-03	±4.179E-03	±1.733E-04	±6.213E+07

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID
200-H SEEPAGE BASIN

	T	CR-51	CO-58	CO-60	ZN-65	SR-89 90	SR-89	SR-90	ZR-93	NR-95
JANUARY	5.771E+02	-	-	-	5.751E-04	8.386E-04	-	1.000E-03	9.906E-04	3.990E-04
FEBRUARY	1.464E+03	-	-	-	-	9.900E-04	-	1.000E-03	6.741E-04	7.783E-04
MARCH	2.711E+03	2.338E-04	3.504E-05	7.130E-04	6.142E-04	5.716E-04	-	1.000E-03	4.499E-03	3.814E-03
APRIL	1.475E+03	-	-	3.373E-04	1.220E-03	3.886E-03	-	2.000E-03	6.712E-02	1.039E-01
MAY	1.057E+03	-	-	-	-	3.832E-04	-	1.000E-03	4.798E-03	1.156E-02
JUNE	4.218E+02	-	-	-	1.000E-03	-	-	2.000E-03	-	-
JULY	2.564E+02	1.400E-02	-	7.000E-03	-	3.000E-03	-	2.000E-03	-	-
AUGUST	8.414E+02	8.279E-01	9.909E-04	8.905E-02	-	1.007E-03	-	1.700E-02	2.816E-03	5.489E-03
SEPTEMBER	1.169E+03	1.923E+00	4.020E-03	9.204E-02	-	3.392E-03	-	5.000E-03	9.458E-04	5.246E-03
OCTOBER	1.800E+02	-	-	-	-	3.900E-03	-	1.400E-02	5.997E-03	8.019E-03
NOVEMBER	2.150E+02	3.411E-01	9.996E-05	3.498E-02	-	9.793E-04	-	1.000E-03	3.001E-03	1.396E-02
DECEMBER	2.043E+03	4.443E-01	1.181E-03	5.481E-02	-	1.106E-03	-	1.000E-03	-	-
TOTAL	1.241E+04	3.551E+00	6.527E-03	2.809E-01	3.410E-03	2.005E-02	-	4.800E-02	9.085E-02	1.531E-01
STD. DEV.	±7.896E+02	±7.208E-01	±1.623E-03	±3.989E-02	±3.115E-04	±1.400E-03	-	±5.526E-03	±2.146E-02	±3.289E-02

	RU-103	RU-106	SB-124 125	I-131	CS-134	CS-137	CE-141	CE-144	PM-147	OTHER B OR G
JANUARY	-	4.463E-03	-	-	8.860E-04	5.273E-02	-	2.981E-03	-	-
FEBRUARY	-	4.896E-03	-	-	1.695E-03	4.942E-02	-	2.509E-03	-	-
MARCH	-	6.231E-03	-	-	2.492E-04	4.579E-02	-	2.638E-03	2.000E-03	1.407E-05
APRIL	-	-	-	-	1.999E-04	4.533E-02	-	8.733E-03	3.000E-03	-
MAY	-	-	-	-	-	6.705E-02	-	-	6.000E-03	-
JUNE	-	-	-	-	-	1.050E-01	-	-	3.000E-03	1.000E-02
JULY	-	-	-	-	3.000E-03	2.540E-01	-	-	1.000E-02	-
AUGUST	-	1.390E+00	2.701E-03	-	1.208E-02	6.738E-01	-	-	1.280E-01	-
SEPTEMBER	3.721E-03	2.647E+00	6.209E-03	-	1.127E-02	6.059E-01	-	-	-	-
OCTOBER	-	1.454E+00	-	-	3.844E-03	4.076E-01	-	-	-	-
NOVEMBER	-	1.304E-01	-	-	7.350E-03	4.279E-01	-	-	-	-
DECEMBER	4.370E-04	1.026E-01	-	-	1.248E-02	5.486E-01	-	-	1.170E-01	-
TOTAL	4.158E-03	5.742E+00	8.910E-03	-	5.366E-02	3.283E+00	-	1.686E-02	2.690E-01	1.001E-02
STD. DEV.	±2.322E-03	±9.977E-01	±2.480E-03	-	±5.043E-03	±2.454E-01	-	±3.018E-03	±5.758E-02	±7.061E-03

	AM-241 243	CM-242 244	U-235 238	PU-238	PU-239	TOTAL ALPHA	WATER VOLUME
JANUARY	3.128E-05	2.848E-05	3.516E-05	9.018E-05	1.056E-05	1.956E-04	6.679E+06
FEBRUARY	1.173E-04	9.092E-05	1.797E-04	3.964E-04	5.047E-05	8.349E-04	1.365E+07
MARCH	2.977E-04	4.147E-05	1.542E-04	3.467E-04	3.050E-05	8.707E-04	7.439E+06
APRIL	5.535E-05	3.761E-05	1.601E-04	1.604E-03	6.540E-05	1.923E-03	1.582E+07
MAY	1.002E-03	2.356E-03	2.862E-03	5.733E-04	-	3.961E-03	2.796E+07
JUNE	3.000E-03	1.000E-03	-	-	-	4.000E-03	2.695E+07
JULY	3.000E-03	-	1.000E-03	1.000E-03	-	4.000E-03	2.746E+07
AUGUST	7.562E-04	4.012E-05	2.530E-05	1.321E-03	2.048E-05	2.212E-03	2.475E+07
SEPTEMBER	2.924E-04	-	1.032E-05	1.227E-03	6.880E-06	1.537E-03	1.583E+07
OCTOBER	1.223E-04	-	6.101E-04	2.050E-04	-	9.385E-04	1.354E+07
NOVEMBER	1.755E-04	1.448E-04	3.461E-04	6.977E-04	2.482E-05	1.389E-03	1.522E+07
DECEMBER	1.264E-04	3.636E-05	3.223E-04	1.250E-04	4.040E-06	1.058E-03	1.673E+07
TOTAL	8.977E-03	3.776E-03	2.872E-03	7.590E-03	2.131E-04	2.292E-02	2.185E+08
STD. DEV.	±1.091E-03	±7.908E-04	±3.050E-04	±5.246E-04	±2.166E-05	±1.358E-03	±7.493E+06

- LESS THAN SENSITIVITY OF ANALYSES

SEPARATIONS AREA RADIOACTIVE RELEASES FOR 1983
CURIES - (VOLUME, LITERS)

LIQUID
200-H EFFLUENT

	T	SR-89 90	CS-134 137	OTHER B OR G	TOTAL ALPHA	WATER VOLUME
JANUARY	3.836E+00	8.400E-05	1.337E-03	4.980E-04	4.600E-05	8.416E+07
FEBRUARY	2.246E+01	1.130E-04	2.260E-04	7.520E-04	9.400E-05	1.129E+08
MARCH	8.591E+00	1.460E-04	2.190E-04	5.660E-04	7.800E-05	7.291E+07
APRIL	3.313E+00	1.560E-04	8.580E-04	8.660E-04	4.000E-05	7.782E+07
MAY	2.753E+00	1.830E-04	5.950E-04	6.720E-04	3.600E-05	4.574E+07
JUNE	4.230E+00	1.410E-04	4.940E-04	9.320E-04	6.300E-05	7.049E+07
JULY	5.137E+00	2.120E-04	2.830E-04	1.226E-03	8.700E-05	7.062E+07
AUGUST	7.027E+00	8.500E-05	4.240E-04	1.813E-03	1.020E-04	8.498E+07
SEPTEMBER	4.663E+00	1.850E-04	5.380E-04	1.361E-03	4.700E-05	9.291E+07
OCTOBER	3.094E+00	2.480E-04	2.477E-03	8.160E-04	3.200E-05	4.953E+07
NOVEMBER	3.314E+00	2.990E-04	8.940E-04	1.544E-03	8.800E-05	9.952E+07
DECEMBER	2.948E+00	4.620E-04	1.154E-03	1.485E-03	7.300E-05	1.154E+08
TOTAL	7.138E+01	2.314E-03	9.519E-03	1.273E-02	7.700E-04	9.772E+08
STD. DEV.	±5.493E+00	±1.059E-04	±6.401E-04	±4.503E-04	±2.382E-05	±2.184E+07

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 313-M		
	U-238	AIR VOLUME
JANUARY	2.353E-06	7.438E+10
FEBRUARY	2.300E-06	7.438E+10
MARCH	2.210E-06	7.438E+10
APRIL	6.960E-07	7.438E+10
MAY	4.410E-07	7.438E+10
JUNE	-	7.438E+10
JULY	-	7.438E+10
AUGUST	9.390E-07	7.438E+10
SEPTEMBER	1.031E-06	7.438E+10
OCTOBER	8.450E-07	7.438E+10
NOVEMBER	-	7.438E+10
DECEMBER	5.890E-07	7.438E+10
TOTAL	1.140E-05	8.925E+11
STD. DEV.	±7.862E-07	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 321-M		
	TOTAL ALPHA	AIR VOLUME
JANUARY	2.273E-06	3.744E+10
FEBRUARY	1.380E-07	3.744E+10
MARCH	3.210E-07	3.744E+10
APRIL	4.130E-07	3.744E+10
MAY	1.520E-06	3.744E+10
JUNE	1.410E-07	3.744E+10
JULY	3.350E-07	3.744E+10
AUGUST	4.440E-07	3.744E+10
SEPTEMBER	9.340E-07	3.744E+10
OCTOBER	3.540E-07	3.744E+10
NOVEMBER	3.310E-07	3.744E+10
DECEMBER	1.111E-06	3.744E+10
TOTAL	8.315E-06	4.492E+11
STD. DEV.	±6.521E-07	-

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 322-M STACKS		
	TOTAL ALPHA	AIR VOLUME
JANUARY	-	1.230E-07
FEBRUARY	-	2.000E-08
MARCH	-	5.800E-08
APRIL	-	4.000E-08
MAY	-	8.600E-08
JUNE	-	2.000E-08
JULY	-	-
AUGUST	-	4.000E-08
SEPTEMBER	-	4.150E-07
OCTOBER	-	-
NOVEMBER	-	1.430E-07
DECEMBER	-	1.600E-08
TOTAL	-	9.610E-07
STD. DEV.	-	±1.204E-07

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	LIQUID	
	TIMS BRANCH M EFF	
	U-235	WATER
	238	VOLUME
JANUARY	1.510E-04	1.859E+07
FEBRUARY	8.600E-05	7.439E+06
MARCH	8.000E-05	3.719E+06
APRIL	3.200E-05	7.439E+06
MAY	9.000E-05	7.439E+06
JUNE	2.000E-04	1.487E+07
JULY	9.600E-05	1.859E+07
AUGUST	1.300E-04	1.487E+07
SEPTEMBER	1.150E-04	1.019E+06
OCTOBER	7.200E-05	1.487E+07
NOVEMBER	2.160E-04	1.859E+07
DECEMBER	7.300E-05	1.487E+07
TOTAL	1.350E-03	1.423E+08
STD. DEV.	±5.398E-05	±6.143E+06

- LESS THAN SENSITIVITY OF ANALYSES

RAW MATERIALS AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	LIQUID	
	300-M SEEPAGE BASIN	
	U 235	WATER
	238	VOLUME
JANUARY	1.371E-02	7.549E+06
FEBRUARY	5.373E-03	7.559E+06
MARCH	4.470E-03	7.559E+06
APRIL	6.234E-03	7.549E+06
MAY	1.664E-02	7.549E+06
JUNE	3.460E-03	5.039E+06
JULY	6.400E-04	3.784E+04
AUGUST	-	-
SEPTEMBER	-	-
OCTOBER	-	-
NOVEMBER	-	-
DECEMBER	-	-
TOTAL	5.052E-02	4.284E+07
STD. DEV.	±5.777E-03	±2.841E+06

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

LIQUID		CURIES - (VOLUME, LITERS)				
420-D		SR-	CS-134	OTHER	TOTAL	WATER
	T	89.90	137	B OR G	ALPHA	VOLUME
JANUARY	3.725E+02	-	-	-	-	2.499E+04
FEBRUARY	1.871E+02	-	-	-	-	1.299E+04
MARCH	-	-	-	-	-	-
APRIL	-	-	-	-	-	-
MAY	-	-	-	-	-	-
JUNE	5.009E+01	-	-	-	-	3.799E+03
JULY	4.479E+01	-	-	-	-	3.409E+03
AUGUST	-	-	-	-	-	-
SEPTEMBER	-	-	-	-	-	-
OCTOBER	-	-	-	-	-	-
NOVEMBER	6.019E+01	-	-	-	-	1.089E+04
DECEMBER	1.323E+02	-	-	-	-	2.099E+04
TOTAL	8.467E+02	-	-	-	-	7.710E+04
STD. DEV.	+1.263E+02	-	-	-	-	+8.819E+03

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC	
	420-D	
	T	AIR VOLUME
JANUARY	6.000E+01	6.819E+09
FEBRUARY	5.000E+01	6.819E+09
MARCH	4.000E+01	6.819E+09
APRIL	6.000E+01	6.819E+09
MAY	5.000E+01	6.819E+09
JUNE	4.000E+01	6.819E+09
JULY	7.000E+01	6.819E+09
AUGUST	6.000E+01	6.819E+09
SEPTEMBER	4.000E+01	6.819E+09
OCTOBER	7.000E+01	6.819E+09
NOVEMBER	5.000E+01	6.819E+09
DECEMBER	6.000E+01	6.819E+09
TOTAL	6.500E+02	8.182E+10
STD. DEV.	±1.083E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	LIQUID 421-2D		CS-134 137	OTHER B OR G	TOTAL ALPHA	WATER VOLUME
	T	SR- 89.90				
JANUARY	5.523E+01	-	-	2.385E-03	-	8.499E+04
FEBRUARY	4.791E+01	-	-	2.250E-03	-	5.699E+04
MARCH	3.925E+01	-	-	2.449E-03	-	3.999E+04
APRIL	3.100E+02	-	-	5.690E-03	2.700E-05	9.499E+04
MAY	6.506E+01	-	-	3.066E-03	1.070E-04	5.969E+04
JUNE	9.159E+01	-	-	4.290E-04	-	1.189E+05
JULY	1.838E+02	-	-	8.750E-04	-	1.189E+05
AUGUST	3.239E+01	-	-	3.320E-03	-	5.999E+04
SEPTEMBER	1.439E+01	-	-	9.000E-04	-	5.699E+04
OCTOBER	6.899E+00	-	-	9.000E-04	-	5.739E+04
NOVEMBER	-	-	-	-	-	-
DECEMBER	1.479E+01	-	-	-	-	5.099E+04
TOTAL	8.674E+02	-	-	2.612E-02	1.340E-04	8.000E+05
STD. DEV.	±9.190E+01	-	-	±1.566E-03	±5.656E-05	±2.744E+04

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 421-2D	
	T	AIR VOLUME
JANUARY	7.000E+01	1.050E+10
FEBRUARY	6.000E+01	1.050E+10
MARCH	5.000E+01	1.050E+10
APRIL	4.000E+01	1.050E+10
MAY	7.000E+01	1.050E+10
JUNE	6.000E+01	1.050E+10
JULY	4.000E+01	1.050E+10
AUGUST	5.000E+01	1.050E+10
SEPTEMBER	7.000E+01	1.050E+10
OCTOBER	6.000E+01	1.050E+10
NOVEMBER	4.000E+01	1.050E+10
DECEMBER	5.000E+01	1.050E+10
TOTAL	6.600E+02	1.260E+11
STD. DEV.	±1.167E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	LIQUID 772-D		CS-134 137	OTHER B OR G	TOTAL ALPHA	WATER VOLUME
	T	SR- 89.90				
JANUARY	5.519E+01	-	-	-	-	4.599E+05
FEBRUARY	3.359E+01	-	-	-	-	4.199E+05
MARCH	3.219E+01	-	-	-	-	4.599E+05
APRIL	3.128E+01	-	-	4.030E-04	4.030E-04	4.469E+05
MAY	7.359E+01	-	-	-	2.070E-04	4.599E+05
JUNE	5.379E+01	-	-	-	-	4.469E+05
JULY	1.109E+01	-	-	-	-	4.599E+05
AUGUST	1.389E+01	-	-	-	-	4.469E+05
SEPTEMBER	8.899E+00	-	-	-	-	4.599E+05
OCTOBER	2.799E+00	-	-	-	-	4.469E+05
NOVEMBER	1.789E+01	-	-	-	-	4.599E+05
DECEMBER	4.599E+00	-	-	-	-	4.599E+05
TOTAL	3.388E+02	-	-	4.030E-04	6.100E-04	5.427E+06
STD. DEV.	±2.271E+01	-	-	-	±1.385E-04	±1.194E+04

- LESS THAN SENSITIVITY OF ANALYSES

400-D AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	ATMOSPHERIC 772-D	
	T	AIR VOLUME
JANUARY	4.000E+01	9.174E+09
FEBRUARY	7.000E+01	9.174E+09
MARCH	6.000E+01	9.174E+09
APRIL	5.000E+01	9.174E+09
MAY	4.000E+01	9.174E+09
JUNE	7.000E+01	9.174E+09
JULY	6.000E+01	9.174E+09
AUGUST	4.000E+01	9.174E+09
SEPTEMBER	5.000E+01	9.174E+09
OCTOBER	4.000E+01	9.174E+09
NOVEMBER	6.000E+01	9.174E+09
DECEMBER	7.000E+01	9.174E+09
TOTAL	6.500E+02	1.100E+11
STD. DEV.	±1.240E+01	-

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

ATMOSPHERIC 773-A			CORIES - (VOLUME, LITERS)					
	<u>T</u>	<u>CO-60</u>	<u>CO-60</u>	<u>I-131</u>	<u>I-133</u>	<u>OTHER B OR G</u>	<u>TOTAL ALPHA</u>	<u>AIR VOLUME</u>
JANUARY	-	-	-	3.700E-05	-	2.000E-06	-	2.714E+11
FEBRUARY	-	-	-	1.060E-04	-	2.000E-06	-	2.714E+11
MARCH	3.300E+01	-	-	5.000E-05	-	1.000E-06	-	2.714E+11
APRIL	-	-	-	2.070E-04	-	2.000E-06	-	2.714E+11
MAY	-	-	-	2.370E-04	-	1.000E-06	-	2.714E+11
JUNE	-	-	-	1.100E-04	-	-	-	2.714E+11
JULY	-	-	-	2.330E-04	-	2.000E-06	-	2.714E+11
AUGUST	-	-	-	8.900E-05	-	1.000E-06	-	2.714E+11
SEPTEMBER	-	-	-	5.000E-06	-	1.000E-06	-	2.714E+11
OCTOBER	-	-	-	9.000E-06	-	2.000E-06	-	2.714E+11
NOVEMBER	-	-	-	2.600E-05	-	1.000E-06	-	2.714E+11
DECEMBER	-	-	-	2.400E-05	-	1.000E-06	-	2.714E+11
TOTAL	3.300E+01	-	-	1.133E-03	-	1.600E-05	-	3.256E+12
STD. DEV.	-	-	-	±8.676E-05	-	±5.222E-07	-	-

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	LIQUID TMS BRANCH A EFF		WATER VOLUME
	B OR G	TOTAL ALPHA	
JANUARY	9.700E-05	2.700E-05	3.313E+07
FEBRUARY	7.600E-05	2.600E-05	3.313E+07
MARCH	5.400E-05	1.300E-05	3.313E+07
APRIL	5.500E-05	5.000E-06	3.313E+07
MAY	2.600E-05	8.000E-06	7.599E+06
JUNE	3.500E-05	3.000E-06	7.599E+06
JULY	3.200E-05	8.000E-06	7.599E+06
AUGUST	1.500E-05	5.000E-06	7.599E+06
SEPTEMBER	2.800E-05	8.000E-06	7.599E+06
OCTOBER	1.000E-05	8.000E-06	7.599E+06
NOVEMBER	3.700E-05	1.200E-05	7.599E+06
DECEMBER	3.000E-05	7.000E-06	7.599E+06
TOTAL	4.750E-04	1.300E-04	1.913E+08
STD. DEV.	±2.332E-05	±7.825E-06	±1.257E+07

- LESS THAN SENSITIVITY OF ANALYSES

TECHNICAL AREA RADIOACTIVE RELEASES FOR 1985
CURIES - (VOLUME, LITERS)

	LIQUID CMY-SEEPAGE BASIN		WATER VOLUME
	B OR G	U-235 238	
JANUARY	-	-	6.812E+05
FEBRUARY	-	-	6.812E+05
MARCH	6.800E-05	-	6.812E+05
APRIL	-	-	6.812E+05
MAY	-	-	6.812E+05
JUNE	-	-	6.802E+05
JULY	-	-	6.802E+05
AUGUST	-	-	6.812E+05
SEPTEMBER	-	-	6.812E+05
OCTOBER	-	-	6.812E+05
NOVEMBER	-	-	6.812E+05
DECEMBER	-	-	6.812E+05
TOTAL	6.800E-05	-	8.173E+06
STD. DEV.	-	-	±3.892E+02

- LESS THAN SENSITIVITY OF ANALYSES

SRP RADIOACTIVE RELEASES

APPENDIX A

INCONSISTENCES WITH DATA

PUBLISHED IN ERDA 1537

SRP RADIOACTIVE RELEASES

APPENDIX A: INCONSISTENCES WITH DATA PUBLISHED IN ERDA 1537

Listed below is an analysis of major inconsistencies between the annual total radioactive releases data in this report and the data published in the ERDA 1537, September 1977, "Final Environmental Impact Statement, Waste Management Operations, Savannah River Plant, Aiken, SC". The value listed as the "correct value" was determined to be the most appropriate after all source records, listed in the References Section, were examined.

The "Correct Value" listed in this appendix refers to the total release from the site as shown in Summary C.

Type Releases	Radio-Nuclide	Correct Value, Ci	ERDA 1537 Value, Ci	Reason
1954 Atmospheric	H-3	2.16E+02	0.0	Reflects a more precise assessment of releases data.
1955 Atmospheric	H-3	3.61+04	2.66E+04	Reflects a more precise assessment of releases data.
1956 Atmospheric	H-3	4.69E+05	4.50E+05	Reflects a more precise assessment of releases data.
Seepage Basin	I-131	9.39E+02	1.43E+03	The published value in ERDA 1537 included 489 Ci that was released in 1955.
	Pu-239	5.60E-01	2.12E+00	The ERDA 1537 value contained a contribution from "uranium plus plutonium" as stated in a footnote. It appears that uranium was included with the Pu-239 in ERDA 1537 even though the totals do not balance exactly. The "correct value" is consistent with data in DPSP 60-25-25 which is the source document.

SRP RADIOACTIVE RELEASES

Type Releases	Radio-Nuclide	Correct Value, Ci	ERDA 1537 Value, Ci	Reason
1957				
Atmospheric	H-3	1.20E+06	1.16E+06	Reflects a more precise assessment of releases data.
Stream	H-3	1.50E+04	1.20E+04	Unable to determine the source of the ERDA 1537 value.
Seepage Basin	Pu-239	4.12E-01	1.30E+00	See the reason given in 1956.
1958				
Atmospheric	H-3	2.36E+06	2.35E+06	Reflects a more precise assessment of releases data.
Seepage Basin	Pu-239	4.9E-01	1.49E+00	See the reason given in 1956.
1959				
Atmospheric	H-3	1.045E+06	9.98E+05	Reflects a more precise assessment of releases data.
Seepage Basin	Pu-239	5.32E-01	1.75E+00	See the reason given in 1956.
1960				
Atmospheric	H-3	9.51E+05	9.09E+05	Reflects a more precise assessment of releases data.
	I-131	7.30	7.32	Unable to determine the source of the inconsistency. The difference is insignificant.
Stream	Zn-95- Nb-95 Np-239 Sr-89	7.43 5.55E+01 1.24E+01	6.80 5.50E+01 5.60	Same as above. Same as above. The ratio of Sr-89 to nonvolatile beta and Sr-89-90 that was documented in DPSP 62-25-5 was not used in ERDA 1537.
Seepage Basin	Sr-90 Pu-239	6.02 2.6E-01	1.84E+01 1.36E+00	Same as above. See the reason given in 1956.
1961				
Atmospheric	H-3	8.86E+05	8.46E+05	Reflects a more precise assessment of releases data.
Stream	Mo-99	9.31	9.00	Unable to determine source of the difference, however the difference is insignificant.
	Zr-95- Nb-95 I-131 Ba-140- La-140 Np-239	6.98 2.88E+01 1.81E+01 1.31E+02	6.60 2.70E+01 1.59E+01 1.02E+02	Same as above. Same as above. Same as above. Same as above.

SRP RADIOACTIVE RELEASES

Type Releases	Radio-Nuclide	Correct Value, Ci	ERDA 1537 Value, Ci	Reason
1961, Contd.				
Seepage Basin	Ru-103- Ru-106	1.19E-01	1.61E-01	All Ru was listed under Ru-103-106 in ERDA 1537. This report lists only Reactor releases as Ru-103-106. All Separations Ru was assumed to be Ru-106 because of the short half-life of Ru-103.
1962				
Atmospheric	H-3	1.11E+06	1.04E+06	Reflects a more precise assessment of releases data.
Stream	Zr-95- Nb-95	1.72E+01	1.65E+01	Unable to determine source of the difference, however the difference is insignificant.
1963				
Atmospheric	H-3	1.13E+06	1.07E+06	Reflects a more precise assessment of releases data.
	I-131	4.82	4.81	Unable to determine source of the difference, however the difference is insignificant.
Stream	Sr-89	3.4E+01	3.34E+01	Same as above.
	Zr-95- Nb-95	3.21E+01	3.18E+01	Same as above.
	I-131	4.65E+01	4.60E+01	Same as above.
	Ce-141- Ce-144	5.03E+01	5.00E+01	Same as above.
	Np-239	7.84E+02	7.48E+02	Same as above.
Seepage Basin	I-131	2.91	3.00	Same as above.
1964				
Atmospheric	H-3	1.52E+06	1.47E+06	Reflects a more precise assessment of releases data.
Stream	Zr-95- Nb-95	1.97E+01	1.83E+01	Unable to determine source of the difference, however the difference is insignificant.
	I-131	8.7	9.0	Same as above.
	Ce-141- Ce-144	8.74+01	8.80E+01	Same as above.
	Np-239	1.81+02	1.85E+02	Same as above.
1965				
Atmospheric	H-3	7.44E+05	7.06E+05	Reflects a more precise assessment of releases data.
	Un-Id- Alpha	5.18E-02	1.4E-03	Unable to determine the source of the difference.

SRP RADIOACTIVE RELEASES

Type Releases	Radio-Nuclide	Correct Value, Ci	ERDA 1537 Value, Ci	Reason
1965, Contd.				
Stream	H-3	1.04E+05	9.76E+04	ERDA 1537 did not include Par Pond overflow (6,500 Ci) to Lower Three Runs Creek.
	Zr-95-Nb-95	6.13	7.20	Unable to determine source of the difference, however the difference is insignificant.
	I-131	5.39E+00	5.00E+00	Same as above.
Streams	Ce-141-Ce-144	3.13E+01	3.30E+01	Unable to determine source of the difference, however the difference is insignificant.
	Np-239	7.43E+01	8.90E+01	Same as above.
Seepage Basin	H-3	4.53E+04	6.23E+04	Unable to determine source of the difference.
1966				
Atmospheric	H-3	6.75E+05	6.10E+05	Reflects a more precise assessment of releases data.
	Un-Id-Alpha	2.06E-02	3.90E-04	Unable to determine the source of the difference.
Stream	H-3	8.19E+04	7.76E+04	ERDA 1537 did not include Par Pond overflow (4,230 Ci) to Lower Three Runs Creek.
	Cr-51	6.25E+02	6.45E+02	Unable to determine source of the difference, however the difference is insignificant.
	Zr-95-Nb-95	7.94	9.10	Same as above.
Seepage Basin	Ce-141-Ce-144	2.88	3.00	Same as above.
1967				
Atmospheric	H-3	6.89E+05	6.42E+05	Reflects a more precise assessment of releases data.
	Un-Id-Alpha	3.00E-04	5.00E-04	Unable to determine source of the difference, however the difference is insignificant.
Stream	H-3	6.96E+04	6.68E+04	ERDA 1537 did not include Par Pond overflow (2,870 Ci) to Lower Three Runs Creek.
Streams	Cr-51	2.42E+02	2.21E+02	Unable to determine source of the difference, however the difference is insignificant.
	Zn-65	7.32	7.60	Same as above.
	Zr-95-Nb-95	1.38E+01	1.90E+01	Same as above.

SRP RADIOACTIVE RELEASES

Type Releases	Radio-Nuclide	Correct Value, Ci	ERDA 1537 Value, Ci	Reason
1967				
Streams, Contd.	Cs-137	7.89E+01	4.69E+01	ERDA 1537 does not include an unplanned release of 32 curies from H-Area.
1968				
Atmospheric	H-3	7.62E+05	6.98E+05	Reflects a more precise assessment of releases data.
Stream	H-3	6.16E+04	6.07E+04	ERDA 1537 did not include Par Pond overflow (817 Ci) to Lower Three Runs Creek.
	Cr-51	8.58E+01	8.90E+01	Unable to determine source of the difference, however the difference is insignificant.
	Zr-95-Nb-95	8.11	7.00	Same as above.
	I-131	9.49E+00	1.00E+01	Unable to determine source of the difference, however the difference is insignificant.
	Cs-137	4.35E+01	4.12E+01	ERDA 1537 did not contain desorption from Four Mile Creek (2 Ci) and Reactor Miscellaneous releases (0.26 Ci).
	Ba-140-La-140	8.95	9.10	Unable to determine source of the difference, however the difference is insignificant.
1969				
Atmospheric	H-3	4.96E+05	4.58E+05	Reflects a more precise assessment of releases data.
	Ru-103	9.6	0.0	This value, documented in DPST-70-25-1, was not included in ERDA 1537.
Stream	P-32	7.3E-01	7.0E-01	Unable to determine source of the difference, however the difference is insignificant.
	Y-91	9.82	1.16E+01	Same as above.
	Zr-95-Nb-95	3.70	3.40	Same as above.
	Cs-137	2.20E+01	2.01E+01	Desorption from Four Mile Creek (1.9 Ci) was not added to ERDA 1537.
	Ce-141-Ce-144	5.53	6.00	Unable to determine source of the difference, however the difference is insignificant.

SRP RADIOACTIVE RELEASES

Type Releases	Radio-Nuclide	Correct Value, Ci	ERDA 1537 Value, Ci	Reason
1970				
Atmospheric	H-3	5.13E+05	4.69E+05	Reflects a more precise assessment of releases data.
	Zr-95-Nb-95	2.81	7.0E-01	Unable to determine source of the difference, however the difference is insignificant.
	I-131	2.19	2.00	Same as above.
	Cs-137	2.13E+01	2.08E+01	Desorption from Four Mile Creek (0.5 Ci) was not added to ERDA 1537.
	Ba-140-La-140	3.20+E-01	3.00E-01	Unable to determine source of the difference, however the difference is insignificant.
	Ce-141-Ce-144	2.72	3.00	Same as above.
	Un-Id-Alpha	2.06E-02	1.71E-02	Same as above.
1971				
Atmospheric	H-3	6.21E+05	5.86E+05	Reflects a more precise assessment of releases data.
	Kr-85	6.40E+05	4.80E+05	Unable to determine source of the difference.
Stream	Xe-133	2.52E+04	2.60E+04	Same as above.
	H-3	3.80E+04	3.70E+04	Par Pond overflow to Lower Three Runs Creek (883 Ci) was not included in ERDA 1537.
	Cs-137	3.06	1.86	Desorption from Four Mile Creek (1.2 Ci) was not included in ERDA 1537.
	Ce-141-Ce-144	2.46	2.37	Unable to determine source of the difference, however the difference is insignificant.
1972				
Atmospheric	H-3	8.22E+05	7.85E+05	Reflects a more precise assessment of releases data.
	Co-60	7.21E-03	7.12E-03	The ERDA 1537 total did not include 9E-5 Ci from F-Area.
	Un-Id-B+G	1.01E-03	8.40E-03	ERDA 1537 included 7.39 E-03 Ci of I-131 that was listed as Un-Id-Beta+Gamma in the source document.
Stream	Cs-137	1.30E+00	3.03E-01	Desorption from Four Mile Creek (1 Ci) was not included in ERDA 1537.

SRP RADIOACTIVE RELEASES

Type Releases	Radio-Nuclide	Correct Value, Ci	ERDA 1537 Value, Ci	Reason
1973				
Atmospheric	H-3	6.01E+05	5.52E+05	Reflects a more precise assessment of releases data.
Stream	Cs-137	9.17E-01	4.17E-01	Desorption from Four Mile Creek (0.5 Ci) was not included in ERDA 1537.
1974				
Atmospheric	H-3	9.37E+05	9.06E+05	Reflects a more precise assessment of releases data.
Stream	Cs-137	1.50	5.00E-01	Desorption from Four Mile Creek (1 Ci) was not included in ERDA 1537.
	Un-Id-Alpha	1.57E-02	1.44E-02	Unable to determine source of the difference, however the difference is insignificant.
Seepage Basin	H-3	3.65E+04	3.29E-04	Releases to Par Pond (3.65E+03 Ci) not included in published value.
	Ru-103	1.59E+00	1.59E+01	Unable to determine source of the difference.
	Sb-124-125	4.18E-01	3.08E-01	Unable to determine the source of the difference.
1975				
Atmospheric	H-3	5.18E+05	4.88E+05	Reflects a more precise assessment of releases data.
Stream	Un-Id-Alpha	1.86E-02	1.91E-02	Unable to determine source of the difference, however the difference is insignificant.
	Un-Id-B+G	6.12E-02	6.17E-02	Same as above.
Seepage Basin	H-3	3.56E+04	3.57E+04	Unable to determine source of the difference, however the difference is insignificant.
	Ru-103-Ru-106	2.00E-03	1.00E-03	Same as above.
	Un-Id-Alpha	4.68E-03	4.10E-03	Same as above.
	Un-Id-B+G	1/35E-01	1.32E-01	Same as above.

SRP RADIOACTIVE RELEASES

APPENDIX B

INCONSISTENCES WITH DATA

PUBLISHED IN PUBLIC REPORTS

SRP RADIOACTIVE RELEASES

APPENDIX B: INCONSISTENCIES WITH DATA PUBLISHED IN PUBLIC REPORTS

Total radionuclide releases from all SRP facilities have been included in the public reports since 1973. The releases shown in the public reports were used as the source term by SRL from calculating offsite concentrations and doses.

In a number of cases, calculated values for unmeasured releases were included by SRL to insure that all possible radioactive release sources were considered. In some cases, these calculated values were not included in Health Protection data records and, therefore, were not included in earlier versions of this report.

There were also some differences between the SRL and Health Protection values because different methods of rounding were used. Although these rounding differences are not significant, they do indicate inconsistencies that can be explained.

Listed below are the major differences between data in public reports and earlier versions of this report for the years 1973 to 1983 and all of the differences for 1984 and 1985. The reasons listed for minor inconsistencies in 1974 and 1975 will also generally apply to differences that are observed in the earlier years.

The "Correct Value" listed in this appendix refers to the total release from the site as shown in Summary C.

Type Release	Radio-Nuclide	Correct Value, Ci	Public Report Value, Ci	Reason
1973				
Atmospheric	H-3	6.01E+05	5.50E+05	Reflects a more precise assessment of releases data.
	I-129	2.12E-01	None	I-129 release was calculated after the 1973 public report was issued.
Stream	Cs-137	9.20E-01	8.10E-01	Unable to determine source of the difference, however the difference is insignificant.
	Cm-244	3.60E-03	None	Cm-244 released from 773-A was not included in Table 19 of the public report. Unable to determine reason.

SRP RADIOACTIVE RELEASES

Type Release	Radio-Nuclide	Correct Value, Ci	Public Report Value, Ci	Reason
1974				
Atmospheric	H-3	9.40E+05	9.09E+05	Reflects a more precise assessment of releases data.
	Cm-244	3.90E-04	None	Cm-244 and Un-Id-Alpha were included with Pu-238,239 in the public report.
	Un-Id-Alpha	7.40E-05	None	
Stream	Pu-239	1.60E-02	1.8E-02	Unable to determine the source of the difference. However, all alpha emitters except uranium were included with Pu-239 in the public report.
1975				
Atmospheric	H-3	5.18E+05	4.88+05	Reflects a more precise assessment of releases data. Release value in Table 6 of the public report did not include an unplanned release of 182,000 Ci of tritium that was covered in the Special Surveys section.
Stream	H-3	5.6E+04	5.3+04	Heat exchanger cooling water tritium to Par Pond (3,450 Ci) was included in stream releases in the public report.
	Co-58-Co-60	9.0E-03	1.6E-02	The release of 7E-03 Ci to the L Oil and Chemical basin was inadvertently added to the stream release in Table 7 of the public report.
	Sr-89-Sr-90	1.2	1.4	Unable to determine the source of the incorrect value in Table 7 of the public report.
	Zr-95-Nb-95	3.9E-02	4.3E-02	Same as above.
	Ru-103-Ru-106	5.4E-02	5.6E-02	Same as above.
1976				
Atmospheric	Cm-244	3.3E-04	None	These radionuclides were added to Pu-238,239 in Table 13 of the public report for dose calculations.
	Un-Id-Alpha	2.0E-05	None	
1977				
Atmospheric	H-3	3.8E+05	3.9E+05	Atmospheric H-3 from reactor areas disassembly basin areas (5,670 Ci) was added twice in the public report.

SRP RADIOACTIVE RELEASES

Type Release	Radio-Nuclide	Correct Value, Ci	Public Report Value, Ci	Reason
1977, Contd.				
Stream	Sb-124-Sb-125	8.8E-04	None	Inadvertently not included in the public report.
	Mn-54	2.1E-02	None	Inadvertently not included in public report.
1978				
Atmospheric	H-3	3.6E+05	3.8E+05	Atmospheric H-3 from reactor disassembly areas (15,740 Ci) was added twice in the public report.
Stream	H-3	3.8E+04	4.0E+04	Heat exchanger cooling water tritium to Par Pond (2,100 Ci) was included in stream releases in the public report.
	P-32	2.7E-05	1.5E-02	The Public Report values were not adjusted to show the quantity of P-32 and S-35 that went to seepage basins after purges were re-diverted to seepage basins in August.
	S-35	1.5E-02	5.0E-04	
1979				
Atmospheric	H-3	3.3E+05	3.4E+05	Atmospheric H-3 from reactor disassembly areas (6,330 Ci) was added twice in the public report.
	Cs-137	5.4E-03	3.2E-03	The December monthly value of 4.3E-5 Ci for 773-A was used in the public report instead of the year-to-date value of 2.6E-3 Ci.
1980				
Atmospheric	H-3	3.17E+05	3.20E+05	Atmospheric H-3 from reactor disassembly areas (7,455 Ci) was added twice in the public report.
	I-131	2.5E-02	2.0E-02	Unable to determine the source of the difference.
Stream	H-3	2.5E+04	2.7E+04	Heat exchanger Cooling Water tritium from P Reactor to Par Pond (2,540 Ci) was included in stream releases in the public report. Stream releases from P Reactor should have shown Par Pond overflow of 500 Ci.
	Cs-134-Cs-137	1.6E-01	3.0E-02	Unable to determine the source of the difference.
	1981			
Atmospheric	H-3	3.9E+05	4.0E+05	Atmospheric H-3 from reactor disassembly areas (5,400 Ci) was added twice in the public report.

SRP RADIOACTIVE RELEASES

Type Release	Radio-Nuclide	Correct Value, Ci	Public Report Value, Ci	Reason
1983				
Atmospheric	H-3	6.18E+05	6.12E+05	Evaporation of H-3 from seepage basins (6,130 Ci) was not included in the public report.
1984				
Atmospheric	Kr-85	8.43E+05	8.40E+05	Values were not rounded correctly for the public report.
	I-129	3.54E-02	3.50E-02	Same as above.
	Sr-89-			
	Sr-90	3.52E-03	3.50E-03	Same as above.
	Cs-137	1.94E-03	1.90E-03	Same as above.
	Ce-144	8.38E-04	8.40E-04	Same as above.
	U-Nat	2.19E-04	2.20E-04	Same as above.
	Pu-238	1.37E-03	1.20E-03	Data for two unplanned releases of 2.0E-04 Ci on 6/29 and 8.0E-05 Ci on 8/7 were handled separately and did not get included in the routine releases data base.
	Pu-239	4.60E-04	4.72E-04	Un-Id-Alpha (1.24E-05 Ci) was included with Pu-239 for dose calculations in the public report.
	Am-241-			
	Am-243	1.42E-04	1.40E-04	Values were not rounded correctly for the public report.
	Cm-242-			
	Cm-244	2.59E-04	2.60E-04	Same as above.
Streams	Co-60	3.1E-04	3.0E-03	Incorrect exponent was used in the public report.
	I-129	2.2E-2	None	Releases of I-129 to streams was calculated after issue of the public report.
	Un-Id-Alpha	1.3E-01	None	Un-Id-Alpha was considered to be Pu-239 for dose calculations in the public report.
1985				
Atmospheric	H-3	6.74E+05	6.67E+05	Tritium evaporation from seepage basins (6,690 Ci) was not included in the public report.
	Ar-41	5.18E+04	5.20E+04	Values were not rounded correctly for the public report.
	Kr-85m	1.28E+03	1.30E+03	Same as above.
	Kr-87	1.05E+03	1.10E+03	Same as above.
	Kr-88	1.28E+03	1.30E+03	Same as above.
	Xe-133	4.63E+03	4.60E+03	Same as above.

SRP RADIOACTIVE RELEASES

<u>Type Release</u>	<u>Radio-Nuclide</u>	<u>Correct Value, Ci</u>	<u>Public Report Value, Ci</u>	<u>Reason</u>
1985				
Atmospheric, Cont'd.	I-131	6.05E-02	6.02E-02	Public report value was rounded to two significant digits before summing while value in this report were carried to five significant digits.
	Pu-239	4.97E-04	5.11E-04	Un-Id-Alpha was considered to be Pu-239 for dose calculations in the public report.
	U-Nat	2.54E-03	2.64E-03	The public report value included a 1.1E-04 Ci release from Raw Materials areas which should have been 1.1E-05 Ci.
Streams	H-3	2.50E+04	2.51E+04	Values were not rounded correctly for the public report.
	Sr-90	1.76E-01	1.82E-01	Migration values were rounded differently in the two reports.
	Cs-137	9.90E-02	1.04E-01	Desorption from Four Mile Creek was rounded differently in the two reports.
	Un-Id-Alpha	7.0E-03	None	Un-Id-Alpha was considered to be Pu-239 for dose calculations in the public report.

END

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