



**Commonwealth Edison**  
LaSalle County Nuclear Station  
Rural Route #1, Box 220  
Marseilles, Illinois 61341  
Telephone 815/357-6761

RETS MASTER FILE

EFF-85A

August 14, 1985

Mr. James G. Keppler  
Regional Administrator  
Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

SUBJECT: LaSalle County Station Operating Report, NRC Docket #50-373,  
50-374.

Enclosed is Part 1 of the LaSalle County Station Operating Report, reporting radioactive effluents for January through June. Part 2 of the Station Operating Report, reporting radioactive effluent for July through December, will be submitted under separate cover in February. Part 3 of the Annual Operating Report reporting environmental radiological monitoring data will be submitted in March.

One copy of this report is provided for your use and 39 copies are being submitted directly to Mr. Edson G. Case, Deputy director of the Office of Nuclear Reactor Regulation.

Included with Part 1 of the LaSalle County Station Operating Report, please find a memorandum describing a change to the LSCS Process Control Program. A copy is furnished to you in accordance with Technical Specification Section 6.7.

\* 8509060240

FRL  
GJD/FRL/LRA/sjc

Enclosure

for R.D. Budge  
G. J. Diederich  
Station Manager  
LaSalle County Station

July 18, 1985

TO: F. R. Lawless

SUBJECT: Revision to the LaSalle County Station Process Control Program, LAP 200-6.

The LaSalle Station Process Control Program was recently revised to incorporate a change to the Spent Resin solidification formula. The Stock Equipment System decant tank metering pump discharge pipe began experiencing plugging problems in February, 1985. This pipe, which transfers the waste slurry into the 55 gallon drums, could not be unplugged by remote flushing techniques. The solidification system down-time, as well as the manpower and personnel exposure associated with unplugging this pipe warranted this formula change.

The station had previously utilized a 10% free-standing water slurry formula, derived by Stock Equipment Company, for the solidification of all resins and filter sludges. Once the plugging problems began to occur while solidifying the spent bead resin slurries, station personnel obtained the necessary data from Stock Equipment Company to change to a 20% free-standing water formula for spent resin. This has been demonstrated to resolve similar plugging problems experienced previously by other nuclear stations with Stock Equipment Solidification Systems. The necessary information regarding corresponding changes to the quantities of waste slurry and dry cement to be added to the drums was also obtained from Stock Equipment Company, and incorporated into this procedure revision.

This formula change only applies to the spent bead resin waste type. The 10% free-standing water formula will continue to be used when solidifying the powered resin and filter media waste types, as the station has not experienced metering pump discharge pipe plugging problems while solidifying these other waste types.

Other minor changes incorporated under this procedure revision include corrections for the final drum weights of each of the resin and filter media waste types, as supplied by Stock Equipment Company.

If you have any questions regarding this procedure revision, please contact me at extension 487.



Steve Davis

SD/sjc

DOCUMENT ID 0081d/

## ATTACHMENT A

LRP-1110-3  
Revision 2  
August 6, 1985  
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## REPORT OF RADIOACTIVE EFFLUENTS

FACILITY: LASALLE COUNTY NPS UNIT 1 &amp; 2 DOCKET NOS.: 50-373, 50-374

YEAR: 1985

I. Gaseous Effluents	UNITS	JAN	FEB	MAR	1ST QTR TOT	APR	MAY	JUN	2ND QTR TOT	6 MO TOTAL
1. Gross Radioactivity Release										
a. Noble Gas Release										
Main Stack	Curies	3.1E1	1.8E1	4.8E0	5.4E1	7.3E0	N/A	7.9E-5	7.3E0	6.1E1
b. Maximum Release Rate (grab sample)	uCi/sec	9.4E1	3.1E1	7.1E0	9.4E1	1.0E1	N/A	9.1E-4	9.1E-4	9.4E1
c. Isotopes Released										
Kr-85m	Curies	1.5E1	---	1.8E0	2.0E0	---	---	---	---	2.0E0
Kr-87	Curies	<5.6E-8+	<5.6E-8+	<5.6E-8+	<5.6E-8+	<5.6E-8+	<5.6E-8+	<5.6E-8+	<5.6E-8+	<5.6E-8+
Kr-88	Curies	<5.8E-8+	<5.8E-8+	<5.8E-8+	<5.8E-8+	<5.8E-8+	<5.8E-8+	<5.8E-8+	<5.8E-8+	<5.8E-8+
Xe-133	Curies	1.6E1	<2.1E-8+	1.7E-2	1.6E1	<2.1E-8+	<2.1E-8+	<2.1E-8+	<2.1E-8+	1.6E1
Xe-135	Curies	<1.2E-8+	5.4E-1	<1.2E-8+	5.4E-1	3.6E0	<1.2E-8+	7.9E-2	3.6E0	4.2E0
Xe-135m	Curies	<2.8E-8+	2.7E-4	5.0E-3	5.4E-3	<2.8E-8+	<2.8E-8+	<2.8E-8+	<2.8E-8+	5.4E-3
Xe-138	Curies	<1.1E-5+	<1.1E-5+	<1.1E-5+	<1.1E-5+	<1.1E-5+	<1.1E-5+	<1.1E-5+	<1.1E-5+	<1.1E-5+
AR-41	Curies	1.5E1	1.8E1	3.0E0	3.6E1	3.8E0	---	---	3.8E0	4.0E1
d. Percent of Stack										
Limit	%	6.4E-3	1.5E-2	1.4E-3	3.1E-2	1.8E-3	N/A	1.4E-5	3.7E-3	1.7E-2
e. Average Release Rate	uCi/sec	1.2E1	7.6E0	1.8E0	6.9E0	2.8E0	N/A	3.0E-2	9.4E-1	4.0E0
2. Main Stack Iodine Release										
a. Isotopes Released										
I-131	Curies	5.3E-4	4.5E-5	9.8E-4	1.6E-3	3.3E-4	9.1E-4	6.9E-4	1.9E-3	3.5E-3
I-132	Curies	8.1E-4	2.0E-4	1.3E-3	2.3E-3	1.4E-3	---	2.1E-3	3.5E-3	5.8E-3
I-133	Curies	3.6E-3	8.6E-3	4.6E-3	1.7E-2	3.2E-3	6.0E-3	5.4E-3	1.5E-2	3.2E-2
I-134	Curies	<6.4E-9+	<6.4E-9+	<6.4E-9+	<6.4E-9+	<6.4E-9+	1.7E-3	7.8E-4	2.5E-3	2.5E-3
I-135	Curies	2.4E-3	5.2E-3	1.3E-3	9.0E-3	4.1E-3	5.3E-3	7.0E-3	1.6E-2	2.5E-2
b. Percent of Stack										
Limit	%	1.7E-4	2.5E-4	2.4E-4	6.2E-2	1.4E-4	1.7E-2	2.7E-2	7.5E-2	7.1E-2
c. Average Release Rate	uCi/sec	2.7E-3	5.8E-3	3.1E-3	3.8E-3	3.5E-3	6.1E-3	6.2E-3	5.0E-3	5.5E-3

\*Data to be presented in an errata to this report.

+Activity of each sample is less than LLD given (uCi/cc).

## ATTACHMENT A

LRP-1110-3  
Revision 2  
August 6, 1985  
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## REPORT OF RADIOACTIVE EFFLUENTS

FACILITY: LASALLE COUNTY NPS UNIT 1 &amp; 2 DOCKET NOS.: 50-373, 50-374

YEAR: 1985

I. Gaseous Effluents(Cont)	UNITS	JAN	FEB	MAR	1ST QTR TOT	APR	MAY	JUN	2ND QTR TOT	6 MO TOTAL
3. Main Stack Particulate Release										
a. Gross Radioactivity (β <sup>-</sup> )	milli-curies	1.4E2	1.4E2	5.7E1	3.3E2	6.7E1	4.9E1	4.3E1	1.6E2	4.9E2
b. Gross Alpha Radioactivity	mCi	5.0E-9	<0.2E-8+	5.0E-6	5.0E-6	<2.0E-6+	*	*	*	5.0E-6
c. Isotopes Released										
Ba-139	mCi	---	---	---	---	---	---	2.9E0	2.9E0	2.9E0
Mn-54	mCi	1.2E-1	2.3E-1	2.0E0	2.3E0	7.9E-1	1.3E-1	2.8E-1	1.2E0	3.5E0
Co-58	mCi	<1.3E-12+	1.0E-2	<1.3E-12+	1.0E-2	<1.3E-12+	<1.3E-12+	<1.3E-12+	<1.3E-12+	1.0E-2
Fe-59	mCi	4.5E-2	<2.4E-12+	<2.4E-12+	4.5E-2	<2.4E-12+	<2.4E-12+	<2.4E-12+	<2.4E-12+	4.5E-2
Co-60	mCi	5.0E-1	3.3E-1	3.9E-1	1.2E0	6.3E-1	2.2E-1	4.4E-1	1.3E0	2.5E0
Zn-65	mCi	<2.5E-12+	<3.1E-12+	<3.1E-12+	<3.1E-12+	<3.1E-12+	<3.1E-12+	<3.1E-12+	<3.1E-12+	<3.1E-12+
Sr-89	mCi	2.9E-8	4.6E-8	4.0E-5	4.0E-5	4.0E-5	*	*	4.0E-5	8.0E-5
Sr-90	mCi	<5.0E-9+	<0.2E-8+	<2.0E-6	<2.0E-6	<2.0E-6	*	*	<2.0E-6	<2.0E-6
F-18	mCi	1.3E2	1.1E2	5.3E1	2.9E2	6.0E1	4.1E1	3.6E1	1.4E2	4.3E2
Cl-38	mCi	4.4E0	---	---	4.4E0	---	---	---	---	4.4E0
Mn-56	mCi	7.7E-2	9.8E-2	---	1.8E-1	---	---	---	---	1.8E-1
Sr-91	mCi	6.4E-2	---	---	6.4E-2	---	---	---	6.4E-2	6.4E-2
Zr-97	mCi	3.2E-2	---	---	3.2E-2	1.8E-2	---	---	1.8E-2	5.0E-2
Cs-134	mCi	<1.4E-12+	<1.4E-12+	<1.4E-12+	<1.4E-12+	<1.4E-12+	<1.4E-12+	<1.4E-12+	<1.4E-12+	<1.4E-12+
Cs-136	mCi	---	---	1.0E-2	1.0E-2	---	---	---	---	1.0E-2
Cs-137	mCi	1.9E-2	4.8E-12+	1.6E-2	3.5E-2	<1.8E-12+	<1.8E-12+	<1.8E-12+	<1.8E-12+	3.5E-2
Cs-138	mCi	3.5E0	2.5E1	1.5E0	3.0E1	5.6E0	7.1E0	3.4E0	1.6E1	4.6E1
Ce-141	mCi	<2.3E-12+	<2.3E-12+	<2.3E-12+	<2.3E-12+	<2.3E-12+	<2.3E-12+	<2.3E-12+	<2.3E-12+	<2.3E-12+
Ce-144	mCi	<8.5E-12+	<8.5E-12+	<8.5E-12+	<8.5E-12+	<8.5E-12+	<8.5E-12+	<8.5E-12+	<8.5E-12+	<8.5E-12+
Na-24	mCi	4.4E-2	1.1E-1	---	1.6E-1	---	---	---	---	1.6E-1

\*Data to be presented in an errata to this report.

+Activity of each sample is less than LLD given (uCi/cc).

REPORT OF RADIOACTIVE EFFLUENTS

LRP-1110-3  
Revision 2  
August 6, 1985  
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ATTACHMENT A

FACILITY: LASALLE COUNTY NPS UNIT 1 & 2 DOCKET NOS.: 50-373, 50-374

YEAR: 1985

I. Gaseous Effluents(Cont)	UNITS	JAN	FEB	MAR	1ST QTR TOT	APR	MAY	JUN	2ND QTR TOT	6 MO TOTAL
<b>3. Main Stack Particulate Release</b>										
d. Percent Main Stack Limit	%	3.2E-5	1.2E-5	2.7E-5	1.2E-4	2.6E-5	8.0E-6	3.2E-5	9.9E-5	1.1E-4
e. Average Release Rate	uCi/sec	5.1E-2	5.7E-2	2.1E-2	4.3E-2	2.6E-2	1.8E-2	1.6E-2	2.0E-2	3.1E-2
<b>4. Sum of Iodine and Particulate</b>										
a. Percent Main Stack Limit	%	1.7E-4	2.5E-4	2.4E-4	6.2E-2	1.4E-4	1.7E-2	2.7E-2	7.5E-2	7.1E-2
<b>5. Gaseous Tritium</b>										
a. Release	Curies	6.7E-1	2.0E-1	1.5E-1	1.0E0	1.2E-3	<3.1E-9+	<3.2E-9+	1.2E-3	1.0E0
b. Average Release Rate	uCi/sec	2.5E-1	8.4E-2	5.5E-2	1.3E-1	4.6E-4	N/A	N/A	1.5E-4	6.5E-2
c. Percent Tech Spec Limit	%	4.4E-4	1.3E-4	9.7E-5	1.4E-3	7.9E-7	N/A	N/A	1.6E-6	6.8E-4

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+Activity of each sample is less than LLD given (uCi/cc).

## ATTACHMENT A

LRP-1110-3  
Revision 2  
August 6, 1985  
10REPORT OF RADIOACTIVE EFFLUENTS

FACILITY: LASALLE COUNTY NPS UNIT 1 &amp; 2 DOCKET NOS.: 50-373, 50-374

YEAR: 1985

II. Liquid Effluents(Cont)	UNITS	JAN	FEB	MAR	1ST QTR TOT	APR	MAY	JUN	2ND QTR TOT	6 MO TOTAL
1. Gross Radioactivity ( $\beta^-$ )		None					None			
a. Total Release	Curies Released	6.1E-3	2.8E-3	8.9E-3	2.9E-3	Released	6.6E-4	3.6E-3	1.2E-2	
b. Avq. Conc. Released	uCi/ml	N/A	1.6E-8	3.6E-8	1.9E-8	9.6E-9	N/A	2.5E-9	6.3E-9	1.9E-8
c. Max. Conc. Released	uCi/ml	N/A	2.9E-8	3.7E-8	3.7E-8	1.9E-8	N/A	2.5E-9	1.9E-8	3.7E-8
d. Percent of Tech Spec	%	N/A	1.8E-3	3.9E-5	3.5E-3	3.4E-5	N/A	1.7E-5	9.3E-5	1.8E-3
2. Tritium		None					None			
a. Total Release	Curies Released	9.7E-2	2.2E-2	1.2E-1	8.1E-2	Released	6.1E-2	1.4E-1	2.6E-1	
b. Avq. Conc. Released	uCi/ml	N/A	4.6E-4	4.5E-4	4.6E-4	3.9E-4	N/A	8.2E-4	5.0E-4	4.8E-4
c. Percent of Tech Spec	%	N/A	1.0E-5	2.3E-6	2.5E-5	8.4E-6	N/A	1.3E-5	2.9E-5	2.7E-5
3. Dissolved Noble Gases		None	None	None		None	None	None		
a. Total Release	Curies Released	Released	Released	Released	---	Released	Released	Released	---	---
b. Avq. Conc. Released	uCi/ml	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
c. Percent of Tech Spec	%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4. Gross Alpha Radioactivity		None					None			
a. Total Release	Curies Released	6.6E-6	6.3E-5	7.0E-5	9.4E-67	Released	8.2E-8	9.5E-6	8.0E-5	
b. Avq. Conc. Released	uCi/ml	N/A	1.7E-11	8.1E-10	1.5E-10	3.1E-11	N/A	3.0E-13	1.7E-11	8.0E-11
5. Volume of Liquid Waste	Liters	0	2.1E5	4.9E4	2.6E5	2.1E5	0	7.4E4	2.8E5	5.4E5
6. Volume of Dilution Water	Liters	0	3.8E8	7.8E7	4.6E8	3.0E8	0	2.7E8	5.7E8	1.0E9

\*Data to be presented in an errata to this report.

+Activity of each sample is less than LLD given (uCi/cc).

ATTACHMENT A

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Revision 2  
August 6, 1985  
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REPORT OF RADIOACTIVE EFFLUENTS

FACILITY: LASALLE COUNTY NPS UNIT 1 & 2 DOCKET NOS.: 50-373, 50-374

YEAR: 1985

II. Liquid Effluents(Cont)	UNITS	JAN	FEB	MAR	1ST QTR TOT	APR	MAY	JUN	2ND QTR TOT	6 MO TOTAL
7. Isotopes Released	milli-	None					None			
Total	curies Released	6.1E0	2.8E0	8.9E0	2.9E0	Released	6.6E-1	3.6E0	1.3E1	
Cr-51	mCi	---	1.5E-1	3.2E-2	1.8E-1	2.3E-1	---	---	2.3E-1	4.1E-1
Mn-54	mCi	---	4.0E0	1.9E0	5.9E0	1.4E0	---	4.1E-1	1.8E0	7.7E0
Co-58	mCi	---	2.9E-1	1.5E-1	4.4E-1	2.0E-1	---	6.9E-2	2.7E-1	7.1E-1
Fe-59	mCi	---	<1.3E-7+	<1.3E-7+	<1.3E-7+	3.7E-2	---	---	3.7E-2	3.7E-2
Co-60	mCi	---	1.1E0	6.4E-1	1.7E0	7.3E-1	---	1.8E-1	9.1E-1	2.6E0
Zn-65	mCi	---	4.9E-2	5.9E-2	1.1E-1	1.2E-1	---	---	1.2E-1	2.3E-1
Sr-89	mCi	---	3.6E-3	6.3E-2	6.7E-2	9.5E-2	---	1.7E-3	9.7E-2	1.6E-1
Sr-90	mCi	---	2.0E-4	2.4E-3	2.6E-3	1.5E-3	---	1.4E-4	1.6E-3	4.2E-3
P-32	mCi	---	5.6E-2	---	5.6E-2	---	---	---	---	5.6E-2
Fe-55	mCi	---	4.7E-1	4.3E-3	4.7E-1	3.5E-2	---	2.8E-5	3.5E-2	5.1E-1
Ru-103	mCi	---	---	---	---	---	---	---	---	---
I-131	mCi	---	<6.8E-8+	<6.8E-8+	<6.3E-8+	<6.8E-8+	---	---	<6.8E-8+	<6.8E-8+
Cs-134	mCi	---	<5.3E-8+	<5.3E-8+	<5.3E-8+	<5.3E-8+	---	---	<5.3E-8+	<5.3E-8+
Cs-137	mCi	---	<5.6E-8+	<5.6E-8+	<5.6E-8+	<5.6E-8+	---	---	<5.6E-8+	<5.6E-8+
Ba-140/La-140	mCi	---	---	---	---	---	---	---	---	---
Ce-141	mCi	---	<9.3E-8+	<9.3E-8+	<9.3E-8+	<9.3E-8+	---	---	<9.3E-8+	<9.3E-8+
Ce-144	mCi	---	<4.1E-7+	<4.1E-7+	<4.1E-7+	<4.1E-7+	---	---	<4.1E-7+	<4.1E-7+
Xe-133	mCi	---	<8.5E-8+	<8.5E-8+	<8.5E-8+	<8.5E-8+	---	---	<8.5E-8+	<8.5E-8+
Xe-133m	mCi	---	<3.5E-7+	<3.5E-7+	<3.5E-7+	<3.5E-7+	---	---	<3.5E-7+	<3.5E-7+
Xe-135	mCi	---	<3.8E-8+	<3.8E-8+	<3.8E-8+	<3.8E-8+	---	---	<3.8E-8+	<3.8E-8+

\*Data to be presented in an errata to this report.  
+Activity of each sample is less than LLD given (uCi/cc).

## ATTACHMENT A

LRP-1110-3  
Revision 2  
August 6, 1985  
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## REPORT OF RADIOACTIVE EFFLUENTS

FACILITY: LASALLE COUNTY NPS UNIT 1 &amp; 2 DOCKET NOS.: 50-373, 50-374

YEAR: 1985

III. Solid Waste Shipped  
Offsite for Burial  
or Disposal

	UNITS	JAN	FEB	MAR	1ST QTR TOT	APR	MAY	JUN	2ND QTR TOT	6 MO TOTAL
1. Spent Resins, Filter Sludges, Evaporator Bottoms, etc.										
a. Quantity Shipped	Cu. meters	7.6E1	4.9E1	9.4E1	2.2E2	1.2E2	9.1E1	1.0E2	3.1E2	5.3E2
b. Type of Waste		BB,FS SR	BB,SR Diat Earth	EB,SR Diat Earth		EB,SR Diat Earth	EB&SR	EB&SR		
c. Activity - Total Measured	Curies	4.6E1	1.8E1	3.3E1	9.7E1	3.9E1	3.6E1	3.2E1	1.1E2	2.1E2
d. Principle Nuclides Measured/%										
	Mn-54	%	40	40	40	40	40	40		
	Cr-51	%	25	25	25	25	25	25		
	Co-60	%	23	23	23	23	23	23		
e. Type of Container (LSA, Type A, Type B, Lge Quantity)	Container Volume	LSA 2.1E-1	LSA 2.1E-1	LSA 2.1E-1		LSA 2.1E-1	LSA 2.1E-1	LSA 2.1E-1		
f. Solidification Agent		CEMENT	CEMENT	CEMENT		CEMENT	CEMENT	CEMENT		
2. Dry Compressible Waste, Contaminated Equipment, etc.										
a. Quantity Shipped	Cu. meters	6.6E0	4.0E0	2.7E1	7.4E1	2.6E1	4.7E1	2.5E1	9.8E1	1.7E2
b. Activity - Total Measured	Curies	2.6E-1	4.6E-1	5.1E-1	1.2E0	3.6E-1	8.2E-1	2.5E-1	1.4E0	2.7E0
c. Principle Nuclides Measured/%										
	Mn-54	%	40	40	40	40	40	40		
	Cr-51	%	25	25	25	25	25	25		
	Co-60	%	23	23	23	23	23	23		
d. Type of Container (LSA, Type A, Type B, Lge Quantity)	Container Volume	LSA 2.1E-1	LSA 2.1E-1 or 2.7E0	LSA 2.1E-1 or 2.7E0		LSA 2.1E-1	LSA 2.1E-1 or 2.7E0	LSA 2.1E-1 or 2.7E0		
e. Type of Waste		DAW	DAW	DAW		DAW	DAW	DAW		



RWA - Richland, Washington  
 BSC - Barnwell, South Carolina  
 CN - Chem Nuclear Co.  
 HN - Hittman Nuclear & Development Co.  
 TSMT - Tri-State Motor Transit

ATTACHMENT A  
REPORT OF RADIOACTIVE WASTE SUMMARY  
 UNITS 1/2  
 LASALLE COUNTY NUCLEAR POWER STATION

LRP-1110-3  
 Revision 2  
 August 6, 1985  
 16

DATE	DISPOSITION OF MATERIAL		Type of Waste	Type of Container	Solidification Agent	Principle Nuclides	Shipment Volume (ft3)	Shipment Activity (mCi)	Volume Per Month (ft3)	Activity Per Month (mCi)
	TRANS CO.	BURIAL SITE								
02JAN85	Tri-State M.T.	RWA	SR	LSA	Cement	Cr-51	182	5811.0	182	5811.0
04JAN85	CN	RWA	Evap. Bottoms	LSA	Cement	Mn-54	105	2034.2	287	7845.2
07JAN85	CN	RWA	EB & DAW	LSA	Cement	Co-60	270	2184.7	557	10029.9
07JAN85	CN	RWA	EB & FS	LSA	Cement	Co-58	105	1640.0	662	11669.9
08JAN85	McCormack's	RWA	SR	LSA	Cement	Fe-59	182	5408.0	884	17077.9
08JAN85	CN	RWA	Evap. Bottoms	LSA	Cement	Zn-65	105	1382.0	949	18459.9
09JAN85	CN	RWA	EB & DAW	LSA	Cement	Sb-124	292.5	2213.1	1241.5	20673.0
11JAN85	CN	RWA	EB & DAW	LSA	Cement	Nb-95	240	1928.4	1481.5	22601.4
11JAN85	CN	RWA	EB, FS & DAW	LSA	Cement	Fe-55	105	1789.2	1586.5	24390.6
15JAN85	CN	RWA	Evap. Bottoms	LSA	Cement	Ni-63	105	1584.2	1691.5	25974.8
17JAN85	CN	RWA	Evap. Bottoms	LSA	Cement		270	2329.4	1961.5	28304.2
18JAN85	CN	RWA	Evap. Bottoms	LSA	Cement		105	1800.7	2066.5	30104.9
19JAN85	CN	RWA	Evap. Bottoms	LSA	Cement		270	2182.4	2336.5	32287.3
23JAN85	Tri-State M.T.	RWA	SR	LSA	Cement		182	5022.2	2518.5	37309.5
23JAN85	CN	RWA	Evap. Bottoms	LSA	Cement		105	1225.6	2623.5	38535.1

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24JAN85	CN	RWA	Evap. Bottoms	LSA	Cement		105	1373.3	2728.5	39908.4
28JAN85	McCormack's	RWA	SR	LSA	Cement		182	6693.4	2910.5	46601.8
05FEB85	CN	RWA	EB & DAW	LSA	Cement	Mn-54	556.5	1831.0	556.5	1831.0
06FEB85	CN	RWA	EB & DAW	LSA	Cement	Cr-51	328.5	2351.7	885.0	4182.7
07FEB85	CN	RWA	EB	LSA	Cement	Co-60	105	1208.4	990.0	5391.1
11FEB85	CN	RWA	EB	LSA	Cement	Fe-55	105	1232.3	1095	6623.4
12FEB85	CN	RWA	EB & DIAT. EARTH	LSA	Cement	Co-58	105	1591.3	1200	8214.7
14FEB85	CN	RWA	EB & DAW	LSA	Cement	Fe-59	270	1910.1	1470	10124.8
18FEB85	CN	RWA	EB, SR, DAW	LSA	Cement	Zn-65	285	2338.2	1755	12463.0
22FEB85	CN	RWA	EB	LSA	Cement	Mn-54	105	1061.4	1860	13524.4
22FEB85	CN	RWA	EB, SR, DAW	LSA	Cement	Cr-51	262.5	2401.5	2122.5	15925.9
26FEB85	Tri-State	RWA	DAW	LSA	N/A	Co-60	712.5	284.3	2835	16210.2
28FEB85	CN	RWA	EB & DAW	LSA	Cement	Fe-55	285	1727.6	3120	17937.8
01MAR85	CN	RWA	EB	LSA	Cement	Mn-54	202.5	2563.1	202.5	2563.1
04MAR85	CN	RWA	EB & DAW	LSA	Cement	Co-58	300.0	2201.7	502.5	4764.8

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	TRANS CO.	BURIAL SITE								
07MAR85	CN	RWA	DAW & EB	LSA	Cement	Co-60	292.5	2122.2	795.0	6887.0
08MAR85	CN	RWA	DAW & EB	LSA	Cement	Cr-51	292.5	2412.6	1087.5	9299.6
13MAR85	CN	RWA	DAW, EB, SR	LSA	Cement	Fe-55	292.5	2128.3	1380.0	11427.9
13MAR85	CN	RWA	DAW, EB, SR	LSA	Cement	Fe-59	300.0	2302.1	1680.0	13730.0
15MAR85	CN	RWA	DAW, SR, EB	LSA	Cement	Zn-65	351.0	2558.4	2031.0	16288.4
19MAR85	CN	RWA	DAW, SR, EB	LSA	Cement	Ni-63	300.0	2268.9	2331.0	18557.3
19MAR85	CN	RWA	DIAT EARTH SR, EB	LSA	Cement		202.5	2182.8	2533.5	20740.1
20MAR85	CN	RWA	DAW, EB, SR	LSA	Cement		285.0	1847.1	2818.5	22587.2
22MAR85	CN	RWA	DAW, EB, SR	LSA	Cement		336.0	2322.3	3154.5	24909.5
25MAR85	CN	RWA	DAW, EB, SR	LSA	Cement		285.0	2036.4	3439.5	26945.9
26MAR85	CN	RWA	DAW EB	LSA	Cement		292.5	2387.6	3732.0	29333.5
29MAR85	CN	RWA	EB	LSA	Cement		202.5	2548.7	3934.5	31882.2
30MAR85	CN	RWA	EB & DAW	LSA	Cement		336.0	1990.1	4270.5	33872.3
02APR85	CN	RWA	EB & DAW	LSA	Cement	Mn-54	292.5	2224.3	292.5	2224.3
03APR85	CN	RWA	EB	LSA	Cement	Cr-51	255.0	2401.2	547.5	4625.5

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	TRANS CO.	BURIAL SITE								
04APR85	CN	RWA	EB & DAW	LSA	Cement	Co-60	336.0	2110.9	883.5	6736.4
05APR85	CN	RWA	EB, DAW, SR	LSA	Cement	Fe-55	292.5	2050.4	1176.0	8786.8
08APR85	CN	RWA	EB	LSA	Cement	Co-58	202.5	1767.4	1378.5	10554.2
09APR85	CN	RWA	EB, DAW, SR	LSA	Cement	Mn-54	351	2312.33	1729.5	12866.5
12APR85	CN	RWA	EB, DAW, SR	LSA	Cement	Cr-51	336	2294.40	2065.5	15160.9
12APR85	Tri-State	RWA	EB & SR	LSA	Cement	Co-60	345	3289.34	2410.5	18450.2
13APR85	CN	RWA	EB & SR	LSA	Cement	Fe-55	336	2146.15	2746.5	20596.4
16APR85	CN	RWA	EB & DIAT EARTH	LSA	Cement	Co-58	202.5	2227.11	2949.0	22823.5
17APR85	CN	RWA	DAW, EB, SR	LSA	Cement	Zn-65	336.0	2121.59	3285.0	24945.1
18APR85	CN	RWA	EB, DAW, DIAT EARTH	LSA	Cement	Fe-59	292.5	1790.74	3577.5	26735.8
22APR85	Tri-State	RWA	EB & SR	LSA	Cement	Ni-63	330	2869.42	3907.5	29605.3
23APR85	CN	RWA	EB & SR	LSA	Cement	H-3	330	2018.79	4207.5	31624.0
26APR85	Tri-State	RWA	EB & SR	LSA	Cement	C-14	330	3114.90	4537.5	34738.9
26APR85	CN	RWA	EB & SR	LSA	Cement		292.5	2035.84	4830	36774.7
30APR85	CN	RWA	EB & SR	LSA	Cement		306	2474.21	5136	39248.9

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	TRANS CO.	BURIAL SITE								
08MAY85	HN	RWA	EB & SR	LSA	Cement	Co-60	255	2775.48	255	2775.48
10MAY85	HN	RWA	EB, DAW, SR	LSA	Cement	Cr-51	300	2391.34	555	5166.82
13MAY85	HN	RWA	EB & DAW	LSA	Cement	Fe-55	315	2604.39	870	7771.21
15MAY85	HN	RWA	EB, DAW, SR	LSA	Cement	Mn-54	315	2562.24	1185	10333.45
16MAY85	Tri-State	RWA	DAW	LSA	N/A	Zn-65	864	580.30	2049	10913.75
16MAY85	HN	RWA	EB, DAW, SR	LSA	Cement	Co-58	315	2473.56	2364	13387.31
17MAY85	HN	RWA	EB	LSA	Cement	Fe-59	180	2676.31	2544	16063.62
20MAY85	HN	RWA	EB & DAW	LSA	Cement	Ni-63	315	2557.05	2859	18620.67
22MAY85	HN	RWA	EB, DAW, SR	LSA	Cement	H-3	307.5	2823.53	3166.5	21444.2
23MAY85	HN	RWA	EB, DAW, SR	LSA	Cement	C-14	300	2522.94	3466.5	23967.14
24MAY85	HN	RWA	EB & SR	LSA	Cement		180	2928.72	3646.5	26895.86
28MAY85	HN	RWA	EB, DAW, SR	LSA	Cement		300	2593.46	3946.5	29489.32
30MAY85	HN	RWA	EB & DAW	LSA	Cement	Co-60	285	2351.59	4231.5	31840.91
31MAY85	Tri-State	RWA	EB, DAW, SR	LSA	Cement	Cr-51	447	2388.35	4678.5	34229.26
31MAY85	HN	RWA	EB	LSA	Cement	Fe-55 Mn-54	180	2424.83	4858.5	36654.09

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	TRANS CO.	BURIAL SITE								
05JUN85	HN	RWA	EB, DAW, SR	LSA	Cement	Mn-54	289.1	1913.45	289.1	1913.45
06JUN85	Tri-State	RWA	EB, DAW, SR	LSA	Cement	Cr-51	400.1	2121.51	689.2	4034.96
06JUN85	HN	RWA	EB, DAW	LSA	Cement	Co-60	300	2372.39	989.2	6407.35
07JUN85	HN	RWA	EB & SR	LSA	Cement	Co-58	277.5	2125.48	1266.7	8532.83
12JUN85	HN	RWA	EB & SR	LSA	Cement	Fe-55	277.5	1847.13	1544.2	10379.96
13JUN85	Tri-State	RWA	EB, DAW, SR	LSA	Cement	Zn-65	396	2523.96	1904.2	12903.92
14JUN85	HN	RWA	EB, DAW, SR	LSA	Cement	Fe-59	300	2279.71	2240.2	15183.63
18JUN85	HN	RWA	EB, DAW, SR	LSA	Cement	Ni-63	300	1919.95	2540.2	17723.83
19JUN85	HN	RWA	EB, DAW, SR	LSA	Cement	H-3	300	1982.51	2840.2	20564.03
20JUN85	Tri-State	RWA	EB, DAW, SR	LSA	Cement	C-14	412.4	2190.69	3252.6	22754.72
21JUN85	HN	RWA	EB, DAW, SR	LSA	Cement	Tc-99	300.7	2254.09	3553.3	25008.81
24JUN85	HN	RWA	EB & SR	LSA	Cement	I-129	336	2251.02	3889.3	27259.83
26JUN85	HN	RWA	EB & SR	LSA	Cement		336	2050.50	4225.3	29310.33
27JUN85	HN	RWA	EB, DAW, SR	LSA	Cement		300	2487.74	4525.3	31798.07