R-008-101.6

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K-65 WEEKLY REPORT JUNE 28, 1991

06-28-91

DOE/USEPA
12
REPORT

[redacted]

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K-65 WEEKLY REPORT
JUNE 28, 1991

RADON TREATMENT SYSTEM MODIFICATIONS:

Modifications to the RTS continued with completion of the pressurized leak testing on June 21, 1991, installation of new electric panels, and installation of desiccant. The results of the leak test were an average loss of 2.13 cubic feet per minute, well under the acceptable rate of 34 cfm.

Seven manway covers have been received on-site. Installation will be initiated upon site review and approval of required documentation. Manway installation is scheduled to be initiated on July 1, 1991.

SLANT BORINGS:

Groundwater encountered at 33 feet at boring location #2 was extracted on June 21, 1991, for IT and WMCO laboratory analysis. The total amount of boring penetration to date is 103 feet. Soil samples have been forwarded to IT laboratory for analysis.

Due to the installation of the manways starting July 1, 1991, the slant boring crew will be working 3:00 p.m. to 3:00 a.m.

WMCO laboratory analysis on all three boring locations (1,2,3) will be available soon.

CONTENT RESAMPLING:

Mobilization was initiated on June 20, 1991 in preparation for the scheduled July 13, 1991 start of the resampling efforts.

EPA comments on the Sampling and Analysis Plan are expected June 28, 1991.

PRESSURE AND TEMPERATURE MONITORS:

Installation of all pressure and temperature monitors will be by completed on June 29, 1991.

MAPPING:

The logistics demonstration on Silo 4 was held June 21, 1991. The equipment mock-up test is scheduled for July 8, 1991 at the Oak Ridge National Laboratory.

DECANT SUMP:

WMCO Environmental Monitoring extracted additional sludge samples from the decant sump tank on June 26, 1991. These samples have been sent to IT Laboratory.

Additional analysis results for the water sampling in Silo 4 are attached.

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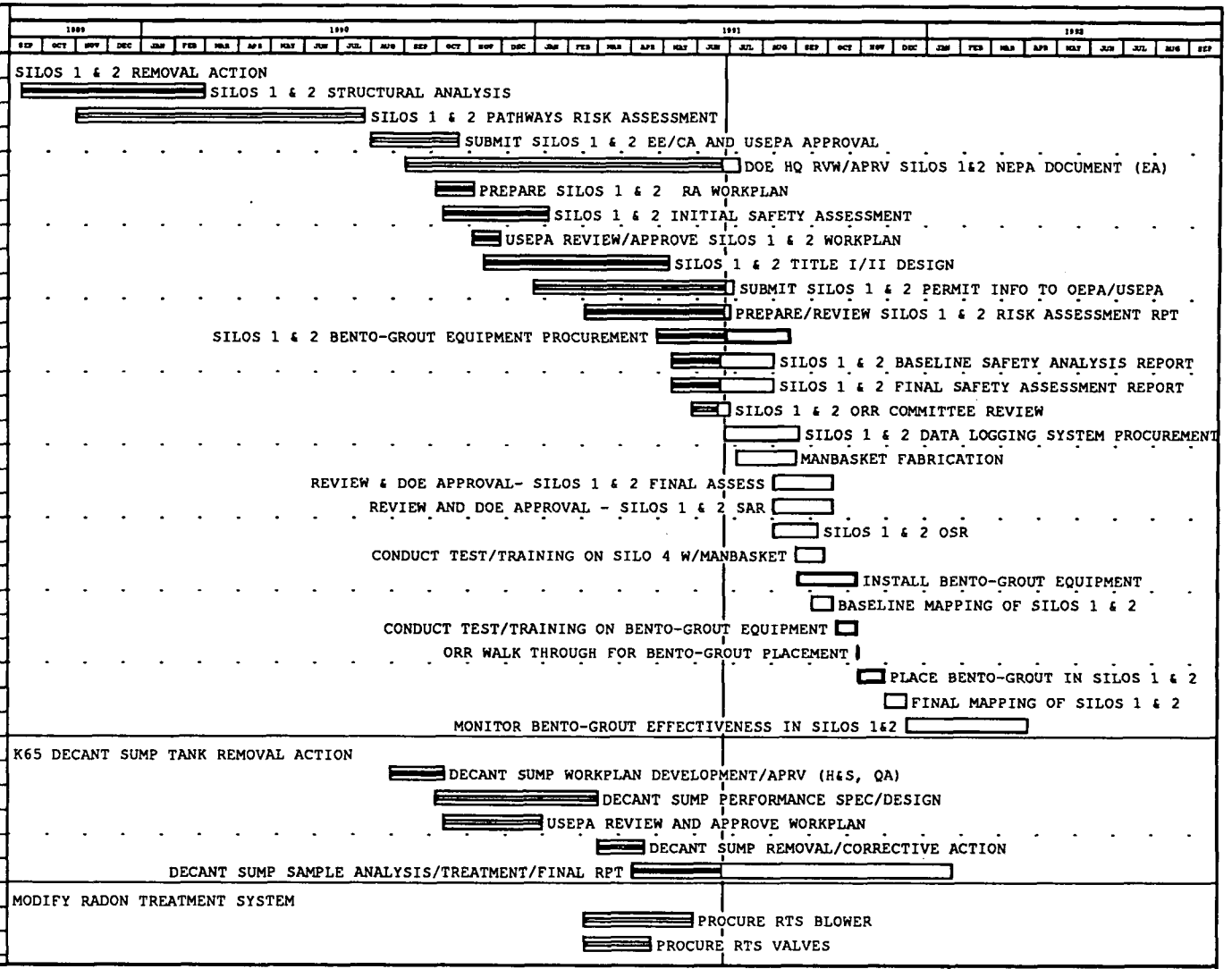
ACTIVITY ID	REM DUR	EARLY START	EARLY FINISH
Y404151001	0	12SEP89A	28FEB90A
Y404110001	0	2NOV89A	26JUL90A
Y404031001	0	1AUG90A	22OCT90A
Y404191001	9	3SEP90A	10JUL91
Y404031002	0	1OCT90A	5NOV90A
Y404121002	0	8OCT90A	14JAN91A
Y404046005	0	5NOV90A	30NOV90A
Y404051001	0	15NOV90A	6MAY91A
Y404311001	6	31DEC90A	5JUL91
Y404095000	3	18FEB91A	2JUL91
Y404096000	43	26APR91A	27AUG91
Y404121001	32	10MAY91A	12AUG91
Y404121003	32	10MAY91A	12AUG91
Y404095001	3	29MAY91A	2JUL91
Y404096200	50	28JUN91	5SEP91
Y404096300	56	9JUL91	2SEP91
Y404091005	40	13AUG91	7OCT91
Y404120004	40	13AUG91	7OCT91
Y404121004	30	13AUG91	23SEP91
Y404097005	27	3SEP91	29SEP91
Y404097000	56	5SEP91	30OCT91
Y404097001	20	18SEP91	7OCT91
Y404097002	20	11OCT91	30OCT91
Y404097003	1	31OCT91	31OCT91
Y404098000	25	1NOV91	25NOV91
Y404097004	20	26NOV91	15DEC91
Y404099000	81	16DEC91	6APR92
Y406031001	0	21AUG90A	10OCT90A
Y406051002	0	2OCT90A	3MAR91A
Y406031002	0	10OCT90A	10JAN91A
Y406091003	0	4MAR91A	16APR91A
Y406141004	152	5APR91A	27JAN92
Y407091001	0	19FEB91A	31MAY91A
Y407091002	0	19FEB91A	22APR91A



Activity Bar/Early Dates
Critical Activity
Progress Bar

Primavera Systems, Inc. 1984-1991

WESTINGHOUSE MATERIALS CO. OF OHIO
INTEGRATED PROJECT SCHEDULE
OPERABLE UNIT 4

Sheet 1 of 3

Project Start : 15SEP89
Project Finish: 10AUG92

Data Date: 28JUN91
Plot Date: 28JUN91

Prepared by Control Planning and Integration

Date	Revision	Checked	Approved

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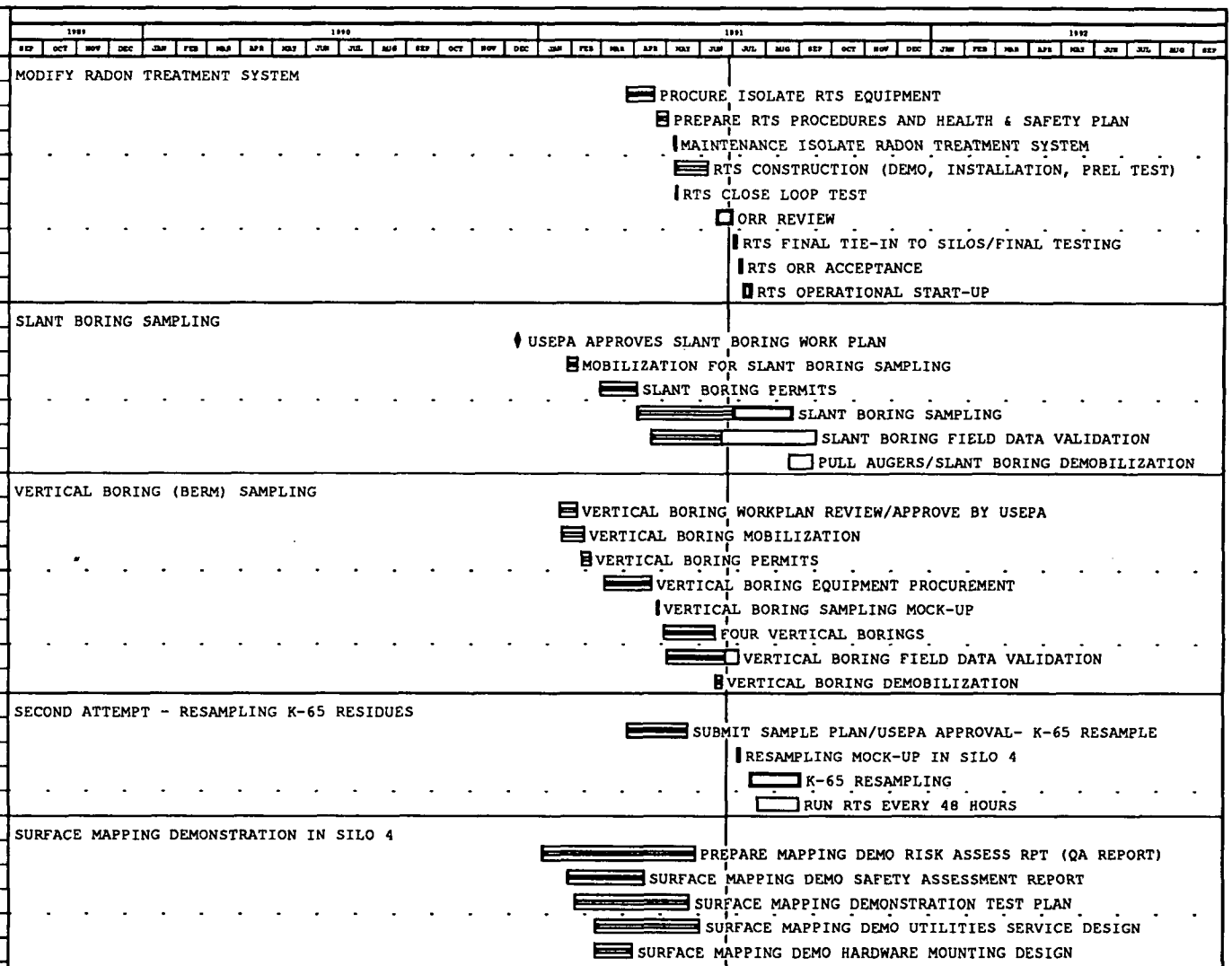
ACTIVITY ID	REM DUR	EARLY START	EARLY FINISH
MODIFY RADON TREATMENT SYSTEM			
Y407091003	0	25MAR91A	19APR91A
Y407091010	0	22APR91A	2MAY91A
Y407091008	0	8MAY91A	9MAY91A
Y407091004	0	9MAY91A	8JUN91A
Y407091009	0	10MAY91A	11MAY91A
Y407091011	2	17JUN91A	1JUL91
Y407091005	4	2JUL91	5JUL91
Y407091007	3	8JUL91	10JUL91
Y407091006	8	12JUL91	19JUL91
SLANT BORING SAMPLING			
Y408095050	0	14DEC90A	14DEC90A
Y408095040	0	29JAN91A	7FEB91A
Y408095051	0	1MAR91A	4APR91A
Y408095044	48	5APR91A	26AUG91
Y408095047	82	18APR91A	17SEP91
Y408095048	21	24AUG91	14SEP91
VERTICAL BORING (BERM) SAMPLING			
Y409095041	0	22JAN91A	7FEB91A
Y409095042	0	24JAN91A	14FEB91A
Y409095050	0	12FEB91A	20FEB91A
Y409095043	0	5MAR91A	18APR91A
Y409095051	0	24APR91A	25APR91A
Y409095044	0	30APR91A	17JUN91A
Y409095047	11	3MAY91A	8JUL91
Y409095048	0	18JUN91A	23JUN91A
SECOND ATTEMPT - RESAMPLING K-65 RESIDUES			
Y410091001	0	27MAR91A	22MAY91A
Y410091003	3	8JUL91	10JUL91
Y410091002	47	20JUL91	4SEP91
Y410091004	38	27JUL91	2SEP91
SURFACE MAPPING DEMONSTRATION IN SILO 4			
Y411091001	0	7JAN91A	30MAY91A
Y411331000	0	31JAN91A	12APR91A
Y411061000	0	6FEB91A	24MAY91A
Y411071000	0	25FEB91A	3JUN91A
Y411081000	0	25FEB91A	1APR91A



Activity Bar/Early Dates
Critical Activity
Progress Bar

Primavera Systems, Inc. 1984-1991

WESTINGHOUSE MATERIALS CO. OF OHIO
INTEGRATED PROJECT SCHEDULE
OPERABLE UNIT 4

Project Start : 18SEP89
Project Finish: 10AUG92

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Data Date: 28JUN91
Plot Date: 28JUN91

Prepared by Control Planning and Integration

Date	Revision	Checked	Approved

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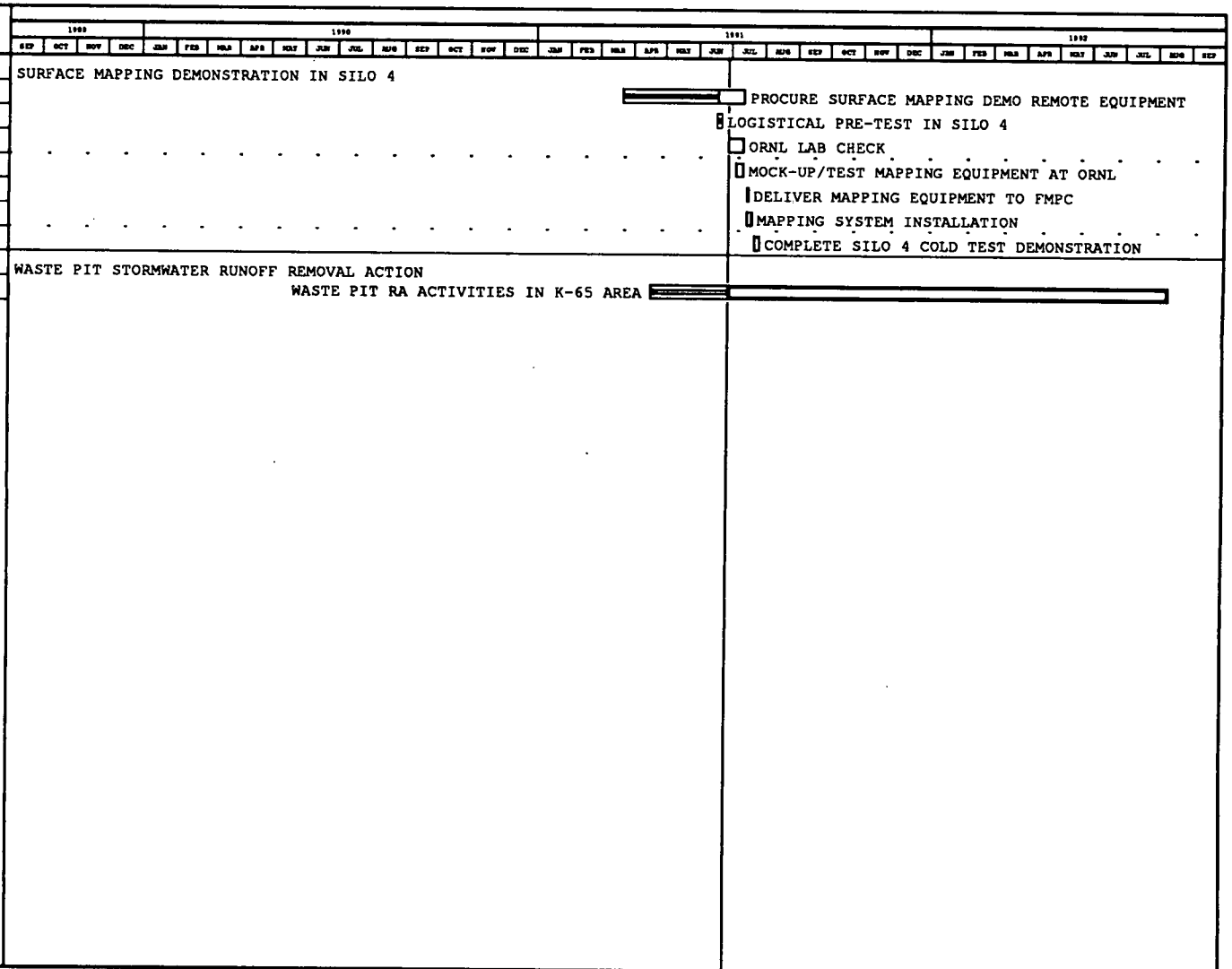
ACTIVITY ID	REM DUR	EARLY START	EARLY FINISH
SURFACE MAPPING DEMONSTRATION IN SILO 4			
Y411091002	11	21MAR91A	12JUL91
Y411091004	0	18JUN91A	21JUN91A
Y411091012	10	28JUN91	11JUL91
Y411091010	5	5JUL91	11JUL91
Y411091011	2	15JUL91	16JUL91
Y411091013	5	15JUL91	19JUL91
Y411091014	5	22JUL91	26JUL91
WASTE PIT STORMWATER RUNOFF REMOVAL ACTION			
Y510091001	410	17APR91A	10AUG92



Activity Bar/Early Dates
Critical Activity
Progress Bar

Primavera Systems, Inc. 1984-1991

WESTINGHOUSE MATERIALS CO. OF OHIO
INTEGRATED PROJECT SCHEDULE
OPERABLE UNIT 4

Project Start : 18SEP89
Project Finish: 10AUG92

Sheet 3 of 3

Data Date: 28JUN91
Plot Date: 28JUN91

Prepared by Control Planning and Integration

Date	Revision	Checked	Approved

Westinghouse Materials Co of Ohio
Analytical Chemistry Department
Results of Analyses

AnaLIS ID: 910531-056 Project: 0020 0001 Customer Sample ID: 91-067-2648
Customer: ENV.MONT.& SURV. Requisition Number:
Date Sampled: 31-MAY-1991 Date Sample Received: 31-MAY-1991
Sampled By: D.BACK Date Sample Completed:
Material Description: SILO #4 LIQUID SAMPLING SP.-2-0 Charge Number: RHD02

v. er	Procedure No.	Analysis	Result	Units	Data Entered By	QA File Number	Date Completed
		Ti - ICP AnL INORG	Void	ug/L			
20	1056	As - GFAA AnL INORG	<10	ug/L	GJ KUNZE	5100A-91-114	13-JUN-1991
20	1059	Hg - CVAA AnL INORG	<0.2	ug/L	GJ KUNZE	MAS-50B-91-01	12-JUN-1991
20	1060	Pb - GFAA AnL INORG	11.4	ug/L	GJ KUNZE	5100A-91-115	17-JUN-1991
20	1061	Se - GFAA AnL INORG	<17	ug/L	GJ KUNZE	5100A-91-117	18-JUN-1991
20	9043	Ag - ICP AnL INORG	<10	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Al - ICP AnL INORG	<200	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Ba - ICP AnL INORG	<200	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Be - ICP AnL INORG	<5	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Ca - ICP AnL INORG	6760	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Cd - ICP AnL INORG	<5	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991

9043	Cr - ICP AnL INORG	23	ug/L	AJ BOWMAN	ICP-91-012	12-JUN-1991
9043	Cu - ICP AnL INORG	35	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Fe - ICP AnL INORG	1100	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	K - ICP AnL INORG	212000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Mg - ICP AnL INORG	<5000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Mn - ICP AnL INORG	28	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Na - ICP AnL INORG	191000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Ni - ICP AnL INORG	<40	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Sb - ICP AnL INORG	<60	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	V - ICP AnL INORG	<50	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Zn - ICP AnL INORG	529	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991

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Westinghouse Materials Co of Ohio
Analytical Chemistry Department
Results of Analyses

AnaLIS ID: 910531-033 Project: 0020 0001 Customer Sample ID: 91-067-2647
Customer: ENV.MONT.& SURV. Requisition Number:
Date Sampled: 31-MAY-1991 Date Sample Received: 31-MAY-1991
Sampled By: D.BACK Date Sample Completed:
Material Description: SILO 04 LIQUID SAMPLING SP.-1-0 Charge Number: RH002

/. ir	Procedure No.	Analysis	Result	Units	Data Entered By	QA File Number	Date Completed
		Ti - ICP AnL INORG	VOID	ug/L			
:0	1056	As - GFAA AnL INORG	<10	ug/L	GJ KUNZE	5100A-91-114	13-JUN-1991
:0	1059	Hg - CVAA AnL INORG	<0.2	ug/L	GJ KUNZE	MAS-508-91-01	12-JUN-1991
:0	1060	Pb - GFAA AnL INORG	<6.0	ug/L	GJ KUNZE	5100A-91-115	17-JUN-1991
:0	1061	Se - GFAA AnL INORG	<17	ug/L	GJ KUNZE	5100A-91-117	18-JUN-1991
:0	9043	Ag - ICP AnL INORG	<10	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Al - ICP AnL INORG	<200	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Ba - ICP AnL INORG	<200	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Be - ICP AnL INORG	<5	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Ca - ICP AnL INORG	<5000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Cd - ICP AnL INORG	<5	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991

9043	Co - ICP AnL INORG	<50	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Cr - ICP AnL INORG	76	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Cu - ICP AnL INORG	<25	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Fe - ICP AnL INORG	179	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	K - ICP AnL INORG	210000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Mg - ICP AnL INORG	<5000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Mn - ICP AnL INORG	<15	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Na - ICP AnL INORG	190000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Ni - ICP AnL INORG	<40	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Sb - ICP AnL INORG	<60	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	V - ICP AnL INORG	<50	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Zn - ICP AnL INORG	1290	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991

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Westinghouse Materials Co of Ohio
Analytical Chemistry Department
Results of Analyses

AnaLIS ID: 910531-054 Project: 0020 0001 Customer Sample ID: 91-067-2646
Customer: ENV.MONT.& SURV. Requisition Number:
Date Sampled: 31-MAY-1991 Date Sample Received: 31-MAY-1991
Sampled By: D.BACK Date Sample Completed:
Material Description: FIELD BLANK SILO #4 Charge Number: RHD02

r	Procedure No.	Analysis	Result	Units	Data Entered By	QA File Number	Date Completed
		Ti - ICP AnL INORG	Void	ug/L			
:0	1056	As - GFAA AnL INORG	<10	ug/L	GJ KUNZE	5100A-91-114	13-JUN-1991
:0	1059	Hg - CVAA AnL INORG	<0.2	ug/L	GJ KUNZE	MAS-50B-91-01	12-JUN-1991
:0	1060	Pb - GFAA AnL INORG	7.8	ug/L	GJ KUNZE	5100A-91-115	17-JUN-1991
:0	1061	Se - GFAA AnL INORG	<17	ug/L	GJ KUNZE	5100A-91-117	18-JUN-1991
:0	9043	Ag - ICP AnL INORG	<10	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Al - ICP AnL INORG	<200	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Ba - ICP AnL INORG	<200	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Be - ICP AnL INORG	<5	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Ca - ICP AnL INORG	<5000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Cd - ICP AnL INORG	<5	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991

9043	Cr - ICP AnL INORG	<10	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Cu - ICP AnL INORG	<25	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Fe - ICP AnL INORG	109	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	K - ICP AnL INORG	<5000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Mg - ICP AnL INORG	<5000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Mn - ICP AnL INORG	<15	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Na - ICP AnL INORG	<5000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Ni - ICP AnL INORG	<40	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Sb - ICP AnL INORG	<60	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	V - ICP AnL INORG	50	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Zn - ICP AnL INORG	653	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991

Westinghouse Materials Co of Ohio
Analytical Chemistry Department
Results of Analyses

AnaLIS ID: 910531-053 Project: 0020 0001 Customer Sample ID: 91-067-2645
Customer: ENV.MONT.& SURV. Requisition Number:
Date Sampled: 31-MAY-1991 Date Sample Received: 31-MAY-1991
Sampled By: D.BACK Date Sample Completed:
Material Description: TRIP BLANK SILO #4 Charge Number: RHD02

Ver	Procedure No.	Analysis	Result	Units	Data Entered By	QA File Number	Date Completed
		Ti - ICP AnL INORG	VOID	ug/L			
20	1056	As - GFAA AnL INORG	<10	ug/L	GJ KUNZE	5100A-91-114	13-JUN-1991
20	1059	Hg - CVAA AnL INORG	<0.2	ug/L	GJ KUNZE	MAS-50B-91-01	12-JUN-1991
20	1060	Pb - GFAA AnL INORG	<6.0	ug/L	GJ KUNZE	5100A-91-115	17-JUN-1991
20	1061	Se - GFAA AnL INORG	<17	ug/L	GJ KUNZE	5100A-91-117	18-JUN-1991
20	9043	Ag - ICP AnL INORG	<10	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Al - ICP AnL INORG	742	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Ba - ICP AnL INORG	<200	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Be - ICP AnL INORG	<5	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Ca - ICP AnL INORG	<5000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
	9043	Cd - ICP AnL INORG	<5	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991

	[illegible]	<50	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Cr - ICP AnL INORG	<10	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Cu - ICP AnL INORG	<25	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Fe - ICP AnL INORG	352	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	K - ICP AnL INORG	<5000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Mg - ICP AnL INORG	<5000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Mn - ICP AnL INORG	<15	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Na - ICP AnL INORG	<5000	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Ni - ICP AnL INORG	<40	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Sb - ICP AnL INORG	<60	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	V - ICP AnL INORG	105	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991
9043	Zn - ICP AnL INORG	1410	ug/L	AJ BOWMAN	ICP2-91-012	12-JUN-1991

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