Appendix F

Waste Management Data
(on CD included with this document)

Attachment F-1 2005 Investigation-Derived Waste Summary at SWMU 61-002

Attachment F-2 2005 Waste Manifests for SWMU 61-002

Attachment F-3 2006 Waste Manifests for SWMU 61-002

Attachment F-4 Waste Profile Forms and Consolidated Remote Waste Storage Disposal Request for SWMU 61-002

Attachment F-1

2005 Investigation-Derived Waste Summary at SWMU 61-002

Table F1-1
Summary of Waste Volumes Derived During the 2005 ACA at SWMU 61-002

SWMU	Date	Shipment Number	Volume (cubic yard)	Manifest Number
61-002	08/17/05	1	15.37	05445
61-002	08/17/05	2	14.95	05446
61-002	08/17/05	3	15.37	05447
61-002	08/17/05	4	15.53	05448
61-002	08/17/05	5	13.15	05449
61-002	08/17/05	6	15.53	05450
61-002	08/17/05	7	13.74	05451
61-002	08/17/05	8	13.12	05452
61-002	08/17/05	9	13.93	05453
61-002	08/17/05	10	12.47	05454
61-002	08/22/05	11	13.58	05455
61-002	08/22/05	12	15.53	05456
61-002	08/22/05	13	15.53	05457
61-002	08/22/05	14	12.92	05458
61-002	08/22/05	15	15.53	05459
61-002	08/22/05	16	13.36	05460
61-002	08/22/05	17	15.53	05461
61-002	08/22/05	18	13.67	05462
61-002	08/22/05	19	15.53	05463
61-002	08/22/05	20	13.63	05464
61-002	08/22/05	21	15.53	05465
61-002	08/22/05	22	15.53	05466
61-002	08/22/05	23	13.36	05467
61-002	08/22/05	24	15.53	05468
61-002	08/22/05	25	11.79	05469
61-002	08/22/05	26	14.00	05470
61-002	08/22/05	27	15.53	05471
61-002	08/22/05	28	18.99	05472
61-002	08/22/05	29	15.53	05473
61-002	04/04/07	30	15.42	0363789
Total Volume for SWMU 61-002			**439.45**	

Table F1-2
Summary of Waste Characterization Samples Collected and Analyses Performed During the 2005 ACA at SWMU 61-002

SWMU	Storage Area	Date Collected	Location ID	Sample ID	Depth (ft)	Excavated during 2005 Field Activities	Sample Type[a]	Medium[b]	Analytical Suites Requested (by Request Number)						
									VOCs	SVOCs	PCBs	TPH-GRO	TPH-DRO	Metal TCLP	Ignitability
61-002	na	03/22/05	61-24310	RE61-05-58761	0.0–3.5	NO	WST	Soil	3020S	3020S	3020S	3020S	3020S	3021S	—
61-002	na	03/22/05	61-24313	RE61-05-58762	0.0–3.5	YES	WST	Soil	3020S	3020S	3020S	3020S	3020S	3021S	—
61-002	na	03/22/05	61-24314	RE61-05-58763	0.0–3.5	NO	WST	Soil	3020S	3020S	3020S	3020S	3020S	3021S	—
61-002	na	03/23/05	61-24315	RE61-05-58764	0.0–2.7	NO	WST	Soil	3022S	3022S	3022S	3022S	3022S	3023S	—
61-002	na	03/23/05	61-24316	RE61-05-58765	0.0–2.1	NO	WST	Soil	3022S	3022S	3022S	3022S	3022S	3023S	—
61-002	na	03/24/05	61-24320	RE61-05-58766	0.0–2.0	NO	WST	Soil	3032S	3032S	3032S	3032S	3032S	3033S	—
61-002	na	03/28/05	61-24330	RE61-05-58767	0.0–2.0	NO	WST	Qbt4	3045S	3045S	3045S	3045S	3045S	3046S	—
61-002	na	05/31/05	61-24513	RE61-05-58945	0.0–2.5	NO	WST	Soil	3321S (+MTBE)	3321S	3321S	3321S	3321S	3322S	—
61-002	na	09/20/05	na	RE61-05-63536	na	YES	WST	na	3962S	3962S	3962S	3962S	3962S	3963S	3969S
61-002	na	09/20/05	na	RE61-05-63537	na	YES	WST	na	3962S	3962S	3962S	3962S	3962S	3963S	—
61-002	na	09/20/05	na	RE61-05-63538	na	YES	WST	na	3962S	3962S	3962S	3962S	3962S	3963S	—
61-002	na	09/20/05	na	RE61-05-63539	na	YES	WST	na	3962S	3962S	3962S	3962S	3962S	3963S	3969S
61-002	na	09/20/05	na	RE61-05-63540	na	YES	WST	na	3962S	3962S	3962S	3962S	3962S	3963S	—
61-002	na	09/20/05	na	RE61-05-63541	na	YES	WST	na	3962S	3962S	3962S	3962S	3962S	3963S	—
61-002	na	09/20/05	na	RE61-05-63542	na	YES	WST	na	3962S	3962S	3962S	3962S	3962S	3963S	3969S
61-002	na	09/20/05	na	RE61-05-63543	na	YES	WST	ALLH	3962S	3962S	3962S	3962S	3962S	3963S	—
61-002	na	09/20/05	na	RE61-05-63544	na	YES	WST	ALLH	3962S	3962S	3962S	3962S	3962S	3963S	—
61-002	na	09/20/05	na	RE61-05-63545	na	YES	WST	ALLH	3962S	3962S	3962S	3962S	3962S	3963S	3969S
61-002	na	09/20/05	na	RE61-05-63546	na	YES	WST	ALLH	3962S	3962S	3962S	3962S	3962S	3963S	—
61-002	na	09/20/05	na	RE61-05-63547	na	YES	WST	ALLH	3962S	3962S	3962S	3962S	3962S	3963S	—
61-002	na	09/20/05	na	RE61-05-63548	na	YES	WST	ALLH	3962S	3962S	3962S	3962S	3962S	3963S	3969S
61-002	na	09/20/05	na	RE61-05-63549	na	YES	WST	ALLH	3962S	3962S	3962S	3962S	3962S	3963S	—
61-002	na	09/20/05	na	RE61-05-63550	na	YES	WST	ALLH	3962S	3962S	3962S	3962S	3962S	3963S	—
61-002	na	11/14/06	61-26986	RE61-06-73165	na	NO	WST	Soil	6424S	6424S	6424S	6424S	6424S	6425S	—
61-002	na	08/9/06	na	RE61-06-71545	na	NO	WST	Soil	—	—	5734S	—	—	—	—

Table F1-2 (continued)

SWMU	Storage Area	Date Collected	Location ID	Sample ID	Depth (ft)	Excavated during 2005 Field Activities	Sample Type[a]	Medium[b]	Analytical Suites Requested (by Request Number)						
									VOCs	SVOCs	PCBs	TPH-GRO	TPH-DRO	Metal TCLP	Ignitability
61-002	na	08/9/06	na	RE61-06-71546	na	NO	WST	Soil	—	—	5734S	—	—	—	—
61-002	na	08/9/06	na	RE61-06-71547	na	NO	WST	Soil	—	—	5734S	—	—	—	—
61-002	na	09/12/06	na	RE61-06-71548	na	NO	WST	Soil	6083S	6083S	6083S	6083S	6083S	—	—

[a] WST = Waste sample.

[b] ALLH = All horizons soil sample. Qbt 4 = Quaternary Member of the Bandelier Tuff Unit 4.

[c] MTBE = tert-butyl methyl ether.

[d] — = Not analyzed.

Attachment F-2

2005 Waste Manifests for SWMU 61-002

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Tra. 3128

#6755

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515
Manifest Document No. 05445
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

[redacted]

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: VAT000629147

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	18,127 ~~9072~~	K
	b.				
	c.				
	d.				

[redacted]

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a: ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Paul N. Newling | Signature: [signature] | Month Day Year: 08 17 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: James Drozdz | Signature: [signature] | Date Month Day Year: 08 18 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Date Month Day Year:

19. Discrepancy Indication Space: Changes OK per Victor Hande 8-19-05 WN

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: JessaLynne Wells | Signature: [signature] | Date Month Day Year: 8-19-05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) DA 8/19/05 ~~3704053~~ 3704753

GENERATOR: LOS ALAMOS LAB WP- 19406

TRANSPORTER: MPE CONT# - 05-86068

ID NOTES: 3128 ID# 533

☐ R.OFF ☑DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 74040 lb

LOOP ID 632

IN-DATE 8-19-05 TIME 8:22

OUT-DATE 8-19-05 TIME 9:32

SCHED.DATE _____ TIME _____

DESTINATION: ☑WOLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 632

74040 lb GROSS

34160 lb TARE

39880 lb NET

INITIALS: WEIGH-IN [signature] WEIGH OUT [signature]

COMMENTS: _____

ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Tra. 3143

#675[illegible]

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515
Manifest Document No. 05446
2. Page 1 of 1
Information in the shaded areas is not required by Federal law

A. State Manifest Document Number [illegible]

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: KAT000624247

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	17,636.36 ~~9072~~	K
	b.				
	c.				
	d.				

J. Additional Descriptions for Materials Listed Above [illegible] WP-D19406 [illegible]

K. Handling Codes for Wastes Listed Above [illegible]

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Paul N. Newberry | Signature: [signature] | Month Day Year: 08 17 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: STONY AVANTS | Signature: Stony Avants | Date Month Day Year: 08 18 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date Month Day Year

19. Discrepancy Indication Space: Changes OK per Victor Alarde 8-19-05 WW

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jessalynne Wells | Signature: Jessalynne Wells | Date Month Day Year: 08 19 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704754

GENERATOR: LOS ALAMOS LAB WP- 19406

TRANSPORTER: MPE CONT# - 05-86070

ID NOTES: 3143 ID# 557

☐ R.OFF ☑ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 73400 lb

LOOP ID 634

IN-DATE 8-19-05 TIME 8:31

OUT-DATE 8-19-05 TIME 9:45

SCHED.DATE _____ TIME _____

DESTINATION: ☑ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 634

73400 lb GROSS

34600 lb TARE

38800 lb NET

INITIALS: WEIGH-IN [illegible] WEIGH OUT [illegible]

COMMENTS: _____

ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Tra. 3126

#6756

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
NM0890010515	05447		

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505) 665-6158

5. Transporter 1 Company Name	6. US EPA ID Number
MPEnvironmental Services	TXT000624247
7. Transporter 2 Company Name	8. US EPA ID Number

9. Designated Facility Name and Site Address	10. US EPA ID Number
WASTE CONTROL SPECIALISTS 9998 HIGHWAY 176 WEST ANDREWS COUNTY, TX 79714	TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CF	18,127.27 9072	K
	b.				
	c.				
	d.				

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. RRGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul V. Neeley		08 11 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year
T.S. DeSoTell		8 18 05
18. Transporter 2 Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Discrepancy Indication Space Changes OK per Victor Hoade 8-19-05 MM

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	Jessalynne Wells	08 19 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704755

GENERATOR: LOS ALAMOS LAB WP- 19406
MPE
TRANSPORTER: CONT#- 05-86069
ID NOTES: 3126 ID# 512
☐ R.OFF ☒ DT ☐ VAN ☐ FLAT ☐ RAIL
INBOUND 75320 lb
LOOP ID 633

IN-DATE 8-19-05 TIME 8:27
OUT-DATE 8-19-05 TIME 9:41
SCHED.DATE _____ TIME _____

DESTINATION: ☒ DLF ☐ BSA ☐ CSA ☐ DROP
☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____
LOOP ID 633

75320 lb GROSS
35440 lb TARE
39880 lb NET

INITIALS: WEIGH-IN DA WEIGH OUT DAM
COMMENTS: _____

ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

TM. 3133

6758

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
NM0890010515	05448		

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

5. Transporter 1 Company Name	6. US EPA ID Number
MR Environmental Services	CAT080026929
7. Transporter 2 Company Name	8. US EPA ID Number

9. Designated Facility Name and Site Address	10. US EPA ID Number
WASTE CONTROL SPECIALISTS 9998 HIGHWAY 176 WEST ANDREWS COUNTY, TX 79714	TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	18,318.18 -9072	K
	b.				
	c.				
	d.				

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

MPE FLD. TKT. E420621

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul N. Nanda		08 17 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date
PAUL POLAND	Paul Poland	Month Day Year 08 17 05
18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date
		Month Day Year

FACILITY

19. Discrepancy Indication Space Changes to manifest OK per Victor Wade 8-19-05 WN

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date
Jessalynne Wells	Jessalynne Wells	Month Day Year 08 19 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

WASTE CONTROL SPECIALISTS, L
ANDREWS, TEXAS (505) 394-430

MANIFEST#(S) 3704756

GENERATOR : LOS ALAMOS LAB WP- 19406

TRANSPORTER : MPE CONT# - 05-86071

ID NOTES: 3133 ID# 564

☐ R.OFF ☑ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 75120 lb

LOOP ID 635

IN-DATE 8-19-05 TIME 8:35

OUT-DATE 8-19-05 TIME 9:51

SCHED.DATE _____ TIME _____

DESTINATION: ☑ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 635

75120 lb GROSS

34820 lb TARE

40300 lb NET

INITIALS: WEIGH-IN OA WEIGH OUT DSN

COMMENTS: _____

ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Trip 3128

#6768

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMO890010515 | Manifest Document No. 05449 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: KAT000629247

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	~~18,318.18~~ VG ~~-3072~~ 15,518.18	K
	b.				
	c.				
	d.				

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Paul V. Neeley | Signature | Month Day Year: 08 19 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAMES DROZDL | Signature | Date: Month Day Year 08 19 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space: Changes to manifest OK per Victor Okarde 8-22-05 VO

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jessalyne Wells | Signature: Jessalyne Wells | Date: Month Day Year 08 22 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704758

GENERATOR: LAS ALAMOS WP- 19406

TRANSPORTER: WCS CONT#- 05-86136

ID NOTES: ID# 533

☐ R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 68640 lb

LOOP ID 691

IN-DATE 8-22-05 TIME 9:17

OUT-DATE 8-22-05 TIME 9:56

SCHED.DATE _____ TIME _____

DESTINATION: ☐ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 691

68640 lb GROSS

34500 lb TARE

34140 lb NET

INITIALS: WEIGH-IN [signature] WEIGH OUT [signature]

COMMENTS: 05-861360

ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Tm 3126
#6767

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NM0890010515	Manifest Document No. 05450	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

[redacted]

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: ICAT000624247

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	[redacted]
	a. PCB WASTE	1	CM	18318.18	K	
	b.					
	c.					
	d.					

[redacted]

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul N. Newby	[signature]	08 17 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
M. Desorell	[signature]	8 17 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space: Changes to manifest OK per Victor Garde 8-22-05 wn

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	[signature]	08 22 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-430(

MANIFEST#(S) 3704759

GENERATOR : LAS ALAMOS WP- 19406 05-86137

TRANSPORTER : ~~HSS DA~~ APE 8/22/05 CONT# -

ID NOTES: 3126 ID# 512

☐ R.OFF ☑ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 72560 lb

LOOP ID 688

IN-DATE 8-22-05 TIME 9:07

OUT-DATE 8-22-05 TIME 10:17

SCHED.DATE _____ TIME _____

DESTINATION: ☑ DLF , ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E. PAN 2 ☐ OUT ☐ _____

LOOP ID 688

72560 lb GROSS

34960 lb TARE

37600 lb NET

INITIALS: WEIGH-IN DA WEIGH OUT [illegible]

COMMENTS: 05-86137

ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Tra. 3133

6769

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NM0890010515	Manifest Document No. 05451	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

5. Transporter 1 Company Name	6. US EPA ID Number
MPEnvironmental Services	CAT000624247
7. Transporter 2 Company Name	8. US EPA ID Number

9. Designated Facility Name and Site Address	10. US EPA ID Number
WASTE CONTROL SPECIALISTS 9998 HIGHWAY 176 WEST ANDREWS COUNTY, TX 79714	TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	~~18,512.16~~ 16,209.89	K
	b.				
	c.				
	d.				

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. REGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Paul N. Neuhaus		08	17	05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year
Paul Poland	Paul Poland	08	19	05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year

FACILITY

19. Discrepancy Indication Space Changes to manifest OK per Victor Sparde 8-22-05 WN

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date: Month	Day	Year
Jessalyne Wells	Jessalyne Wells	08	22	05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704760

GENERATOR: LAS ALAMOS WP- 19406

TRANSPORTER: ~~WCS~~ DA 8/22/05 CONT#- 05-86135
MPE

ID NOTES: 3133 ID# 564

☐ R.OFF ☐ ~~BT~~ ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 71100 lb
LOOP ID 690

IN-DATE 8-22-05 TIME 9:14

OUT-DATE 8-22-05 TIME 10:23

SCHED.DATE _____ TIME _____

DESTINATION: ☒ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 690

71100 lb GROSS
35440 lb TARE
35660 lb NET

INITIALS: WEIGH-IN DA WEIGH OUT RRM

COMMENTS: 05-86135

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

INV 351
TRA. 3143

#6770

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NM0890010515	Manifest Document No. 05452	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

5. Transporter 1 Company Name	6. US EPA ID Number
MPEnvironmental Service	C.A.T.0.0.0.4.2.4.8.9.7
7. Transporter 2 Company Name	8. US EPA ID Number

9. Designated Facility Name and Site Address	10. US EPA ID Number
WASTE CONTROL SPECIALISTS 9998 HIGHWAY 176 WEST ANDREWS COUNTY, TX 79714	TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	~~18316~~ 15,481	K
	b.				
	c.				
	d.				

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul N. Neeley		08 17 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials		Date
Printed/Typed Name: STONY AVANTS	Signature	Month Day Year: 08 19 05
18. Transporter 2 Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Discrepancy Indication Space Changes to manifest OK per Victor Wade 8-22-05 WN

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date: Month Day Year
Jessalyne Wells		08 22 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

WASTE CONTROL SPECIALISTS, LL
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704761

GENERATOR : LAS ALAMOS WP- 19406

TRANSPORTER : WCS CONT# - 05-86134

ID NOTES: ID# 557

☐ R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 68880 lb

LOOP ID 689

IN-DATE 8-22-05 TIME 9:10

OUT-DATE 8-22-05 TIME 10:08

SCHED.DATE _____ TIME _____

DESTINATION: ☐ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 689

68880 lb GROSS

34820 lb TARE

34060 lb NET

INITIALS: WEIGH-IN DA WEIGH OUT DAM

COMMENTS: 05-86134

ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Trx. 3128

6794

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515 | Manifest Document No. 05453 | 2. Page 1 of 1 | Information in the shaded area is not required by Federal law

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505) 665-6158

A. State Manifest Document Number: 3704762

B. State Generator's ID: 99935 P0035

5. Transporter 1 Company Name: MP Environmental Services

6. US EPA ID Number: CAT000629247

C. State Transporter's ID: 41078

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone: 602-278-6233

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

G. State Facility's ID: 50358

H. Facility's Phone: 505-394-4300

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CM	18,318.18 ~~9072~~ 16,436.36	K	OUTS 3941
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
11a. C05180802 ta-03wcs09

K. Handling Codes for Wastes Listed Above

WP-019406 OSD: 8-18-05

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Paul N. Nunley | Signature | Month Day Year: 08 17 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JAMES DROZD | Signature | Date: Month Day Year 08 22 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space OK to use WCS weight per Victor Spade 08-23-05 WN

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: JessaLynne Wells | Signature | Date: Month Day Year 08 23 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Tm. 3143

6798

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMO890010515 | Manifest Document No. 05454 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545
4. Generator's Phone (505) 665-6158

A. State Manifest Document Number: 3704764
B. State Generator's ID: 99935 DO035

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: CAT000624247
C. State Transporter's ID: 41078
D. Transporter's Phone: 602-278-6233

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714
10. US EPA ID Number: TXD988088464
G. State Facility's ID: 50358
H. Facility's Phone: 505-394-4300

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CM	~~18,318.18~~ ~~5072~~ 14,709.09	K	8-93-05 OUTS 3941
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
11a. C05180803 ta-03wcs10
WP-019406 OSD: 8-18-05

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Paul N. Neeley | Signature | Month Day Year: 08 17 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: STONY AVANTS | Signature | Date: Month Day Year: 08 22 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space OK to use WCS weights per Victor Slade 08-23-05 NM

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jessalynne Wells | Signature | Date: Month Day Year: 08 23 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink - TSD Facility Yellow-Transporter Green-Generator's first copy

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

3126

#6801

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515
Manifest Document No. 05455
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

[illegible]

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: CAT000624247

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	
	a. PCB WASTE	1	CM	~~18318.18~~ ~~9072~~ 16,018.18	K	[illegible]
	b.					
	c.					
	d.					

[illegible]

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Paul N. Newby | Signature: [signature] | Month Day Year: 08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MS Desotell | Signature: [signature] | Date Month Day Year: 8 23 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date Month Day Year

19. Discrepancy Indication Space: Changes to manifest OK per Victor Harde 08-24-05 WN

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jessalynne Wells | Signature: [signature] | Date Month Day Year: 08 24 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

05-0021 05-X6302

WASTE CONTROL SPECIALISTS, LL
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704763

GENERATOR: LOS ALAMOS WP- 19406

TRANSPORTER: MPE CONT# - 05-86299

ID NOTES: ID# 512

X R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 70620 lb

LOOP ID 716

IN-DATE 8-24-05 TIME 8:39

OUT-DATE 8-24-05 TIME 9:30

SCHED.DATE _____ TIME _____

DESTINATION: X DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 716

70620 lb GROSS

35380 lb TARE

35240 lb NET

INITIALS: WEIGH-IN [signature] WEIGH OUT [signature]

COMMENTS: _____

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

#6800

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515 | Manifest Document No. 05456 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505) 665-6158

5. Transporter 1 Company Name: MP Environmental Service | 6. US EPA ID Number: K A T 0 0 0 6 2 4 2 4 7

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD 9 8 8 0 8 8 4 6 4

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	18318.18 ~~3072~~	K
	b.				
	c.				
	d.				

Additional Descriptions for Materials Listed Above

Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. RHGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Paul N. Neeley | Signature | Month Day Year: 08 22 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL POLAND | Signature | Date: Month Day Year 08 22 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jessalyne Wells | Signature | Date: Month Day Year 08 24 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

05-

WASTE CONTROL SPECIALISTS, LL
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704765

GENERATOR : LOS ALAMOS WP- 19406

TRANSPORTER : MPE CONT# - 05-86298

ID NOTES: ID# 564

X R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 75840 lb
LOOP ID 715

IN-DATE 8-24-05 TIME 8:34

OUT-DATE 8-24-05 TIME 9:28

SCHED.DATE _____ TIME _____

DESTINATION: X DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 715

75840 lb GROSS
35320 lb TARE
40520 lb NET

INITIALS: WEIGH-IN [illegible] WEIGH OUT [illegible]

COMMENTS: _____

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Tm 3128

#6804

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	NM0890010515
Manifest Document No.	05457
2. Page 1 of	1
Information in the shaded areas is not required by Federal law.	
A. State Manifest Document Number	[illegible]

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: KAT000624247

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	18318.18	K
	b.				
	c.				
	d.				

J. Additional Descriptions for Materials Listed Above [illegible]

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul W. [signature]	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
JAMES DROZDZ	[signature]	08 23 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	Jessalynne Wells	08 24 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704766

GENERATOR : LOS ALAMOS WP- 19406

TRANSPORTER : MPE CONT#- 05-86302

ID NOTES: 3128 ID# 533

X R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 75620 lb
LOOP ID 717

IN-DATE 8-24-05 TIME 8:40

OUT-DATE 8-24-05 TIME 9:39

SCHED.DATE _____ TIME _____

DESTINATION: X DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 717

75620 lb GROSS
34780 lb TARE
40840 lb NET

INITIALS: WEIGH-IN [signature] WEIGH OUT [signature]

COMMENTS: _____

ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Tra 3143

#681

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515 | Manifest Document No. 05458 | 2. Page 1 of 1 | Information in the shaded area is not required by Federal law

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505) 665-6158

5. Transporter 1 Company Name: MP Environmental Services | 6. US EPA ID Number: TXD000624247

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	~~19318.18~~ ~~9072~~ 15,236.36	K
	b.				
	c.				
	d.				

GENERATOR

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Paul N. Neeley | Signature | Month Day Year: 08 22 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: STONY AVANTS | Signature | Date: Month Day Year 08 23 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space: Changes to manifest OK per Victor Saide 08-24-05 WN

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jessalynne Wells | Signature | Date: Month Day Year 08 24 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704768

GENERATOR: LOS ALAMOS WP- 19406

TRANSPORTER: MPE CONT#- 05-86303

ID NOTES: ID# 557

X R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 68700 lb

LOOP ID 718

IN-DATE 8-24-05 TIME 8:41

OUT-DATE 8-24-05 TIME 9:50

SCHED.DATE _____ TIME _____

DESTINATION: X LF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 718

68700 lb GROSS

35180 lb TARE

33520 lb NET

INITIALS: WEIGH-IN [initials] WEIGH OUT [initials]

COMMENTS: _____

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Tab 518
Tab 3186
#6834

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515
Manifest Document No. 05459
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545
4. Generator's Phone (505 665-6158

A. State Manifest Document Number 3704769
B. State Generator's ID D[illegible]89
C. State Transporter's ID 41078
D. Transporter's Phone (877) 800 5111
E. State Transporter's ID [illegible]
F. Transporter's Phone [illegible]
G. State Facility's ID [illegible] 50352
H. Facility's Phone [illegible]

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: KAT000624247
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714
10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CM	18318.18 ~~9072~~	K	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above [illegible]
WR-019406 DSP 8/13/05
K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul N. Newby	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
M. Desotell	[signature]	8 24 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	[signature]	08 25 05

GENERATOR / TRANSPORTER / FACILITY

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704769

GENERATOR : LANL WP- 19406

TRANSPORTER : MPE CONT# - 05-86407

ID NOTES: 326 ID# 512

☐ R.OFF ☑ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 73640 lb

LOOP ID 760

IN-DATE 8-25-05 TIME 8:45

OUT-DATE 8-25-05 TIME 9:39

SCHED.DATE _____ TIME _____

DESTINATION: ☑ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 760

73640 lb GROSS

35420 lb TARE

38220 lb NET

INITIALS: WEIGH-IN _____ WEIGH OUT _____

COMMENTS: _____

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

#6834

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NM0890010515	Manifest Document No. 05460	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

A. State Manifest Document Number 3704770

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: CAT000624247

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	~~13,318.18~~ ~~9072~~ 15,754.54	K
	b.				
	c.				
	d.				

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul N. Newberry	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
PAUL POLAND	Paul Poland	08 24 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space: OK to use WCS weight per Victor Garde 08-25-05 WW

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	Jessalynne Wells	08 25 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

/ASTE CONTROL SPECIALISTS, LLC
ANDREWS, TEXAS (505) 394-4300

\NIFEST#(S) 3704770

:NERATOR : LANL
'ANSPORTER : MPE
NOTES:

WP- 19406
CONT#- 05-86405
ID# 564

R.OFF ☑ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 69000 lb
LOOP ID 758

DATE 8-25-05 TIME 8:42
T-DATE 8-25-05 TIME 9:32
HED.DATE _____ TIME _____

STINATION: ☑ DLF ☐ BSA ☐ CSA ☐ DROP

V. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____
LOOP ID 758

69000 lb GROSS
34340 lb TARE
34660 lb NET

'IALS: WEIGH-IN _____ WEIGH OUT _____

VIMENTS: _____

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Ow Trk Tra

#6835

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NM0890010515
Manifest Document No.: 05461
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

A. State Manifest Document Number: 3704771
B. State Generator's ID: D0635

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: CAT000624247
C. State Transporter's ID: 216678
D. Transporter's Phone: (800) 500-5111

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464
G. State Facility's ID
H. Facility's Phone

11A. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CM	18,318.18 ~~4072~~	K	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
RP-018406 DSD 8/18/05

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul N. Newby	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
JAMES DROZDZ	[signature]	08 24 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	Jessalynne Wells	08 25 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704771

GENERATOR : LANL WP- 19406

TRANSPORTER : MPE CONT#- 05-86406

ID NOTES: 3128 ID# 533

☐ R.OFF ☑ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 71080 lb
LOOP ID 759

IN-DATE 8-25-05 TIME 8:44

OUT-DATE 8-25-05 TIME 9:44

SCHED.DATE _____ TIME _____

DESTINATION: ☑ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 759

71080 lb GROSS
34780 lb TARE
36300 lb NET

INITIALS: WEIGH-IN [signature] WEIGH OUT DA

COMMENTS: _____

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Tra. 3143

#6837

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NM0890010515
Manifest Document No.: 05462
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505) 665-6158

A. State Manifest Document Number 3704772

B. State Gen. ID [illegible]

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: KAT000624247

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	~~18318~~ 16,127.27	K
	b.				
	c.				
	d.				

J. Additional Descriptions for Materials Listed Above [illegible]

K. Handling Codes for Wastes Listed Above [illegible]

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
[handwritten name]	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
STONY AVANTS	Stony Avants	08 24 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space: Changes to manifest OK per Victor [illegible] 08-26-05 WW

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Jesscelynne Wells	Jesscelynne Wells	08 26 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704772

GENERATOR: LOS ALAMOS WP- 19406

TRANSPORTER: MPE CONT#- 05-86408

ID NOTES: ID# 557

☐ R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 70800 lb
LOOP ID 764

IN-DATE 8-25-05 TIME 12:19

OUT-DATE 8-25-05 TIME 12:49

SCHED.DATE _____ TIME _____

DESTINATION: ☐ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 764

70800 lb GROSS
35320 lb TARE
35480 lb NET

INITIALS: WEIGH-IN DA WEIGH OUT DA

COMMENTS: _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Tra 3126

#6864

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	NM0890010515
Manifest Document No.	05463
2. Page 1 of	1
Information in the shaded areas is not required by Federal law.	
A. State Manifest Document Number	3704773
B. State Generator's ID	D0035
C. State Transporter's ID	[illegible]
D. Transporter's Phone	[illegible]
E. State Transporter's ID	
F. Transporter's Phone	
G. State Facility's ID	50358
H. Facility's Phone	[illegible]

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505) 665-6158

5. Transporter 1 Company Name MP Environmental Services
6. US EPA ID Number KAT000624247

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CK	18318.18 ~~9072~~	K	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
[illegible]
WR-019406 [illegible] 8/18/05

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

HMTF: 0

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul N. Nuding	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
M S Desotell	[signature]	8 23 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	[signature]	08 26 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704773

GENERATOR: LOS ALAMOS WP- 19406

TRANSPORTER: MPE CONT#- 0-86409

ID NOTES: ID# 512

☒ R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 77460 lb
LOOP ID 766

IN-DATE 8-26-05 TIME 8:39

OUT-DATE 8-26-05 TIME 9:27

SCHED.DATE _____ TIME _____

DESTINATION: ☒ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 766

77460 lb GROSS
35320 lb TARE
42140 lb NET

INITIALS: WEIGH-IN [signature] WEIGH OUT [signature]

COMMENTS: _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

#6862

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515	Manifest Document No. 05464	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

A. State Manifest Document Number 3704774
B. State Generator's ID [illegible] 10639 [illegible]

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: CAT000624247

C. State Transporter's ID [illegible]
D. Transporter's Phone (877) 500-[illegible]

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID [illegible]
F. Transporter's Phone [illegible]

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

G. State Facility's ID [illegible] 50[illegible]
H. Facility's Phone [illegible]

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CM	~~18318.18~~ ~~9072~~ 16,081.81	K	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above [illegible]
WR-019406 OSD 8/18/05

K. Handling Codes for Wastes Listed Above [illegible]

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Del N. Newberry	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
PAUL POLAND	Paul Poland	08 25 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space: Changes to manifest OK per Victor Garde 08-29-05 WR

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	Jessalynne Wells	08 26 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

05-86410

WASTE CONTROL SPECIALISTS, LLC
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704774

GENERATOR : LOS ALAMOS WP- 19406

TRANSPORTER : MPE CONT# - 05-86410

ID NOTES: ID# 564

☒ R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 69980 lb
LOOP ID 765

IN-DATE 8-26-05 TIME 8:34

OUT-DATE 8-26-05 TIME 9:22

SCHED.DATE _____ TIME _____

DESTINATION: ☒ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 765

69980 lb GROSS
34600 lb TARE
35380 lb NET

INITIALS: WEIGH-IN [initials] WEIGH OUT [initials]

COMMENTS: _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Tra 3128

#6863

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NM0890010515
Manifest Document No.: 05465
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 3704775

B. State Generator's ID: [illegible] D0839

C. State Transporter's ID: [illegible]

D. Transporter's Phone: (877) [illegible]

E. State Transporter's ID: [illegible]

F. Transporter's Phone: [illegible]

G. State Facility's ID: [illegible]

H. Facility's Phone: [illegible]

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505) 665-6158

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: CAT000624247

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CM	15318.18 ~~9072~~	K	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: [illegible]
WR-019406 TSD 8/18/05

K. Handling Codes for Wastes Listed Above: [illegible]

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

HMTF1.0

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul Neary	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
JAMES DROZD	[signature]	08 25 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	[signature]	08 26 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704775

GENERATOR: LOS ALAMOS WP- 19406

TRANSPORTER: NPE CONT# - 05-86411

ID NOTES: ID# 533

X R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 73700 lb

LOOP ID 767

IN-DATE 8-26-05 TIME 8:40

OUT-DATE 8-26-05 TIME 9:37

SCHED.DATE _____ TIME _____

DESTINATION: X DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 767

73700 lb GROSS

34720 lb TARE

38980 lb NET

INITIALS: WEIGH-IN DM WEIGH OUT DM

COMMENTS: _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

THE STATE OF TEXAS

MWO TRA [illegible]

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039 #6867

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NM0890010515	Manifest Document No. 05466	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505) 665-6158

A. State Manifest Document Number 3704776
B. State Generator's ID [illegible]

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: KAT000624247

C. State Transporter's ID [illegible]
D. Transporter's Phone [illegible]

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID [illegible]
F. Transporter's Phone [illegible]

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

G. State Facility's ID [illegible]
H. Facility's Phone [illegible]

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CM	18318.18 ~~9072~~	K	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above [illegible]
WF-G19406 OSR 3/18/05

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Paul N. Newby | Signature: [signature] | Month Day Year: 08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: M S DeSotell | Signature: [signature] | Date Month Day Year: 8 26 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Date Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jessalyne Wells | Signature: [signature] | Date Month Day Year: 08 29 05

GENERATOR / TRANSPORTER / FACILITY

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (806) 394-4300

MANIFEST#(S) 3704776

GENERATOR : LANL WP- 19406

TRANSPORTER : MPE CONT#- 05-86428

ID NOTES: ID# 512

X R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 71760 lb

LOOP ID 773

IN-DATE 8-29-05 TIME 8:46

OUT-DATE 8-29-05 TIME 9:28

SCHED.DATE _____ TIME _____

DESTINATION: X DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 773

71760 lb GROSS

35340 lb TARE

36420 lb NET

INITIALS: WEIGH-IN DM WEIGH OUT DA

COMMENTS: _____

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039. #6866

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NM0890010515
Manifest Document No.: 05467
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 3704778

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505) 665-6158

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: CAT000624247

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CK	~~18318.16~~ ~~8072~~ 16,109.09	K
	b.				
	c.				
	d.				

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Paul N. [illegible] | Signature: [signature] | Month Day Year: 08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jim Drozdz | Signature: [signature] | Date Month Day Year: 08 26 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Date Month Day Year:

19. Discrepancy Indication Space: Changes to manifest OK per Victor [illegible] 08-29-05 WN

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jessalyne Wells | Signature: [signature] | Date Month Day Year: 08 29 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704778

GENERATOR: LANL WP- 19406

TRANSPORTER: MPE CONT#- 05-86427

ID NOTES: ID# 533

☒ R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 70180 lb
LOOP ID 774

IN-DATE 8-29-05 TIME 8:47

OUT-DATE 8-29-05 TIME 9:40

SCHED.DATE _____ TIME _____

DESTINATION: ☒ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 774

70180 lb GROSS
34740 lb TARE
35440 lb NET

INITIALS: WEIGH-IN [signature] WEIGH OUT [signature]

COMMENTS: _____

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

#6865

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NM0890010515
Manifest Document No.: 05468
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 3704779

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: KAS000624247

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	18,318.18 ~~9072~~	K
	b.				
	c.				
	d.				

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above

WP-01940 FSD 8/18/05

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul N. Nandy	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
PAUL POLAND	Paul Poland	08 26 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	Jessalynne Wells	08 29 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

(505) 394-4300

MANIFEST#(S) 3704779

GENERATOR : LANL

WP- ~~19406~~ 5100 6-29-2

TRANSPORTER : MPE

CONT#- 05-26429

ID NOTES:

ID# 564

X R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 72400 lb

LOOP ID 772

IN-DATE 8-29-05 TIME 8:41

OUT-DATE 8-29-05 TIME 9:20

SCHED.DATE _____ TIME _____

DESTINATION: X DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 772

72400 lb GROSS

35340 lb TARE

37060 lb NET

INITIALS: WEIGH-IN [illegible] WEIGH OUT DA

COMMENTS: _____

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

1m 3/2 1m 3/26

#6869

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NM0890010515
Manifest Document No.: 05469
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505) 665-6158

A. State Manifest Document Number [illegible]
B. State Generator's ID [illegible]

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: CAT000624247

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
	a. PCB WASTE	1	CM	~~18,318.18~~ ~~9072~~ 13,909.09	K
	b.				
	c.				
	d.				

J. Additional Descriptions for Materials Listed Above [illegible]
K. Handling Codes for Wastes Listed Above [illegible]

[illegible] DSP 8/18/05

15. Special Handling Instructions and Additional Information

'EMERGENCY PHONE NO: (505) 667-6211'
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Paul N. Newby | Signature: [signature] | Month Day Year: 08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: M J Dessell | Signature: [signature] | Date Month Day Year: 8 23 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Date Month Day Year:

19. Discrepancy Indication Space: Changes to manifest OK per Victor Garde 08-30-05 NN

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JessaLynne Wells | Signature: [signature] | Date Month Day Year: 08 30 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 004780

GENERATOR : LANL WP- 19406

TRANSPORTER : MPE CONT# - 05-86476

ID NOTES: ID# 512

☐ R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 65940 lb
LOOP ID 779

IN-DATE 8-30-05 TIME 8:32

OUT-DATE 8-30-05 TIME 9:07

SCHED.DATE _____ TIME _____

DESTINATION: ☐ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 779

65940 lb GROSS
35340 lb TARE
30600 lb NET

INITIALS: WEIGH-IN DA WEIGH OUT DA

COMMENTS: 05-86476

ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

#6870

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515
Manifest Document No. 05470
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

A. State Manifest Document Number 3704781

B. State Generator's ID

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: KAT000624247

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

G. State Facility's ID 50858

H. Facility's Phone

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CM	~~12,318.18~~ ~~9072~~ 16,518.18	K	
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above

WR-0940 OSD 3/18/05

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul McNurley	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
JAMES DROZDZ	[signature]	08 29 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space: Changes to manifest OK per Victor Abarde 08-30-05 WW

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	[signature]	08 30 05

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704791

GENERATOR : LANL WP- 19406

TRANSPORTER : MPE CONT# - 05-86475

ID NOTES: ID# 533

☐ R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 71040 lb
LOOP ID 780

IN-DATE 8-30-05 TIME 8:33

OUT-DATE 8-30-05 TIME 9:16

SCHED.DATE _____ TIME _____

DESTINATION: ☐ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 780

71040 lb GROSS
34700 lb TARE
36340 lb NET

INITIALS: WEIGH-IN DA WEIGH OUT DA

COMMENTS: 05-86475

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Tra

#6868

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515
Manifest Document No. 05471
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

A. State Manifest Document Number 3704782
B. State Generator's ID D0038

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: KAT000624247
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464
G. State Facility's ID
H. Facility's Phone

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CM	18318.18 (9072)	k	
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
WP-019466 CSD 8/18/05

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: [signature] | Signature: [signature] | Month Day Year: 08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Paul Poland | Signature: Paul Poland | Date Month Day Year: 08 22 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jessalyne Wells | Signature: Jessalyne Wells | Date Month Day Year: 08 25 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704782

GENERATOR: LANL WP- 19406

TRANSPORTER: MPE CONT#- 05-86477

ID NOTES: ID# 564

X R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 78080 lb

LOOP ID 778

IN-DATE 8-30-05 TIME 8:30

OUT-DATE 8-30-05 TIME 9:02

SCHED.DATE _____ TIME _____

DESTINATION: X DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 778

78080 lb GROSS

35280 lb TARE

42800 lb NET

INITIALS: WEIGH-IN DA WEIGH OUT MH

COMMENTS: _____

05-86477

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

#6891

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515 — Manifest Document No. 05472

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505 665-6158

A. State Manifest Document Number 3704783

B. State Generator's ID

5. Transporter 1 Company Name: MP Environmental Services

6. US EPA ID Number: CAT000624247

C. State Transporter's ID 11078

D. Transporter's Phone (877) 300-5111

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

G. State Facility's ID

H. Facility's Phone

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CM	~~18,318.18~~ ~~9072~~ 22,400.00	K	
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
11a-03(12)

WP-019406 CSD 8/18/05

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

'EMERGENCY PHONE NO: (505) 667-6211'
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul N. Nudy	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
PAUL POLAND	[signature]	08 30 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month Day Year
Jessalynne Wells	[signature]	08 31 05

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

05-0708

WASTE CONTROL SPECIALISTS, LLC
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704783

GENERATOR : LANL WP- 19406

TRANSPORTER : *FE CONT# - 05-86486

ID NOTES: ID# 564

☒ R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL

INBOUND 84000 lb

LOOP ID 781

IN-DATE 8-31-05 TIME 8:43

OUT-DATE 8-31-05 TIME 9:20

SCHED.DATE _____ TIME _____

DESTINATION: ☒ DLF ☐ BSA ☐ CSA ☐ DROP

☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____

LOOP ID 781

84000 lb GROSS

34720 lb TARE

49280 lb NET

INITIALS: WEIGH-IN DGH WEIGH OUT DGH

COMMENTS: _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Tx 3126

#6892

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NM0890010515
Manifest Document No.: 05473
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
U of CA LANL for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

4. Generator's Phone (505) 665-6158

A. State Manifest Document Number: 3704784

B. State Generator's ID: [illegible]

5. Transporter 1 Company Name: MP Environmental Services
6. US EPA ID Number: CAT000624247

C. State Transporter's ID: 41078

D. Transporter's Phone: (877) [illegible]

7. Transporter 2 Company Name:
8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
WASTE CONTROL SPECIALISTS
9998 HIGHWAY 176 WEST
ANDREWS COUNTY, TX 79714

10. US EPA ID Number: TXD988088464

G. State Facility's ID: 50358

H. Facility's Phone: [illegible]

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. PCB WASTE	1	CM	18,318.18 ~~9072~~	K	[illegible]
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
[illegible]
WF019406 OD 8/13/05

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE NO: (505) 667-6211
11a. ERGNO:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Paul N. Newby	[signature]	08 22 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
MJ Desotell	[signature]	8 22 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Jessalynne Wells	[signature]	08 31 05

White - original   Pink TSD Facility   Yellow Transporter   Green Generator's first copy

05-86487

WASTE CONTROL SPECIALISTS, LLC
ANDREWS, TEXAS (505) 394-4300

MANIFEST#(S) 3704784

GENERATOR : LANL WP- 19406
TRANSPORTER : MPE CONT# - 05-86487
ID NOTES: ID# 512

☒ R.OFF ☐ DT ☐ VAN ☐ FLAT ☐ RAIL
INBOUND 77340 lb
LOOP ID 782

IN-DATE 8-31-05 TIME 8:45
OUT-DATE 8-31-05 TIME 9:25
SCHED.DATE _____ TIME _____

DESTINATION: ☒ DLF ☐ BSA ☐ CSA ☐ DROP
☐ W. PAN 1 ☐ E.PAN 2 ☐ OUT ☐ _____
LOOP ID 782
77340 lb GROSS
34760 lb TARE
42580 lb NET

INITIALS: WEIGH-IN [signature] WEIGH OUT [signature]
COMMENTS: _____

Attachment F-3

2006 Waste Manifests for SWMU 61-002

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 62754 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NM0890010515	1	(505)667-6211	000363789 JJK

GENERATOR

5. Generator's Name and Mailing Address: LANS, LLC for US DOE
P.O. Box 1663, MS J595
Los Alamos, NM 87545
Generator's Phone: (505) 665-6158

Generator's Site Address (if different than mailing address):
LANS, LLC for US DOE
Mesita Del Buey Rd. TA-54
Los Alamos, NM 87545

6. Transporter 1 Company Name: CLEAN HARBORS ENVIRONMENTAL SERVICES, INC
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: CLEAN HARBORS ARAGONITE, LLC
11600 NORTH APTUS ROAD
ARAGONITE, UT 84029
Facility's Phone: (801) 323-8000
U.S. EPA ID Number: UTD981552177

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. HAZARDOUS WASTE, SOLID, N.O.S., (METHYL ETHYL KETONE, TOLUENE), 9, NA3077, III	1	CM	15423	K	F002	F004	F005
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
LINE 1 ERG#: 171;
HMTF #: 07040407
MANIFEST: 62754

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Paul N. Neuhy | Signature | Month: 04 | Day: 04 | Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVE MARTINEZ | Signature | Month: 04 | Day: 05 | Year: 07

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NMO890010515
2. Page 1 of: 1
3. Emergency Response Phone: (505)667-6211 62745
4. Manifest Tracking Number: 000363785 JJK

GENERATOR

5. Generator's Name and Mailing Address: LANS, LLC for US DOE
P.O. Box 1663, MS J595
Los Alamos, NM 87545
Generator's Phone: 505) 665-6158

Generator's Site Address (if different than mailing address):
LANS, LLC for US DOE
Mesita Del Buey Rd. TA-54 Area G
Los Alamos, NM 87545

6. Transporter 1 Company Name: PORTAGE ENVTRONMENTAL, INC
U.S. EPA ID Number: NMPOCO010942

7. Transporter 2 Company Name: CLEAN HARBORS ENVIRONMENTAL SERVICES, INC
U.S. EPA ID Number: NADO39322250

8. Designated Facility Name and Site Address: CLEAN HARBORS ARAGONITE, LLC
11600 NORTH APTUS ROAD
ARAGONITE, UT 84029
Facility's Phone: (801) 323-8000
U.S. EPA ID Number: UTD981552177

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. HAZARDOUS WASTE, SOLID, N.O.S., (METHYL ETHYL KETONE, TOLUENE), 9, NA3077, III	1	DM	227	K	F002	F004	F005
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
LINE 1 ERG#: 171; CH236200
Job # D914132194
HMTF #: 07032901 MANIFEST: 62745

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Paul N. Newberry
Signature:
Month Day Year: 03 29 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mike Pope
Signature: Michael L. Pope
Month Day Year: 04 01 07

Transporter 2 Printed/Typed Name: Nicky J. Alaniz
Signature:
Month Day Year: 04 02 07

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Attachment F-4

Waste Profile Forms and Consolidated
Remote Waste Storage Disposal Request for SWMU 61-002

Los Alamos NATIONAL LABORATORY

Waste Profile Form

Contact (*if other than given below*)	For rapid processing, complete all sections in black or blue ink and mail to: FWO-SWO at **MS J595.** For assistance with completing this form, call FWO-SWO at **5-4000.**	Reference Number (*For FWO-SWO use only*)

Generator's Z Number	Waste Generator's Name (*print*)	WMC's Z Number	WMC's Name (*print*)
096379	Roy Bohn	168688	Mark Shepard

Generator's Telephone	Generator's Mail Stop	Waste Generating Group	Waste Stream Technical Area	Building	Room
665-5138	M992	ENV-ECR	61	NA	Outside

Waste Accumulation (*Check only one*)
- ☐ Satellite Accumulation Area — Site no: _____
- ☐ Less-than-90-days Storage Area — Site no: _____
- ☐ TSDF — Site no: _____
- ☐ Universal Waste Storage Area — Site no: _____
- ☒ None of the Above

ER Use Only
- ☒ ER Site — PRS #: SWMU 61-002

Method of Characterization (*Check as many as apply*)
- ☒ Analysis/Documents Attached
- ☒ Chemical/Physical Analysis — Sample #: see Section 3
- ☐ Radiological Analysis — Sample #: _____
- ☒ PCB Analysis — Sample #: see Section 3
- ☒ Acceptable Knowledge Documentation — Documentation #: see sectio
- ☐ MSDS

Section 1 - Chemical and Physical Information

Waste Type (*Check only one*)
- ☐ Unused/Unspent Chemical (Complete all sections as appropriate.)
- ☒ Process Waste/Spent Chemical/ other (Complete all sections.)
- ☐ Green is Clean Waste (Complete all sections as appropriate.)

Waste Classes

Radiological Information

Was Waste Generated in a RCA?
- ☐ Yes ☒ No
- ☒ Non-radioactive

Radioactive
- ☐ Low-Level
- ☐ Transuranic

Wastewater Information
- ☐ Wastewater for SWWS (TA-46) **(Complete Attachment 1)**
- ☐ Wastewater for RLWTF (TA-50/TA-21) **(Complete Attachment 2)**
- ☐ Wastewater for TA-16 (HE)

Classification Information
- ☒ Unclassified
- ☐ Classified/Sensitive

Waste Category (*Check as many as apply*)
- ☒ Inorganic
- ☒ Organic

Volatile Organics ☒ < 500 ppm ☐ ≥ 500 ppm
- ☐ Solvent *
- ☐ Degreaser *
- ☐ Dioxin
- ☐ Electroplating
- ☐ Treated Hazardous waste residue
- ☐ Explosive process
- ☐ Infectious/Medical
- ☐ Biological
- ☐ Beryllium
- ☐ Empty Container (See instructions)
- ☐ Battery (*See instructions*)

Asbestos ☐ friable ☐ non-friable

PCB Source Concentration
- ☒ PCB < 50 ppm
- ☐ PCB ≥ 50 - < 500 ppm
- ☐ PCB ≥ 500 ppm
- ☐ Other (*Describe below*)

* Concentrations 10% or greater before use.

Waste Source (*Check only one*)

Routine Waste
- ☐ Decon
- ☐ Materials Processing/Production
- ☐ Research/Development/Testing
- ☐ Scheduled Maintenance
- ☐ Housekeeping - Routine
- ☐ Spill Cleanup - Routine
- ☐ Sampling - Routine Monitoring
- ☐ Other (*Describe below*)

Non-routine Waste
- ☐ Abatement
- ☐ Construction/Upgrades
- ☐ Demolition
- ☐ Decon/Decom
- ☐ Investigative Derived
- ☐ Orphan/Legacy
- ☒ Remediation/Restoration
- ☐ Repacking (*Secondary*)
- ☐ Unscheduled Maintenance
- ☐ Housekeeping - Non-routine
- ☐ Spill Cleanup - Non-routine
- ☐ UST - Non-petroleum
- ☐ UST - Petroleum
- ☐ Other (*Describe below*)

Waste Matrix (*Check only one*)

Gas
- ☐ ≤ 1.5 Atmospheres pressure
- ☐ > 1.5 Atmospheres pressure
- ☐ Liquefied compressed gas

Liquid
- ☐ Aqueous
- ☐ Non-aqueous
- ☐ Suspended Solids/Aqueous
- ☐ Suspended Solids/Non-aqueous

Solid
- ☐ Powder/Ash
- ☒ Solid
- ☐ Sludge
- ☐ Absorbed liquid

Matrix Type (*Check only one*)
- ☐ Homogeneous
- ☒ Heterogeneous (*Describe below*)

Waste/Process Description (*Chemical formulas may be used in this field*)

Soil with minor rock and asphalt. This waste is generated from excavation and removal of soil from an inactive material and equipment storage area at SWMU 61-002. The soil excavation is part of pre-construction activities associated with the Security Perimeter Road Project.

Section 2 – Characteristics

Ignitability (*Check only one*) (°F)	(°C)	**Corrosivity** (*Check only one*) (pH)	**Reactivity** (*Check as many as apply*)	**Boiling Point** (*Check only one*) (°F)	(°C)
☐ < 73	< 22.8	☐ ≤ 2.0	☐ RCRA Unstable	☐ ≤ 95	≤ 35
☐ 73 - 99	22.8 - 37.2	☐ 2.1 - 4.0	☐ Water Reactive	☐ > 95	> 35
☐ 100 - 139	37.8 - 59.4	☐ 4.1 - 6.0	☐ Cyanide Bearing (> 250 ppm)		
☐ 140 -200	60.0 - 99.3	☐ 6.1 - 9.0	☐ Sulfide Bearing (> 500 ppm)	☒ Not applicable	
☐ > 200	> 99.3	☐ 9.1 - 12.4	☐ Pyrophoric		
☐ EPA Ignitable - Non-liquid		☐ ≥ 12.5	☐ Shock Sensitive		
☐ DOT Flammable Gas		☐ Liquid corrosive to steel	☐ Explosive - DOT Div. _____		
☐ DOT Oxidizer		☒ Non-aqueous	☒ Non-reactive		
☒ Not ignitable					

Identify for all contaminants listed.	**Characterization Method**			**Concentration of Contaminants**		
	AK	**TCLP**	**Total**	**None or Non-detect**	**Present Below Regulatory Limit**	**Above Regulatory Limit** Minimum / Maximum (Concentration in ppm only.)
Toxicity Characteristic Metals						
Arsenic	☐	☒	☐	☒	☐ < 5.0 ppm	_____ to _____ ppm
Barium	☐	☒	☐	☐	☒ < 100.0 ppm	_____ to _____ ppm
Cadmium	☐	☒	☐	☐	☒ < 1.0 ppm	_____ to _____ ppm
Chromium (Total)	☐	☒	☐	☒	☐ < 5.0 ppm	_____ to _____ ppm
Lead	☐	☒	☐	☐	☒ < 5.0 ppm	_____ to _____ ppm
Mercury	☐	☒	☐	☒	☐ < 0.2 ppm	_____ to _____ ppm
Selenium	☐	☒	☐	☒	☐ < 1.0 ppm	_____ to _____ ppm
Silver	☐	☒	☐	☒	☐ < 5.0 ppm	_____ to _____ ppm
Toxicity Characteristic Organics						
Benzene	☐	☐	☒	☒	☐ < 0.5 ppm	_____ to _____ ppm
Carbon tetrachloride	☐	☐	☒	☒	☐ < 0.5 ppm	_____ to _____ ppm
Chlordane	☒	☐	☐	☒	☐ < 0.03 ppm	_____ to _____ ppm
Chlorobenzene	☐	☐	☒	☒	☐ < 100.0 ppm	_____ to _____ ppm
Chloroform	☐	☐	☒	☐	☒ < 6.0 ppm	_____ to _____ ppm
o - cresol	☐	☐	☒	☒	☐ < 200.0 ppm	_____ to _____ ppm
m - cresol	☐	☐	☒	☒	☐ < 200.0 ppm	_____ to _____ ppm
p - cresol	☐	☐	☒	☒	☐ < 200.0 ppm	_____ to _____ ppm
Cresol - mixed	☐	☐	☒	☒	☐ < 200.0 ppm	_____ to _____ ppm
2,4-D	☒	☐	☐	☒	☐ < 10.0 ppm	_____ to _____ ppm
1,4-Dichlorobenzene	☐	☐	☒	☒	☐ < 7.5 ppm	_____ to _____ ppm
1,2-Dichloroethane	☐	☐	☒	☒	☐ < 0.5 ppm	_____ to _____ ppm
1,1-Dichloroethylene	☐	☐	☒	☒	☐ < 0.7 ppm	_____ to _____ ppm
2,4-Dinitrotoluene	☐	☐	☒	☒	☐ < 0.13 ppm	_____ to _____ ppm
Endrin	☒	☐	☐	☐	☐ < 0.02 ppm	_____ to _____ ppm
Heptachlor (& its epoxide)	☒	☐	☐	☒	☐ < 0.008 ppm	_____ to _____ ppm
Hexachlorobenzene	☐	☐	☒	☒	☐ < 0.13 ppm	_____ to _____ ppm
Hexachlorobutadiene	☐	☐	☒	☒	☐ < 0.5 ppm	_____ to _____ ppm
Hexachloroethane	☐	☐	☒	☒	☐ < 3.0 ppm	_____ to _____ ppm
Lindane	☒	☐	☐	☒	☐ < 0.4 ppm	_____ to _____ ppm
Methoxychlor	☒	☐	☐	☒	☐ < 10.0 ppm	_____ to _____ ppm
Methyl ethyl ketone	☐	☐	☒	☐	☒ < 200.0 ppm	_____ to _____ ppm
Nitrobenzene	☐	☐	☒	☒	☐ < 2.0 ppm	_____ to _____ ppm
Pentachlorophenol	☐	☐	☒	☒	☐ < 100.0 ppm	_____ to _____ ppm
Pyridine	☐	☐	☒	☒	☐ < 5.0 ppm	_____ to _____ ppm
Tetrachloroethylene	☐	☐	☒	☒	☐ < 0.7 ppm	_____ to _____ ppm
Toxaphene	☒	☐	☐	☒	☐ < 0.5 ppm	_____ to _____ ppm
Trichloroethylene	☐	☐	☒	☒	☐ < 0.5 ppm	_____ to _____ ppm
2,4,5-Trichlorophenol	☐	☐	☒	☐	☐ < 400.0 ppm	_____ to _____ ppm
2,4,6-Trichlorophenol	☐	☐	☒	☒	☐ < 2.0 ppm	_____ to _____ ppm
2,4,5-TP (Silvex)	☒	☐	☐	☒	☐ < 1.0 ppm	_____ to _____ ppm
Vinyl chloride	☐	☐	☒	☒	☐ < 0.2 ppm	_____ to _____ ppm

Section 3 - Additional Constituents

Additional Constituents and Contaminates. Please account for 100% of waste. Ranges should be given within guidelines of LIG 404-00-03 of individual constituents. List all other constituents (including inerts) not identified above and attach any applicable analysis. No chemical formulas allowed in this field. Continue in Section 3 Additional Information as necessary. CAS Numbers are needed for all chemical constituents, for material without a CAS Number enter "No CAS Number." Contact Waste Services at 5-4000 for assistance.

CAS No.	Name of constituent	Minimum		Maximum	
No CAS Number	Soil and Rock	85	to	100	%
No CAS Number	Asphalt	0	to	15	%
No CAS Number	Total Petroleum Hydrocarbons - Diesel Range Organics	0	to	1.2E-02	%
11097-69-1	Arochlor-1254	0	to	2.9E-03	%
11096-82-5	Arochlor-1260	0	to	8.3E-05	%
67-64-1	Acetone	0	to	5.4E-06	%
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0	to	1.5E-07	%
75-09-2	Methylene Chloride	0	to	4.8E-07	%
117-81-7	Bis(2-ethylhexyl)phthalate	0	to	2.0E-05	%
			to		%
			to		%
			to		%
	Total of max. ranges of this section	115			**in %**
	Total of max. ranges from page 2.	NA			**in ppm**

Additional Information (*Use additional sheet if necessary.*)

If additional information is available on the chemical, physical, or radiological character of the waste not covered on this form, provide it below:

The approved Waste Characterization Strategy Form (12/03/04), which is on file at Waste Services, presents historical site information and the characterization approach for this waste stream.

Attached is a summary of the results of in-situ waste characterization sampling at SWMU 61-002. The soil sample ID#s are RE61-05-58761 through 58767, and RE61-05-58945.

All samples were screened in the field by HSR-1 prior to shipping and were found to be at or below background radiation levels.

WASTE GENERATOR CERTIFICATION: Based on my knowledge of the waste and/or chemical/physical analysis, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information including the possibility of fines and imprisonment for knowing violations.

Signature: [signature] Date: 6/24/05

WASTE MANAGEMENT COORDINATOR: I have reviewed this form and to the best of my knowledge, the information is complete and accurate.

Signature: Mark D. Shupard Date: 6/24/05

SWMU 61-002				
Table of Maximum and Minimum Contaminant Concentration Values in Soil Samples				
Based on results from Sample ID #s RE61-05-58761 through 58767 and RE61-05-58945 .				
	Values for Soil Samples			**Applicable Regulatory Criteria**
CONSTITUENT	**MINIMUM**	**MAXIMUM**		
ORGANICS [1] (mg/kg):				
VOCs				
Acetone	ND	0.054		NA
Chloroform	ND	0.0024		NA
1,1,2-trichloro-1,2,2-trifluoroethane	ND	0.0015		NA
Methylene chloride	ND	0.0048		NA
2-Butanone	ND	0.0018		NA
SVOCs				
bis(2-ethylhexyl)phthalate	ND	0.2		NA
PCBs				**40 CFR 761.61(a)(5)(i)(B)(2)(ii) (for bulk remediation waste with PCBs < 50 ppm)**
Arochlor-1254	ND	29		
Arochlor-1260	ND	0.83		
Total Petroleum Hydrocarbons (TPH)				**20 NMAC 9.1, Sect. 708 (< 1,000 ppm TPH; <500 ppm BTEX; and < 10 ppm benzene)**
Gasoline Range Organics (GRO)	ND	120		
Diesel Range Organics (DRO)	ND	ND		
TCLP Metals (mg/L):				**40 CFR 261.24, Table 1**
ARSENIC	ND	ND		5.0
BARIUM	0.381	1.03		100.0
CADMIUM	ND	0.002		1.0
CHROMIUM	ND	ND		5.0
LEAD	ND	0.023		5.0
MERCURY	ND	ND		0.2
SELENIUM	ND	ND		1.0
SILVER	ND	ND		5.0
[1] Organic results are based on a total analysis.				
ND - not detected				
NA - not applicable				

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type: SWMU 61-002; Waste Control Specialists			☐	**< 90 Day Accumulation Area** Start Date:	☐	**Satellite Accumulation Area** Approximate Volume:
TA: 03	Building: Outside	Room: NA	☐	**Universal Waste** Start Date:	☑	**PCB Waste** Start Date: 8/15/05
					☐	**NM Special Waste** (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*	Subcat.*
10011721	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011722	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011723	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011724	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011725	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011726	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011727	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011728	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011729	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011730	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011731	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011732	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011733	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011734	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011735	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume
G-Gallon M-Cubic Meters L-Liters O-Fluid Ounce F-Cubic Feet P-Pint Q-Quart C-Cubic centimeters

Units for Weight
P-Pound O-Ounce K-Kilograms T-Tons G-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name Mark Shepard	**Signature** Mark D. Shepard	**Z Number 168688**	**Date 08/05/05**

FMU6-F373,R.1 (3/04)
DOP-SWO-028, PLAN-SWO-024

Printed on: 08/02/2005

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type: SWMU 61-002, Waste Control Specialists			☐ < 90 Day Accumulation Area Start Date:	☐ Satellite Accumulation Area Approximate Volume:
TA: 03	Building: Outside	Room: NA	☐ Universal Waste Start Date:	☑ PCB Waste Start Date: 8/15/05
				☐ NM Special Waste (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*	Subcat.*
10011736	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011737	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011738	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011739	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011740	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011741	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011742	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011743	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011744	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011745	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011746	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011747	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011748	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011749	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011750	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume	**Units for Weight**
G-Gallon **M**-Cubic Meters **L**-Liters **O**-Fluid Ounce **F**-Cubic Feet **P**-Pint **Q**-Quart **C**-Cubic centimeters	**P**-Pound **O**-Ounce **K**-Kilograms **T**-Tons **G**-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name Mark Shepard	**Signature** Mark D. Shepard	**Z Number 168688**	**Date 08/05/05**

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type: SWMU 61-002, Waste Control Specialists			☐ < 90 Day Accumulation Area Start Date:	☐ Satellite Accumulation Area Approximate Volume:
TA: 03	Building: Outside	Room: NA	☐ Universal Waste Start Date:	☑ PCB Waste Start Date: 8/15/05
				☐ NM Special Waste (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*	Subcat.*
10011751	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011752	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011753	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011754	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011755	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011756	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011757	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011758	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011759	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011760	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011761	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011762	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011763	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011764	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011765	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume
G-Gallon **M**-Cubic Meters **L**-Liters **O**-Fluid Ounce **F**-Cubic Feet **P**-Pint **Q**-Quart **C**-Cubic centimeters

Units for Weight
P-Pound **O**-Ounce **K**-Kilograms **T**-Tons **G**-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name Mark Shepard	Signature Mark D. Shepard	Z Number 168688	Date 08/05/05

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type: SWMU 61-002, Waste Control Specialists			☐	< 90 Day Accumulation Area Start Date:	☐	Satellite Accumulation Area Approximate Volume:
TA: 03	Building: Outside	Room: NA	☐	Universal Waste Start Date:	☑	PCB Waste Start Date: 8/15/05
					☐	NM Special Waste (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*	Subcat.*
10011766	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011767	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011768	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011769	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011770	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011771	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011772	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011773	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011774	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011775	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011776	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011777	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011778	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011779	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011780	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume	**Units for Weight**
G-Gallon **M**-Cubic Meters **L**-Liters **O**-Fluid Ounce **F**-Cubic Feet **P**-Pint **Q**-Quart **C**-Cubic centimeters	**P**-Pound **O**-Ounce **K**-Kilograms **T**-Tons **G**-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name Mark Shepard	**Signature** Mark D. Shepard	**Z Number 168688**	**Date 08/05/05**

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type: SWMU 61-002, Waste Control Specialists			☐	< 90 Day Accumulation Area Start Date:	☐	Satellite Accumulation Area Approximate Volume:
TA: 03	Building: Outside	Room: NA	☐	Universal Waste Start Date:	☑	PCB Waste Start Date: 8/15/05
					☐	NM Special Waste (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*	Subcat.*
10011781	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011782	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011783	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011784	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011785	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011786	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011787	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011788	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011789	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011790	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011791	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011792	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011793	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011794	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011795	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume	**Units for Weight**
G-Gallon **M**-Cubic Meters **L**-Liters **O**-Fluid Ounce **F**-Cubic Feet **P**-Pint **Q**-Quart **C**-Cubic centimeters	**P**-Pound **O**-Ounce **K**-Kilograms **T**-Tons **G**-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name Mark Shepard	**Signature** Mark D. Shepard	**Z Number 168688**	**Date 08/05/05**

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type: SWMU 61-002, Waste Control Specialists			☐	< 90 Day Accumulation Area Start Date:	☐	Satellite Accumulation Area Approximate Volume:
TA: 03	Building: Outside	Room: NA	☐	Universal Waste Start Date:	☑	PCB Waste Start Date: 8/15/05
					☐	NM Special Waste (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*	Subcat.*
10011796	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011797	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011798	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011799	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011800	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011801	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011802	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011803	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011804	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011805	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011806	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011807	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011808	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011809	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011810	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume
G-Gallon M-Cubic Meters L-Liters O-Fluid Ounce F-Cubic Feet P-Pint Q-Quart C-Cubic centimeters

Units for Weight
P-Pound O-Ounce K-Kilograms T-Tons G-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name Mark Shepard	Signature Mark D. Shepard	Z Number 168688	Date 08/05/05

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type: SWMU 61-002, Waste Control Specialists			☐	< 90 Day Accumulation Area Start Date:	☐	Satellite Accumulation Area Approximate Volume:
TA: 03	Building: Outside	Room: NA	☐	Universal Waste Start Date:	☑	PCB Waste Start Date: 8/15/05
					☐	NM Special Waste (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*	Subcat.*
10011811	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011812	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011813	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011814	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011815	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011816	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011817	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011818	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011819	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011820	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011821	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011822	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011823	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011824	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011825	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume	**Units for Weight**
G-Gallon **M**-Cubic Meters **L**-Liters **O**-Fluid Ounce **F**-Cubic Feet **P**-Pint **Q**-Quart **C**-Cubic centimeters	**P**-Pound **O**-Ounce **K**-Kilograms **T**-Tons **G**-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name Mark Shepard	**Signature** Mark D. Shepard	**Z Number 168688**	**Date 08/05/05**

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type: SWMU 61-002, Waste Control Specialists			☐	< 90 Day Accumulation Area Start Date:	☐	Satellite Accumulation Area Approximate Volume:
TA: 03	Building: Outside	Room: NA	☐	Universal Waste Start Date:	☑	PCB Waste Start Date: 8/15/05
					☐	NM Special Waste (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*	Subcat.*
10011826	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011827	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011828	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011829	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011830	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011831	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011832	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011833	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011834	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011835	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011836	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
100118376	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011838	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011839	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011840	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume	**Units for Weight**
G-Gallon **M**-Cubic Meters **L**-Liters **O**-Fluid Ounce **F**-Cubic Feet **P**-Pint **Q**-Quart **C**-Cubic centimeters	**P**-Pound **O**-Ounce **K**-Kilograms **T**-Tons **G**-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name Mark Shepard	**Signature** Mark D. Shepard	**Z Number 168688**	**Date 08/05/05**

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type: SWMU 61-002, Waste Control Specialists			☐ < 90 Day Accumulation Area Start Date:	☐ Satellite Accumulation Area Approximate Volume:
TA: 03	Building: Outside	Room: NA	☐ Universal Waste Start Date:	☑ PCB Waste Start Date: 8/15/05
				☐ NM Special Waste (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*	Subcat.*
10011841	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011842	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011843	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011844	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011845	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011846	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011847	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011848	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011849	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011850	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011851	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011852	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011853	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011854	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011855	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume
G-Gallon **M**-Cubic Meters **L**-Liters **O**-Fluid Ounce **F**-Cubic Feet **P**-Pint **Q**-Quart **C**-Cubic centimeters

Units for Weight
P-Pound **O**-Ounce **K**-Kilograms **T**-Tons **G**-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name Mark Shepard	Signature Mark D. Shepard	Z Number 168688	Date 08/05/05

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type: SWMU 61-002, Waste Control Specialists			☐	**< 90 Day Accumulation Area** Start Date:	☐	**Satellite Accumulation Area** Approximate Volume:
TA: 03	Building: Outside	Room: NA	☐	**Universal Waste** Start Date:	☑	**PCB Waste** Start Date: 8/15/05
					☐	**NM Special Waste** (<90 days) Start Date:

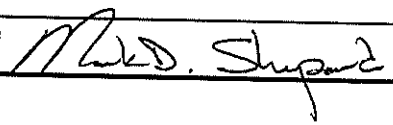
Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*	Subcat.*
10011856	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011857	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011858	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011859	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011860	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011861	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011862	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011863	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011864	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011865	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011866	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011867	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011868	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011869	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011870	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume
G-Gallon **M**-Cubic Meters **L**-Liters **O**-Fluid Ounce **F**-Cubic Feet **P**-Pint **Q**-Quart **C**-Cubic centimeters

Units for Weight
P-Pound **O**-Ounce **K**-Kilograms **T**-Tons **G**-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name Mark Shepard	**Signature** 	**Z Number 168688**	**Date 08/05/05**

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type: SWMU 61-002, Waste Control Specialists			☐	< 90 Day Accumulation Area Start Date:	☐	Satellite Accumulation Area Approximate Volume:
TA: 03	Building: Outside	Room: NA	☐	Universal Waste Start Date:	☑	PCB Waste Start Date: 8/15/05
					☐	NM Special Waste (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*	Subcat.*
10011871	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011872	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011873	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011874	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011875	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011876	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011877	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011878	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011879	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		
10011880	S	15.3	M	20000	P			38601	7H2000	MR0R	00FC	6900	Bulk PCB Remediation Waste Shipment to Waste Control Specialists		

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume
G-Gallon **M**-Cubic Meters **L**-Liters **O**-Fluid Ounce **F**-Cubic Feet **P**-Pint **Q**-Quart **C**-Cubic centimeters

Units for Weight
P-Pound **O**-Ounce **K**-Kilograms **T**-Tons **G**-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name Mark Shepard	Signature Mark D. Shepard	Z Number 168688	Date 08/05/05

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 39862

17-Jan-2007 07:03 AM (Version: 0)

Generator :	**SHURTER, MELANEE**	MS :	**M992**	PH :	**6677369**	Z#:	**097894**
WMC :	**LE SCOUARNEC, MICHAE**	MS :	**M992**	PH :	**5056677112**	Z#:	**135015**
Contact :							
RCRA Rev :	**Elicio Andy U**	MS :	**J595**	PH :	**5056676956**	Z#:	**118692**
Status :	**ACTIVE**	Activation Date :	**01/16/2007**		Expiration Date:		**01/16/2008**
Group :	**ERSS-RS**	TA :	**00**	Bldg :	**000000**	Room :	**NONE**

You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same. Should your waste change, please submit a new WPF to NWIS-SWO Customer Service.

Waste Accumu : **Less-than-90-days Storage Area Site ID# 3571**
ER Waste PRS# SWMU61-002

Method of Char : Chemical/Physical Analysis Number: RE64-06-73165
PCB Analysis Number: ER64-06-71548

Waste Prevention/Minimization

Can hazard segregation, elimination, or material substitution be used?	N
Can any of the materials in the waste stream be recycled or reused?	N
Has waste minimization been incorporated into procedures or other process controls>	Y
Can this waste be generated outside a RCA?	NA

Waste Type : **Process Waste/Spent Chemical/Other**

Waste Classes: RCA Waste - **Not RCA Waste**
RAD Waste - **Non-rad**

Waste Category: **Inorganic**
Organic
Solvent
PCB < 50 ppm
Other

Waste Sources : **Investigative Derived**

Waste Matrix : **Solid**

Matrix Type : **Heterogeneous**

Process Desc :

THIS HAZARDOUS WASTE WAS GENERATED FROM SITE FIELD INVESTIGATION ACTIVITIES AT SWMU61-002.

Waste Desc : THIS WASTE STREAM CONSISTS OF BOREHOLE DRILL CUTTINGS CONTAINERIZED IN A 20 YARD ROLL-OFF.

Ignitability : **Not ignitable**

Corrosivity : **Non-aqueous**

Reactivity : **Non-reactive**

Boiling Point : **Not applicable**

Toxicity Characteristic Metals:

Contaminant	Method	Limit	Min	Max	Unit

ARSENIC	TOTA	1.15	6.47	PPM
BARIUM	TOTA	12.69	348	PPM
CADMIUM	TOTA	0.0995	0.37	PPM
CHROMIUM	TOTA	0.323	14.3	PPM
LEAD	TOTA	4.349	69.3	PPM
MERCURY	TOTA	0.0029	0.282	PPM
SELENIUM	TOTA	0.77	15.2	PPM
SILVER	TOTA	0.042	0.15	PPM

Toxicity Characteristic Organic Compounds:

Contaminant	Method	Limit	Min	Max	Unit
METHYL ETHYL KETONE	TOTA		0.00565	0.221	PPM
P-CRESOL	TOTA		0	0.888	PPM
1,1-DICHLOROETHYLENE	TOTA		0	0.000557	PPM

Additional Chemical Constituents and Contaminants:

CAS NO	Constituent	MIN	MAX	UOM
	DRILL CUTTINGS	90	99	%
	ACENAPHTHENE	0.00000163	0.00221	%
	ACENAPHTHYLENE	0.00000168	0.0000258	%
	ACETONE	0.000000589	0.0000447	%
	ALUMINUM	0.0207	2.95	%
	ANTHRACENE	0.00000249	0.00279	%
	AROCLOR-1254	0.000000642	0.00000103	%
	AROCLOR-1260	0	0.000000579	%
	BENZO(A)ANTHRACENE	0.00001	0.00358	%
	BENZO(A)PYRENE	0.00000439	0.00291	%
	BENZO(B)FLUORANTHENE	0.00000325	0.00363	%
	BENZO(G,H,I)PERYLENE	0.00000338	0.00108	%
	BENZO(K)FLUORANTHENE	0.00000351	0.00119	%
	BERYLLIUM	0.0000243	0.000126	%
	BIS(2-ETHYLHEXYL)PHTHALATE	0	0.0000167	%
	BUTANONE[2-]	0.000000565	0.0000221	%
	BUTYLBENZENE[SEC-]	0.000874	0.00094	%
	CALCIUM	0.0241	1.75	%
	CHRYSENE	0.00000167	0.0037	%
	COBALT	0.0000413	0.00144	%
	COPPER	0.0000578	0.0061	%
	DIBENZ(A,H)ANTHRACENE	0.00000311	0.000033	%
	DIBENZOFURAN	0.00000978	0.00123	%
	DIBROMOETHANE[1,2-]	0	0.0000000509	%
	DICHLOROETHENE[1,1-]	0	0.0000000557	%
	ETHYLBENZENE	0.00478	0.00515	%
	FLUORANTHENE	0.00000127	0.0102	%
	FLUORENE	0.00000121	0.00209	%
	HEXANONE[2-]	0	0.00000371	%
	INDENO(1,2,3-CD)PYRENE	0.00000323	0.00111	%
	IRON	0.474	2.22	%
	ISOPROPYLBENZENE	0	0.00109	%
	MAGNESIUM	0.0101	0.324	%

MANGANESE	0.00307	0.106	%
METHYL-2-PENTANONE[4-]	0	0.00000108	%
METHYLENE CHLORIDE	0.000000229	0.00000067	%
METHYLNAPHTHALENE[2-]	0.000000751	0.00821	%
METHYLPHENOL[4-]	0	0.0000888	%
NAPHTHALENE	0.00000121	0.00712	%
NICKEL	0.000025	0.00119	%
PERCHLORATE	0.0000000705	0.000000733	%
PHENANTHRENE	0.00000154	0.0127	%
POTASSIUM	0.0117	0.263	%
PROPYLBENZENE[1-]	0.0000000274	0.00584	%
PYRENE	0.00000129	0.00973	%
SODIUM	0.00798	0.0946	%
THALLIUM	0.00000883	0.00004	%
TOLUENE	0.000000207	0.00218	%
TPH DIESELRANGE ORGANICS	0.000107	0.373	%
TPH GASOLINE RANGE ORGANICS	0.00000299	0.656	%
TRIMETHYLBENZENE[1,2,4-]	0.0000000489	0.0212	%
VANADIUM	0.000154	0.00302	%
XYLENE[1,2-]	0.0000000279	0.0133	%
XYLENE[1,3 AND 1,4]	0.0000000549	0.0276	%
ZINC	0.00178	0.0242	%
IDW WASTE (GLOVES (NITRILE), GLASS JARS, PLASTIC SHEETS, PAPER TOWELS)	4.5	10	%

Additional Information: REFERENCING WCSF 61-002 SITE INVESTIGATION REMEDIATION OF BUILDING 61-23. THIS IS WASTE #1 AND #2 IN THE WCSF. ANALYTICAL RESULTS ARE FOR THE DRILL CUTTINGS.

Work Control Documentation:

Do the procedures for this process cover how to manage this waste? Y

Do the procedures for this process cover controls to prevent changes to waste constituents and concentrations or addition or removal of waste? Y

Waste Certification Statements:

Waste appears to meet WAC chapter for: 8.0 HAZARDOUS WASTE.

LDR and Underlying Hazardous Constituents Information

Non-Wastewater/Wastewater Category: **Non Wastewater**

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : **NON-RAD**

RCRA Category : **HAZARDOUS WASTE**

Secondary Info : N/A

Waste Classification : **HAZARDOUS WASTE**

Waste Acceptances :

EPA Hazardous Waste Code : **F002 F004 F005**

Notification Of Underlying Hazardous Constituents:

Constituents

Benz(a)anthracene
Chrysene
Fluoranthene
Naphthalene
Phenanthrene
Pyrene
Xylenes (total)

This contaminated soil [does/does not] contain listed hazardous waste and [does/does not] exhibit a characteristic of hazardous waste and [is subject to/complies with] the soil treatment standards as provided by 268.49(c) or the universal treatment standards.

_____

Authorized Signature

I certify under penalty of law that I personally have examined this contaminated soil and it [does/does not] contain listed hazardous waste and [does/does not] exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by § 268.49(c).

_____

Authorized Signature

COPY

WASTE PROFILE FORM

Contact (if other than given below)	For rapid processing, complete all sections in black or blue ink and mail to: SOLID WASTE OPERATIONS GROUP at MS J595. For assistance with completing this form, call SOLID WASTE OPERATIONS GROUP at 5-4000.	Reference Number: 39862 (For SOLID WASTE OPERATIONS GROUP use only.)

Generator's Z Number	Waste Generator's Name (print)		WMC's Z Number	WMC's Name (print)		
097894	Melanee Shurter		135015	Michael Le Scouarnec		
Generator's Telephone	**Generator's Mail Stop**	**Waste Generating Group**	**Waste Stream Technical Area**	**Building**	**Room**	**WMC Telephone**
667-7369	M992	CAP	00	Outside	none	667-7112

Waste Accumulation (Check only one.)

- ☐ Satellite Accumulation Area — Site no: _____
- ☒ Less-than-90-days Storage Area — Site no: 3571
- ☐ TSDF — Site no: _____
- ☐ Universal Waste Storage Area — Site no: _____
- ☐ Used Oil for Recycle — Site no: _____
- ☐ PCBs Storage Area — Site no: _____
- ☐ NM Special Waste — Site no: _____
- ☐ Rad Staging Area — Site no: _____
- ☐ Rad Storage Area — Site no: _____
- ☐ None of the Above

ER Use Only ☒ ER Site — SWMU/AOC #: SWMU 61-002

Method of Characterization (Check as many as apply.)

☒ Chemical/Physical Analysis	☒ Attached	Sample #: RE64-06-73165
☐ Radiological Analysis	☐ Attached	Sample #: _____
☒ PCB Analysis	☒ Attached	Sample #: ER64-06-71548
☒ Acceptable Knowledge Documentation	☐ Attached	Documentation #: _____
☐ MSDS	☐ Attached	

Section 1 – Waste Prevention/Minimization (answer all questions)

Can hazard segregation, elimination, or material substitution be used?	☐ Yes (Provide comments)	☒ No	
Can any of the materials in the waste stream be recycled or reused?	☐ Yes (Provide comments)	☒ No	
Has waste minimization been incorporated into procedures or other process controls?	☒ Yes	☐ No (Provide comments)	
Can this waste be generated outside a RCA?	☐ Yes (Provide comments)	☐ No	☒ N/A

Comments:

Section 2 - Chemical and Physical Information

Waste Type (Check only one.)
- ☐ Unused/Unspent Chemical (Complete all sections as appropriate.)
- ☒ Process Waste/Spent Chemical/ Other (Complete all sections.)

Radiological Information

Was Waste Generated in a RCA? ☐ Yes ☒ No

- ☒ Non-radioactive
- ☐ Radioactive – Low Level
- ☐ Radioactive – Transuranic

Waste Destination (Check only one)
- ☐ SWWS (Complete Attachment 1)
- ☐ RLWTF (Complete Attachment 2)
- ☐ RLWTP (Complete Attachment 3)
- ☐ TA-16/HE (Complete Attachment 4)
- ☐ NTS (Complete Attachment 5)

Classification Information
- ☒ Unclassified
- ☐ Classified/Sensitive

Waste Category (Check all that apply.)
- ☒ Inorganic
- ☒ Organic
- ☒ Solvent *
- ☐ Degreaser *
- ☐ Dioxin
- ☐ Electroplating
- ☐ Treated Hazardous waste or residue
- ☐ No-Longer Contained-In
- ☐ Explosive process
- ☐ Infectious/Medical
- ☐ Biological
- ☐ Beryllium
- ☐ Empty Container (See instructions)
- ☐ Battery (See instructions)
- Asbestos ☐ friable ☐ non-friable

PCB Source Concentration
- ☒ PCB < 50 ppm
- ☐ PCB ≥ 50 - < 500 ppm
- ☐ PCB ≥ 500 ppm

- ☐ Hazardous Waste Contaminated Soil
- ☐ Untreated Hazardous Debris
- ☐ Commercial Solid Waste
- ☒ Other (Describe below)

* See instructions.

Waste Source (Check only one.)

Waste Source A
- ☐ Decon
- ☐ Materials Processing/Production
- ☐ Research/Development/Testing
- ☐ Scheduled Maintenance
- ☐ Housekeeping - Routine
- ☐ Spill Cleanup – Routine
- ☐ Sampling - Routine Monitoring
- ☐ Other (Describe below)

Waste Source B
- ☐ Abatement
- ☐ Construction/Upgrades
- ☐ Demolition
- ☐ Decon/Decom
- ☒ Investigative Derived
- ☐ Orphan/Legacy
- ☐ Remediation/Restoration
- ☐ Repacking (Secondary)
- ☐ Unscheduled Maintenance
- ☐ Housekeeping (Non-routine)
- ☐ Spill Cleanup (Non-routine)
- ☐ UST - Non-petroleum
- ☐ UST - Petroleum
- ☐ Other (Describe below)

Waste Matrix (Check only one.)

Gas
- ☐ ≤ 1.5 Atmospheres pressure
- ☐ > 1.5 Atmospheres pressure
- ☐ Liquefied compressed gas

Liquid
- ☐ Aqueous
- ☐ Non-aqueous
- ☐ Suspended Solids/ Aqueous
- ☐ Suspended Solids/ Non-aqueous

Solid
- ☐ Powder/Ash/Dust
- ☒ Solid
- ☐ Sludge
- ☐ Absorbed/solidified liquid
- ☐ Debris

Matrix Type (Check only one.)
- ☐ Homogeneous
- ☒ Heterogeneous

(Describe below)

Estimated Annual Volume (m^3): 15

Section 3 – Process and Waste Descriptions

Process Description:

This hazardous waste was generated from site field investigation activities at swmu61-002.

Waste Description:

This waste stream consists of borehole drill cuttings containerized in a 20 yard roll-off

Section 4 – Characteristics

Ignitability (Check only one.)

(°F)	(°C)
☐ < 73	< 22.8
☐ 73 - 99	22.8 - 37.2
☐ 100 - 139	37.8 - 59.4
☐ 140 -200	60.0 - 93.3
☐ > 200	> 93.3

☐ EPA Ignitable – Non-liquid
☐ DOT Flammable Gas
☐ DOT Oxidizer
☒ Not ignitable

Corrosivity (Check only one.) (pH)

☐ ≤ 2.0
☐ 2.1 – 4.0
☐ 4.1 – 6.0
☐ 6.1 – 9.0
☐ 9.1 - 12.4
☐ ≥ 12.5
☐ Liquid corrosive to steel
☒ Non-aqueous

Reactivity (Check as many as apply.)

☐ RCRA Unstable
☐ Water Reactive
☐ Cyanide Bearing
☐ Sulfide Bearing
☐ Pyrophoric
☐ Shock Sensitive
☐ Explosive - DOT Div. _____
☒ Non-reactive

Boiling Point (Check only one.)

(°F)	(°C)
☐ ≤ 95	≤ 35
☐ > 95	> 35

☒ Not applicable

Identify for all contaminants listed.	Characterization Method: AK	TCLP	Total	Concentration of Contaminants: None or Non-detect	Contaminant present at: Minimum	Maximum	Regulatory Limit
Toxicity Characteristic Metals					(10,000 ppm = 1%)		
Arsenic	☐	☐	☒	☐	1.15 ppm	6.47 ppm	5.0 ppm
Barium	☐	☐	☒	☐	12.69 ppm	348 ppm	100.0 ppm
Cadmium	☐	☐	☒	☐	0.0995 ppm	0.37 ppm	1.0 ppm
Chromium (Total)	☐	☐	☒	☐	0.323 ppm	14.3 ppm	5.0 ppm
Lead	☐	☐	☒	☐	4.349 ppm	69.3 ppm	5.0 ppm
Mercury	☐	☐	☒	☐	0.0029 ppm	0.282 ppm	0.2 ppm
Selenium	☐	☐	☒	☐	0.77 ppm	15.2 ppm	1.0 ppm
Silver	☐	☐	☒	☐	0.042 ppm	0.15 ppm	5.0 ppm
Toxicity Characteristic Organics							
Benzene	☐	☐	☒	☒	ppm	ppm	0.5 ppm
Carbon tetrachloride	☐	☐	☒	☒	ppm	ppm	0.5 ppm
Chlorobenzene	☐	☐	☒	☒	ppm	ppm	100.0 ppm
Chloroform	☐	☐	☒	☒	ppm	ppm	6.0 ppm
o – cresol	☐	☐	☒	☒	ppm	ppm	200.0 ppm
m – cresol	☐	☐	☒	☒	ppm	ppm	200.0 ppm
p – cresol	☐	☐	☒	☒	0 ppm	0.888 ppm	200.0 ppm
Cresol – mixed	☐	☐	☒	☒	ppm	ppm	200.0 ppm
1,4-Dichlorobenzene	☐	☐	☒	☒	ppm	ppm	7.5 ppm
1,2-Dichloroethane	☐	☐	☒	☒	ppm	ppm	0.5 ppm
1,1-Dichloroethylene	☐	☐	☒	☒	0 ppm	0.000552 ppm	0.7 ppm
2,4-Dinitrotoluene	☐	☐	☒	☒	ppm	ppm	0.13 ppm
Hexachlorobenzene	☐	☐	☒	☒	ppm	ppm	0.13 ppm
Hexachlorobutadiene	☐	☐	☒	☒	ppm	ppm	0.5 ppm
Hexachloroethane	☐	☐	☒	☒	ppm	ppm	3.0 ppm
Methyl ethyl ketone	☐	☐	☒	☐	0.00565 ppm	0.221 ppm	200.0 ppm
Nitrobenzene	☐	☐	☒	☒	ppm	ppm	2.0 ppm
Pentachlorophenol	☐	☐	☒	☒	ppm	ppm	100.0 ppm
Pyridine	☐	☐	☒	☒	ppm	ppm	5.0 ppm
Tetrachloroethylene	☐	☐	☒	☒	ppm	ppm	0.7 ppm
Trichloroethylene	☐	☐	☒	☒	ppm	ppm	0.5 ppm
2,4,5-Trichlorophenol	☐	☐	☒	☒	ppm	ppm	400.0 ppm
2,4,6-Trichlorophenol	☐	☐	☒	☒	ppm	ppm	2.0 ppm
Vinyl chloride	☐	☐	☒	☒	ppm	ppm	0.2 ppm
Herbicides and Pesticides							
Chlordane	☐	☐	☒	☒	ppm	ppm	0.03 ppm
2,4-D	☒	☐	☐	☒	ppm	ppm	10.0 ppm
Endrin	☐	☐	☒	☒	ppm	ppm	0.02 ppm
Heptachlor (& its epoxide)	☐	☐	☒	☒	ppm	ppm	0.008 ppm
Lindane	☐	☐	☒	☒	ppm	ppm	0.4 ppm
Methoxychlor	☐	☐	☒	☒	ppm	ppm	10.0 ppm
Toxaphene	☐	☐	☒	☒	ppm	ppm	0.5 ppm
2,4,5-TP (Silvex)	☒	☐	☐	☒	ppm	ppm	0.5 ppm

Section 5 - Additional Constituents and Information

Additional Constituents and Contaminants. Please account for 100% of waste. Ranges should be given within guidelines of individual constituents. List all other constituents (including inerts) not identified above and attach any applicable analysis. No chemical formulas allowed in this field. Continue in Section 3 Additional Information as necessary. CAS Numbers are needed for all chemical constituents, for material without a CAS Number enter "No CAS Number." Contact Waste Services at 5-4000 for assistance.

CAS No.	Name of constituent	Minimum		Maximum	
	Drill Cuttings	90 ~~95~~	to	99	%
IDW	~~IWD~~ waste (glove(nitrile), glass jars, plastic	4.5	to	10	% ML
ML	sheets, Paper towells)		to		%
	See attachment for Additional Constituents	0.5	to	9	%
			to		%
			to		%
			to		%
			to		%
			to		%
			to		%
			to		%
			to		%
			to		%
	Total of max. ranges of this section and page 2	118		~~108~~	in % ML

Additional Information (Use additional sheet if necessary.)
If additional information is available on the chemical, physical, or radiological character of the waste not covered on this form, provide it below:

Referencing WCSF 61-002 Site Investigation remediation of building 61-23
This is Waste # 2 in the WCSF ML
↳ This waste #1 and #2 in the WCSF
Analytical results are for the drill cuttings.

Section 6 - Work Control Documentation (answer all questions)

Do the procedures for this process cover how to manage this waste?	☒ Yes	☐ No (Provide comments)
Do the procedures for this process address controls to prevent changes to waste constituents and concentrations or addition or removal of waste to/from containers?	☒ Yes	☐ No (Provide comments)

Comments:

Section 7 - Packaging and Storage Control

Describe how the waste will be packaged in according to the applicable WAC:

Waste is packaged in accordance with DOT requirements. Generator will utilize one 20 yard roll-off bin

Identify the storage management controls that will be used for this waste stream: (check all that apply)

☐ Tamper indication devices	☐ Locked cabinet or building
☐ Limited use locks with log-in for waste	☒ Other (describe)

Section 8 – Waste Certification Statements (check only one)

☒ Waste appears to meet WAC chapter for: 8.0 Hazardous Waste
☐ Waste stream needs exception/exemption for treatment, storage, or disposal at:
☐ Waste does not meet the criteria for any known TSDF. (DOE approval is required. Contact the Waste Management Program Office for assistance.)

WASTE GENERATOR CERTIFICATION: Based on my knowledge of the waste and/or chemical/physical analysis, I certify that the waste characterization information on this form is correct and that it meets the requirements of the applicable waste acceptance criteria. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature: Melanie M Shuntes Date: 1/12/07

WASTE CERTIFYING OFFICIAL: I have reviewed this form and any associated attachments and the characterization information provided appears to be complete and accurate. I certify, to the best of my knowledge, that the waste characterization information provided by the waste generator meets the requirements of the applicable WAC.

Signature: [signature] Date: 1.12.07

Additional Constituents for SWMU 61-002				
Results are in Totals				
Constituent:	Min. (mg/kg)	Max (mg/kg)	Min. %	Max. %
Acenaphtene	0.0163	22.10000038	1.63E-06	0.00221
Acenaphthylene	0.016799999	0.257999986	1.68E-06	2.58E-05
Acetone	0.00589	0.446999997	5.89E-07	4.47E-05
Aluminum	207	29500	0.0207	2.95
Anthracene	0.024900001	27.89999962	2.49E-06	0.00279
Aroclor-1254	0.00642	0.0103	6.42E-07	1.03E-06
Aroclor-1260	0.00579		5.79E-07	0
Benzo(a)anthracene	0.100000001	35.79999924	1E-05	0.00358
Benzo(a)pyrene	0.043900002	29.10000038	4.39E-06	0.00291
Benzo(b)fluoranthene	0.032499999	36.29999924	3.25E-06	0.00363
Benzo(g,h,i)perylene	0.033799998	10.80000019	3.38E-06	0.00108
Benzo(k)fluoranthene	0.035100002	11.89999962	3.51E-06	0.00119
Beryllium	0.243000001	1.25999999	2.43E-05	0.000126
Bis(2-ethylhexyl)phthalate	0.166999996		1.67E-05	0
Butanone[2-]	0.00565	0.221000001	5.65E-07	2.21E-05
Butylbenzene[sec-]	8.739999771	9.399999619	0.000874	0.00094
Calcium	241	17500	0.0241	1.75
Chrysene	0.0167	37	1.67E-06	0.0037
Cobalt	0.412999988	14.39999962	4.13E-05	0.00144
Copper	0.578000009	61	5.78E-05	0.0061
Dibenz(a,h)anthracene	0.031099999	0.330000013	3.11E-06	3.3E-05
Dibenzofuran	0.097800002	12.30000019	9.78E-06	0.00123
Dibromoethane[1,2-]	0.000509		5.09E-08	0
Dichloroethene[1,1-]	0.000557		5.57E-08	0
Ethylbenzene	47.79999924	51.5	0.00478	0.00515
Fluoranthene	0.0127	102	1.27E-06	0.0102
Fluorene	0.0121	20.89999962	1.21E-06	0.00209
Hexanone[2-]	0.037099998		3.71E-06	0
Indeno(1,2,3-cd)pyrene	0.032299999	11.10000038	3.23E-06	0.00111
Iron	4740	22200	0.474	2.22
Isopropylbenzene	10.89999962		0.00109	0
Magnesium	101	3240	0.0101	0.324
Manganese	30.70000076	1060	0.00307	0.106
Methyl-2-pentanone[4-]	0.0108		1.08E-06	0
Methylene Chloride	0.00229	0.0067	2.29E-07	6.7E-07
Methylnaphthalene[2-]	0.00751	82.09999847	7.51E-07	0.00821
Methylphenol[4-]	0.888000011		8.88E-05	0
Naphthalene	0.0121	71.19999695	1.21E-06	0.00712
Nickel	0.25	11.89999962	0.000025	0.00119
Perchlorate	0.000705	0.00733	7.05E-08	7.33E-07
Phenanthrene	0.0154	127	1.54E-06	0.0127
Potassium	117	2630	0.0117	0.263
Propylbenzene[1-]	0.000274	58.40000153	2.74E-08	0.00584
Pyrene	0.0129	97.30000305	1.29E-06	0.00973
Sodium	79.80000305	946	0.00798	0.0946
Thallium	0.088299997	0.400000006	8.83E-06	4E-05
Toluene	0.00207	21.79999924	2.07E-07	0.00218
TPH Diesel Range Organics	1.070000052	3730	0.000107	0.373
TPH Gasoline Range Org.	0.029899999	6560	2.99E-06	0.656

Trimethylbenzene[1,2,4-]	0.000489	212	4.89E-08	0.0212
Vanadium	1.539999962	30.20000076	0.000154	0.00302
Xylene[1,2-]	0.000279	133	2.79E-08	0.0133
Xylene[1,3 and 1,4]	0.000549	276	5.49E-08	0.0276
Zinc	17.79999924	242	0.00178	0.0242
		Total =	**0.560764048**	**8.922534033**
Radionuclides for AOC 00-030(0)				
Radionuclide:	**Media**	**Max (pCi/g)**	**BkG(pCi/g)**	

Attachment 4 - LDR and UHC Information

Identify category and presence of any constituents listed below (equal to or above limit).

Non-Wastewater / Wastewater Category – Check only one.

☒ Non Wastewater ☐ Wastewater [as defined by 40 CFR 268.2(f)] ☐ Lab Pack [40 CFR 268.42(c)] Sign Certification #1

NOTIFICATIONS AND CERTIFICATIONS – Check the applicable boxes

GENERATOR REQUIREMENTS:

☒ This shipment contains hazardous waste contaminated soil that does not meet treatment standards — Sign Certification #2
☐ This shipment contains untreated hazardous debris to be treated to 40 CFR 268.45 treatment standards — (No certification)
☐ Hazardous wastes (except soil) meeting treatment standards at point of generation — Sign Certification #3
☐ Hazardous wastes contaminated soil meeting treatment standards at point of generation — Sign Certification #4

TSDF OR GENERATOR TREATMENT:

☐ TSDF Treated hazardous debris meeting the alternative treatment standards of 40 CFR 268.45 — Sign Certification #5
☐ Generator Treated hazardous debris meeting the alternative treatment standards of 40 CFR 268.45 — Sign Certification #6
☐ Hazardous wastes contaminated soil treated to 40 CFR 268.49 — Sign Certification #7
☐ Wastes or Residues from characteristic hazardous waste treatment meeting treatment standards and UTS — Sign Certification #8
☐ Wastes or Residues from characteristic hazardous waste treatment not meeting UTS — Sign Certification #9
☐ Other TSDF wastes meeting the more stringent 40 CFR 268.40 treatment standards to be land disposed — Sign Certification #10
☐ Other Generator wastes meeting the more stringent 40 CFR 268.40 treatment standards to be land disposed — Sign Certification #11

Notification Of Underlying Hazardous Constituents

(Check the applicable underlying constituents above the concentration levels for D001 through D043 characteristic wastes only)

☐ *No Underlying Hazardous Constituents in this waste stream.*

	Organic constituents			CASRN 1	Wastewater Standard (mg/l)	Non wastewater standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS Nonwastewater (mg/kg unless noted otherwise)
☐	Acenaphthylene			208-96-8	0.059	3.4	34
☐	Acenaphthene			83-32-9	0.059	3.4	34
☐	Acetone			67-64-1	0.28	160	1600
☐	Acetonitrile			75-05-8	5.6	38	380
☐	Acetophenone			96-86-2	0.010	9.7	97
☐	2-Acetylaminofluorene			53-96-3	0.059	140	1400
☐	Acrolein			107-02-8	0.29	NA	NA
☐	Acrylamide			79-06-1	19	23	230
☐	Acrylonitrile			107-13-1	0.24	84	840
☐	Aldicarb sulfone			1646-88-4	0.056	0.28	2.8
☐	Aldrin			309-00-2	0.021	0.066	0.66
☐	4-Aminobiphenyl			92-67-1	0.13	NA	NA
☐	Aniline			62-53-3	0.81	14	140
☐	o-Anididine (2-methoxyaniline)			90-04-0	0.010	0.66	6.6
☐	Anthracene			120-12-7	0.059	3.4	34
☐	Aramite			140-57-8	0.36	NA	NA
☐	alpha-BHC			319-84-6	0.00014	0.066	0.66
☐	beta-BHC			319-85-7	0.00014	0.066	0.66
☐	delta-BHC			319-86-8	0.023	0.066	0.66
☐	gamma-BHC			58-89-9	0.0017	0.066	0.66
☐	Barban			101-27-9	0.056	1.4	14
☐	Bendiocarb			22781-23-3	0.056	1.4	14
☐	Benomyl			17804-35-2	0.056	1.4	14
☐	Benzene			71-43-2	0.14	10	100
☒	Benz(a)anthracene			56-55-3	0.059	3.4	34
☐	Benzal chloride			98-87-3	0.055	6.0	60
☐	Benzo(b)fluoranthene			205-99-2	0.11	6.8	68
☐	Benzo(k)fluoranthene			207-08-9	0.11	6.8	68
☐	Benzo(g,h,i)perylene			191-24-2	0.0055	1.8	18

	Organic constituents			CASRN 1	Wastewater Standard (mg/l)	Non wastewater standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS Nonwastewater (mg/kg unless noted otherwise)
☐	Benzo(a)pyrene			50-32-8	0.061	3.4	34
☐	Bromodichloromethane			75-27-4	0.35	15	150
☐	Bromomethane (Methyl bromide)			74-83-9	0.11	15	150
☐	4-Bromophenyl phenyl ether			101-55-3	0.055	15	150
☐	n-Butyl alcohol			71-36-3	5.6	2.6	26
☐	Butylate			2008-41-5	0.042	1.4	14
☐	Butyl benzyl phthalate			85-68-7	0.017	28	280
☐	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)			88-85-7	0.066	2.5	25
☐	Carbaryl			63-25-2	0.006	0.14	1.4
☐	Carbenzadim			10605-21-7	0.056	1.4	14
☐	Carbofuran			1563-66-2	0.006	0.14	1.4
☐	Carbofuran phenol			1563-38-8	0.056	1.4	14
☐	Carbon disulfide			75-15-0	3.8	4.8 mg/l TCLP	48 mg/l TCLP
☐	Carbon tetrachloride			56-23-5	0.057	6.0	60
☐	Carbosulfan			55285-14-8	0.028	1.4	14
☐	Chlordane (alpha & gamma isomers)			57-74-9	0.0033	0.26	2.6
☐	p-Chloroaniline			106-47-8	0.46	16	160
☐	Chlorobenzene			108-90-7	0.057	6.0	60
☐	Chlorobenzilate			510-15-6	0.10	NA	NA
☐	2-Chloro-1,3-butadiene			126-99-8	0.057	0.28	2.8
☐	Chlorodibromomethane			124-48-1	0.057	15	150
☐	Chloroethane			75-00-3	0.27	6.0	60
☐	bis(2-Chloroethoxy) methane			111-91-1	0.036	7.2	72
☐	bis(2-Chloroethyl) ether			111-44-4	0.033	6.0	60
☐	Chloroform			67-66-3	0.046	6.0	60
☐	bis(2-Chloroisopropyl) ether			108-60-1	0.055	7.2	72
☐	p-Chloro-m-cresol			59-50-7	0.018	14	140
☐	2-Chloroethyl vinyl ether			110-75-8	0.062	NA	NA
☐	Chloromethane (Methyl chloride)			74-87-3	0.19	30	300
☐	2-Chloronaphthalene			91-58-7	0.055	5.6	56
☐	2-Chlorophenol			95-57-8	0.044	5.7	57
☐	3-Chloropropylene			107-05-1	0.036	30	300
☒	Chrysene			218-01-9	0.059	3.4	34
☐	p-Cresidine			120-71-8	0.010	0.66	6.6
☐	o-Cresol			95-48-7	0.11	5.6	56
☐	m-Cresol			108-39-4	0.77	5.6	56
☐	p-Cresol			106-44-5	0.77	5.6	56
☐	m-Cumenyl methylcarbamate			64-00-6	0.056	1.4	14
☐	Cyclohexanone			108-94-1	0.36	0.75 mg/l TCLP	7.5 mg/l TCLP
☐	o,p'-ddd			53-19-0	0.023	0.087	0.87
☐	p,p'-ddd			72-54-8	0.023	0.087	0.87
☐	o,p'-dde			3424-82-6	0.031	0.087	0.87
☐	p,p'-dde			72-55-9	0.031	0.087	0.87
☐	o,p'-ddt			789-02-6	0.0039	0.087	0.87
☐	p,p'-ddt			50-29-3	0.0039	0.087	0.87
☐	Dibenz(a,h)anthracene			53-70-3	0.055	8.2	82
☐	Dibenz(a,e)pyrene			192-65-4	0.061	NA	NA

	Organic constituents			CASRN 1	Wastewater Standard (mg/l)	Non wastewater standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS Nonwastewater (mg/kg unless noted otherwise)
☐	1,2-Dibromo-3-chloropropane			96-12-8	0.11	15	150
☐	1,2-Dibromoethane (Ethylene dibromide)			106-93-4	0.028	15	150
☐	Dibromomethane			74-95-3	0.11	15	150
☐	m-Dichlorobenzene			541-73-1	0.036	6.0	60
☐	o-Dichlorobenzene			95-50-1	0.088	6.0	60
☐	p-Dichlorobenzene			106-46-7	0.090	6.0	60
☐	Dichlorodifluoromethane			75-71-8	0.23	7.2	72
☐	1,1-Dichloroethane			75-34-3	0.059	6.0	60
☐	1,2-Dichloroethane			107-06-2	0.21	6.0	60
☐	1,1-Dichloroethylene			75-35-4	0.025	6.0	60
☐	trans-1,2-Dichloroethylene			156-60-5	0.054	30	300
☐	2,4-Dichlorophenol			120-83-2	0.044	14	140
☐	2,6-Dichlorophenol			87-65-0	0.044	14	140
☐	2,4-Dichlorophenoxyacetic acid (2,4-D)			94-75-7	0.72	10	100
☐	1,2-Dichloropropane			78-87-5	0.85	18	180
☐	cis-1,3-Dichloropropylene			10061-01-5	0.036	18	180
☐	trans-1,3-Dichloropropylene			10061-02-6	0.036	18	180
☐	Dieldrin			60-57-1	0.017	0.13	1.3
☐	Diethyl phthalate			84-66-2	0.20	28	280
☐	p-Dimethylaminoazobenzene			60-11-7	0.13	NA	NA
☐	2,4-Dimethylaniline (2,4-xylidine)			95-68-1	0.010	0.66	6.6
☐	2,4-Dimethyl phenol			105-67-9	0.036	14	140
☐	Dimethyl phthalate			131-11-3	0.047	28	280
☐	Di-n-butyl phthalate			84-74-2	0.057	28	280
☐	1,4-Dinitrobenzene			100-25-4	0.32	2.3	23
☐	4,6-Dinitro-o-cresol			534-52-1	0.28	160	1600
☐	2,4-Dinitrophenol			51-28-5	0.12	160	1600
☐	2,4-Dinitrotoluene			121-14-2	0.32	140	1400
☐	2,6-Dinitrotoluene			606-20-2	0.55	28	280
☐	Di-n-octyl phthalate			117-84-0	0.017	28	280
☐	Di-n-propylnitrosamine			621-64-7	0.40	14	140
☐	1,4-Dioxane			123-91-1	12.0	170	1700
☐	Diphenylamine			122-39-4	0.92	13	130
☐	Diphenylnitrosamine			86-30-6	0.92	13	130
☐	1,2-Diphenylhydrazine			122-66-7	0.087	NA	NA
☐	Disulfoton			298-04-4	0.017	6.2	62
☐	Dithiocarbamates (total)			NA	0.028	28	280
☐	Endosulfan I			959-98-8	0.023	0.066	0.66
☐	Endosulfan II			33213-65-9	0.029	0.13	1.3
☐	Endosulfan sulfate			1031-07-8	0.029	0.13	1.3
☐	Endrin			72-20-8	0.0028	0.13	1.3
☐	Endrin aldehyde			7421-93-4	0.025	0.13	1.3
☐	EPTC			759-94-4	0.042	1.4	14
☐	Ethyl acetate			141-78-6	0.34	33	330
☐	Ethyl benzene			100-41-4	0.057	10	100
☐	Ethyl cyanide (Propanenitrile)			107-12-0	0.24	360	3600

	Organic constituents			CASRN 1	Wastewater Standard (mg/l)	Non wastewater standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS Nonwastewater (mg/kg unless noted otherwise)
☐	Ethyl ether			60-29-7	0.12	160	1600
☐	bis(2-Ethylhexyl)phthalate			117-81-7	0.28	28	280
☐	Ethyl methacrylate			97-63-2	0.14	160	1600
☐	Ethylene oxide			75-21-8	0.12	NA	NA
☐	Famphur			52-85-7	0.017	15	150
☒	Fluoranthene			206-44-0	0.068	3.4	34
☐	Fluorene			86-73-7	0.059	3.4	34
☐	Formetanate hydrochloride			23422-53-9	0.056	1.4	14
☐	Heptachlor			76-44-8	0.0012	0.066	0.66
☐	Heptachlor epoxide			1024-57-3	0.016	0.066	0.66
☐	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin			35822-46-9	0.000035	0.0025	0.025
☐	1,2,3,4,6,7,8-Heptachlorodibenzofuran			67562-39-4	0.000035	0.0025	0.025
☐	1,2,3,4,7,8,9-Heptachlorodibenzofuran			55673-89-7	0.000035	0.0025	0.025
☐	Hexachlorobenzene			118-74-1	0.055	10	100
☐	Hexachlorobutadiene			87-68-3	0.055	5.6	56
☐	Hexachlorocyclopentadiene			77-47-4	0.057	2.4	24
☐	Hexachlorodibenzo-p-dioxins (HxCDDs)			NA	0.000063	0.001	0.01
☐	Hexachlorodibenzo-furans (HxCDFs)			NA	0.000063	0.001	0.01
☐	Hexachloroethane			67-72-1	0.055	30	300
☐	Hexachloropropylene			1888-71-7	0.035	30	300
☐	Indeno (1,2,3-c,d) pyrene			193-39-5	0.0055	3.4	34
☐	Iodomethane			74-88-4	0.19	65	650
☐	Isobutyl alcohol			78-83-1	5.6	170	1700
☐	Isodrin			465-73-6	0.021	0.066	0.66
☐	Isosafrole			120-58-1	0.081	2.6	26
☐	Kepone			143-50-0	0.0011	0.13	1.3
☐	Methacrylonitrile			126-98-7	0.24	84	840
☐	Methanol			67-56-1	5.6	0.75 mg/l TCLP	7.5 mg/l TCLP
☐	Methapyrilene			91-80-5	0.081	1.5	15
☐	Methiocarb			2032-65-7	0.056	1.4	14
☐	Methomyl			16752-77-5	0.028	0.14	14
☐	Methoxychlor			72-43-5	0.25	0.18	1.8
☐	3-Methylchlolanthrene			56-49-5	0.0055	15	150
☐	4,4-Methylene bis(2-chloroaniline)			101-14-4	0.50	30	300
☐	Methylene chloride			75-09-2	0.089	30	300
☐	Methyl ethyl ketone			78-93-3	0.28	36	360
☐	Methyl isobutyl ketone			108-10-1	0.14	33	330
☐	Methyl methacrylate			80-62-6	0.14	160	1600
☐	Methyl methansulfonate			66-27-3	0.018	NA	NA
☐	Methyl parathion			298-00-0	0.014	4.6	46
☐	Metolcarb			1129-41-5	0.056	1.4	14
☐	Mexacarbate			315-18-4	0.056	1.4	14
☐	Molinate			2212-67-1	0.042	1.4	14
☒	Naphthalene			91-20-3	0.059	5.6	56
☐	2-Naphthylamine			91-59-8	0.52	NA	NA

	Organic constituents			CASRN 1	Wastewater Standard (mg/l)	Non wastewater standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS Nonwastewater (mg/kg unless noted otherwise)
☐	o-Nitroaniline			88-74-4	0.27	14	140
☐	p-Nitroaniline			100-01-6	0.028	28	280
☐	Nitrobenzene			98-95-3	0.068	14	140
☐	5-Nitro-o-toluidine			99-55-8	0.32	28	280
☐	o-Nitrophenol			88-75-5	0.028	13	130
☐	p-Nitrophenol			100-02-7	0.12	29	290
☐	N-Nitrosodiethylamine			55-18-5	0.40	28	280
☐	N-Nitrosodimethylamine			62-75-9	0.40	2.3	23
☐	N-Nitroso-di-n-butylamine			924-16-3	0.40	17	170
☐	N-Nitrosomethylethylamine			10595-95-6	0.40	2.3	23
☐	N-Nitrosomorpholine			59-89-2	0.40	2.3	23
☐	N-Nitrosopiperidine			100-75-4	0.013	35	350
☐	N-Nitrosopyrrolidine			930-55-2	0.013	35	350
☐	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin			3268-87-9	0.000063	0.005	0.05
☐	1,2,3,4,6,7,8,9-Octachlorodibenzofuran			39001-02-0	0.000063	0.005	0.05
☐	Oxamyl			23135-22-0	0.056	0.28	2.8
☐	Parathion			56-38-2	0.014	4.6	46
☐	PCBs (total)			1336-36-3	0.10	10	100
☐	Pebulate			1114-71-2	0.042	1.4	14
☐	Pentachlorobenzene			608-93-5	0.055	10	100
☐	Pentachlorodibenzo-p-dioxins (PeCDDs)			NA	0.000063	0.001	0.01
☐	Pentachlorodibenzo-furans (PeCDFs)			NA	0.000035	0.001	0.01
☐	Pentachloroethane			76-01-7	0.055	6.0	60
☐	Pentachloronitrobenzene			82-68-8	0.055	4.8	48
☐	Pentachlorophenol			87-86-5	0.089	7.4	74
☐	Phenacetin			62-44-2	0.081	16	160
☒	Phenanthrene			85-01-8	0.059	5.6	56
☐	Phenol			108-95-2	0.039	6.2	62
☐	1,3-Phenylenediamine			108-45-2	0.01	0.66	6.6
☐	Phorate			298-02-2	0.021	4.6	46
☐	Phthalic acid			100-21-0	0.055	28	280
☐	Phthalic anhydride			85-44-9	0.055	28	280
☐	Physostigmine			57-47-6	0.056	1.4	14
☐	Physostigmine salicylate			57-64-7	0.056	1.4	14
☐	Promecarb			2631-37-0	0.056	1.4	14
☐	Pronamide			23950-58-5	0.093	1.5	15
☐	Propham			122-42-9	0.056	1.4	14
☐	Propoxur			114-26-1	0.056	1.4	14
☐	Prosulfocarb			52888-80-9	0.042	1.4	14
☒	Pyrene			129-00-0	0.067	8.2	82
☐	Pyridine			110-86-1	0.014	16	160
☐	Safrole			94-59-7	0.081	22	220
☐	Silvex (2,4,5-TP)			93-72-1	0.72	7.9	79
☐	1,2,4,5-Tetrachlorobenzene			95-94-3	0.055	14	140
☐	Tetrachlorodibenzo-p-dioxins (TCDDs)			NA	0.000063	0.001	0.01
☐	Tetrachlorodibenzofurans (TCDFs)			NA	0.000063	0.001	0.01

	Organic constituents			CASRN 1	Wastewater Standard (mg/l)	Non wastewater standard (mg/kg unless noted otherwise)	Hazardous Soil 10Xs UTS Nonwastewater (mg/kg unless noted otherwise)
☐	1,1,1,2-Tetrachloroethane			630-20-6	0.057	6.0	60
☐	1,1,2,2-Tetrachloroethane			79-34-5	0.057	6.0	60
☐	Tetrachloroethylene			127-18-4	0.056	6.0	60
☐	2,3,4,6-Tertachlorophenol			58-90-2	0.030	7.4	74
☐	Thiodicarb			59669-26-0	0.019	1.4	14
☐	Thiophanate-methyl			23564-05-8	0.056	1.4	14
☐	Toluene			108-88-3	0.080	10	100
☐	Toxaphene			8001-35-2	0.0095	2.6	26
☐	Triallate			2303-17-5	0.042	1.4	14
☐	Tribromomethane (Bromoform)			75-25-2	0.63	15	150
☐	2,4,6-Tribromophenol			118-79-6	0.035	7.4	74
☐	1,2,4-Trichlorobenzene			120-82-1	0.055	19	190
☐	1,1,1-Trichloroethane			71-55-6	0.054	6.0	60
☐	1,1,2-Trichloroethane			79-00-5	0.054	6.0	60
☒	Trichloroethylene			79-01-6	0.054	6.0	60
☐	Trichloromonofluoromethane			75-69-4	0.020	30	300
☐	2,4,5-Trichlorophenol			95-95-4	0.18	7.4	74
☐	2,4,6-Trichlorophenol			88-06-2	0.035	7.4	74
☐	2,4,5-Trichlorophenoxyacetic acid (2,4,5-T)			93-76-5	0.72	7.9	79
☐	1,2,3-Trichloropropane			96-18-4	0.85	30	300
☐	1,1,2-Trichloro-1,2,2-trifluoroethane			76-13-1	0.057	30	300
☐	Triethylamine			121-44-8	0.081	1.5	15
☐	tris-(2,3-Dibromopropyl) phosphate			126-72-7	0.11	0.10	1.0
☐	Vernolate			1929-77-7	0.042	1.4	14
☐	Vinyl chloride			75-01-4	0.27	6.0	60
☒	Xylenes (total)			1330-20-7	0.32	30	300
☐	Antimony			7440-36-0	1.9	1.15 mg/l TCLP	11.5 mg/l TCLP
☐	Arsenic			7440-38-2	1.4	5.0 mg/l TCLP	50 mg/l TCLP
☐	Barium			7440-39-3	1.2	21 mg/l TCLP	210 mg/l TCLP
☐	Beryllium			7440-41-7	0.82	1.22 mg/l TCLP	12.2 mg/l TCLP
☐	Cadmium			7440-43-9	0.69	0.11 mg/l TCLP	1.1 mg/l TCLP
☐	Chromium (Total)			7440-47-3	2.77	0.60 mg/l TCLP	6.0 mg/l TCLP
☐	Cyanides (Total)[4]			57-12-5	1.2	590	5900
☐	Cyanides (Amenable)[4]			57-12-5	0.86	30	300
☐	Fluoride			16984-48-8	35	NA	NA
☐	Lead			7439-92-1	0.69	0.75 mg/l TCLP	7.5 mg/l TCLP
☐	Mercury (Retort residues)			7439-97-6	NA	0.20 mg/l TCLP	2.0 mg/l TCLP
☐	Mercury - All others			7439-97-6	0.15	0.025 mg/l TCLP	0.25 mg/l TCLP
☐	Nickel			7440-02-0	3.98	11 mg/l TCLP	110 mg/l TCLP
☐	Selenium			7782-49-2	0.82	5.7 mg/l TCLP	57 mg/l TCLP
☐	Silver			7440-22-4	0.43	0.14 mg/l TCLP	1.4 mg/l TCLP
☐	Sulfide			18496-25-8	14	NA	NA
☐	Thallium			7440-28-0	1.4	0.20 mg/l TCLP	2.0 mg/l TCLP
☐	Vanadium[5]			7440-62-2	4.3	1.6 mg/l TCLP	16 mg/l TCLP
☐	Zinc[5]			7440-66-6	2.61	4.3 mg/l TCLP	43 mg/l TCLP

NOTIFICATIONS/CERTIFICATIONS #2

WPF # _____

This shipment contains hazardous waste contaminated soil that does not meet treatment standards.

This contaminated soil [does/does not] contain listed hazardous waste and [does/does not] exhibit a characteristic of hazardous waste and [is subject to/complies with] the soil treatment standards as provided by 268.49(c) or the universal treatment standards.

Melanee M Shuster
Authorized Signature

I certify under penalty of law that I personally have examined this contaminated soil and it [does/does not] contain listed hazardous waste and [does/does not] exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by § 268.49(c).

Melanee M Shuster
Authorized Signature

REQUEST	SAMPLE_ID	RFI_CLASS	ANALYTE_NAME	STD_SAMPLE_VA	STD_REP(	FU4_(	ANALYTIC	ANYL_METH_CODE	
5523S	RE16-06-71167	ORGANIC	Acenaphthene	0.0163	MG/KG	J	SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Acenaphthene	0.02	MG/KG	J	SVOC	SW-846:8270C	
5933S	RE16-06-72968	ORGANIC	Acenaphthene	0.024800001	MG/KG	J	SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Acenaphthene	0.112000003	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Acenaphthene	0.324999988	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Acenaphthene	0.375999987	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Acenaphthene	0.628000021	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Acenaphthene	0.779999971	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Acenaphthene	0.884000003	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Acenaphthene	2.140000105	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Acenaphthene	22.10000038	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Acenaphthylene	0.016799999	MG/KG	J	SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Acenaphthylene	0.257999986	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72966	ORGANIC	Acetone	0.00589	MG/KG		VOC	SW-846:8260B	
6512S	RE16-06-72965	ORGANIC	Acetone	0.00631	MG/KG	J	VOC	SW-846:8260B	
5532S	RE16-06-71191	ORGANIC	Acetone	0.0174	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71529	ORGANIC	Acetone	0.045000002	MG/KG	J+	VOC	SW-846:8260B	
5532S	RE16-06-71192	ORGANIC	Acetone	0.119999997	MG/KG		VOC	SW-846:8260B	
5745S	RE61-06-71534	ORGANIC	Acetone	0.446999997	MG/KG		VOC	SW-846:8260B	
5746S	RE61-06-71533	INORGANIC	Aluminum	207	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Aluminum	315	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Aluminum	879	MG/KG	J+	METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Aluminum	1510	MG/KG	J+	METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Aluminum	2150	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Aluminum	3080	MG/KG	J+	METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Aluminum	3700	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Aluminum	3790	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Aluminum	5070	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Aluminum	5220	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Aluminum	7450	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Aluminum	7620	MG/KG	J+	METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Aluminum	9820	MG/KG	J+	METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Aluminum	10000	MG/KG	J+	METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Aluminum	10200	MG/KG	J+	METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Aluminum	10400	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Aluminum	10900	MG/KG	J+	METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Aluminum	10900	MG/KG	J+	METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Aluminum	11000	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Aluminum	12500	MG/KG	J+	METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Aluminum	12900	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Aluminum	13200	MG/KG	J+	METALS	SW-846:6010B	

5523S	RE16-06-71166	INORGANIC	Aluminum	13800	MG/KG	J+	METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Aluminum	14000	MG/KG	J+	METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Aluminum	14800	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Aluminum	15600	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Aluminum	15700	MG/KG	J+	METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Aluminum	16000	MG/KG	J+	METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Aluminum	16800	MG/KG	J+	METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Aluminum	17700	MG/KG	J+	METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Aluminum	20700	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Aluminum	21400	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Aluminum	21500	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Aluminum	21500	MG/KG	J+	METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Aluminum	21700	MG/KG	J+	METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Aluminum	21800	MG/KG	J+	METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Aluminum	22000	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Aluminum	22300	MG/KG	J+	METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Aluminum	22600	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Aluminum	24900	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Aluminum	26700	MG/KG	J+	METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Aluminum	26800	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Aluminum	27100	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Aluminum	27600	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Aluminum	29500	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71167	ORGANIC	Anthracene	0.024900001	MG/KG	J	SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Anthracene	0.030300001	MG/KG	J	SVOC	SW-846:8270C	
5937S	RE16-06-71183	ORGANIC	Anthracene	0.067900002	MG/KG		SVOC	SW-846:8270C	
5933S	RE16-06-72968	ORGANIC	Anthracene	0.108999997	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Anthracene	0.270000011	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Anthracene	0.419	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Anthracene	1.360000014	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Anthracene	1.480000019	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Anthracene	1.480000019	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Anthracene	3.460000038	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Anthracene	4.139999866	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Anthracene	27.89999962	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	INORGANIC	Antimony	0.402999997	MG/KG	R	METALS	SW-846:6020	
5938S	RE16-06-71182	INORGANIC	Antimony	0.414999992	MG/KG	R	METALS	SW-846:6020	
5936S	RE16-06-71150	INORGANIC	Antimony	0.416999996	MG/KG	R	METALS	SW-846:6020	
5938S	RE16-06-71183	INORGANIC	Antimony	0.428000003	MG/KG	R	METALS	SW-846:6020	
5936S	RE16-06-71146	INORGANIC	Antimony	0.430999994	MG/KG	R	METALS	SW-846:6020	
5936S	RE16-06-71148	INORGANIC	Antimony	0.430999994	MG/KG	R	METALS	SW-846:6020	
5936S	RE16-06-71152	INORGANIC	Antimony	0.43900001	MG/KG	R	METALS	SW-846:6020	

5938S	RE16-06-71181	INORGANIC	Antimony	0.43900001	MG/KG	R	METALS	SW-846:6020	
5435S	RE16-06-71163	INORGANIC	Antimony	0.442000002	MG/KG	R	METALS	SW-846:6020	
5640S	RE16-06-72969	INORGANIC	Antimony	0.465999991	MG/KG	R	METALS	SW-846:6020	
5640S	RE16-06-72963	INORGANIC	Antimony	0.474000007	MG/KG	R	METALS	SW-846:6020	
5563S	RE16-06-71169	INORGANIC	Antimony	0.477999985	MG/KG	R	METALS	SW-846:6020	
5563S	RE16-06-71174	INORGANIC	Antimony	0.481999993	MG/KG	R	METALS	SW-846:6020	
5933S	RE16-06-72968	INORGANIC	Antimony	0.488000005	MG/KG	R	METALS	SW-846:6020	
5640S	RE16-06-72962	INORGANIC	Antimony	0.493999988	MG/KG	R	METALS	SW-846:6020	
5563S	RE16-06-71172	INORGANIC	Antimony	0.546000004	MG/KG	R	METALS	SW-846:6020	
6424S	RE61-06-73168	ORGANIC	Aroclor-1254	0.00642	MG/KG		PCB	SW-846:8082	
6424S	RE61-06-73165	ORGANIC	Aroclor-1254	0.0103	MG/KG		PCB	SW-846:8082	
6424S	RE61-06-73165	ORGANIC	Aroclor-1260	0.00579	MG/KG		PCB	SW-846:8082	
5733S	RE61-06-71538	INORGANIC	Arsenic	1.149999976	MG/KG	J	METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Arsenic	1.379999995	MG/KG	J	METALS	SW-846:6010B	
5746S	RE61-06-71533	INORGANIC	Arsenic	1.470000029	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Arsenic	1.830000043	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Arsenic	2.25	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Arsenic	2.25999999	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Arsenic	2.380000114	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Arsenic	2.380000114	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Arsenic	2.420000076	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Arsenic	2.430000067	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Arsenic	2.460000038	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Arsenic	2.5	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Arsenic	2.559999943	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Arsenic	2.589999914	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Arsenic	2.670000076	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Arsenic	2.769999981	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Arsenic	2.769999981	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Arsenic	2.779999971	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Arsenic	2.880000114	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Arsenic	2.900000095	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Arsenic	2.900000095	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Arsenic	3.019999981	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Arsenic	3.089999914	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Arsenic	3.119999886	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Arsenic	3.150000095	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Arsenic	3.170000076	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Arsenic	3.190000057	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Arsenic	3.200000048	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Arsenic	3.210000038	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Arsenic	3.25999999	MG/KG		METALS	SW-846:6010B	

6512S	RE16-06-72965	INORGANIC	Arsenic	3.480000019	MG/KG		METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Arsenic	3.680000067	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Arsenic	3.789999962	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Arsenic	3.809999943	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Arsenic	3.940000057	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Arsenic	3.970000029	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Arsenic	4.059999943	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Arsenic	4.190000057	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Arsenic	4.5	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Arsenic	4.53000021	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Arsenic	5.019999981	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Arsenic	5.21999979	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Arsenic	6.190000057	MG/KG		METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Arsenic	6.360000134	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Arsenic	6.460000038	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71533	INORGANIC	Barium	12.69999981	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Barium	14.30000019	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Barium	17.5	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Barium	18.79999924	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Barium	23.79999924	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Barium	30.29999924	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Barium	30.39999962	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Barium	32.09999847	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Barium	37.59999847	MG/KG	J	METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Barium	46	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Barium	50.5	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Barium	81	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Barium	95	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Barium	101	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Barium	109	MG/KG	J+	METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Barium	109	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Barium	112	MG/KG	J+	METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Barium	112	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Barium	113	MG/KG	J+	METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Barium	116	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Barium	119	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Barium	120	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Barium	121	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Barium	125	MG/KG	J+	METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Barium	129	MG/KG	J+	METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Barium	131	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Barium	133	MG/KG		METALS	SW-846:6010B	

5933S	RE16-06-72968	INORGANIC	Barium	147	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Barium	148	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Barium	157	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Barium	157	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Barium	159	MG/KG	J+	METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Barium	159	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Barium	167	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Barium	182	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Barium	186	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Barium	198	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Barium	201	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Barium	203	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Barium	219	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Barium	219	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Barium	228	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Barium	238	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Barium	324	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Barium	348	MG/KG		METALS	SW-846:6010B	
5933S	RE16-06-72968	ORGANIC	Benzo(a)anthracene	0.100000001	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Benzo(a)anthracene	0.88499999	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Benzo(a)anthracene	0.963999987	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Benzo(a)anthracene	2.049999952	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Benzo(a)anthracene	4.21999979	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Benzo(a)anthracene	4.21999979	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Benzo(a)anthracene	8.680000305	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Benzo(a)anthracene	17.70000076	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Benzo(a)anthracene	35.79999924	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72963	ORGANIC	Benzo(a)pyrene	0.043900002	MG/KG		SVOC	SW-846:8270C	
5523S	RE16-06-71167	ORGANIC	Benzo(a)pyrene	0.060800001	MG/KG	J	SVOC	SW-846:8270C	
5563S	RE16-06-71172	ORGANIC	Benzo(a)pyrene	0.066100001	MG/KG		SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Benzo(a)pyrene	0.066200003	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71150	ORGANIC	Benzo(a)pyrene	0.141000003	MG/KG		SVOC	SW-846:8270C	
5937S	RE16-06-71183	ORGANIC	Benzo(a)pyrene	0.152999997	MG/KG		SVOC	SW-846:8270C	
5933S	RE16-06-72968	ORGANIC	Benzo(a)pyrene	0.223000005	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Benzo(a)pyrene	0.55400002	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Benzo(a)pyrene	0.657000005	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Benzo(a)pyrene	1.769999981	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Benzo(a)pyrene	3.349999905	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Benzo(a)pyrene	3.450000048	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Benzo(a)pyrene	5.239999771	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Benzo(a)pyrene	10	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Benzo(a)pyrene	29.10000038	MG/KG		SVOC	SW-846:8270C	

5640S	RE16-06-72963	ORGANIC	Benzo(b)fluoranthene	0.032499999	MG/KG	J	SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Benzo(b)fluoranthene	0.070500001	MG/KG		SVOC	SW-846:8270C	
5563S	RE16-06-71172	ORGANIC	Benzo(b)fluoranthene	0.079599999	MG/KG		SVOC	SW-846:8270C	
5937S	RE16-06-71181	ORGANIC	Benzo(b)fluoranthene	0.108000003	MG/KG		SVOC	SW-846:8270C	
5523S	RE16-06-71167	ORGANIC	Benzo(b)fluoranthene	0.118000001	MG/KG	J	SVOC	SW-846:8270C	
5935S	RE16-06-71150	ORGANIC	Benzo(b)fluoranthene	0.143000007	MG/KG		SVOC	SW-846:8270C	
5937S	RE16-06-71183	ORGANIC	Benzo(b)fluoranthene	0.153999999	MG/KG		SVOC	SW-846:8270C	
5933S	RE16-06-72968	ORGANIC	Benzo(b)fluoranthene	0.254000008	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Benzo(b)fluoranthene	1.139999986	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Benzo(b)fluoranthene	2	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Benzo(b)fluoranthene	6	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Benzo(b)fluoranthene	6.090000153	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Benzo(b)fluoranthene	9.710000038	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Benzo(b)fluoranthene	16	MG/KG	J	SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Benzo(b)fluoranthene	36.29999924	MG/KG		SVOC	SW-846:8270C	
5563S	RE16-06-71172	ORGANIC	Benzo(g,h,i)perylene	0.033799998	MG/KG	J	SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Benzo(g,h,i)perylene	0.055799998	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Benzo(g,h,i)perylene	0.428000003	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Benzo(g,h,i)perylene	0.518999994	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Benzo(g,h,i)perylene	0.998000026	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Benzo(g,h,i)perylene	1.320000052	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Benzo(g,h,i)perylene	1.580000043	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Benzo(g,h,i)perylene	2.369999886	MG/KG	J	SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Benzo(g,h,i)perylene	10.80000019	MG/KG		SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Benzo(k)fluoranthene	0.035100002	MG/KG		SVOC	SW-846:8270C	
5937S	RE16-06-71183	ORGANIC	Benzo(k)fluoranthene	0.095799997	MG/KG	J	SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Benzo(k)fluoranthene	1.00999999	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Benzo(k)fluoranthene	1.450000048	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Benzo(k)fluoranthene	11.89999962	MG/KG		SVOC	SW-846:8270C	
5733S	RE61-06-71538	INORGANIC	Beryllium	0.243000001	MG/KG		METALS	SW-846:6020	
5733S	RE61-06-71535	INORGANIC	Beryllium	0.247999996	MG/KG		METALS	SW-846:6020	
5733S	RE61-06-71537	INORGANIC	Beryllium	0.300000012	MG/KG		METALS	SW-846:6020	
5746S	RE61-06-71534	INORGANIC	Beryllium	0.326000005	MG/KG		METALS	SW-846:6020	
5532S	RE16-06-71191	INORGANIC	Beryllium	0.347000003	MG/KG		METALS	SW-846:6020	
5733S	RE61-06-71529	INORGANIC	Beryllium	0.34799999	MG/KG		METALS	SW-846:6020	
5744S	RE61-06-73164	INORGANIC	Beryllium	0.360000014	MG/KG		METALS	SW-846:6020	
5523S	RE16-06-71165	INORGANIC	Beryllium	0.388999999	MG/KG		METALS	SW-846:6020	
5532S	RE16-06-71192	INORGANIC	Beryllium	0.405000001	MG/KG		METALS	SW-846:6020	
5733S	RE61-06-71536	INORGANIC	Beryllium	0.421999991	MG/KG		METALS	SW-846:6020	
5867S	RE16-06-71149	INORGANIC	Beryllium	0.432000011	MG/KG		METALS	SW-846:6020	
5933S	RE16-06-72968	INORGANIC	Beryllium	0.448000014	MG/KG	J-	METALS	SW-846:6020	
5746S	RE61-06-71533	INORGANIC	Beryllium	0.456999987	MG/KG		METALS	SW-846:6020	

5867S	RE16-06-71147	INORGANIC	Beryllium	0.476999998	MG/KG		METALS	SW-846:6020	
5744S	RE61-06-73162	INORGANIC	Beryllium	0.477999985	MG/KG		METALS	SW-846:6020	
6083S	RE61-06-71548	INORGANIC	Beryllium	0.479000002	MG/KG		METALS	SW-846:6020	
5867S	RE16-06-71145	INORGANIC	Beryllium	0.486000001	MG/KG		METALS	SW-846:6020	
5867S	RE16-06-71151	INORGANIC	Beryllium	0.505999982	MG/KG		METALS	SW-846:6020	
5640S	RE16-06-72967	INORGANIC	Beryllium	0.545000017	MG/KG		METALS	SW-846:6020	
6512S	RE16-06-72965	INORGANIC	Beryllium	0.555000007	MG/KG		METALS	SW-846:6020	
5523S	RE16-06-71167	INORGANIC	Beryllium	0.64200002	MG/KG		METALS	SW-846:6020	
6512S	RE16-06-72966	INORGANIC	Beryllium	0.658999979	MG/KG		METALS	SW-846:6020	
5733S	RE61-06-71532	INORGANIC	Beryllium	0.688000023	MG/KG		METALS	SW-846:6020	
6425S	RE61-06-73167	INORGANIC	Beryllium	0.693000019	MG/KG		METALS	SW-846:6020	
5938S	RE16-06-71183	INORGANIC	Beryllium	0.717000008	MG/KG	J-	METALS	SW-846:6020	
5523S	RE16-06-71166	INORGANIC	Beryllium	0.750999987	MG/KG		METALS	SW-846:6020	
5938S	RE16-06-71182	INORGANIC	Beryllium	0.785000026	MG/KG	J-	METALS	SW-846:6020	
5936S	RE16-06-71150	INORGANIC	Beryllium	0.79400003	MG/KG	J-	METALS	SW-846:6020	
5733S	RE61-06-71531	INORGANIC	Beryllium	0.814999998	MG/KG		METALS	SW-846:6020	
5744S	RE61-06-73166	INORGANIC	Beryllium	0.832000017	MG/KG		METALS	SW-846:6020	
6425S	RE61-06-73165	INORGANIC	Beryllium	0.851000011	MG/KG		METALS	SW-846:6020	
5563S	RE16-06-71174	INORGANIC	Beryllium	0.908999979	MG/KG		METALS	SW-846:6020	
5435S	RE16-06-71163	INORGANIC	Beryllium	0.921999991	MG/KG		METALS	SW-846:6020	
5640S	RE16-06-72969	INORGANIC	Beryllium	0.925000012	MG/KG		METALS	SW-846:6020	
5563S	RE16-06-71172	INORGANIC	Beryllium	0.925999999	MG/KG		METALS	SW-846:6020	
5936S	RE16-06-71152	INORGANIC	Beryllium	0.93900001	MG/KG	J-	METALS	SW-846:6020	
6425S	RE61-06-73168	INORGANIC	Beryllium	0.947000027	MG/KG		METALS	SW-846:6020	
5936S	RE16-06-71148	INORGANIC	Beryllium	0.981000006	MG/KG	J-	METALS	SW-846:6020	
5640S	RE16-06-72963	INORGANIC	Beryllium	1.00999999	MG/KG		METALS	SW-846:6020	
5744S	RE61-06-73161	INORGANIC	Beryllium	1.110000014	MG/KG		METALS	SW-846:6020	
5936S	RE16-06-71146	INORGANIC	Beryllium	1.129999995	MG/KG	J-	METALS	SW-846:6020	
5563S	RE16-06-71169	INORGANIC	Beryllium	1.149999976	MG/KG		METALS	SW-846:6020	
5640S	RE16-06-72962	INORGANIC	Beryllium	1.210000038	MG/KG		METALS	SW-846:6020	
5523S	RE16-06-71168	INORGANIC	Beryllium	1.220000029	MG/KG		METALS	SW-846:6020	
5938S	RE16-06-71181	INORGANIC	Beryllium	1.25999999	MG/KG	J-	METALS	SW-846:6020	
5933S	RE16-06-72968	ORGANIC	Bis(2-ethylhexyl)phthalate	0.166999996	MG/KG	J	SVOC	SW-846:8270C	
5732S	RE61-06-71529	ORGANIC	Butanone[2-]	0.00565	MG/KG	J	VOC	SW-846:8260B	
6512S	RE16-06-72966	ORGANIC	Butanone[2-]	0.00594	MG/KG		VOC	SW-846:8260B	
5745S	RE61-06-71534	ORGANIC	Butanone[2-]	0.221000001	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71536	ORGANIC	Butylbenzene[sec-]	8.739999771	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71535	ORGANIC	Butylbenzene[sec-]	9.399999619	MG/KG		VOC	SW-846:8260B	
5532S	RE16-06-71192	INORGANIC	Cadmium	0.0995	MG/KG	J	METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Cadmium	0.108999997	MG/KG	J	METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Cadmium	0.111000001	MG/KG	J	METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Cadmium	0.159999996	MG/KG	J	METALS	SW-846:6010B	

5523S	RE16-06-71166	INORGANIC	Cadmium	0.164000005	MG/KG	J	METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Cadmium	0.182999998	MG/KG	J	METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Cadmium	0.184	MG/KG	J	METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Cadmium	0.188999996	MG/KG	J	METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Cadmium	0.199000001	MG/KG	J	METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Cadmium	0.206	MG/KG	J	METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Cadmium	0.213	MG/KG	J	METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Cadmium	0.241999999	MG/KG	J	METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Cadmium	0.266000003	MG/KG	J	METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Cadmium	0.268000007	MG/KG	J	METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Cadmium	0.370999992	MG/KG	J	METALS	SW-846:6010B	
5746S	RE61-06-71533	INORGANIC	Calcium	241	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Calcium	245	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Calcium	716	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Calcium	717	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Calcium	750	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Calcium	764	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Calcium	965	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Calcium	1060	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Calcium	1130	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Calcium	1130	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Calcium	1230	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Calcium	1250	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Calcium	1290	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Calcium	1400	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Calcium	1420	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Calcium	1460	MG/KG	J+	METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Calcium	1520	MG/KG	J+	METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Calcium	1600	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Calcium	1610	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Calcium	1630	MG/KG	J+	METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Calcium	1670	MG/KG	J+	METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Calcium	1710	MG/KG	J+	METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Calcium	1730	MG/KG	J-	METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Calcium	1790	MG/KG	J-	METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Calcium	1800	MG/KG	J+	METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Calcium	1840	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Calcium	1890	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Calcium	2110	MG/KG	J+	METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Calcium	2150	MG/KG	J-	METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Calcium	2160	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Calcium	2300	MG/KG		METALS	SW-846:6010B	

5640S	RE16-06-72969	INORGANIC	Calcium	2310	MG/KG	J+	METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Calcium	2310	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Calcium	2640	MG/KG	J+	METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Calcium	3190	MG/KG	J+	METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Calcium	3260	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Calcium	3350	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Calcium	4180	MG/KG	J+	METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Calcium	4310	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Calcium	4430	MG/KG	J+	METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Calcium	6140	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Calcium	6180	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Calcium	8220	MG/KG		METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Calcium	13600	MG/KG	J+	METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Calcium	17500	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71533	INORGANIC	Chromium	0.323000014	MG/KG	J	METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Chromium	1.809999943	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Chromium	2.339999914	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Chromium	2.640000105	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Chromium	2.880000114	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Chromium	3.309999943	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Chromium	3.380000114	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Chromium	4.170000076	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Chromium	4.329999924	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Chromium	4.440000057	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Chromium	5.670000076	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Chromium	6.130000114	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Chromium	6.260000229	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Chromium	6.900000095	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Chromium	7.300000191	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Chromium	7.869999886	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Chromium	8.090000153	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Chromium	8.119999886	MG/KG		METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Chromium	8.270000458	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Chromium	8.329999924	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Chromium	8.399999619	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Chromium	8.619999886	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Chromium	8.640000343	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Chromium	9.020000458	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Chromium	9.670000076	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Chromium	9.920000076	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Chromium	10.19999981	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Chromium	10.39999962	MG/KG		METALS	SW-846:6010B	

5936S	RE16-06-71150	INORGANIC	Chromium	10.39999962	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Chromium	10.39999962	MG/KG		METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Chromium	10.5	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Chromium	10.5	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Chromium	10.80000019	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Chromium	11.30000019	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Chromium	11.39999962	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Chromium	11.39999962	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Chromium	11.69999981	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Chromium	11.80000019	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Chromium	11.89999962	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Chromium	12.19999981	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Chromium	13.19999981	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Chromium	13.30000019	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Chromium	13.5	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Chromium	14.30000019	MG/KG		METALS	SW-846:6010B	
5935S	RE16-06-71150	ORGANIC	Chrysene	0.0167	MG/KG	J	SVOC	SW-846:8270C	
5937S	RE16-06-71181	ORGANIC	Chrysene	0.031099999	MG/KG	J	SVOC	SW-846:8270C	
5937S	RE16-06-71183	ORGANIC	Chrysene	0.046500001	MG/KG		SVOC	SW-846:8270C	
5563S	RE16-06-71172	ORGANIC	Chrysene	0.0625	MG/KG		SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Chrysene	0.067900002	MG/KG		SVOC	SW-846:8270C	
5523S	RE16-06-71167	ORGANIC	Chrysene	0.079000004	MG/KG		SVOC	SW-846:8270C	
5933S	RE16-06-72968	ORGANIC	Chrysene	0.096199997	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Chrysene	0.94599998	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Chrysene	0.976000011	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Chrysene	1.899999976	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Chrysene	4.190000057	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Chrysene	4.389999866	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Chrysene	7.679999828	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Chrysene	17.39999962	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Chrysene	37	MG/KG		SVOC	SW-846:8270C	
5733S	RE61-06-71531	INORGANIC	Cobalt	0.412999988	MG/KG	J	METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Cobalt	0.698000014	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Cobalt	0.72299999	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Cobalt	0.75	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Cobalt	0.855000019	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Cobalt	0.898999989	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Cobalt	0.949999988	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Cobalt	0.963999987	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Cobalt	1.090000033	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Cobalt	1.169999957	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Cobalt	1.409999967	MG/KG		METALS	SW-846:6010B	

5733S	RE61-06-71529	INORGANIC	Cobalt	1.470000029	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Cobalt	2.160000086	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Cobalt	2.349999905	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Cobalt	2.50999999	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Cobalt	2.549999952	MG/KG		METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Cobalt	3.130000114	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Cobalt	3.160000086	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Cobalt	3.25999999	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Cobalt	3.529999971	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Cobalt	3.799999952	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Cobalt	4.050000191	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Cobalt	4.059999943	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Cobalt	4.269999981	MG/KG		METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Cobalt	4.349999905	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Cobalt	4.400000095	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Cobalt	4.409999847	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Cobalt	4.480000019	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Cobalt	4.579999924	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Cobalt	4.809999943	MG/KG	J	METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Cobalt	4.889999866	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Cobalt	4.940000057	MG/KG	J	METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Cobalt	5.019999981	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Cobalt	5.070000172	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Cobalt	5.150000095	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Cobalt	5.170000076	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Cobalt	5.179999828	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Cobalt	5.409999847	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Cobalt	6.139999866	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Cobalt	6.260000229	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Cobalt	6.389999866	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Cobalt	7.25	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Cobalt	14.39999962	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Copper	0.578000009	MG/KG	J	METALS	SW-846:6010B	
5746S	RE61-06-71533	INORGANIC	Copper	0.639999986	MG/KG	J	METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Copper	0.665000021	MG/KG	J	METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Copper	0.936999977	MG/KG	J	METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Copper	1.159999967	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Copper	1.190000057	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Copper	1.419999957	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Copper	1.529999971	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Copper	1.889999986	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Copper	2.190000057	MG/KG		METALS	SW-846:6010B	

5523S	RE16-06-71165	INORGANIC	Copper	2.880000114	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Copper	2.900000095	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Copper	3.769999981	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Copper	4.579999924	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Copper	5.159999847	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Copper	5.519999981	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Copper	5.610000134	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Copper	5.760000229	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Copper	5.96999979	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Copper	6.289999962	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Copper	6.789999962	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Copper	6.809999943	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Copper	6.820000172	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Copper	6.920000076	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Copper	6.989999771	MG/KG		METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Copper	7.110000134	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Copper	7.340000153	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Copper	7.550000191	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Copper	7.989999771	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Copper	8.020000458	MG/KG		METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Copper	8.050000191	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Copper	8.31000042	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Copper	8.380000114	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Copper	8.460000038	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Copper	8.899999619	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Copper	8.920000076	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Copper	9.640000343	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Copper	9.670000076	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Copper	9.850000381	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Copper	9.93999958	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Copper	10.30000019	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Copper	10.30000019	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Copper	10.39999962	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Copper	11.39999962	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Copper	61	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	ORGANIC	Dibenz(a,h)anthracene	0.031099999	MG/KG	J	SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Dibenz(a,h)anthracene	0.330000013	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Dibenzofuran	0.097800002	MG/KG	J	SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Dibenzofuran	0.169	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Dibenzofuran	0.172000006	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Dibenzofuran	0.272000015	MG/KG	J	SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Dibenzofuran	0.5	MG/KG		SVOC	SW-846:8270C	

5866S	RE16-06-71147	ORGANIC	Dibenzofuran	0.856000006	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Dibenzofuran	12.30000019	MG/KG		SVOC	SW-846:8270C	
5743S	RE61-06-73161	ORGANIC	Dibromoethane[1,2-]	0.000509	MG/KG	J	VOC	SW-846:8260B	
5640S	RE16-06-72967	ORGANIC	Dichloroethene[1,1-]	0.000557	MG/KG	J	VOC	SW-846:8260B	
5732S	RE61-06-71536	ORGANIC	Ethylbenzene	47.79999924	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71535	ORGANIC	Ethylbenzene	51.5	MG/KG		VOC	SW-846:8260B	
5935S	RE16-06-71148	ORGANIC	Fluoranthene	0.0127	MG/KG	J	SVOC	SW-846:8270C	
5640S	RE16-06-72963	ORGANIC	Fluoranthene	0.0133	MG/KG	J	SVOC	SW-846:8270C	
6512S	RE16-06-72966	ORGANIC	Fluoranthene	0.015900001	MG/KG	J	SVOC	SW-846:8270C	
5937S	RE16-06-71182	ORGANIC	Fluoranthene	0.018200001	MG/KG	J	SVOC	SW-846:8270C	
5935S	RE16-06-71150	ORGANIC	Fluoranthene	0.041299999	MG/KG		SVOC	SW-846:8270C	
5937S	RE16-06-71183	ORGANIC	Fluoranthene	0.082699999	MG/KG		SVOC	SW-846:8270C	
5563S	RE16-06-71172	ORGANIC	Fluoranthene	0.097900003	MG/KG		SVOC	SW-846:8270C	
5523S	RE16-06-71167	ORGANIC	Fluoranthene	0.158000007	MG/KG		SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Fluoranthene	0.162	MG/KG		SVOC	SW-846:8270C	
5933S	RE16-06-72968	ORGANIC	Fluoranthene	0.179000005	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Fluoranthene	1.870000005	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Fluoranthene	2.269999981	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Fluoranthene	4.590000153	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Fluoranthene	10	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Fluoranthene	10.89999962	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Fluoranthene	23	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Fluoranthene	29.79999924	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Fluoranthene	102	MG/KG		SVOC	SW-846:8270C	
5523S	RE16-06-71167	ORGANIC	Fluorene	0.0121	MG/KG	J	SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Fluorene	0.0164	MG/KG	J	SVOC	SW-846:8270C	
5933S	RE16-06-72968	ORGANIC	Fluorene	0.089599997	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Fluorene	0.131999999	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Fluorene	0.303000003	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Fluorene	0.31400001	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Fluorene	0.472000003	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Fluorene	0.954999983	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Fluorene	1.070000052	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Fluorene	1.820000052	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Fluorene	20.89999962	MG/KG		SVOC	SW-846:8270C	
5745S	RE61-06-71534	ORGANIC	Hexanone[2-]	0.037099998	MG/KG	J	VOC	SW-846:8260B	
5563S	RE16-06-71172	ORGANIC	Indeno(1,2,3-cd)pyrene	0.032299999	MG/KG	J	SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Indeno(1,2,3-cd)pyrene	0.045699999	MG/KG		SVOC	SW-846:8270C	
5937S	RE16-06-71183	ORGANIC	Indeno(1,2,3-cd)pyrene	0.116999999	MG/KG	J	SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Indeno(1,2,3-cd)pyrene	0.425000012	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Indeno(1,2,3-cd)pyrene	0.439999998	MG/KG	J	SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Indeno(1,2,3-cd)pyrene	0.966000021	MG/KG		SVOC	SW-846:8270C	

5866S	RE16-06-71151	ORGANIC	Indeno(1,2,3-cd)pyrene	1.440000057	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Indeno(1,2,3-cd)pyrene	1.659999967	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Indeno(1,2,3-cd)pyrene	2.559999943	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Indeno(1,2,3-cd)pyrene	3.109999895	MG/KG	J	SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Indeno(1,2,3-cd)pyrene	11.10000038	MG/KG		SVOC	SW-846:8270C	
5733S	RE61-06-71531	INORGANIC	Iron	4740	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Iron	4850	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71533	INORGANIC	Iron	5000	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Iron	6250	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Iron	7740	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Iron	7780	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Iron	7950	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Iron	8110	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Iron	8430	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Iron	8610	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Iron	9040	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Iron	9420	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Iron	10700	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Iron	11100	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Iron	11300	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Iron	11400	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Iron	11900	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Iron	11900	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Iron	12000	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Iron	12100	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Iron	12400	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Iron	12600	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Iron	12600	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Iron	12800	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Iron	12900	MG/KG	J+	METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Iron	12900	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Iron	13000	MG/KG		METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Iron	13500	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Iron	13700	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Iron	13900	MG/KG		METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Iron	14400	MG/KG	J-	METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Iron	14800	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Iron	15500	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Iron	15600	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Iron	16400	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Iron	16700	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Iron	16700	MG/KG		METALS	SW-846:6010B	

5936S	RE16-06-71150	INORGANIC	Iron	16800	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Iron	16800	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Iron	18300	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Iron	18500	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Iron	18600	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Iron	18900	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Iron	20800	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Iron	22200	MG/KG		METALS	SW-846:6010B	
5732S	RE61-06-71536	ORGANIC	Isopropylbenzene	10.89999962	MG/KG		VOC	SW-846:8260B	
5744S	RE61-06-73164	INORGANIC	Lead	4.349999905	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Lead	4.710000038	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Lead	5.25	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Lead	5.840000153	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Lead	5.940000057	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Lead	6.409999847	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Lead	6.480000019	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Lead	7.179999828	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Lead	7.739999771	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Lead	7.809999943	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Lead	8.180000305	MG/KG		METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Lead	8.350000381	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Lead	8.800000191	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Lead	9.81000042	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Lead	9.850000381	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Lead	10	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Lead	10.10000038	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Lead	10.19999981	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Lead	10.39999962	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Lead	10.69999981	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Lead	11	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Lead	11.10000038	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Lead	11.39999962	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Lead	11.5	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Lead	11.5	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Lead	11.69999981	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Lead	12.39999962	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Lead	12.5	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Lead	12.80000019	MG/KG		METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Lead	13.10000038	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Lead	13.19999981	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Lead	13.30000019	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Lead	13.39999962	MG/KG		METALS	SW-846:6010B	

5563S	RE16-06-71172	INORGANIC	Lead	13.5	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Lead	15.39999962	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Lead	15.5	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Lead	17.39999962	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71533	INORGANIC	Lead	17.60000038	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Lead	23	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Lead	26	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Lead	31.29999924	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Lead	33.70000076	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Lead	45	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Lead	52.5	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Lead	69.30000305	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Magnesium	101	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71533	INORGANIC	Magnesium	109	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Magnesium	570	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Magnesium	620	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Magnesium	770	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Magnesium	852	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Magnesium	876	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Magnesium	904	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Magnesium	906	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Magnesium	925	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Magnesium	1060	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Magnesium	1220	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Magnesium	1320	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Magnesium	1430	MG/KG	J+	METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Magnesium	1430	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Magnesium	1480	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Magnesium	1580	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Magnesium	1590	MG/KG	J+	METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Magnesium	1680	MG/KG	J+	METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Magnesium	1730	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Magnesium	1760	MG/KG	J+	METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Magnesium	1790	MG/KG	J+	METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Magnesium	1800	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Magnesium	1810	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Magnesium	1840	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Magnesium	1870	MG/KG	J+	METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Magnesium	1890	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Magnesium	1980	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Magnesium	2150	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Magnesium	2240	MG/KG		METALS	SW-846:6010B	

5563S	RE16-06-71174	INORGANIC	Magnesium	2330	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Magnesium	2340	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Magnesium	2370	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Magnesium	2400	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Magnesium	2410	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Magnesium	2420	MG/KG	J+	METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Magnesium	2440	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Magnesium	2530	MG/KG	J+	METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Magnesium	2730	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Magnesium	2930	MG/KG	J+	METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Magnesium	2970	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Magnesium	3010	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Magnesium	3070	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Magnesium	3170	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Magnesium	3240	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Manganese	30.70000076	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Manganese	90.09999847	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Manganese	92.40000153	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Manganese	109	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Manganese	116	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Manganese	117	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Manganese	141	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Manganese	145	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Manganese	180	MG/KG	J	METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Manganese	198	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Manganese	212	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Manganese	217	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Manganese	217	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Manganese	218	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Manganese	221	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Manganese	225	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Manganese	235	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71533	INORGANIC	Manganese	240	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Manganese	248	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Manganese	256	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Manganese	263	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Manganese	282	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Manganese	285	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Manganese	289	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Manganese	290	MG/KG		METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Manganese	296	MG/KG	J	METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Manganese	300	MG/KG		METALS	SW-846:6010B	

5563S	RE16-06-71169	INORGANIC	Manganese	302	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Manganese	309	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Manganese	317	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Manganese	324	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Manganese	331	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Manganese	339	MG/KG		METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Manganese	359	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Manganese	363	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Manganese	370	MG/KG	J	METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Manganese	376	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Manganese	378	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Manganese	382	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Manganese	387	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Manganese	403	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Manganese	448	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Manganese	461	MG/KG	J	METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Manganese	541	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Manganese	1060	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Mercury	0.0029	MG/KG	J	METALS	SW-846:7471A	
5746S	RE61-06-71534	INORGANIC	Mercury	0.0029	MG/KG	J	METALS	SW-846:7471A	
5733S	RE61-06-71536	INORGANIC	Mercury	0.003	MG/KG	J	METALS	SW-846:7471A	
5733S	RE61-06-71529	INORGANIC	Mercury	0.0036	MG/KG	J	METALS	SW-846:7471A	
6083S	RE61-06-71548	INORGANIC	Mercury	0.0039	MG/KG	J	METALS	SW-846:7471A	
5523S	RE16-06-71165	INORGANIC	Mercury	0.005	MG/KG	J	METALS	SW-846:7471A	
5532S	RE16-06-71191	INORGANIC	Mercury	0.0058	MG/KG	J	METALS	SW-846:7471A	
5733S	RE61-06-71532	INORGANIC	Mercury	0.0063	MG/KG	J	METALS	SW-846:7471A	
6425S	RE61-06-73165	INORGANIC	Mercury	0.0066	MG/KG	J	METALS	SW-846:7471A	
5733S	RE61-06-71531	INORGANIC	Mercury	0.0069	MG/KG	J	METALS	SW-846:7471A	
5744S	RE61-06-73161	INORGANIC	Mercury	0.0089	MG/KG	J	METALS	SW-846:7471A	
5523S	RE16-06-71167	INORGANIC	Mercury	0.0091	MG/KG	J	METALS	SW-846:7471A	
5933S	RE16-06-72968	INORGANIC	Mercury	0.0095	MG/KG	J	METALS	SW-846:7471A	
5532S	RE16-06-71192	INORGANIC	Mercury	0.0101	MG/KG		METALS	SW-846:7471A	
5523S	RE16-06-71166	INORGANIC	Mercury	0.0102	MG/KG	J	METALS	SW-846:7471A	
5523S	RE16-06-71168	INORGANIC	Mercury	0.0103	MG/KG	J	METALS	SW-846:7471A	
6512S	RE16-06-72966	INORGANIC	Mercury	0.011	MG/KG	J-	METALS	SW-846:7471A	
5640S	RE16-06-72962	INORGANIC	Mercury	0.0117	MG/KG	J	METALS	SW-846:7471A	
5938S	RE16-06-71182	INORGANIC	Mercury	0.0123	MG/KG		METALS	SW-846:7471A	
5936S	RE16-06-71150	INORGANIC	Mercury	0.0127	MG/KG		METALS	SW-846:7471A	
5936S	RE16-06-71152	INORGANIC	Mercury	0.0133	MG/KG		METALS	SW-846:7471A	
5435S	RE16-06-71163	INORGANIC	Mercury	0.0139	MG/KG		METALS	SW-846:7471A	
5867S	RE16-06-71149	INORGANIC	Mercury	0.0139	MG/KG		METALS	SW-846:7471A	
5744S	RE61-06-73166	INORGANIC	Mercury	0.0151	MG/KG		METALS	SW-846:7471A	

5936S	RE16-06-71148	INORGANIC	Mercury	0.0155	MG/KG		METALS	SW-846:7471A	
5744S	RE61-06-73162	INORGANIC	Mercury	0.015799999	MG/KG		METALS	SW-846:7471A	
5640S	RE16-06-72969	INORGANIC	Mercury	0.015900001	MG/KG		METALS	SW-846:7471A	
5867S	RE16-06-71151	INORGANIC	Mercury	0.016000001	MG/KG		METALS	SW-846:7471A	
5938S	RE16-06-71181	INORGANIC	Mercury	0.016000001	MG/KG		METALS	SW-846:7471A	
5938S	RE16-06-71183	INORGANIC	Mercury	0.0162	MG/KG		METALS	SW-846:7471A	
5563S	RE16-06-71169	INORGANIC	Mercury	0.0163	MG/KG		METALS	SW-846:7471A	
6425S	RE61-06-73168	INORGANIC	Mercury	0.016799999	MG/KG		METALS	SW-846:7471A	
5640S	RE16-06-72967	INORGANIC	Mercury	0.0175	MG/KG		METALS	SW-846:7471A	
5640S	RE16-06-72963	INORGANIC	Mercury	0.017899999	MG/KG		METALS	SW-846:7471A	
5936S	RE16-06-71146	INORGANIC	Mercury	0.0184	MG/KG		METALS	SW-846:7471A	
5563S	RE16-06-71174	INORGANIC	Mercury	0.0187	MG/KG		METALS	SW-846:7471A	
5563S	RE16-06-71172	INORGANIC	Mercury	0.018999999	MG/KG		METALS	SW-846:7471A	
5867S	RE16-06-71145	INORGANIC	Mercury	0.0198	MG/KG		METALS	SW-846:7471A	
5867S	RE16-06-71147	INORGANIC	Mercury	0.021600001	MG/KG		METALS	SW-846:7471A	
6512S	RE16-06-72965	INORGANIC	Mercury	0.282000005	MG/KG	J-	METALS	SW-846:7471A	
5745S	RE61-06-71534	ORGANIC	Methyl-2-pentanone[4-]	0.0108	MG/KG		VOC	SW-846:8260B	
5745S	RE61-06-71533	ORGANIC	Methylene Chloride	0.00229	MG/KG	J	VOC	SW-846:8260B	
6424S	RE61-06-73168	ORGANIC	Methylene Chloride	0.0067	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71538	ORGANIC	Methylnaphthalene[2-]	0.00751	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Methylnaphthalene[2-]	0.0106	MG/KG	J	SVOC	SW-846:8270C	
5732S	RE61-06-71537	ORGANIC	Methylnaphthalene[2-]	0.0184	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Methylnaphthalene[2-]	0.030999999	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Methylnaphthalene[2-]	0.053300001	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Methylnaphthalene[2-]	0.072700001	MG/KG		SVOC	SW-846:8270C	
5933S	RE16-06-72968	ORGANIC	Methylnaphthalene[2-]	0.089199997	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Methylnaphthalene[2-]	0.095200002	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Methylnaphthalene[2-]	0.171000004	MG/KG		SVOC	SW-846:8270C	
5532S	RE16-06-71192	ORGANIC	Methylnaphthalene[2-]	0.356000006	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Methylnaphthalene[2-]	0.360000014	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Methylnaphthalene[2-]	8.659999847	MG/KG		SVOC	SW-846:8270C	
5732S	RE61-06-71536	ORGANIC	Methylnaphthalene[2-]	78.90000153	MG/KG		SVOC	SW-846:8270C	
5732S	RE61-06-71535	ORGANIC	Methylnaphthalene[2-]	82.09999847	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Methylphenol[4-]	0.888000011	MG/KG	J	SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Naphthalene	0.0121	MG/KG	J	SVOC	SW-846:8270C	
5732S	RE61-06-71537	ORGANIC	Naphthalene	0.017899999	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Naphthalene	0.0198	MG/KG	J	SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Naphthalene	0.064199999	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Naphthalene	0.070600003	MG/KG		SVOC	SW-846:8270C	
5532S	RE16-06-71192	ORGANIC	Naphthalene	0.077299997	MG/KG	J	SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Naphthalene	0.291999996	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Naphthalene	0.467999995	MG/KG		SVOC	SW-846:8270C	

5435S	RE16-06-71163	ORGANIC	Naphthalene	1.110000014	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Naphthalene	34.5	MG/KG		SVOC	SW-846:8270C	
5732S	RE61-06-71535	ORGANIC	Naphthalene	66.40000153	MG/KG		SVOC	SW-846:8270C	
5732S	RE61-06-71536	ORGANIC	Naphthalene	71.19999695	MG/KG		SVOC	SW-846:8270C	
5746S	RE61-06-71533	INORGANIC	Nickel	0.25	MG/KG	J	METALS	SW-846:6020	
5733S	RE61-06-71538	INORGANIC	Nickel	0.398999989	MG/KG	J	METALS	SW-846:6020	
5733S	RE61-06-71537	INORGANIC	Nickel	1.24000001	MG/KG		METALS	SW-846:6020	
5733S	RE61-06-71535	INORGANIC	Nickel	1.669999957	MG/KG		METALS	SW-846:6020	
5746S	RE61-06-71534	INORGANIC	Nickel	1.679999948	MG/KG		METALS	SW-846:6020	
5733S	RE61-06-71536	INORGANIC	Nickel	2.289999962	MG/KG		METALS	SW-846:6020	
5744S	RE61-06-73164	INORGANIC	Nickel	2.50999999	MG/KG		METALS	SW-846:6020	
5733S	RE61-06-71531	INORGANIC	Nickel	2.559999943	MG/KG		METALS	SW-846:6020	
6425S	RE61-06-73167	INORGANIC	Nickel	2.579999924	MG/KG		METALS	SW-846:6020	
6083S	RE61-06-71548	INORGANIC	Nickel	2.75999999	MG/KG	J-	METALS	SW-846:6020	
5744S	RE61-06-73162	INORGANIC	Nickel	2.75999999	MG/KG		METALS	SW-846:6020	
5523S	RE16-06-71165	INORGANIC	Nickel	2.789999962	MG/KG		METALS	SW-846:6020	
5867S	RE16-06-71149	INORGANIC	Nickel	3.980000019	MG/KG	J-	METALS	SW-846:6020	
5744S	RE61-06-73166	INORGANIC	Nickel	4.570000172	MG/KG		METALS	SW-846:6020	
5933S	RE16-06-72968	INORGANIC	Nickel	4.619999886	MG/KG	J-	METALS	SW-846:6020	
5867S	RE16-06-71151	INORGANIC	Nickel	4.699999809	MG/KG	J-	METALS	SW-846:6020	
5744S	RE61-06-73161	INORGANIC	Nickel	4.739999771	MG/KG		METALS	SW-846:6020	
6512S	RE16-06-72965	INORGANIC	Nickel	5.010000229	MG/KG		METALS	SW-846:6020	
5532S	RE16-06-71192	INORGANIC	Nickel	5.329999924	MG/KG	J+	METALS	SW-846:6020	
5532S	RE16-06-71191	INORGANIC	Nickel	5.389999866	MG/KG	J+	METALS	SW-846:6020	
6512S	RE16-06-72966	INORGANIC	Nickel	5.570000172	MG/KG		METALS	SW-846:6020	
5867S	RE16-06-71147	INORGANIC	Nickel	5.599999905	MG/KG	J-	METALS	SW-846:6020	
5867S	RE16-06-71145	INORGANIC	Nickel	5.670000076	MG/KG	J-	METALS	SW-846:6020	
5938S	RE16-06-71183	INORGANIC	Nickel	5.78000021	MG/KG	J-	METALS	SW-846:6020	
5733S	RE61-06-71532	INORGANIC	Nickel	6.210000038	MG/KG		METALS	SW-846:6020	
6425S	RE61-06-73165	INORGANIC	Nickel	6.300000191	MG/KG		METALS	SW-846:6020	
5936S	RE16-06-71150	INORGANIC	Nickel	6.349999905	MG/KG	J-	METALS	SW-846:6020	
5523S	RE16-06-71166	INORGANIC	Nickel	6.449999809	MG/KG		METALS	SW-846:6020	
5938S	RE16-06-71182	INORGANIC	Nickel	6.480000019	MG/KG	J-	METALS	SW-846:6020	
5523S	RE16-06-71167	INORGANIC	Nickel	6.519999981	MG/KG		METALS	SW-846:6020	
6425S	RE61-06-73168	INORGANIC	Nickel	6.78000021	MG/KG		METALS	SW-846:6020	
5435S	RE16-06-71163	INORGANIC	Nickel	6.820000172	MG/KG		METALS	SW-846:6020	
5640S	RE16-06-72967	INORGANIC	Nickel	6.869999886	MG/KG	J-	METALS	SW-846:6020	
5640S	RE16-06-72963	INORGANIC	Nickel	7.199999809	MG/KG	J-	METALS	SW-846:6020	
5733S	RE61-06-71529	INORGANIC	Nickel	7.550000191	MG/KG		METALS	SW-846:6020	
5936S	RE16-06-71152	INORGANIC	Nickel	7.599999905	MG/KG	J-	METALS	SW-846:6020	
5640S	RE16-06-72969	INORGANIC	Nickel	7.760000229	MG/KG	J-	METALS	SW-846:6020	
5563S	RE16-06-71174	INORGANIC	Nickel	7.769999981	MG/KG		METALS	SW-846:6020	

5563S	RE16-06-71172	INORGANIC	Nickel	8.010000229	MG/KG		METALS	SW-846:6020	
5563S	RE16-06-71169	INORGANIC	Nickel	8.090000153	MG/KG		METALS	SW-846:6020	
5640S	RE16-06-72962	INORGANIC	Nickel	8.489999771	MG/KG	J-	METALS	SW-846:6020	
5936S	RE16-06-71146	INORGANIC	Nickel	8.640000343	MG/KG	J-	METALS	SW-846:6020	
5936S	RE16-06-71148	INORGANIC	Nickel	8.659999847	MG/KG	J-	METALS	SW-846:6020	
5523S	RE16-06-71168	INORGANIC	Nickel	8.840000153	MG/KG		METALS	SW-846:6020	
5938S	RE16-06-71181	INORGANIC	Nickel	11.89999962	MG/KG	J-	METALS	SW-846:6020	
5867S	RE16-06-71145	INORGANIC	Perchlorate	0.000705	MG/KG	J	PERCHLO	SW-846:6850	
5867S	RE16-06-71149	INORGANIC	Perchlorate	0.000852	MG/KG	J	PERCHLO	SW-846:6850	
5867S	RE16-06-71147	INORGANIC	Perchlorate	0.00124	MG/KG	J	PERCHLO	SW-846:6850	
5938S	RE16-06-71181	INORGANIC	Perchlorate	0.00131	MG/KG	J	PERCHLO	SW-846:6850	
5936S	RE16-06-71150	INORGANIC	Perchlorate	0.00142	MG/KG	J	PERCHLO	SW-846:6850	
5938S	RE16-06-71182	INORGANIC	Perchlorate	0.00203	MG/KG	J	PERCHLO	SW-846:6850	
5938S	RE16-06-71183	INORGANIC	Perchlorate	0.00267	MG/KG		PERCHLO	SW-846:6850	
5936S	RE16-06-71148	INORGANIC	Perchlorate	0.00388	MG/KG		PERCHLO	SW-846:6850	
5867S	RE16-06-71151	INORGANIC	Perchlorate	0.00416	MG/KG		PERCHLO	SW-846:6850	
5936S	RE16-06-71152	INORGANIC	Perchlorate	0.00708	MG/KG		PERCHLO	SW-846:6850	
5936S	RE16-06-71146	INORGANIC	Perchlorate	0.00733	MG/KG		PERCHLO	SW-846:6850	
5935S	RE16-06-71150	ORGANIC	Phenanthrene	0.0154	MG/KG	J	SVOC	SW-846:8270C	
5937S	RE16-06-71181	ORGANIC	Phenanthrene	0.0253	MG/KG	J	SVOC	SW-846:8270C	
5563S	RE16-06-71172	ORGANIC	Phenanthrene	0.0405	MG/KG	J	SVOC	SW-846:8270C	
5937S	RE16-06-71183	ORGANIC	Phenanthrene	0.046500001	MG/KG		SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Phenanthrene	0.136999995	MG/KG		SVOC	SW-846:8270C	
5933S	RE16-06-72968	ORGANIC	Phenanthrene	0.158999994	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Phenanthrene	1.059999943	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Phenanthrene	2.24000001	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Phenanthrene	4.5	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Phenanthrene	5.53000021	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Phenanthrene	6.309999943	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Phenanthrene	19.39999962	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Phenanthrene	22.10000038	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Phenanthrene	127	MG/KG		SVOC	SW-846:8270C	
5746S	RE61-06-71533	INORGANIC	Potassium	117	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Potassium	150	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Potassium	527	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Potassium	544	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Potassium	635	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Potassium	637	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Potassium	675	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Potassium	704	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Potassium	860	MG/KG	J	METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Potassium	931	MG/KG	J+	METALS	SW-846:6010B	

5733S	RE61-06-71536	INORGANIC	Potassium	1080	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Potassium	1180	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Potassium	1230	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Potassium	1410	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Potassium	1420	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Potassium	1470	MG/KG	J+	METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Potassium	1520	MG/KG	J+	METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Potassium	1530	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Potassium	1560	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Potassium	1580	MG/KG	J+	METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Potassium	1620	MG/KG	J+	METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Potassium	1620	MG/KG	J+	METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Potassium	1620	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Potassium	1630	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Potassium	1640	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Potassium	1660	MG/KG	J+	METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Potassium	1670	MG/KG	J+	METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Potassium	1710	MG/KG	J+	METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Potassium	1810	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Potassium	1870	MG/KG	J+	METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Potassium	1880	MG/KG	J+	METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Potassium	1940	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Potassium	2020	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Potassium	2150	MG/KG	J+	METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Potassium	2170	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Potassium	2190	MG/KG	J+	METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Potassium	2200	MG/KG	J+	METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Potassium	2220	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Potassium	2300	MG/KG	J+	METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Potassium	2430	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Potassium	2500	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Potassium	2520	MG/KG	J+	METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Potassium	2540	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Potassium	2600	MG/KG	J	METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Potassium	2630	MG/KG	J+	METALS	SW-846:6010B	
5743S	RE61-06-73161	ORGANIC	Propylbenzene[1-]	0.000274	MG/KG	J	VOC	SW-846:8260B	
5732S	RE61-06-71536	ORGANIC	Propylbenzene[1-]	52.90000153	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71535	ORGANIC	Propylbenzene[1-]	58.40000153	MG/KG		VOC	SW-846:8260B	
6424S	RE61-06-73168	ORGANIC	Pyrene	0.0129	MG/KG	J	SVOC	SW-846:8270C	
6512S	RE16-06-72966	ORGANIC	Pyrene	0.0134	MG/KG	J	SVOC	SW-846:8270C	
5935S	RE16-06-71150	ORGANIC	Pyrene	0.0294	MG/KG	J	SVOC	SW-846:8270C	
5937S	RE16-06-71181	ORGANIC	Pyrene	0.0495	MG/KG		SVOC	SW-846:8270C	

5937S	RE16-06-71183	ORGANIC	Pyrene	0.069700003	MG/KG		SVOC	SW-846:8270C	
5563S	RE16-06-71172	ORGANIC	Pyrene	0.096000001	MG/KG		SVOC	SW-846:8270C	
5532S	RE16-06-71191	ORGANIC	Pyrene	0.158000007	MG/KG		SVOC	SW-846:8270C	
5523S	RE16-06-71167	ORGANIC	Pyrene	0.181999996	MG/KG		SVOC	SW-846:8270C	
5933S	RE16-06-72968	ORGANIC	Pyrene	0.204999998	MG/KG		SVOC	SW-846:8270C	
5935S	RE16-06-71152	ORGANIC	Pyrene	1.679999948	MG/KG		SVOC	SW-846:8270C	
5640S	RE16-06-72967	ORGANIC	Pyrene	2.369999886	MG/KG		SVOC	SW-846:8270C	
5435S	RE16-06-71163	ORGANIC	Pyrene	4.110000134	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71145	ORGANIC	Pyrene	7.860000134	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71151	ORGANIC	Pyrene	9.680000305	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71147	ORGANIC	Pyrene	15.89999962	MG/KG		SVOC	SW-846:8270C	
5866S	RE16-06-71149	ORGANIC	Pyrene	30.89999962	MG/KG		SVOC	SW-846:8270C	
6512S	RE16-06-72965	ORGANIC	Pyrene	97.30000305	MG/KG		SVOC	SW-846:8270C	
5867S	RE16-06-71151	INORGANIC	Selenium	0.772000015	MG/KG	J	METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Selenium	0.779999971	MG/KG	J	METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Selenium	0.828000009	MG/KG	J	METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Selenium	0.899999976	MG/KG	J	METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Selenium	0.903999984	MG/KG	J	METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Selenium	0.943000019	MG/KG	J	METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Selenium	0.954999983	MG/KG	J	METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Selenium	0.963	MG/KG	J	METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Selenium	0.980000019	MG/KG	J	METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Selenium	0.981999993	MG/KG	J	METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Selenium	1.039999962	MG/KG	J	METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Selenium	1.100000024	MG/KG	J	METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Selenium	1.110000014	MG/KG	J	METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Selenium	1.120000005	MG/KG	J	METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Selenium	1.159999967	MG/KG	J	METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Selenium	1.169999957	MG/KG	J	METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Selenium	1.210000038	MG/KG	J	METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Selenium	1.220000029	MG/KG	J	METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Selenium	1.25	MG/KG	J	METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Selenium	1.299999952	MG/KG	J	METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Selenium	1.629999995	MG/KG	J	METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Selenium	3.920000076	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Selenium	5	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Selenium	5.860000134	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Selenium	6.5	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Selenium	7.389999866	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Selenium	8.039999962	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Selenium	8.180000305	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Selenium	8.539999962	MG/KG		METALS	SW-846:6010B	

5744S	RE61-06-73166	INORGANIC	Selenium	9.409999847	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Selenium	11.69999981	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Selenium	15.19999981	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Silver	0.042599998	MG/KG	J	METALS	SW-846:6020	
6083S	RE61-06-71548	INORGANIC	Silver	0.044399999	MG/KG	J	METALS	SW-846:6020	
5733S	RE61-06-71529	INORGANIC	Silver	0.045699999	MG/KG	J	METALS	SW-846:6020	
5532S	RE16-06-71192	INORGANIC	Silver	0.046300001	MG/KG	J	METALS	SW-846:6020	
6425S	RE61-06-73167	INORGANIC	Silver	0.047699999	MG/KG	J	METALS	SW-846:6020	
5867S	RE16-06-71149	INORGANIC	Silver	0.0546	MG/KG	J	METALS	SW-846:6020	
5523S	RE16-06-71166	INORGANIC	Silver	0.055500001	MG/KG	J	METALS	SW-846:6020	
5867S	RE16-06-71147	INORGANIC	Silver	0.059999999	MG/KG	J	METALS	SW-846:6020	
5523S	RE16-06-71168	INORGANIC	Silver	0.0616	MG/KG	J	METALS	SW-846:6020	
5867S	RE16-06-71145	INORGANIC	Silver	0.065200001	MG/KG	J	METALS	SW-846:6020	
5563S	RE16-06-71169	INORGANIC	Silver	0.065499999	MG/KG	J	METALS	SW-846:6020	
5640S	RE16-06-72969	INORGANIC	Silver	0.065499999	MG/KG	J	METALS	SW-846:6020	
5867S	RE16-06-71151	INORGANIC	Silver	0.065899998	MG/KG	J	METALS	SW-846:6020	
5733S	RE61-06-71532	INORGANIC	Silver	0.067299999	MG/KG	J	METALS	SW-846:6020	
5938S	RE16-06-71183	INORGANIC	Silver	0.069899999	MG/KG	J-	METALS	SW-846:6020	
5640S	RE16-06-72963	INORGANIC	Silver	0.070900001	MG/KG	J	METALS	SW-846:6020	
5640S	RE16-06-72967	INORGANIC	Silver	0.071900003	MG/KG	J	METALS	SW-846:6020	
5563S	RE16-06-71174	INORGANIC	Silver	0.071999997	MG/KG	J	METALS	SW-846:6020	
5563S	RE16-06-71172	INORGANIC	Silver	0.074000001	MG/KG	J	METALS	SW-846:6020	
5938S	RE16-06-71182	INORGANIC	Silver	0.075499997	MG/KG	J-	METALS	SW-846:6020	
5744S	RE61-06-73161	INORGANIC	Silver	0.077	MG/KG	J	METALS	SW-846:6020	
5523S	RE16-06-71167	INORGANIC	Silver	0.077100001	MG/KG	J	METALS	SW-846:6020	
6425S	RE61-06-73165	INORGANIC	Silver	0.077299997	MG/KG	J	METALS	SW-846:6020	
5733S	RE61-06-71531	INORGANIC	Silver	0.0779	MG/KG	J	METALS	SW-846:6020	
5936S	RE16-06-71150	INORGANIC	Silver	0.078000002	MG/KG	J-	METALS	SW-846:6020	
5744S	RE61-06-73166	INORGANIC	Silver	0.080399998	MG/KG	J	METALS	SW-846:6020	
5435S	RE16-06-71163	INORGANIC	Silver	0.083800003	MG/KG	J	METALS	SW-846:6020	
6425S	RE61-06-73168	INORGANIC	Silver	0.086099997	MG/KG	J	METALS	SW-846:6020	
5936S	RE16-06-71152	INORGANIC	Silver	0.088299997	MG/KG	J-	METALS	SW-846:6020	
5936S	RE16-06-71148	INORGANIC	Silver	0.093999997	MG/KG	J-	METALS	SW-846:6020	
5640S	RE16-06-72962	INORGANIC	Silver	0.101999998	MG/KG	J	METALS	SW-846:6020	
5936S	RE16-06-71146	INORGANIC	Silver	0.108999997	MG/KG	J-	METALS	SW-846:6020	
5938S	RE16-06-71181	INORGANIC	Silver	0.149000004	MG/KG	J-	METALS	SW-846:6020	
5867S	RE16-06-71151	INORGANIC	Sodium	79.80000305	MG/KG	J	METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Sodium	91.09999847	MG/KG	J	METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Sodium	91.59999847	MG/KG	J	METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Sodium	92	MG/KG	J	METALS	SW-846:6010B	
5746S	RE61-06-71533	INORGANIC	Sodium	95.40000153	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Sodium	99	MG/KG		METALS	SW-846:6010B	

5867S	RE16-06-71145	INORGANIC	Sodium	99.90000153	MG/KG	J	METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Sodium	146	MG/KG	J	METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Sodium	151	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Sodium	170	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Sodium	176	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Sodium	189	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Sodium	209	MG/KG		METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Sodium	216	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Sodium	222	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Sodium	224	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Sodium	224	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Sodium	230	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Sodium	232	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Sodium	266	MG/KG	J	METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Sodium	266	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Sodium	272	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Sodium	274	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Sodium	290	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Sodium	300	MG/KG	J	METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Sodium	300	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Sodium	304	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Sodium	311	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Sodium	321	MG/KG	J	METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Sodium	325	MG/KG	J	METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Sodium	327	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Sodium	330	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Sodium	350	MG/KG	J	METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Sodium	362	MG/KG	J	METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Sodium	407	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Sodium	412	MG/KG	J+	METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Sodium	453	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Sodium	459	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Sodium	468	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Sodium	507	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Sodium	521	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Sodium	533	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Sodium	584	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Sodium	693	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Sodium	946	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Thallium	0.088299997	MG/KG	J	METALS	SW-846:6020	
5933S	RE16-06-72968	INORGANIC	Thallium	0.101000004	MG/KG	J-	METALS	SW-846:6020	
5746S	RE61-06-71533	INORGANIC	Thallium	0.101999998	MG/KG	J	METALS	SW-846:6020	

5532S	RE16-06-71192	INORGANIC	Thallium	0.112000003	MG/KG	J	METALS	SW-846:6020	
5532S	RE16-06-71191	INORGANIC	Thallium	0.128000006	MG/KG	J	METALS	SW-846:6020	
5867S	RE16-06-71149	INORGANIC	Thallium	0.131999999	MG/KG	J	METALS	SW-846:6020	
5746S	RE61-06-71534	INORGANIC	Thallium	0.134000003	MG/KG	J	METALS	SW-846:6020	
5867S	RE16-06-71147	INORGANIC	Thallium	0.134000003	MG/KG	J	METALS	SW-846:6020	
5523S	RE16-06-71165	INORGANIC	Thallium	0.135000005	MG/KG	J	METALS	SW-846:6020	
5523S	RE16-06-71167	INORGANIC	Thallium	0.137999997	MG/KG	J	METALS	SW-846:6020	
5938S	RE16-06-71183	INORGANIC	Thallium	0.142000005	MG/KG	J-	METALS	SW-846:6020	
5867S	RE16-06-71151	INORGANIC	Thallium	0.143999994	MG/KG	J	METALS	SW-846:6020	
5936S	RE16-06-71150	INORGANIC	Thallium	0.145999998	MG/KG	J-	METALS	SW-846:6020	
5938S	RE16-06-71182	INORGANIC	Thallium	0.155000001	MG/KG	J-	METALS	SW-846:6020	
5867S	RE16-06-71145	INORGANIC	Thallium	0.162	MG/KG	J	METALS	SW-846:6020	
5733S	RE61-06-71536	INORGANIC	Thallium	0.169	MG/KG	J	METALS	SW-846:6020	
6512S	RE16-06-72965	INORGANIC	Thallium	0.173999995	MG/KG	J	METALS	SW-846:6020	
5744S	RE61-06-73161	INORGANIC	Thallium	0.174999997	MG/KG	J	METALS	SW-846:6020	
5640S	RE16-06-72967	INORGANIC	Thallium	0.178000003	MG/KG	J	METALS	SW-846:6020	
5733S	RE61-06-71535	INORGANIC	Thallium	0.181999996	MG/KG	J	METALS	SW-846:6020	
5523S	RE16-06-71166	INORGANIC	Thallium	0.182999998	MG/KG	J	METALS	SW-846:6020	
6512S	RE16-06-72966	INORGANIC	Thallium	0.187000006	MG/KG	J	METALS	SW-846:6020	
6083S	RE61-06-71548	INORGANIC	Thallium	0.188999996	MG/KG	J	METALS	SW-846:6020	
5435S	RE16-06-71163	INORGANIC	Thallium	0.191	MG/KG	J	METALS	SW-846:6020	
5936S	RE16-06-71152	INORGANIC	Thallium	0.195999995	MG/KG	J-	METALS	SW-846:6020	
5523S	RE16-06-71168	INORGANIC	Thallium	0.196999997	MG/KG	J	METALS	SW-846:6020	
5936S	RE16-06-71148	INORGANIC	Thallium	0.204999998	MG/KG	J-	METALS	SW-846:6020	
5936S	RE16-06-71146	INORGANIC	Thallium	0.207000002	MG/KG	J-	METALS	SW-846:6020	
5744S	RE61-06-73166	INORGANIC	Thallium	0.223000005	MG/KG	J	METALS	SW-846:6020	
5733S	RE61-06-71529	INORGANIC	Thallium	0.229000002	MG/KG		METALS	SW-846:6020	
5640S	RE16-06-72969	INORGANIC	Thallium	0.236000001	MG/KG		METALS	SW-846:6020	
5640S	RE16-06-72963	INORGANIC	Thallium	0.259000003	MG/KG		METALS	SW-846:6020	
5640S	RE16-06-72962	INORGANIC	Thallium	0.291000009	MG/KG		METALS	SW-846:6020	
5733S	RE61-06-71537	INORGANIC	Thallium	0.30399999	MG/KG		METALS	SW-846:6020	
5733S	RE61-06-71531	INORGANIC	Thallium	0.368999988	MG/KG		METALS	SW-846:6020	
5938S	RE16-06-71181	INORGANIC	Thallium	0.400000006	MG/KG	J-	METALS	SW-846:6020	
5937S	RE16-06-71181	ORGANIC	Toluene	0.00207	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71535	ORGANIC	Toluene	21.70000076	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71536	ORGANIC	Toluene	21.79999924	MG/KG		VOC	SW-846:8260B	
6424S	RE61-06-73168	ORGANIC	Total Petroleum Hydrocarbon	1.070000052	MG/KG	J	TPH-DRO	SW-846:8015M_EXTRACTABLE	
5523S	RE16-06-71165	ORGANIC	Total Petroleum Hydrocarbon	1.299999952	MG/KG	J	TPH-DRO	SW-846:8015M_EXTRACTABLE	
5640S	RE16-06-72963	ORGANIC	Total Petroleum Hydrocarbon	1.480000019	MG/KG	J	TPH-DRO	SW-846:8015M_EXTRACTABLE	
5732S	RE61-06-71538	ORGANIC	Total Petroleum Hydrocarbon	1.970000029	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5523S	RE16-06-71168	ORGANIC	Total Petroleum Hydrocarbon	2.190000057	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5640S	RE16-06-72962	ORGANIC	Total Petroleum Hydrocarbon	2.25999999	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	

5732S	RE61-06-71532	ORGANIC	Total Petroleum Hydrocarbon	3.430000067	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5732S	RE61-06-71537	ORGANIC	Total Petroleum Hydrocarbon	3.450000048	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
6424S	RE61-06-73165	ORGANIC	Total Petroleum Hydrocarbon	3.720000029	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5732S	RE61-06-71529	ORGANIC	Total Petroleum Hydrocarbon	4.239999771	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5933S	RE16-06-72968	ORGANIC	Total Petroleum Hydrocarbon	5.260000229	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5532S	RE16-06-71191	ORGANIC	Total Petroleum Hydrocarbon	6.539999962	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
6083S	RE61-06-71548	ORGANIC	Total Petroleum Hydrocarbon	6.909999847	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5523S	RE16-06-71167	ORGANIC	Total Petroleum Hydrocarbon	7.489999771	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5732S	RE61-06-71531	ORGANIC	Total Petroleum Hydrocarbon	7.5	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5435S	RE16-06-71163	ORGANIC	Total Petroleum Hydrocarbon	8.720000267	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5523S	RE16-06-71166	ORGANIC	Total Petroleum Hydrocarbon	11.30000019	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5640S	RE16-06-72967	ORGANIC	Total Petroleum Hydrocarbon	16	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5532S	RE16-06-71192	ORGANIC	Total Petroleum Hydrocarbon	53.59999847	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5745S	RE61-06-71534	ORGANIC	Total Petroleum Hydrocarbon	79.80000305	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5732S	RE61-06-71535	ORGANIC	Total Petroleum Hydrocarbon	2990	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5732S	RE61-06-71536	ORGANIC	Total Petroleum Hydrocarbon	3730	MG/KG		TPH-DRO	SW-846:8015M_EXTRACTABLE	
5532S	RE16-06-71192	ORGANIC	Total Petroleum Hydrocarbon	0.029899999	MG/KG	J-	TPH-GRO	SW-846:8015M_PURGEABLE	
6424S	RE61-06-73165	ORGANIC	Total Petroleum Hydrocarbon	0.031099999	MG/KG	J	TPH-GRO	SW-846:8015M_PURGEABLE	
5732S	RE61-06-71531	ORGANIC	Total Petroleum Hydrocarbon	0.035	MG/KG	J	TPH-GRO	SW-846:8015M_PURGEABLE	
5435S	RE16-06-71163	ORGANIC	Total Petroleum Hydrocarbon	0.0352	MG/KG	J	TPH-GRO	SW-846:8015M_PURGEABLE	
5640S	RE16-06-72967	ORGANIC	Total Petroleum Hydrocarbon	0.037099998	MG/KG	J-	TPH-GRO	SW-846:8015M_PURGEABLE	
5743S	RE61-06-73161	ORGANIC	Total Petroleum Hydrocarbon	0.047400001	MG/KG	J	TPH-GRO	SW-846:8015M_PURGEABLE	
5743S	RE61-06-73162	ORGANIC	Total Petroleum Hydrocarbon	0.055799998	MG/KG	J	TPH-GRO	SW-846:8015M_PURGEABLE	
5732S	RE61-06-71538	ORGANIC	Total Petroleum Hydrocarbon	0.071500003	MG/KG	J	TPH-GRO	SW-846:8015M_PURGEABLE	
5745S	RE61-06-71533	ORGANIC	Total Petroleum Hydrocarbon	0.090099998	MG/KG	J	TPH-GRO	SW-846:8015M_PURGEABLE	
5743S	RE61-06-73164	ORGANIC	Total Petroleum Hydrocarbon	0.116999999	MG/KG	J	TPH-GRO	SW-846:8015M_PURGEABLE	
5532S	RE16-06-71191	ORGANIC	Total Petroleum Hydrocarbon	0.125	MG/KG		TPH-GRO	SW-846:8015M_PURGEABLE	
5732S	RE61-06-71537	ORGANIC	Total Petroleum Hydrocarbon	0.128999993	MG/KG		TPH-GRO	SW-846:8015M_PURGEABLE	
5732S	RE61-06-71529	ORGANIC	Total Petroleum Hydrocarbon	0.133000001	MG/KG		TPH-GRO	SW-846:8015M_PURGEABLE	
5745S	RE61-06-71534	ORGANIC	Total Petroleum Hydrocarbon	0.221000001	MG/KG		TPH-GRO	SW-846:8015M_PURGEABLE	
5732S	RE61-06-71536	ORGANIC	Total Petroleum Hydrocarbon	6210	MG/KG		TPH-GRO	SW-846:8015M_PURGEABLE	
5732S	RE61-06-71535	ORGANIC	Total Petroleum Hydrocarbon	6560	MG/KG		TPH-GRO	SW-846:8015M_PURGEABLE	
6424S	RE61-06-73165	ORGANIC	Trimethylbenzene[1,2,4-]	0.000489	MG/KG	J	VOC	SW-846:8260B	
6512S	RE16-06-72966	ORGANIC	Trimethylbenzene[1,2,4-]	0.00193	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71536	ORGANIC	Trimethylbenzene[1,2,4-]	518	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71535	ORGANIC	Trimethylbenzene[1,2,4-]	559	MG/KG		VOC	SW-846:8260B	
6512S	RE16-06-72966	ORGANIC	Trimethylbenzene[1,3,5-]	0.000351	MG/KG	J	VOC	SW-846:8260B	
5743S	RE61-06-73161	ORGANIC	Trimethylbenzene[1,3,5-]	0.000749	MG/KG	J	VOC	SW-846:8260B	
5732S	RE61-06-71536	ORGANIC	Trimethylbenzene[1,3,5-]	191	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71535	ORGANIC	Trimethylbenzene[1,3,5-]	212	MG/KG		VOC	SW-846:8260B	
5733S	RE61-06-71538	INORGANIC	Vanadium	1.539999962	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71533	INORGANIC	Vanadium	1.820000052	MG/KG		METALS	SW-846:6010B	

5733S	RE61-06-71537	INORGANIC	Vanadium	4.670000076	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Vanadium	5.949999809	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Vanadium	6.050000191	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Vanadium	6.139999866	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Vanadium	6.389999866	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Vanadium	7.820000172	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Vanadium	8.229999542	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71531	INORGANIC	Vanadium	8.340000153	MG/KG		METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Vanadium	8.68999958	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Vanadium	10.19999981	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Vanadium	10.80000019	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Vanadium	10.80000019	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Vanadium	11.19999981	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Vanadium	14.10000038	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Vanadium	15.10000038	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Vanadium	17.5	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Vanadium	17.70000076	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Vanadium	17.89999962	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Vanadium	18.10000038	MG/KG		METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Vanadium	18.79999924	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Vanadium	18.89999962	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Vanadium	19	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Vanadium	19.60000038	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Vanadium	20	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Vanadium	21.29999924	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Vanadium	21.29999924	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Vanadium	21.89999962	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Vanadium	22	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Vanadium	22.5	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Vanadium	23.29999924	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Vanadium	24.10000038	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Vanadium	24.5	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Vanadium	24.79999924	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Vanadium	25.29999924	MG/KG		METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Vanadium	26	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Vanadium	26.39999962	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Vanadium	26.5	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Vanadium	26.79999924	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Vanadium	28.10000038	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Vanadium	28.60000038	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Vanadium	28.89999962	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Vanadium	29.20000076	MG/KG		METALS	SW-846:6010B	

5936S	RE16-06-71146	INORGANIC	Vanadium	30.20000076	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	ORGANIC	Xylene[1,2-]	0.000279	MG/KG	J	VOC	SW-846:8260B	
5743S	RE61-06-73161	ORGANIC	Xylene[1,2-]	0.00242	MG/KG	R	VOC	SW-846:8260B	
5732S	RE61-06-71536	ORGANIC	Xylene[1,2-]	116	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71535	ORGANIC	Xylene[1,2-]	133	MG/KG		VOC	SW-846:8260B	
5435S	RE16-06-71163	ORGANIC	Xylene[1,3 and 1,4]	0.000549	MG/KG	J	VOC	SW-846:8260B	
6512S	RE16-06-72966	ORGANIC	Xylene[1,3 and 1,4]	0.000597	MG/KG	J	VOC	SW-846:8260B	
5732S	RE61-06-71536	ORGANIC	Xylene[1,3 and 1,4]	251	MG/KG		VOC	SW-846:8260B	
5732S	RE61-06-71535	ORGANIC	Xylene[1,3 and 1,4]	276	MG/KG		VOC	SW-846:8260B	
5733S	RE61-06-71531	INORGANIC	Zinc	17.79999924	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71182	INORGANIC	Zinc	20.39999962	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71165	INORGANIC	Zinc	21.89999962	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71181	INORGANIC	Zinc	22.10000038	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71152	INORGANIC	Zinc	24.89999962	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71151	INORGANIC	Zinc	25	MG/KG		METALS	SW-846:6010B	
5938S	RE16-06-71183	INORGANIC	Zinc	25.70000076	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73164	INORGANIC	Zinc	26.79999924	MG/KG		METALS	SW-846:6010B	
5933S	RE16-06-72968	INORGANIC	Zinc	27	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71150	INORGANIC	Zinc	28.29999924	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71166	INORGANIC	Zinc	28.39999962	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71149	INORGANIC	Zinc	28.89999962	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73161	INORGANIC	Zinc	29.5	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71174	INORGANIC	Zinc	29.5	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71192	INORGANIC	Zinc	29.5	MG/KG		METALS	SW-846:6010B	
5532S	RE16-06-71191	INORGANIC	Zinc	29.60000038	MG/KG		METALS	SW-846:6010B	
5435S	RE16-06-71163	INORGANIC	Zinc	29.79999924	MG/KG	J	METALS	SW-846:6010B	
5936S	RE16-06-71148	INORGANIC	Zinc	30.20000076	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71535	INORGANIC	Zinc	30.60000038	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71538	INORGANIC	Zinc	30.70000076	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71145	INORGANIC	Zinc	30.70000076	MG/KG		METALS	SW-846:6010B	
5936S	RE16-06-71146	INORGANIC	Zinc	31.10000038	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73162	INORGANIC	Zinc	31.5	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71532	INORGANIC	Zinc	31.5	MG/KG		METALS	SW-846:6010B	
6083S	RE61-06-71548	INORGANIC	Zinc	31.79999924	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73167	INORGANIC	Zinc	33.09999847	MG/KG		METALS	SW-846:6010B	
5563S	RE16-06-71169	INORGANIC	Zinc	34.20000076	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71168	INORGANIC	Zinc	34.5	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71529	INORGANIC	Zinc	35.09999847	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72969	INORGANIC	Zinc	35.5	MG/KG	J+	METALS	SW-846:6010B	
5563S	RE16-06-71172	INORGANIC	Zinc	35.59999847	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73168	INORGANIC	Zinc	36.29999924	MG/KG		METALS	SW-846:6010B	
5744S	RE61-06-73166	INORGANIC	Zinc	36.79999924	MG/KG		METALS	SW-846:6010B	

5746S	RE61-06-71533	INORGANIC	Zinc	37.70000076	MG/KG		METALS	SW-846:6010B	
5523S	RE16-06-71167	INORGANIC	Zinc	37.79999924	MG/KG		METALS	SW-846:6010B	
6425S	RE61-06-73165	INORGANIC	Zinc	38.40000153	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71537	INORGANIC	Zinc	43	MG/KG		METALS	SW-846:6010B	
5733S	RE61-06-71536	INORGANIC	Zinc	45.40000153	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72965	INORGANIC	Zinc	49.40000153	MG/KG		METALS	SW-846:6010B	
6512S	RE16-06-72966	INORGANIC	Zinc	50.5	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72967	INORGANIC	Zinc	51.5	MG/KG	J+	METALS	SW-846:6010B	
5640S	RE16-06-72963	INORGANIC	Zinc	52.90000153	MG/KG	J+	METALS	SW-846:6010B	
5746S	RE61-06-71534	INORGANIC	Zinc	57.20000076	MG/KG		METALS	SW-846:6010B	
5867S	RE16-06-71147	INORGANIC	Zinc	107	MG/KG		METALS	SW-846:6010B	
5640S	RE16-06-72962	INORGANIC	Zinc	242	MG/KG	J+	METALS	SW-846:6010B	

< 90 DAY ACCUMULATION AREA - EMERGENCY AND SITE SPECIFIC PLAN

SITE ID	TA	BLDG	ROOM	GROUP	WMC OR CONTACT	PHONE
3571	61			ER	Michael LeScouarnec	7-7112

IN CASE OF AN EMERGENCY PLEASE CONTACT ONE OF THE FOLLOWING PERSONS IMMEDIATELY:

PRIMARY

NAME	ADDRESS	WORK/HOME PHONE
Michael LeScouarnec	ER55	7-7112

ALTERNATES

NAME	ADDRESS	WORK/HOME PHONE
melanie Shuster	ER55	7-7369

LIST EMERGENCY EQUIPMENT AND LOCATION (or attach copy): (include distance) shovel(s) & broom(s) (in truck during inspections).

LIST SPILL CONTROL AND LOCATION (or attach copy): (include distance) _____

IS THERE PROPER COMMUNICATION AT THE SITE? (include distance) _____

☐ Permanent telephone at site ☒ Cellular Phone ☐ 2-Way Radio

IS THERE PROPER DECONTAMINATION EQUIPMENT?

☐ Eyewash
Volume _____
Distance _____
How long can it flow _____

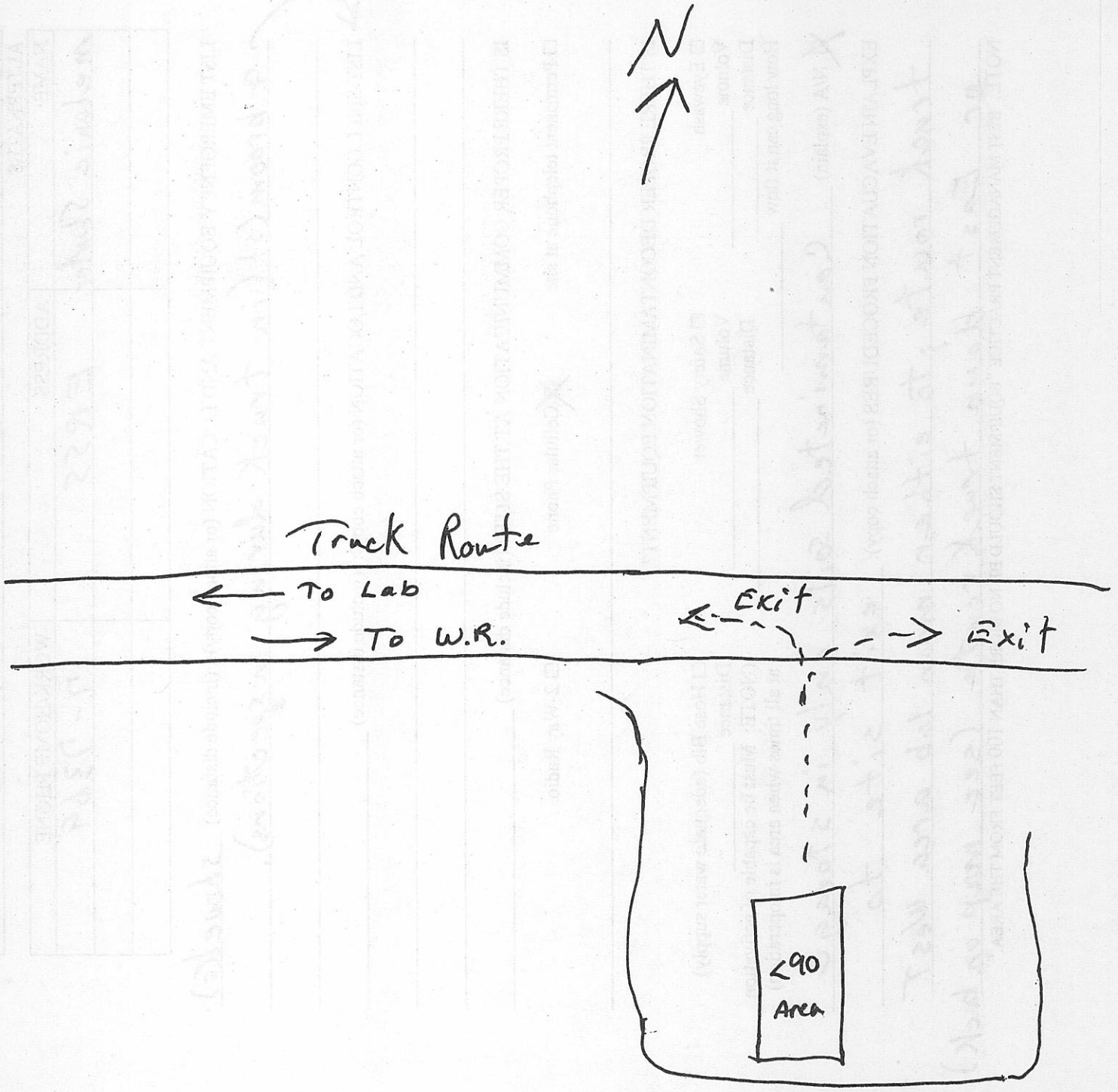
☐ Safety Shower
Volume _____
Distance _____

☐ Hose Bib (adequate water supply)
Distance _____
(NOTE: Must be capable of activation at all times when area is in operation)

☒ N/A (explain) Contaminated soils only in storage

EXPLAIN EVACUATION PROCEDURES (or attach copy): exit site to truck route, to either main lab area West or East down truck route. (see map on back)

NOTE: BEST MANAGEMENT PRACTICE "EQUIPMENT SHOULD BE NO MORE THAN 100 FEET FROM THE AREA."


N
Truck Route
To Lab
To W.R.
Exit
Exit
<90
Area

Site ID 3571

HAZARDOUS/MIXED WASTE FACILITY INSPECTION RECORD FORM FOR < 90

[1] FACILITY: [2] Site ID #: 3571	[3] <90-DAY ACCUMULATION AREA	[4] START DATE: 1-8-07	[5] END DATE: 1-14-07

[6] ☒ Containers ☐ Tank

PART I- Enter condition of the item inspected (**OK, NA** [Not Applicable], or **AR** [Action Required]) in column for day inspected.

ITEM	INSPECTED FOR:	MON	TUE	WED	THU	FRI	SAT	SUN
[7] NO USE	No waste opened, moved, received, treated, or removed; or no waste stored					N/A		
[8] COMMUNICATIONS EQUIPMENT	Availability and proper operating condition					OK		
[9] SECURITY	Condition of fences, gates, locks, and other access control equipment					OK		
[10] WORK SURFACES/ FLOORS	Any conditions that could lead to an accident or spill					OK		
[11] SPILL/FIRE EQUIPMENT	Present, appropriate, and in proper operating condition					N/A		
[12] EYEWASHES/ SAFETY SHOWERS	Proper operating condition					N/A		
[13] COVERS/LIDS OF CONTAINERS	Closed and secured properly					OK		
[14] LABELS	Proper labels on all tanks and containers					OK		
[15] ACCUMULATION START DATE	Present and legible					OK-AR		
[16] NOT EXCEEDING 90 DAYS	Waste has not exceeded 90 days					AR		
[17] COMPATIBILITY	Separated according to compatibility					OK		
[18] INTEGRITY (Containers, tanks, and ancillary equipment)	Integrity, leakage, deterioration, corrosion, and damage					OK		
[19] (UN)LOADING AREA	Spills and deterioration					OK		
[20] AISLE SPACE/STACKING	Appropriateness and adequacy					OK		
[21] PALLETS AND RAISED CONTAINERS	Any condition that could result in failure					N/A		
[22] TANK SYSTEMS (Aboveground portions)	Discharge controls, leakage, fill level, and corrosion					N/A		

	MON	TUE	WED	THU	FRI	SAT	SUN
[23] DATE					1-12-07		
[24] TIME					2:00		
[25] SIGNATURE OF INSPECTOR(S)					[signature]		

HAZARDOUS/MIXED WASTE FACILITY INSPECTION RECORD FORM FOR < 90

FACILITY:	Site ID #:	START DATE:	END DATE:
61-002		1-8-07	1-14-07

Part II- For any AR (Action Required) in PART I, describe below: action required, action taken, date, and time of action. Attach additional sheets if necessary. If more than one action is required, number each AR.

26

AR - Waste waste determined to be hazardous as of 1-12-07. Set up <90 day. Waste generated on 8-8-06.

HAZARDOUS/MIXED WASTE FACILITY INSPECTION RECORD FORM FOR < 90

[1] FACILITY: OLD RADIO SHOP [2] Site ID #: 3577	[3] <90-DAY ACCUMULATION AREA	[4] START DATE: 1-15-07	[5] END DATE: 1-21-07

[6] ☐ Containers ☐ Tank

PART I- Enter condition of the item inspected (**OK**, **NA** [Not Applicable], or **AR** [Action Required]) in column for day inspected.

ITEM	INSPECTED FOR:	MON	TUE	WED	THU	FRI	SAT	SUN
[7] NO USE	No waste opened, moved, received, treated, or removed; or no waste stored				OK			
[8] COMMUNICATIONS EQUIPMENT	Availability and proper operating condition				NA			
[9] SECURITY	Condition of fences, gates, locks, and other access control equipment				NA			
[10] WORK SURFACES/ FLOORS	Any conditions that could lead to an accident or spill				NA			
[11] SPILL/FIRE EQUIPMENT	Present, appropriate, and in proper operating condition				NA			
[12] EYEWASHES/ SAFETY SHOWERS	Proper operating condition				NA			
[13] COVERS/LIDS OF CONTAINERS	Closed and secured properly				NA			
[14] LABELS	Proper labels on all tanks and containers				NA			
[15] ACCUMULATION START DATE	Present and legible				NA			
[16] NOT EXCEEDING 90 DAYS	Waste has not exceeded 90 days				NA			
[17] COMPATIBILITY	Separated according to compatibility				NA			
[18] INTEGRITY (Containers, tanks, and ancillary equipment)	Integrity, leakage, deterioration, corrosion, and damage				NA			
[19] (UN)LOADING AREA	Spills and deterioration				NA			
[20] AISLE SPACE/STACKING	Appropriateness and adequacy				NA			
[21] PALLETS AND RAISED CONTAINERS	Any condition that could result in failure				NA			
[22] TANK SYSTEMS (Aboveground portions)	Discharge controls, leakage, fill level, and corrosion				NA			

	MON	TUE	WED	THU	FRI	SAT	SUN
[23] DATE				1-19-07			
[24] TIME				11:00 AM			
[25] SIGNATURE OF INSPECTOR(S)				Robyn Peterson			

HAZARDOUS/MIXED WASTE FACILITY INSPECTION RECORD FORM FOR < 90

FACILITY:	Site ID #:	START DATE:	END DATE:
OLD RADIO SHOP	3571	1-15-07	1-21-07

Part II- For any AR (Action Required) in PART I, describe below: action required, action taken, date, and time of action. Attach additional sheets if necessary. If more than one action is required, number each AR.

26

Roll off and drum removed / shipped.

Site closed.

P/U 1-18-07

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

Waste Pick-up Location and Storage Type:			☑	**< 90 Day Accumulation Area** Start Date: 8-8-06	☐	**Satellite Accumulation Area** Approximate Volume:
TA: 3	BLDG: OLD RADIO SHOP	ROOM:	☐	**Universal Waste** Start Date:	☐	**PCB Waste** Start Date:
					☐	**NM Special Waste** (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*
10048566	S	55	G	500	P			39862	6A000A	MR0R	05FC	6B00	SOIL/BOREHOLE DRILLL CUTTINGS FROM ER PROGRAM	

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume	**Units for Weight**
G-Gallon **M**-Cubic Meters **L**-Liters **O**-Fluid Ounce **F**-Cubic Feet **P**-Pint **Q**-Quart **C**-Cubic centimeters	**P**-Pound **O**-Ounce **K**-Kilograms **T**-Tons **G**-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name ROBYN PETERSEN	**Signature**	**Z Number 086572**	**Date 01-18-07**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Manifest Tracking Number: 000363688 JJK

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1.							
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

U.S. EPA Form 8700-22

Read all instructions before completing this form.

1. This form has been designed for use on a 12-pitch (elite) typewriter which is also compatible with standard computer printers; a firm point pen may also be used—press down hard.
2. Federal regulations require generators and transporters of hazardous waste and owners or operators of hazardous waste treatment, storage, and disposal facilities to complete this form (EPA Form 8700–22) and, if necessary, the continuation sheet (EPA Form 8700–22A) for both inter- and intrastate transportation of hazardous waste.

Public reporting burden for this collection of information is estimated to average: 30 minutes for generators, 10 minutes for transporters, and 25 minutes for owners or operators of treatment, storage, and disposal facilities. This includes time for reviewing instructions, gathering data, completing, reviewing and transmitting the form. Any correspondence regarding the PRA burden statement for the manifest must be sent to the Director of the Collection Strategies Division in EPA's Office of Information Collection at the following address: U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, DC 20460. Do not send the completed form to this address.

I. Instructions for Generators

Item 1. Generator's U.S. EPA Identification Number

Enter the generator's U.S. EPA twelve digit identification number, or the State generator identification number if the generator site does not have an EPA identification number.

Item 2. Page 1 of ___

Enter the total number of pages used to complete this Manifest (*i.e.*, the first page (EPA Form 8700-22) plus the number of Continuation Sheets (EPA Form 8700-22A), if any).

Item 3. Emergency Response Phone Number

Enter a phone number for which emergency response information can be obtained in the event of an incident during transportation. The emergency response phone number must:

1. Be the number of the generator or the number of an agency or organization who is capable of and accepts responsibility for providing detailed information about the shipment;
2. Reach a phone that is monitored 24 hours a day at all times the waste is in transportation (including transportation related storage); and
3. Reach someone who is either knowledgeable of the hazardous waste being shipped and has comprehensive emergency response and spill cleanup/incident mitigation information for the material being shipped or has immediate access to a person who has that knowledge and information about the shipment.

Note: Emergency Response phone number information should only be entered in Item 3 when there is one phone number that applies to all the waste materials described in Item 9b. If a situation (*e.g.*, consolidated shipments) arises where more than one Emergency Response phone number applies to the various wastes listed on the manifest, the phone numbers associated with each specific material should be entered after its description in Item 9b.

Item 4. Manifest Tracking Number

This unique tracking number must be pre-printed on the manifest by the forms printer.

Item 5. Generator's Mailing Address, Phone Number and Site Address

Enter the name of the generator, the mailing address to which the completed manifest signed by the designated facility should be mailed, and the generator's telephone number. Note, the telephone number (including area code) should be the normal business number for the generator, or the number where the generator or his authorized agent may be reached to provide instructions in the event the designated and/or alternate (if any) facility rejects some or all of the shipment. Also enter the physical site address from which the shipment originates only if this address is different than the mailing address.

Item 6. Transporter 1 Company Name, and U.S. EPA ID Number

Enter the company name and U.S. EPA ID number of the first transporter who will transport the waste. Vehicle or driver information may not be entered here.

Item 7. Transporter 2 Company Name and U.S. EPA ID Number

If applicable, enter the company name and U.S. EPA ID number of the second transporter who will transport the waste. Vehicle or driver information may not be entered here.

If more than two transporters are needed, use a Continuation Sheet(s) (EPA Form 8700-22A).

Item 8. Designated Facility Name, Site Address, and U.S. EPA ID Number

Enter the company name and site address of the facility designated to receive the waste listed on this manifest. Also enter the facility's phone number and the U.S. EPA twelve digit identification number of the facility.

Item 9. U.S. DOT Description (Including Proper Shipping Name, Hazard Class or Division, Identification Number, and Packing Group)

Item 9a. If the wastes identified in Item 9b consist of both hazardous and nonhazardous materials, then identify the hazardous materials by entering an "X" in this Item next to the corresponding hazardous material identified in Item 9b.

Item 9b. Enter the U.S. DOT Proper Shipping Name, Hazard Class or Division, Identification Number (UN/NA) and Packing Group for each waste as identified in 49 CFR 172. Include technical name(s) and reportable quantity references, if applicable.

Note: If additional space is needed for waste descriptions, enter these additional descriptions in Item 27 on the Continuation Sheet (EPA Form 8700-22A). Also, if more than one Emergency Response phone number applies to the various wastes described in either Item 9b or Item 27, enter applicable Emergency Response phone numbers immediately following the shipping descriptions for those items.

Item 10. Containers (Number and Type)

Enter the number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

TABLE I.--TYPES OF CONTAINERS

BA = Burlap, cloth, paper, or plastic bags.	DT = Dump truck.
CF = Fiber or plastic boxes, cartons, cases.	DW = Wooden drums, barrels, kegs.
CM = Metal boxes, cartons, cases (including roll-offs).	HG = Hopper or gondola cars.
CW = Wooden boxes, cartons, cases.	TC = Tank cars.
CY = Cylinders.	TP = Portable tanks.
DF = Fiberboard or plastic drums, barrels, kegs.	TT = Cargo tanks (tank trucks).
DM = Metal drums, barrels, kegs.	

Item 11. Total Quantity

Enter, in designated boxes, the total quantity of waste. Round partial units to the nearest whole unit, and *do not* enter decimals or fractions. To the extent practical, report quantities using appropriate units of measure that will allow you to report quantities with precision. Waste quantities entered should be based on actual measurements or reasonably accurate estimates of actual quantities shipped. Container capacities are not acceptable as estimates.

Item 12. Units of Measure (Weight/Volume)

Enter, in designated boxes, the appropriate abbreviation from Table II (below) for the unit of measure.

TABLE II.--UNITS OF MEASURE

G = Gallons (liquids only).	N = Cubic Meters.
K = Kilograms.	P = Pounds.
L = Liters (liquids only).	T = Tons (2000 Pounds).
M = Metric Tons (1000 kilograms).	Y = Cubic Yards.

Note: Tons, Metric Tons, Cubic Meters, and Cubic Yards should only be reported in connection with very large bulk shipments, such as rail cars, tank trucks, or barges.

Item 13. Waste Codes

Enter up to six federal and state waste codes to describe each waste stream identified in Item 9b. State waste codes that are not redundant with federal codes must be entered here, in addition to the federal waste codes which are most representative of the properties of the waste.

Item 14. Special Handling Instructions and Additional Information

1. Generators may enter any special handling or shipment-specific information necessary for the proper management or tracking of the materials under the generator's or other handler's business processes, such as waste profile numbers, container codes, bar codes, or response guide numbers. Generators also may use this space to enter additional descriptive information about their shipped materials, such as chemical names, constituent percentages, physical state, or specific gravity of wastes identified with volume units in Item 12.
2. This space may be used to record limited types of federally required information for which there is no specific space provided on the manifest, including any alternate facility designations; the manifest tracking number of the original manifest for rejected wastes and residues that are re-shipped under a second manifest; and the specification of PCB waste descriptions and PCB out-of-service dates required under 40 CFR 761.207. Generators, however, cannot be required to enter information in this space to meet state regulatory requirements.

Item 15. Generator's/Offeror's Certifications

1. The generator must read, sign, and date the waste minimization certification statement. In signing the waste minimization certification statement, those generators who have not been exempted by statute or regulation from the duty to make a waste minimization certification under section 3002(b) of RCRA are also certifying that they have complied with the waste minimization requirements. The Generator's Certification also contains the required attestation that the shipment has been properly prepared and is in proper condition for transportation (the shipper's certification). The content of the shipper's certification statement is as follows: "I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent." When a party other than the generator prepares the shipment for transportation, this party may also sign the shipper's certification statement as the offeror of the shipment.
2. Generator or Offeror personnel may preprint the words, "On behalf of" in the signature block or may hand write this statement in the signature block prior to signing the generator/offeror certification, to indicate that the individual signs as the employee or agent of the named principal.

Note: All of the above information except the handwritten signature required in Item 15 may be pre-printed.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

61598

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NM0890010515	1	(505)667-6211	000363688 JJK

GENERATOR

5. Generator's Name and Mailing Address: LANS, LLC for US DOE
P.O. Box 1663, MS J595
Los Alamos, NM 87545
Generator's Phone: (505) 665-6158

Generator's Site Address (if different than mailing address):
LANS, LLC for US DOE
Robyn Petersen, TA-03, MS-J586
Los Alamos, NM 87545

6. Transporter 1 Company Name: PORTAGE ENVIRONMENTAL, INC
U.S. EPA ID Number: NMR000010942

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: LANS, LLC for US DOE
Mesita Del Buey Rd. TA-54 Area G
Los Alamos, NM 87545
Facility's Phone: (505) 665-6158
U.S. EPA ID Number: NMO890010515

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						F002	F004	F005
X	1. HAZARDOUS WASTE, SOLID, N.O.S., (METHYL ETHYL KETONE, TOLUENE), 9, NA3077, III	1	DM	227	K			
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
LINE 1 ERG#: 171; HMTF #: 20070025 MANIFEST: 61598

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: ROBYN PETERSEN
Signature: Robyn Petersen
Month: 01 Day: 18 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Nikolas Gallegos
Signature:
Month: 1 Day: 19 Year: 07

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Paul N. Nerbun
Signature:
Month: 01 Day: 29 Year: 07

PA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Los Alamos
National Laboratory

LAND DISPOSAL RESTRICTIONS NOTIFICATION FORM

18-Jan-2007 10:17 AM

Uniform Hazardous Waste Manifest ID #:

Generator Name
LANS, LLC for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545 **61598**

P 1 * L 1. **Treatability Group:**

[X] NWW [ ] WW [ ] Lab Pack (Appendix IV) [ ] Lab Pack (268.42[c])*
[ ] HOC [ ] Liquid PCB [ ] Liquid containing Metals

California List:

EPA Code	Subcategory	Constituent(s)
F002		Methylene Chloride
F004		Cresol
F005		Methyl Ethyl Ketone; Toluene

UHCs (if applicable): Benz(a)anthracene; Chrysene; Fluoranthene; Naphthalene; Phenanthrene; Pyrene; Xylenes (total)

* I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under Appendix IV to 40 CFR Part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR §268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

Authorized Signature

P/U 1-18-07

CONSOLIDATED REMOTE WASTE STORAGE SITE DISPOSAL REQUEST

E11707

Waste Pick-up Location and Storage Type:			☑	**< 90 Day Accumulation Area** Start Date: 8-8-06	☐	**Satellite Accumulation Area** Approximate Volume:
TA: 3	BLDG: OUTSIDE OLD RADIO SHOP	ROOM:	☐	**Universal Waste** Start Date:	☐	**PCB Waste** Start Date:
					☐	**NM Special Waste** (<90 days) Start Date:

Item ID	Phys State	Volume	Unit	Weight	Unit	Temp.Con*	Acis Bar C	Profile	Cost Ctr	Prg Cd	Cost Acc	Work Pkg	Description of Waste	RCRA*
10048564	S	270	F	17	T			39862	6A000A	MR0R	05FC	6B00	SOIL/BOREHOLE DRILL CUTTINGS FROM ER PROGRAM	

*Temp. Con, RCRA, and subcat codes to be completed by FWO-SWO personnel only.

Units for Volume	**Units for Weight**
G-Gallon **M**-Cubic Meters **L**-Liters **O**-Fluid Ounce **F**-Cubic Feet **P**-Pint **Q**-Quart **C**-Cubic centimeters	**P**-Pound **O**-Ounce **K**-Kilograms **T**-Tons **G**-Grams

WMC CERTIFICATION STATEMENT: To the best of my knowledge, I certify that the information on this form is correct. I understand that this information will be made available to regulatory agencies and that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Printed Name ROBYN PETERSEN	**Signature**	**Z Number 086572**	**Date 01-17-07**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NM0890010515
2. Page 1 of 1
3. Emergency Response Phone: (505)667-6211
4. Manifest Tracking Number: **000363684 JJK**

5. Generator's Name and Mailing Address:
LANS, LLC for US DOE
P.O. Box 1663, MS J595
Los Alamos NM 87545
Generator's Phone: (505) 665-6158

Generator's Site Address (if different than mailing address):
LANS, LLC for US DOE
Robyn Petersen, TA-00, MS-J586
Los Alamos, NM 87545

6. Transporter 1 Company Name: PORTAGE ENVIRONMENTAL, INC — U.S. EPA ID Number: NMR000010942

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: LANS, LLC for US DOE
Mesita Del Buey Rd. TA 54 Area G
Los Alamos NM 87545
Facility's Phone: (505) 665-6158 — U.S. EPA ID Number: NM0890010515

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. HAZARDOUS WASTE, SOLID, N.O.S., (METHYL ETHYL KETONE, TOLUENE), 9, NA3077, III	1	DM	[illegible]	K	F003 F004 F005
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
[illegible]
2007 [illegible]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name — Signature — Month Day Year

INT'L
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name — Signature — Month Day Year
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Pat O'Grady — Signature: Pat O'Grady — Month Day Year: 10 13 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

U.S. EPA Form 8700-22

Read all instructions before completing this form.

1. This form has been designed for use on a 12-pitch (elite) typewriter which is also compatible with standard computer printers; a firm point pen may also be used—press down hard.
2. Federal regulations require generators and transporters of hazardous waste and owners or operators of hazardous waste treatment, storage, and disposal facilities to complete this form (EPA Form 8700–22) and, if necessary, the continuation sheet (EPA Form 8700–22A) for both inter- and intrastate transportation of hazardous waste.

I. Instructions for Generators

Item 1. Generator's U.S. EPA Identification Number

Enter the generator's U.S. EPA twelve digit identification number, or the State generator identification number if the generator site does not have an EPA identification number.

Item 2. Page 1 of ___

Enter the total number of pages used to complete this Manifest (*i.e.*, the first page (EPA Form 8700-22) plus the number of Continuation Sheets (EPA Form 8700-22A), if any).

Item 3. Emergency Response Phone Number

Enter a phone number for which emergency response information can be obtained in the event of an incident during transportation. The emergency response phone number must:

1. Be the number of the generator or the number of an agency or organization who is capable of and accepts responsibility for providing detailed information about the shipment;
2. Reach a phone that is monitored 24 hours a day at all times the waste is in transportation (including transportation related storage); and
3. Reach someone who is either knowledgeable of the hazardous waste being shipped and has comprehensive emergency response and spill cleanup/incident mitigation information for the material being shipped or has immediate access to a person who has that knowledge and information about the shipment.

Note: Emergency Response phone number information should only be entered in Item 3 when there is one phone number that applies to all the waste materials described in Item 9b. If a situation (*e.g.*, consolidated shipments) arises where more than one Emergency Response phone number applies to the various wastes listed on the manifest, the phone numbers associated with each specific material should be entered after its description in Item 9b.

Item 4. Manifest Tracking Number

This unique tracking number must be pre-printed on the manifest by the forms printer.

Item 5. Generator's Mailing Address, Phone Number and Site Address

Enter the name of the generator, the mailing address to which the completed manifest signed by the designated facility should be mailed, and the generator's telephone number. Note, the telephone number (including area code) should be the normal business number for the generator, or the number where the generator or his authorized agent may be reached to provide instructions in the event the designated and/or alternate (if any) facility rejects some or all of the shipment. Also enter the physical site address from which the shipment originates only if this address is different than the mailing address.

Item 6. Transporter 1 Company Name, and U.S. EPA ID Number

Enter the company name and U.S. EPA ID number of the first transporter who will transport the waste. Vehicle or driver information may not be entered here.

Item 7. Transporter 2 Company Name and U.S. EPA ID Number

If applicable, enter the company name and U.S. EPA ID number of the second transporter who will transport the waste. Vehicle or driver information may not be entered here.

If more than two transporters are needed, use a Continuation Sheet(s) (EPA Form 8700-22A).

Item 8. Designated Facility Name, Site Address, and U.S. EPA ID Number

Enter the company name and site address of the facility designated to receive the waste listed on this manifest. Also enter the facility's phone number and the U.S. EPA twelve digit identification number of the facility.

Item 9. U.S. DOT Description (Including Proper Shipping Name, Hazard Class or Division, Identification Number, and Packing Group)

Item 9a. If the wastes identified in Item 9b consist of both hazardous and nonhazardous materials, then identify the hazardous materials by entering an "X" in this Item next to the corresponding hazardous material identified in Item 9b.

Item 9b. Enter the U.S. DOT Proper Shipping Name, Hazard Class or Division, Identification Number (UN/NA) and Packing Group for each waste as identified in 49 CFR 172. Include technical name(s) and reportable quantity references, if applicable.

Note: If additional space is needed for waste descriptions, enter these additional descriptions in Item 27 on the Continuation Sheet (EPA Form 8700-22A). Also, if more than one Emergency Response phone number applies to the various wastes described in either Item 9b or Item 27, enter applicable Emergency Response phone numbers immediately following the shipping descriptions for those Items.

Item 10. Containers (Number and Type)

Enter the number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

TABLE I.--TYPES OF CONTAINERS

BA = Burlap, cloth, paper, or plastic bags.	DT = Dump truck.
CF = Fiber or plastic boxes, cartons, cases.	DW = Wooden drums, barrels, kegs.
CM = Metal boxes, cartons, cases (including roll-offs).	HG = Hopper or gondola cars.
CW = Wooden boxes, cartons, cases.	TC = Tank cars.
CY = Cylinders.	TP = Portable tanks.
DF = Fiberboard or plastic drums, barrels, kegs.	TT = Cargo tanks (tank trucks).
DM = Metal drums, barrels, kegs.	

Item 11. Total Quantity

Enter, in designated boxes, the total quantity of waste. Round partial units to the nearest whole unit, and *do not* enter decimals or fractions. To the extent practical, report quantities using appropriate units of measure that will allow you to report quantities with precision. Waste quantities entered should be based on actual measurements or reasonably accurate estimates of actual quantities shipped. Container capacities are not acceptable as estimates.

Item 12. Units of Measure (Weight/Volume)

Enter, in designated boxes, the appropriate abbreviation from Table II (below) for the unit of measure.

TABLE II.--UNITS OF MEASURE

G = Gallons (liquids only).	N = Cubic Meters.
K = Kilograms.	P = Pounds.
L = Liters (liquids only).	T = Tons (2000 Pounds).
M = Metric Tons (1000 kilograms).	Y = Cubic Yards.

Note: Tons, Metric Tons, Cubic Meters, and Cubic Yards should only be reported in connection with very large bulk shipments, such as rail cars, tank trucks, or barges.

Item 13. Waste Codes

Enter up to six federal and state waste codes to describe each waste stream identified in Item 9b. State waste codes that are not redundant with federal codes must be entered here, in addition to the federal waste codes which are most representative of the properties of the waste.

Item 14. Special Handling Instructions and Additional Information

1. Generators may enter any special handling or shipment-specific information necessary for the proper management or tracking of the materials under the generator's or other handler's business processes, such as waste profile numbers, container codes, bar codes, or response guide numbers. Generators also may use this space to enter additional descriptive information about their shipped materials, such as chemical names, constituent percentages, physical state, or specific gravity of wastes identified with volume units in Item 12.
2. This space may be used to record limited types of federally required information for which there is no specific space provided on the manifest, including any alternate facility designations; the manifest tracking number of the original manifest for rejected wastes and residues that are re-shipped under a second manifest; and the specification of PCB waste descriptions and PCB out-of-service dates required under 40 CFR 761.207. Generators, however, cannot be required to enter information in this space to meet state regulatory requirements.

Item 15. Generator's/Offeror's Certifications

1. The generator must read, sign, and date the waste minimization certification statement. In signing the waste minimization certification statement, those generators who have not been exempted by statute or regulation from the duty to make a waste minimization certification under section 3002(b) of RCRA are also certifying that they have complied with the waste minimization requirements. The Generator's Certification also contains the required attestation that the shipment has been properly prepared and is in proper condition for transportation (the shipper's certification). The content of the shipper's certification statement is as follows: "I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent." When a party other than the generator prepares the shipment for transportation, this party may also sign the shipper's certification statement as the offeror of the shipment.
2. Generator or Offeror personnel may preprint the words, "On behalf of" in the signature block or may hand write this statement in the signature block prior to signing the generator/offeror certification, to indicate that the individual signs as the employee or agent of the named principal.

Note: All of the above information except the handwritten signature required in Item 15 may be pre-printed.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 61581 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NM0890010515	1	(505)667-6211	000363684 JJK

GENERATOR

5. Generator's Name and Mailing Address: LANS, LLC for US DOE
P.O. Box 1663, MS J595
Los Alamos, NM 87545
Generator's Phone: (505) 665-6158

Generator's Site Address (if different than mailing address):
LANS, LLC for US DOE
Robyn Petersen, TA-00, MS-J586
Los Alamos, NM 87545

6. Transporter 1 Company Name: PORTAGE ENVIRONMENTAL, INC — U.S. EPA ID Number: NMR000010942

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: LANS, LLC for US DOE
Mesita Del Buey Rd. TA-54 Area G
Los Alamos, NM 87545
Facility's Phone: (505) 665-6158 — U.S. EPA ID Number: NM0890010515

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. HAZARDOUS WASTE, SOLID, N.O.S., (METHYL ETHYL KETONE, TOLUENE), 9, NA3077, III	1	CM	15423	K	F002	F004	F005
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
LINE 1 ERG#: 171;
HMTF #: 20070024
MANIFEST: 61581

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
ROBYN PETERSEN	Robyn Petersen	01	18	07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Raymond Cordova		01	18	07
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month / Day / Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
Pat O'Grady	Pat O'Grady	01	18	07

DESIGNATED FACILITY TO GENERATOR STATE (IF REQUIRED)

Los Alamos
National Laboratory

LAND DISPOSAL RESTRICTIONS NOTIFICATION FORM

18-Jan-2007 07:26 AM

Generator Name
LANS, LLC for US DOE
Los Alamos National Laboratory
P.O. Box 1663, MS J595, Los Alamos, NM 87545

Uniform Hazardous Waste Manifest ID #:
61581

P 1 * L 1. **Treatability Group:** [X] NWW [ ] WW [ ] Lab Pack (Appendix IV) [ ] Lab Pack (268.42[c])*
California List: [ ] HOC [ ] Liquid PCB [ ] Liquid containing Metals

EPA Code	Subcategory	Constituent(s)
F002		Methylene Chloride
F004		Cresol
F005		Methyl Ethyl Ketone; Toluene

UHCs (if applicable): Benz(a)anthracene; Chrysene; Fluoranthene; Naphthalene; Phenanthrene; Pyrene; Xylenes (total)

* I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes that have not been excluded under Appendix IV to 40 CFR Part 268 and that this lab pack will be sent to a combustion facility in compliance with the alternative treatment standards for lab packs at 40 CFR $268.42(c). I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

Authorized Signature

LOS ALAMOS NATIONAL LABORATORY

ENVIRONMENTAL PROGRAMS DIRECTORATE CORRECTIVE ACTIONS PROGRAM (EP-CA)
INTERIM ACTIONS AND ACCELERATED CLEAN-UPS

SITE - SPECIFIC HEALTH & SAFETY PLAN (SSHASP)

Project Name: **Implementation of the Addendum to the Accelerated Corrective Action Plan for the Investigation and Remediation of Solid Waste Management Unit 61-002).**

Copies of this SSHASP and associated Integrated Work Documents are to be readily accessible on-site for review by individuals who may be exposed to hazards resulting from work conducted under the scope of this SSHASP. Personnel performing work under the scope of this SSHASP shall sign the acknowledgment form signifying that they understand and shall abide by the H&S requirements contained herein.

APPROVAL

The Responsible Line Manager/Group Leader is providing signature of approval for this SSHASP.

Signature	Gordon Dover	EP-CA	7/6/06
Group Leader/RLM	Name	LANL Group	Date

David Padilla	Oliver Wilton for DAVID PADILLA		FM-DF
Name	Reviewer Signature		LANL Group
RDL Representative			
Melanee Shurter	Melanee M Shurter		EP-CA
Name	Reviewer Signature		LANL Group
Project Leader			
Oliver Wilton	Oliver Wilton		HSR-5
Name	Reviewer Signature		LANL Group
HSR-5 Representative			
Martin Peifer	Martin Peifer		RP-1 ~~HSR-1~~
Name	Reviewer Signature		LANL Group
HSR-1 Representative			
Victoria Maranville	CH MM		MKM
Name	Reviewer Signature		Company
MKM Project Manager			

Comments of the above reviewers have been incorporated as stipulated, or resolved with written record and copy to the respective reviewer.

Saul Alanis	Saul Alanis	MKM	
Prepared By	Signature	Company	Mail stop

CONTENTS

LIST OF ACRONYMS AND ABBREVIATIONS

AOC	Area of Concern
CFR	Code of Federal Regulations
COPC	Chemical of Potential Concern
CPR	Cardiopulmonary Resuscitation
ER	Environmental Restoration
EM&R	Emergency Management and Response
EP-CA	Environmental Programs Directorate Corrective Actions Program
H&S	Health and Safety
HSR	Health, Safety, and Radiation
HSR-1	Health Physics Operations Group
HSR-2	Occupational Medicine Group
HSR-5	Industrial Hygiene and Safety Group
IWD	Integrated Work Document
LAMC	Los Alamos Medical Center
LANL or the Laboratory	Los Alamos National Laboratory
MKM	MKM Engineers, Inc.
MSDS	Material Safety Data Sheet
PIC	Person-In-Charge
PPE	Personal Protective Equipment
SSHASP	Site-Specific H&S Plan
SSO	Site Safety Officer
SWMU	Solid Waste Management Unit
SVOC	Semivolatile Organic Compound
VOC	Volatile Organic Compound
TA	Technical Area
TL	Team Leader
TPMC	TerranearPMC
UTR	University Technical Representative

1.0 PROJECT INFORMATION

1.1 Project Scope

The scope of the activities addressed in this Site Specific Health and Safety (H&S) Plan (SSHASP ER2006-0635) and associated Integrated Work Document (IWD ER2006-0634) is to complete the characterization and remediation of Solid Waste Management Unit (SWMU) 61-002. To accomplish the scope, the following activities will be performed: (1) Mobilization and installation of erosion control BMPs; (2) using a drill rig, collect soil and tuff samples to characterize the lateral and vertical extent of petroleum-contaminated soil that remains on site (five borings), (3) Excavation, removal, and disposal of potentially contaminated soil as identified by characterization data; (4) Collection of confirmation soil samples; and (5) Site restoration and demobilization.

The associated IWD for the project has been broken down into the following major activities:

- General Site Hazards;
- Site Setup and Mobilization;
- Drilling and Sampling
- Excavation and Disposal;
- Site Restoration and Demobilization; and
- Equipment Refueling.

Due to potential chemical exposure, work activities will be conducted in accordance with regulations and guidelines contained in Occupational Safety and Health Administration Title 29 Code of Federal Regulations (CFR) 1926.65, Hazardous Waste Operations and Emergency Response. This SSHASP, along with the associated IWD, also includes the five core functions of Integrated Safety Management and Integrated Safeguards and Security Management for the remediation of SWMU 61-002. The Site Safety Officer (SSO) will conduct chemical and physical monitoring as specified in this SSHASP and in the associated IWD.

In the unlikely event of a site occurrence such as, but not limited to, the discovery of an unknown material (e.g., visual identification, unusual odor) or if site conditions change in such a manner that requires modifications to existing work activities, all activities affected by the occurrence shall stop. The activities will not be allowed to proceed until the occurrence has been evaluated and, if necessary, corrected to the satisfaction of the responsible individuals, or their designees, who approved this SSHASP and associated IWD.

1.2 Key Personnel Having Project H&S Responsibility

Key personnel having project H&S (H&S) responsibility as of June 2006 are listed in Table 1. Equivalent individuals may be substituted as work progresses.

1.2.1 Health and Safety Line Management Responsibility and Lines of Communication

1.2.2 H&S Communication

H&S concerns will be communicated quickly and effectively to protect field team members and nearby personnel in accordance with the Environmental Programs Directorate Corrective Actions Program (EP-CA) Communications Plan for Field Operations 2006. The communication processes include Pre-Field Communication, Field Communication, and Post-Field Communication.

Pre-Field Communication

Pre-Job H&S Briefing: All field project team members will attend a Pre-Job H&S Briefing prior to the start of fieldwork. This briefing will inform each field worker of the site-specific information and the requirements contained in this SSHASP and associated IWD. The contents of the RWP, excavation permit, and other required documents will also be discussed at this time. Attendance at the Pre-Job H&S Briefing shall be documented on the appropriate forms (SSHASP and IWD). All personnel will sign the Pre-Job Start Health & Safety Briefing & SSHASP Acknowledgment Form (included in Appendix A) indicating that they have read the SSHASP and attended the Pre-Job H&S Briefing.

Field Communication

Daily Tailgate Safety Meetings: The Site Safety Officer (SSO) will conduct a tailgate safety meeting each day of active field operations to inform personnel of the anticipated activities for the day and the hazards, control measures, monitoring requirements, and emergency procedures associated with the activities. Any newly identified hazards, associated monitoring and exposure control measures, and problems or concerns that have arisen since the previous tailgate meeting will also be discussed and documented as required by this SSHASP and the IWD. Meeting attendance shall be documented on the Activity-Specific—Health and Safety Field Tailgate form (included in Appendix A).

All field team members should discuss any health or safety related concerns and emergency communication (Incident Reporting) during these meetings. All workers have the right to discuss any safety-related concern **without fear of reprisal.**

Post-Field Communication

H&S issues that are raised during the execution of the project will be evaluated by project team personnel and Los Alamos National Laboratory (LANL or the Laboratory) representatives for inclusion into future SSHASPs/IWDs. If required, the issues shall also be communicated to Group Leaders, Facility Management Unit Representatives, Lessons Learned Coordinator, etc.

Visitor Policy

The on-site supervisor ('Person-in-Charge,' or PIC) shall meet with visitors to determine the purpose of the visit, have the visitor sign the visitor log, and brief the visitor on the hazards present at the site. The PIC shall ensure that visitors have the required training and Personal Protective Equipment (PPE) commensurate with the visitor's hazard exposure.

1.2.3 Stop-Activity and Stop-Work Orders

Any individual who observes an operation that presents a clear and imminent danger to personnel or the environment, or is outside the boundaries of the SSHASP/IWD, has both the responsibility and authority to immediately stop activity/work. After activity/work is stopped, the Team Leader (TL), PIC, and SSO shall be immediately notified. Restart of the activity or work shall be in accordance with Environmental Restoration (ER) Project QP-10.3 Stop Work and Restart.

1.2.4 Relevant Site Information

SWMU 61-002 are within LANL Technical Area 61. All above-ground structures have been removed from the site in preparation for the site characterization activities and excavation of potentially contaminated soil. Once the excavations have been completed for each site, confirmatory samples will be collected in accordance with the Addendum to the Accelerated Corrective Action Work Plan for Area of Concern 03-001(i) and Solid Waste Management Units 03-029 and 61-002 (LANL 2006, ER2006-0067) submitted to the New Mexico Environment Department. The characterization samples along with visual inspection of the site will determine

if the extent of the site requiring remediation. Confirmatory samples collected following site excavation will determine when remediation of the site has been completed.

1.2.5 Site Description/History

1.2.5.1 General Site Information

SWMU 61-002 is situated on a mesa top of the Pajarito Plateau within TA-61 (Figure 1). The area is bounded on the north by Los Alamos Canyon and on the south by Sandia Canyon. SWMU 61-002 is a former storage area located on the east side of the Radio Repair Shop (Building 61-23) on East Jemez Road (Figure 2). The northern portion of the SWMU was historically used as a storage area for capacitors, transformers, and other unmarked containers. Before 1985, oil contaminated with polychlorinated biphenyls (PCBs) was stored in containers on the soil surface within the storage area. The containers were known to have leaked. Historical site characterization and remediation activities were conducted in 1986, 1994, and 1997 and included the collection of numerous soil samples and the removal of PCB-contaminated soils. Details of these activities are included in Section 2.0 of the original approved ACA work plan (LANL 2004, 87474). More recent characterization and remediation activities were conducted in the summer of 2005 because of impending construction activities associated with the Security Perimeter Road Project. Details of the 2005 ACA are included in the "Remedy Completion Report for the Investigation and Remediation of Area of Concern 03-001(i) and Solid Waste Management Units 03-029 and 61-002" (LANL 2005, 91150), which was submitted to NMED in December 2005. During the 2005 ACA investigation, an area of petroleum-contaminated soil and buried fuel lines was discovered near the northeast portion of Building 61-23. There are no records that indicate a petroleum storage tank or fueling facility was ever located in this area. Although it was beyond the scope of the original ACA work plan, additional characterization and remediation efforts were conducted to address this area of petroleum-contaminated soil. Because the extent of soil contamination extended into a major utility corridor and East Jemez Road to the north and to the west beneath Building 61-23, it was determined that a supplemental ACA investigation will be conducted once Building 61-23 has been removed.

SWMU 61-002 is located within TA-61 and was created during the Laboratory TA redesignations in 1989. With the exception of a 1-mi_2, privately owned residential trailer park, the few buildings at TA-61 were previously part of TA-03. A major feature at TA-61 is the municipal landfill. Established in 1974, the landfill is still in use and is operated by the County of Los Alamos. A portion of SWMU 61-002 extends into the northern portion of the landfill. SWMU 61-002 is located adjacent to the Radio Shop, Building 61-23 (Figure 1.1-2). Building 61-23 (formerly Building 03-282) was built in 1951 for the Reynolds Electric Company and purchased by the Laboratory in 1966. The building lies 58 ft south of the centerline of East Jemez Road and approximately 1200 ft east of Diamond Drive. The area east of the Radio Shop was previously used for storage of capacitors and transformers, unmarked drums, and other oil-filled vessels, some of which contained PCBs. Storage operations were discontinued in 1992. Building 61-23 is scheduled for demolition in late spring of 2006.

1.2.6 Previous/Existing Site Contamination Data

Potential releases related to historical activities at SWMU 61-002 include those to surface and subsurface soil and tuff. All potential historical releases are related to Laboratory historical operations (underground fuel storage and distribution activities).

The chemicals of potential concern (COPCs) for SWMU 61-002 are listed below.

- COPCs at SWMU 61-002 include inorganic chemicals, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), Petroleum, and Polychlorinated Biphenyls (PCBs).

None of these potential contaminants are believed to exist at levels that pose a H&S risk to workers conducting remediation activities due to the small quantities of soil that will be unearthed and the nature of the site contaminants. Industrial hygiene controls for excavation activities shall be established if analytical results

site contaminants. Industrial hygiene controls for excavation activities shall be established if analytical results from characterization sampling or site conditions arise that pose a health or safety risk to site workers or the environment. If changes are required to the approach in the characterization and remediation of SWMU 61-002, revisions to the SSHASP/IWD shall be made as necessary.

1.2.7 Integrated Work Document

The IWD (ER2006-0634) contains a detailed list of work activities, potential hazards or concerns associated with each work activity, and hazard controls to be implemented. It also lists relevant reference documents and training requirements associated with the work activities. The IWD will be available on-site at all times.

1.2.8 Price-Anderson Amendments Act of 1988

This project is subject to, and will be conducted following, the provisions of the Price-Anderson Amendments Act of 1988.

1.2.9 Conduct of Operations

All personnel participating in remediation activities will complete Conduct of Operations requirements (using the graded approach) as required by DOE Order 5480.19.

1.3 Hazard Assessment

The IWD identifies the hazards associated with performing the tasks associated with the characterization and remediation of SWMU 61-002.

1.4 Administrative and Engineering Controls

As described in the IWD, administrative and/or engineering controls will be used to prevent and/or mitigate hazards and protect site personnel. If administrative and/or engineering controls do not prevent and/or mitigate the hazards, the appropriate PPE will be utilized.

1.5 Site Control

Access to the site will be controlled by site personnel. Personnel will work in groups of at least two people (buddy system), and have means of direct communication or maintain visual contact at all times. Formal Hazardous Waste Operations Exclusion Zones and Contamination Reduction Zones will be established per 29 CFR 1926.65. Work zones will be demarcated with fencing/barrier tape and postings.

1.6 Hazard Communications

Hazards at the site will be communicated to site personnel and visitors by the PIC. Site inspections will be conducted as described in Table 2. Any deficiencies identified during the inspections will be corrected and documented by site personnel. Site personnel will maintain communications with LANL personnel as described in Section 1.2.2. Any materials stored at the site (e.g., waste storage containers, PPE, sampling equipment) will be labeled. A Material Safety Data Sheet (MSDS) for each chemical product brought to the project site will be available for review in the Communications Notebook. The SSO or his/her designee shall maintain the MSDS.

1.7 Exposure Monitoring

Specific information on the personnel exposure pathways and the intended controls, preventive measures, bounding conditions, and training are detailed in Part 1 of the SWMU 61-002 IWD. The SSO will monitor factors such as weather forecasts, activities in neighboring facilities, and site conditions to minimize the exposure of personnel to hazards created by activities at each site. The SSO will evaluate project tasks and

determine appropriate PPE levels.

1.8 Personnel Protective Equipment

If the hazards present by a task cannot be mitigated by administrative or engineering controls, the appropriate PPE will be utilized. Each of the anticipated tasks, the potential hazards, and suitable PPE are presented in the IWD.

1.9 Project Spill Containment Plan

A spill response kit containing a minimum of shovels, brooms, and gloves will be available at the site during active field operations. Soil/debris excavated from SWMU 61-002 that is tracked by equipment or spilled during waste packaging will be swept into the open excavation or added to the waste accumulation container. If a spill originates from the equipment being used for remediation, soil from the excavation will be used to absorb liquids and minimize the area affected. Any material used to control liquid spills will be containerized separately until the appropriate disposal path can be determined. In order to minimize the potential for equipment leaks, all equipment used will be inspected daily before use. The equipment operator will complete an Equipment Safety Inspection Form and submit the completed form to the SSO. The SSO will notify the appropriate LANL personnel if a liquid spill occurs.

1.10 Project Emergency Action/Response Plan

In the event of an incident or emergency, on-site personnel shall function as the site emergency/incident coordinator and will immediately call 911. On-site personnel shall take control of the site until emergency services and/or Emergency Management and Response (EM&R) personnel arrive and assume control. A map indicating the route to Los Alamos Medical Center (Figure 3), the incident reporting flowchart (Figure 4), and incident/emergency contacts and telephone numbers (Table 1) are included in this SSHASP. Emergency evacuation routes will be discussed with the workers during the Pre-Job H&S Briefing to be conducted prior to initiating field activities and in the daily tailgate safety meeting.

1.10.1 Site Access

The site is accessible by paved and improved dirt roads. A current LANL badge is required to access TA-61. All site visitors must check in with the SSO.

1.10.2 First Aid/Cardiopulmonary Resuscitation (CPR)

At least one field team member who is properly trained in first aid and CPR must be present at the site during active field operations. Only qualified providers will be allowed to render CPR and first aid. Due to the proximity of the site to the LANL fire station, first aid support will be requested from emergency response personnel.

1.10.3 Emergency Response Equipment

First Aid/Bloodborne Pathogens Kits: A minimum of one first aid kit and one bloodborne pathogens kit will be on-site at all times. The first aid and bloodborne pathogens kits shall be inspected weekly and re-supplied by the SSO or designee. Contents shall meet the requirements of American National Standards Institute Z308.1-2003 – Minimum Requirements for Workplace First Aid Kits.

Communications: At least one working hardwired telephone or cell phone shall be present on-site during site activities. The incident reporting process shall be discussed to ensure that the field team understands whom to call in the event of an incident/emergency during normal work hours and during off-normal work hours.

Fire Extinguishing Equipment: At least one 10-pound (minimum) ABC fire extinguisher shall be

conspicuously located and readily accessible for each spark/flame producing operation and on or near each piece of heavy equipment. All extinguishers shall be inspected annually and at least once per month and the inspections shall be recorded on the extinguisher inspection tag. Fire restrictions and controls shall be based on the Fire Danger Rating Matrix located at http://int.lanl.gov/fire_matrix.html, which will be checked regularly by the SSO. If information changes, the SSO will notify field crew and addendums to field documentation will be available. All operations will be conducted to comply with LANL Fire Notice 0174, dated 4/17/2006.

Emergency Eyewash: The potential contaminants for this activity are located in oil-soaked soils. All site personnel are required to wear safety glasses. The sampling personnel will be the closest to the contaminated soil and will wear gloves and glasses. Portable eyewash bottles will be readily available for the potential of contaminant contact with the eyes. If the affected person needs further treatment, the portable bottles will be utilized while the person is transported to a hospital.

1.10.3.1 Muster Area Location

A site-specific muster area shall be determined by the PIC or designee and all field team members shall be informed of the location prior to the start of field operations. This location shall also be communicated to visitors when they arrive on-site.

1.10.3.2 Emergency Signal and Evacuation Plan

An air horn or a vehicle horn shall be used as the on-site emergency notification device. One blast of the horn will tell the crew to meet at the muster area. After the crew has assembled at the muster area, a head count will be performed using the daily tailgate form and visitor log. After the crew has been accounted for, they shall be directed where to report until the emergency is over. Every attempt will be made to shut down equipment prior to evacuation.

1.10.3.3 Emergency Route Map

An emergency route map to the Los Alamos Medical Center is included as Figure 3.

1.10.3.4 Incident Notification Process

The incident notification diagram is included as Figure 4. The emergency contact numbers are included as Table 1.

1.11 Medical Surveillance

Medical examinations of potential field personnel are required and conducted by a licensed physician certified in occupational medicine. The employee is provided a statement to qualify them to participate in site activities or restrict them to specific activities. The physical examination is in accordance with 29 CFR 1910.120(f) and the qualification is good for one year. The examination also determines the fitness for respiratory protection.

1.11.1 Inspection and Record Keeping

Table 2, Inspection and Recordkeeping Requirements, details the types of inspections and the person responsible for completing inspections, as well as the frequency.

1.11.2 Pre-Job Health and Safety Briefing Acknowledgement Form

All personnel participating in field activities for SWMU 61-002 are required to read this SSHASP and sign the Pre-Job Start Health & Safety Briefing & SSHASP Acknowledgment Form.

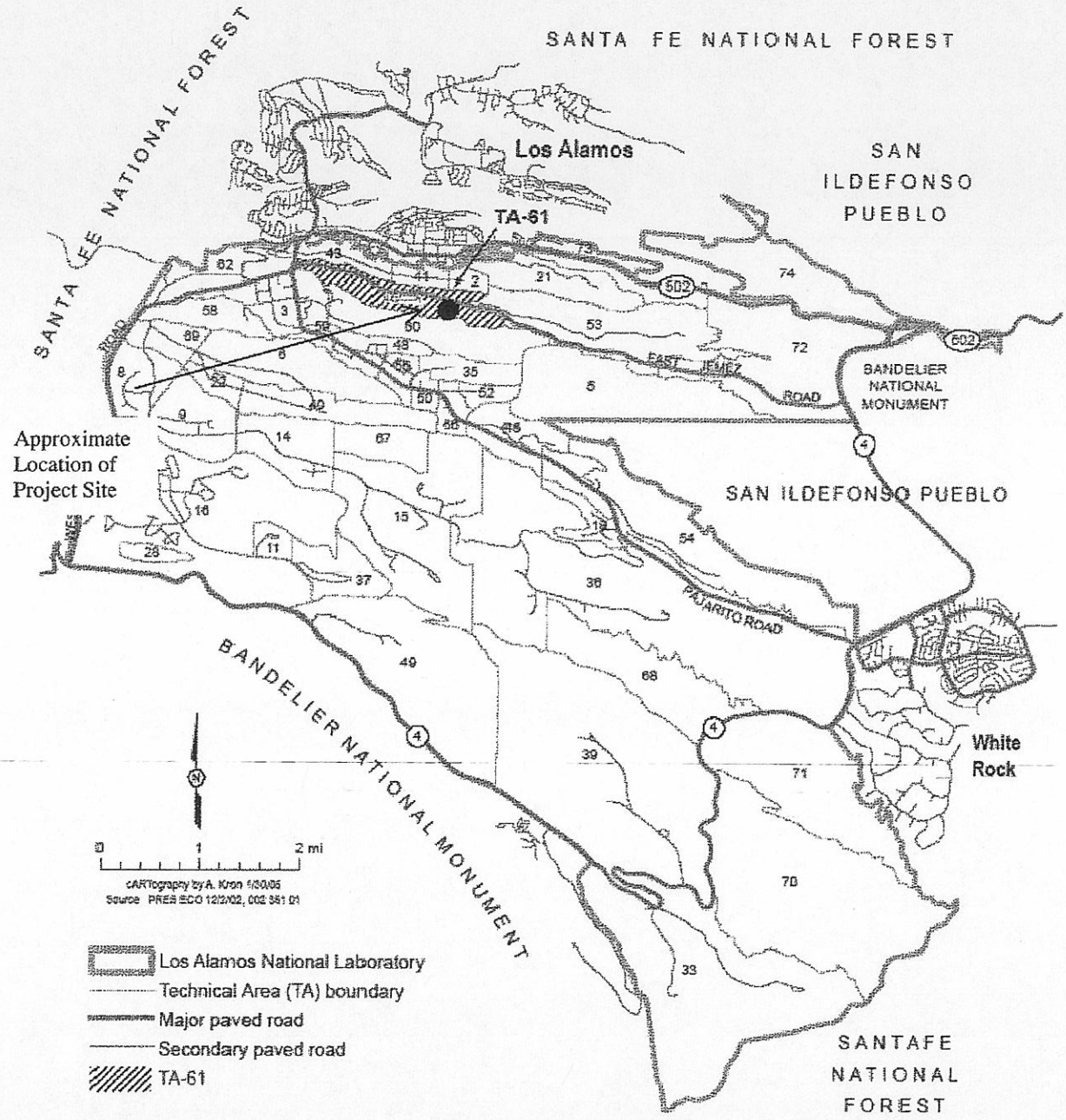


Figure 1. Location of TA-61 with respect to Laboratory TAs and surrounding land holdings

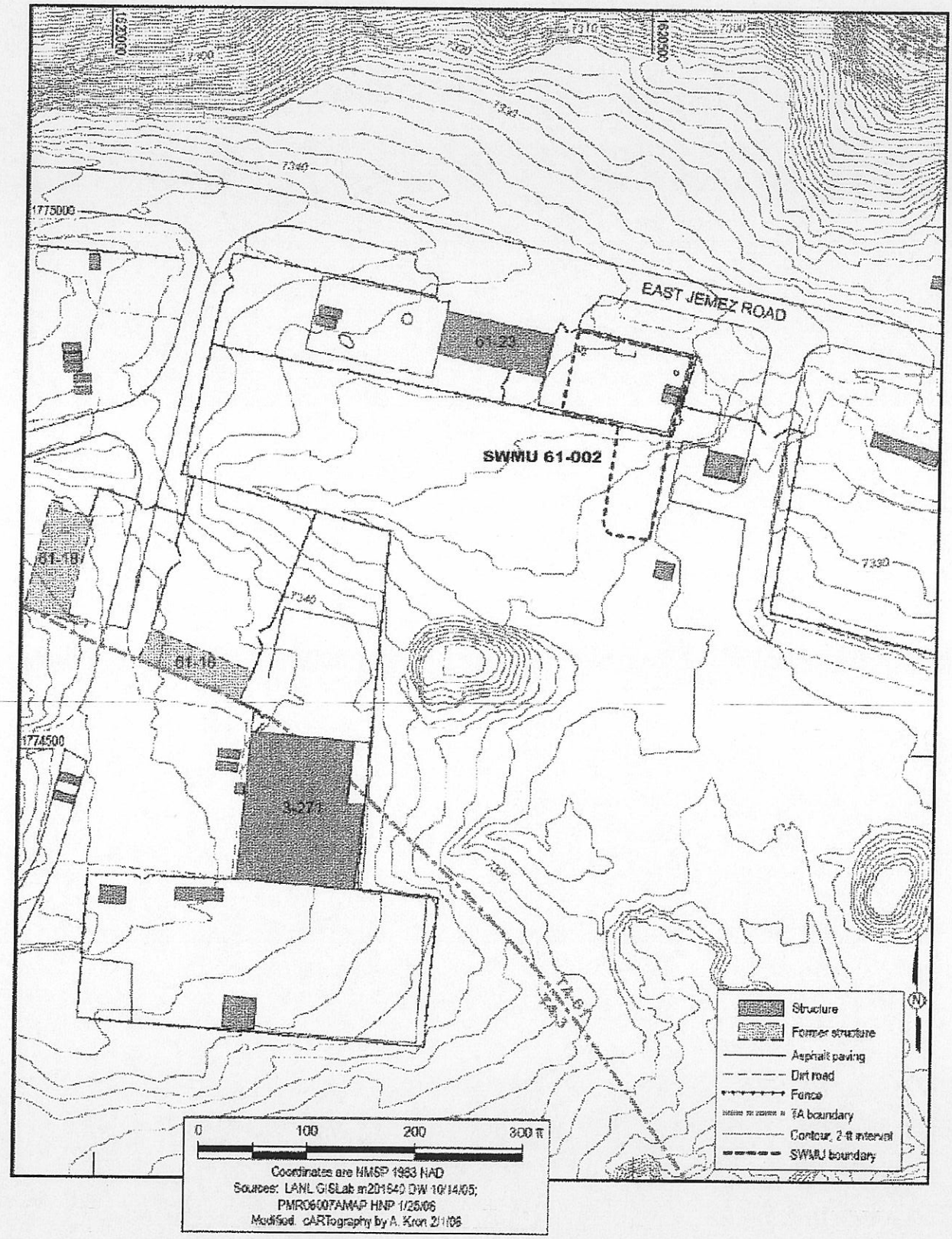


Figure 2. Location of SWMU 61-002

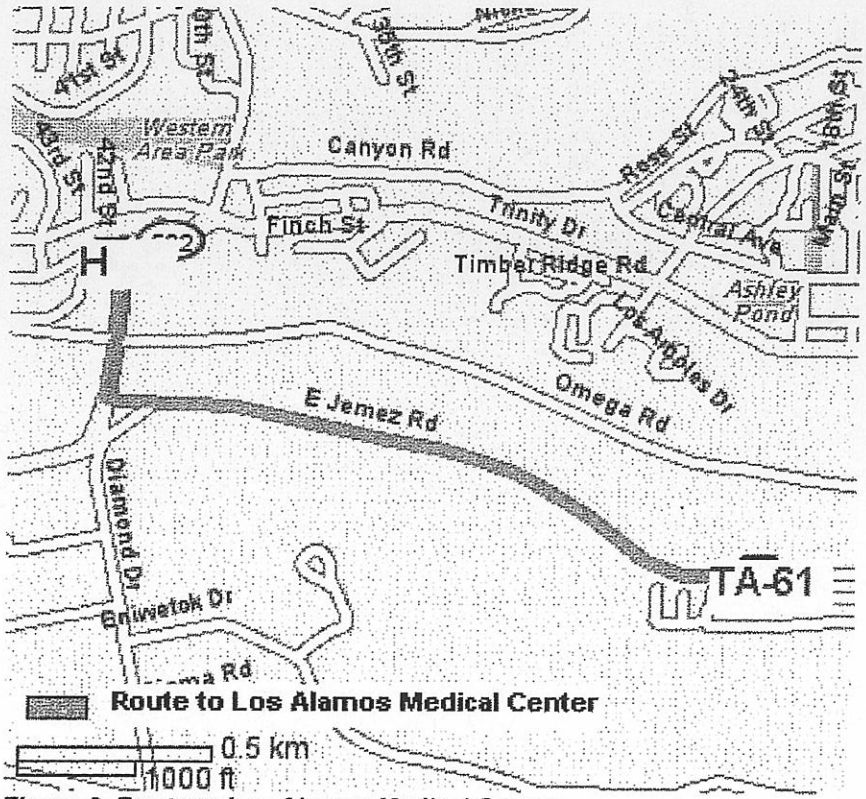


Figure 3. Route to Los Alamos Medical Center

Figure 4. Incident Reporting Flow Diagram

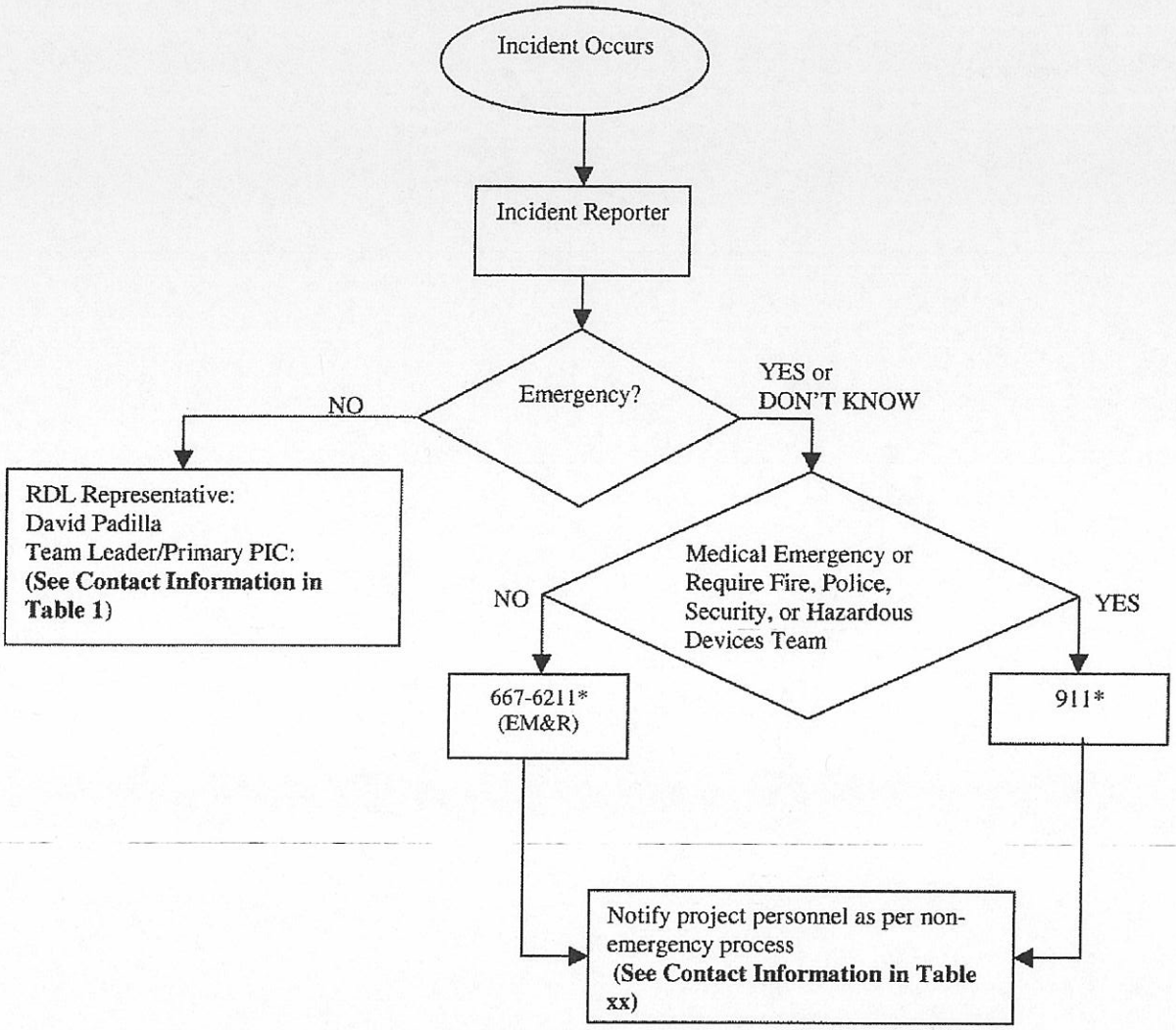


Table 1
Project Contacts

Title	Name	Org.	Work Phone	Cell Phone	Pager
RDL Representative/ Designated Group Leader	David Padilla	FM-UI	667-2408	669-2816	664-7648
Responsible Line Manager	Gordon Dover	LANL/EP-CA	665-4681	231-1477	664-1526
University Technical Representative (UTR)/PL	Melanee Shurter	LANL/EP-CA	667-7369	231-0520	664-5772
PIC	William Warren	MKM	505-881-0123	281-914-6214	-
HSR-1 Representative	Martin Peifer	LANL/HSR-1	665-4342	699-1063	-
HSR-5 Representative	Oliver Wilton	LANL/HSR-5	665-0731	231-4605	996-0877
HSR-5 Representative	Sam Rogers	LANL/HSR-5	665-1919	695-9573	996-0274
SSO	William Warren	MKM	505-881-0123	281-914-6214	-
Excavation Competent Person	William Warren or Billy Moses	MKM	505-881-0123	281-914-6214 281-914-6213	-
Waste Management Coordinator	Vickie Maranville, CHMM	MKM	505-881-0123	281-808-5739	-

- **If You Dial 911 From a Cell Phone, You Must Tell the Operator That the Emergency Is in Los Alamos**
- **Site Name/Location/Caller's Phone #**
- **Caller's Name**
- **Nature of Emergency (Include Hazards That Responders May Encounter)**
- **Number of Personnel Involved**
- **Condition of Affected Personnel (Age/Gender/Nature of Injury)**
- **Actions Taken and Assistance Required**

Subcontractor notifications shall be in accordance with the individual company policies.

Table 2
Inspection and Recordkeeping Requirements

INSPECTION REQUIREMENTS	
Inspections	**Inspector(s)**
Job site, material and equipment in accordance with 29 CFR 1926.20(b) (2)	SSO or designee
Stored materials in accordance with 29 CFR 1926.250	SSO or designee
Motor vehicles, mechanized and/or material handling equipment in accordance with 29 CFR 1926, Subparts N and O, subcontractor requirements, manufacturer's recommendations, and any applicable LANL requirements (initial – prior to acceptance at the site and daily)	Operator – Daily
Hand and power tools in accordance with 29 CFR 1926 Subpart I, subcontractor requirements, manufacturer's recommendations, and any applicable LANL requirements	User – Daily
PPE (29 CFR 1926 Subpart E)	User – Daily
Incident/emergency response equipment	SSO or designee – Initial SSO or designee – Monthly
Fire extinguisher equipment per 29 CFR 1926.150(a) and (c)	SSO or designee – Initial SSO or designee – Monthly
General sanitation (i.e., potable and non-potable water, toilets, washing facilities, eating and drinking areas, vermin control, and/or change rooms; per 29 CFR 1926.51	SSO or designee
Signs, signals, and barricades in accordance with 29 CFR 1926.200	SSO or designee
First aid and bloodborne pathogens kits, emergency eyewash	SSO or designee – Initial SSO or designee – Weekly
RECORDKEEPING REQUIREMENTS	
Record/Form	**Keep On-Site**
This SSHASP	X
Activity/Task Specific Integrated Work Documents	X
Daily Tailgate Safety Meeting Form	X
Exposure Monitoring Records	X
H&S Inspection Records	X

Appendix A - Forms

Pre-Job Start Health & Safety Briefing and SSHASP Acknowledgement Form
Activity-Specific—Health and Safety Field Tailgate Form

PRE-JOB START HEALTH & SAFETY BRIEFING & SSHASP ACKNOWLEDGMENT FORM

Project Title: **TA-61 SWMU 61-002 Project**

TA(s): **61**

Conducted by:

Printed Name | Title | Employer or LANL Group | Z Number

Signature | Date

I acknowledge that I understand the requirements applicable to this project, and have read or been briefed on the contents of this SSHASP.

NAME	EMPLOYER/GROUP	Z NUMBER	SIGNATURE	DATE

ENV-ECR Group
Activity-Specific—Health and Safety Field Tailgate

SSHASP No: _____ IWD/AJHA No. _____			Project Title:
Other Reference (e.g., RWP, SOP)_____			_____
TA:	Building:	Room: Additional Location Description:	

New Task Briefing _____ **Refresher Briefing** _____

Activity Description/Overview:

Work Tasks/Steps	Hazards / Concerns	Controls (specific PPE, monitoring, spotters, etc.)

I acknowledge that I understand the tasks, hazards, and hazard controls applicable to the activities listed above. I have read or been briefed on the contents of the IWD/AJHA and SSHASP.

Print Name	Signature	Z Number	Employer/Group	Date

env.ecr.h&S.tailgate 2006

Los Alamos
NATIONAL LABORATORY
EST. 1943
The World's Greatest Science Protecting America

IWD Part 3, Validation and Release

IWD#: ER2006-0634 Revision #: ADDENDUM-1

Pre-Job Brief Content

- What are the critical steps or phases of this activity?
- How can we make a mistake at that point?
- What is the worst thing that can go wrong?
- What controls, preventive measures, and bounding conditions are needed?
- What work permits are required and how will we meet their requirements?
- What are the handoffs and coordination requirements among workers and multiple PICs?
- Are there hold-points including those that require sign-offs?
- What are the stop work responsibilities and expectations (e.g. for unanticipated conditions or hazards)?
- How would we respond to alarms and emergencies?
- Are there lessons learned from previous similar work?
- Is other information needed to perform this activity in a safe, secure, and environmentally responsible manner?
- Does everyone agree to the work tasks/steps, hazards, and controls and commit to follow them?

Pre-Job Brief Attendance Roster	
By signing below, I agree to the following: ▪ I agree to follow the work steps and implement the controls as written. ▪ I agree to stop work when conditions or hazards change or when I encounter unexpected conditions during the execution of work, or when work cannot be performed as written, or instructions become unclear during execution. ▪ I confirm that I am authorized, qualified, and, fit to perform the work.	
Worker (Signature/Z #/Date) **Required**	Worker (Signature/Z #/Date)
Worker (Signature/Z #/Date)	Worker (Signature/Z #/Date)
Worker (Signature/Z #/Date)	Worker (Signature/Z #/Date)
Worker (Signature/Z #/Date)	Worker (Signature/Z #/Date)
Worker (Signature/Z #/Date)	Worker (Signature/Z #/Date)

Work Release
By signing below, I verify this activity is compatible with current facility configuration and operating conditions RDL designated facility point-of-contact (Signature/Z #/Date) **If required by RDL** Approval of activity expires _____ Date
By signing below, I have verified the following: • I have verified authorization by ensuring approval signatures of the RLM and RDL. • I have jointly conducted a walkdown with workers to confirm the IWD can be performed as written, required initial conditions and other prerequisites are in-place. • The assigned workers are authorized and are qualified to perform the work in a safe, secure, and environmentally responsible manner. • I have conducted the pre-job briefing, and all workers have been briefed. • I have ensured coordination with any required RDL work-area representatives (e.g., area work coordinators).
PIC (Signature/Z # /Date) **Required**
Alternate PIC Signatures when PIC authority is assumed the first time (*Note: alternate PICs are required to sign only once, but formal handoff and employee notification are required for each PIC change*). Alternate PIC (Signature/Z #/Date) **Required** _____ Alternate PIC (Signature/Z #/Date) **Required** _____ Alternate PIC (Signature/Z #/Date) **Required** _____

Los Alamos
NATIONAL LABORATORY
EST. 1943
The World's Greatest Science Protecting America

IWD PART 2,
RDL Requirements and Approval for Entry and Area Hazards and Controls

Non-Tenant Activity Form

IWD No./WR No: _____ Revision #: _____

RDL must determine the facility entry and coordination requirements and identify the ES&H/S&S hazards and controls associated with the activity location.

FMU	TA	Bldg.	Room	Other Location
RDL Designated Facility Point-of-Contact	Name	Phone	Pager	Email

Entry and Coordination Requirements (*Check one or more of the following*)

- ☐ No entry/coordination requirements
- ☒ POTD/POTW
- ☒ Work must be scheduled
- ☒ Co-located Hazards/Concerns
- ☐ Review under AB/Safety Basis/USQ
- ☒ RDL designated facility point-of-contact must sign IWD Part 3
- ☒ Check in at Start of Work
- ☐ Check in Daily
- ☒ Check out at End of Work
- ☐ Check out Daily
- ☒ Work-Area Training Required
- ☒ Escort Required
- ☐ Quality Issues
- ☐ Other Bounding Conditions _____
- ☐ Security Clearance Requirements
- ☐ Other Security Requirements

Additional Comments

Instructions: In the block below, identify work-area hazards that could potentially affect the worker(s). Specify the facility controls and preventive measures that must be implemented by the worker(s) to protect against the site hazards as well as any special training required.

ES&H/S&S WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s).	**Work Area Hazard Present**	**Facility Controls/Preventive Measures/Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements
☐ **No Work Area Hazards**				
Ionizing Radiation Work in posted radiological areas, work with radioactive materials, or work on or near radiation producing devices. **Specify Hazard:** _____	☐ Yes ☐ No			
Worker Exposure Working near non-ionizing radiation, beryllium, noise, chemicals, hazardous biological materials, lead, asbestos, temperature/humidity extremes, or high explosives. **Specify Hazard:** _____	☒ Yes ☐ No	PPE, RESPIRATORS		

ES&H WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s).	**Work Area Hazard Present**	**Facility Controls/Preventive Measures/Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements
Energized and Operative Systems Working near energized electrical parts, pressure systems, steam lines; near unprotected belts, pulleys, chains or rotating equipment; fuel fired equipment other than vehicles; or spark or flame producing operations. **Specify Hazard:** _____	☐ Yes ☒ No			
Confined Spaces Entry into tanks, manholes, cooling towers, sumps, or any other area with potentially low oxygen concentration or other hazards such as toxic vapors or engulfment. **Specify Hazard:** _____	☐ Yes ☒ No			
Elevated Work Surface Unprotected structures or work surfaces elevated by more than 4 feet.	☐ Yes ☒ No			
Environmental Impact Activities conducted in areas containing potential release site, contaminated soil, sensitive species, watercourse wetlands, floodplain, historical/archeological sites, or other work area condition that can be impacted by or can impact the environment. **Specify Hazard:** _____	☐ Yes ☒ No			
Security or Other Hazard **Specify Hazard:** _____	☐ Yes ☐ No			

I have confidence that the IWM process has been applied appropriately, and I approve this activity to be performed in my facility.

RDL or Representative **Approval**

(Signature/Z #/Date) **Required** _____ Date Approval Expires _____

Implementation of Addendum to the Accelerated Corrective Action Work Plan for the Investigation and Remediation of AOC 03-001(i) and SWMUs 03-029 and 61-002
Integrated Work Document
Part 1 - Activity Specific Information – ADDENDUM #1 TO IWD

IWD#:ER2006-0634 **Revision#:**Addendum.1			**Activity/Task Title:** Implementation of Addendum to the Accelerated Corrective Action Work Plan for AOC 03-001(i) and SWMUs 03-029 and 61-002
Work Document #: (work order #) Not Applicable			
TA: 54	**Building:** NA	**Room:** NA	**Additional Location Description:** Los Alamos National Laboratory, Technical Area 54, Area G, Pad 7

Activity Description/Overview

This Integrated Work Document (IWD) and associated Site Specific Health and Safety Plan (SSHASP) ER 2006-0635 "Implementation of Corrective Action Work Plan for AOC 03-001(i) and SWMUs 03-029 and 61-002" addresses fieldwork associated with characterization and remediation of Solid Waste Management Unit (SWMU) 61-002 located within the Upper Sandia Canyon Aggregate Area at Los Alamos National Laboratory. The Laboratory plans to perform supplemental investigation and remediation activities related to an area of petroleum contamination that was discovered during the initial site characterization that was performed under the original ACA work plan: "Accelerated Corrective Action Work Plan for the Investigation and Remediation of AOC 03-001(i) and SWMUs 03-029 and 61-002" (LA-UR-04-07879). The area of petroleum contamination is located near the northwest portion of SWMU 61-002 and extends north and west (under the former location of Building 61-23) and just outside the formal SWMU boundary. Although a partial characterization and remediation of the petroleum contamination was performed, additional characterization activities are needed to define the vertical and lateral extent of contaminated soil. SWMU 61-002 will be investigated and remediated because the site lies in the path of the Security Perimeter Road in TA3 and will likely be inaccessible during and after the road has been completed. An Addendum to the Accelerated Corrective Action Work Plan (LA-UR-06-1085) has been prepared to address the planned activities.

All provisions of the original IWD and SSHASP are still in effect and shall be implemented. The objective addressed in this IWD ADDENDUM #1 is to transfer soils classified as hazardous waste from a 55-gallon drum to a roll off container. The drum and roll-off container were relocated from TA-61 and are now at TA-54, Area G, Pad 7.

RCRA metals at levels greater than reg limits
Respirator required
Need more IH/safety support
limits of metals for workers

John Gurry - RCT
6-1555

Steve Kosler
5-8675
231-3577

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
		General Site Hazards		
Transfer of Soils Classified as Hazardous Waste from 55-Gallon Drum to Roll-off Container	Slips, trips and falls	• Use caution and be observant during conditions of potential concern such as mud, snow, and ice.	SSHASP ER2006-0635 MKM HASP Section 5.4.7, General Safety Hazards	None
	Improper hand tool use	• Tools shall be inspected by the user prior to use. • Tools shall be utilized for their intended purpose. • Wooden handles shall be free of splinters or cracks and shall be kept tight in the tool.	SSHASP ER2006-0635	None
	Chemical Exposure	• Personnel shall wear tyvek coveralls and leather gloves during transfer of material to avoid direct contact with contaminated soils.	SSHASP ER2006-0635 MKM HASP Section 5.4.2, Chemical Exposure, Section 8.0, Hazard Communication and Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment	General PPE Training
The RLM approves work based upon confidence that this IWD has been properly prepared, that the work will be performed within ES&H/S&S requirements, and will be performed in accordance with this IWD.			**RLM** (Signature / Z# / Date) **Required** DAN COX _____	
☒ Moderate-hazard ☐ High-hazard/complex Standing ☐ Repetitive ☐ Qualified Worker	Date when RLM re-approval is required July 07, 2007 Other Conditions for Re-Approval _____ Name of Primary PIC: Robyn Peterson Name of Alternate PIC: Mike Le Scouarnec		Any required classification review completed, _____ Signature/Date	

Implementation of Addendum to the Accelerated Corrective Action Work Plan for the Investigation and Remediation of AOC 03-001(i) and SWMUs 03-029 and 61-002
Integrated Work Document
Part 1 - Activity Specific Information

IWD#:ER2006-0634 **Revision#:**0			**Activity/Task Title:** Implementation of Addendum to the Accelerated Corrective Action Work Plan for AOC 03-001(i) and SWMUs 03-029 and 61-002
Work Document #: (work order #) Not Applicable			
TA: 3	**Building:** NA	**Room:** NA	**Additional Location Description:** Los Alamos National Laboratory, Technical Area 3, Outdoors

Activity Description/Overview

This Integrated Work Document (IWD) and associated Site Specific Health and Safety Plan (SSHASP) ER 2006-0635 "Implementation of Corrective Action Work Plan for AOC 03-001(i) and SWMUs 03-029 and 61-002" addresses fieldwork associated with characterization and remediation of Solid Waste Management Unit (SWMU) 61-002 located within the Upper Sandia Canyon Aggregate Area at Los Alamos National Laboratory. The Laboratory plans to perform supplemental investigation and remediation activities related to an area of petroleum contamination that was discovered during the initial site characterization that was performed under the original ACA work plan: "Accelerated Corrective Action Work Plan for the Investigation and Remediation of AOC 03-001(i) and SWMUs 03-029 and 61-002" (LA-UR-04-07879). The area of petroleum contamination is located near the northwest portion of SWMU 61-002 and extends north and west (under the former location of Building 61-23) and just outside the formal SWMU boundary. Although a partial characterization and remediation of the petroleum contamination was performed, additional characterization activities are needed to define the vertical and lateral extent of contaminated soil. SWMU 61-002 will be investigated and remediated because the site lies in the path of the Security Perimeter Road in TA3 and will likely be inaccessible during and after the road has been completed. An Addendum to the Accelerated Corrective Action Work Plan (LA-UR-06-1085) has been prepared to address the planned activities.

The objective addressed in this IWD is to complete the characterization and remediation in support of obtaining an NMED Certificate of Completion for SWMU 61-002. To meet this objective, the following activities will be performed (1) Mobilization and installation of erosion control BMPs; (2) Collection of soil and tuff samples using a drill rig; (3) Removal and disposal of potentially contaminated soil; (4) Collection of confirmation soil samples; and (5) Site restoration and demobilization.

Mobilization to the site will include a survey of the area to locate and install any required drainage control measures (BMPs) and to locate utilities. Site personnel will utilize a pickup for transportation to and from the site. A drill rig will be mobilized to the site to collect characterization samples using a continuous core sampler. Field screening using a photo-ionization detector (PID) will be conducted during drilling activities. Based on field screening and laboratory analytical results, the contaminated soil will be removed using an excavator and loaded into rolloff containers for disposal. An estimated 250 cubic yards will be excavated and disposed at the Rio Rancho Landfill as New Mexico Special Waste. Confirmation sampling will be done via the excavator bucket. The excavated areas will be filled with soil obtained from an approved borrow source, compacted to specified criteria, graded to match the surrounding contours, and seeded. A compactor will be brought to the site for the restoration activities.

For this IWD, the project has been broken down into the following major activities: General Site Hazards; Site Setup and Mobilization; Drilling, Sampling, and Borehole Abandonment; Excavation and Disposal; Site Restoration and Demobilization; and Equipment Refueling.

Only personnel who have received all training according to their specific personnel training matrix will be authorized to work on-site. This includes all general LANL training in addition to project-specific and site-specific ECR training.

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
		General Site Hazards		
General fieldwork	Work performed outside. Cultural, ecological, or water quality restrictions	• Check the GIS database to determine if the project has special cultural, ecological, or water quality location restrictions.	NEPA	None
	Storm water runoff for disturbed areas ≥ 1 acre. Defined by EPA as Small Construction.	• Requires NPDES Permit for Storm Water Discharge from Construction Activities and Storm Water Pollution Prevention Plan (SWPPP). • Utilize Best Management Practices (BMPs) to prevent excavated materials and other pollutants from being washed off site. • Contact Robin Reynolds ENV-WQH 667-4689 with questions on SWPPP and BMP applications, installation, and maintenance.	Project specific addendum to the Environmental Restoration - SWPPP PR-ID# 06P-0056	None
	Undocumented changes/impacts to a Potential Release Site (PRS)	• Check PR-ID to see if ENV-RS has approved the project. • Project personnel shall thoroughly document changes/impacts through photographs, field documentation, and waste management documentation. • Submit documentation to ENV-ECR Records Processing Facility.	PR-ID# 06P-0056 Quality Procedure (QP) 5.7 Notebook Documentation for Environmental Restoration Technical Activities	Read Training to QP 5.7
	Improper disposition of material excavated from a PRS	• Any material removed from a PRS must be characterized and managed in accordance with LANL waste management requirements. • Contact the Waste Management Coordinator for assistance. • No waste materials may be removed from within the boundaries of a PRS without an approved Waste Profile Form, disposition path, designated Waste Management Coordinator, and approval from ENV-RS (665-5138)	Waste Profile Form LIR 404-00-03 General Waste Management Requirements LIR 404-00-04 Managing Solid Waste	
	NEPA review and approval	• Contact ENV-ECO NEPA team at 665-8961 • Check PR-ID to see if NEPA review and approval have been completed.	PR-ID# 06P-0056	None
	Work area is adjacent to, within, or crosses over a wetland or watercourse.	• Contact ENV-WQH for assistance in complying with CWA Section 404 Dredge and Fill requirements and New Mexico Section 401 Water Quality Certification. • Contact Bob Beers ENV-WQH at 667-7969.	PR-ID# 06P-0056 LIR 404-50-01 Water Pollution Control	

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
General fieldwork (cont.)	Protection of migratory birds for work conducted in June. Work in Mexican Spotted Owl core and buffer habitat.	• Contact Dave Keller ENV-ECO 665-8961 • ENV-ECO approval required prior to authorization of work. • Check PRID to see if NEPA review and approval have been completed. • Vegetation/trees may be removed per Biological Assessment LA-CP-02-324 and Migratory Bird Assessment. • Increased night lighting allowed per Biological Assessment LA-CP-02-324. • Noise generating equipment allowed per Biological Assessment LA-CP-02-324.	Biological Assessment LA-CP-02-324 PR-ID# 06P-0056	None
	Work in a historic building site. Work within 100' of an archeological site.	• Contact ENV-ECO, Cultural Resources Management Team at 665-8961; project may need to be relocated. • Contact ENV-ECO (665-8961) at least 5 work days before any work begins so site boundaries can be marked; additional monitoring requirements may apply.	PR-ID# 06P-0056	None
	Vehicular accident	• Transport wide loads during off-hours, when possible. • Determine the safest route to the site prior to mobilization. • Maintain vehicles in safe condition and wear seat belts. • Minimize and consider not using cellular phones or like devices while the vehicle is in motion. • Do not leave unattended vehicles idling. • Obey all posted speed limits. • Be observant for animals, bicyclists, joggers and other pedestrians on or near the roadway. • Ensure that the towing vehicle and associated equipment have the rated capacity to handle the trailer. • Ensure that the trailer lights and brakes, if equipped, are functioning and that the safety chains are connected to the vehicle prior to moving the vehicle and trailer.	SSHASP ER2006-0635 LIR402-1320.01.X Vehicle and Pedestrian Safety	Valid Drivers License

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
General fieldwork (cont.)	Vehicle traffic	• Institute traffic controls as necessary when working on or near roadways. • All personnel exposed to vehicle traffic shall wear warning vests marked with or made of reflective or high visibility material.	SSHASP ER2006-0635 MKM Corporate Environmental Safety and Health Program, Rev. 7, December 2004 (MKM HASP) Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment LIR402-1320.01.X Vehicle and Pedestrian Safety	General PPE Training
	Head, foot, and eye injury.	• Personnel will wear long pants, safety-toed boots, and safety glasses. • When work is performed in proximity to heavy equipment or when overhead hazards exist, personnel shall wear hard hats.	MKM HASP Section 11.0, Personal Protective Equipment SSHASP ER2006-0635 LIR 402-1000-01.X Personal Protective Equipment	General PPE Training
	Slips, trips and falls	• Use caution and be observant while in areas of potential concern such as grassy areas. • Implement good housekeeping practices and clearly mark slip, trip, fall hazards that cannot be eliminated.	SSHASP ER2006-0635 MKM HASP Section 5.4.7, General Safety Hazards	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
General fieldwork (cont.)	Fire	• At least one 10 lb. A:B:C rated fire extinguisher shall be maintained readily accessible near fuel fired equipment. • Comply with requirements in LANL Alerts, Fire Danger Estimates, and Fire Matrix. • Check LANL homepage, http://int.lanl.gov/fire_matrix.html or contact Emergency Management and Response (7-6211), for the latest fire conditions. • Only trained personnel will be allowed to use fire extinguishers. The LANL emergency response and Los Alamos County Fire Department will be notified prior to the start of work. • Personnel will be instructed to ground/bond equipment involved in bulk refueling operations, allow equipment to cool before refueling, and not start portable equipment within 10 ft of the refueling area. • No open flames will be allowed during refueling. • **All operations will be conducted to comply with LANL Fire Notice 0174, dated 4/17/2006 and any thereafter.**	SSHASP ER2006-0635 MKM HASP Section 5.4.3, Explosion and Fire LANL Alerts, Fire Danger Estimates, and Fire Matrix LANL Fire Notice 0174	Fire Extinguisher Training
	Inability to summon emergency personnel	• Use the Buddy system. • At least one field team member will have a cellular telephone and be trained in First Aid/CPR.	SSHASP ER2006-0635 MKM HASP Section 18.0, Site Emergencies	First aid and CPR
	Lightning	• If thunder is heard, personnel shall maintain awareness of the proximity of the thunderstorms and changing weather conditions. • If you see lightning and thunder is heard within 30 seconds (approximately 6 miles), seek shelter in a vehicle with the windows rolled up, trailer, or permanent structure. • Remain in the sheltered location for 30 minutes following the last lightning strike within 6 miles. • Do not remain upright in an open area or seek shelter near tall, upright objects (e.g., trees, drill rig mast).	SSHASP ER2006-0635 LIG 402-10-01A.X Lightning Safety	None
	Hanta virus	• Look for and avoid rodent droppings and nests. If droppings or nests must be disturbed to complete work, notify the FM and/or KSL for disinfecting.	SSHASP ER2006-0635 MKM HASP Section 5.4.6, Biological and Medical Waste Hazards LIR 402-530-00.X Biological Safety	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
General fieldwork (cont.)	Wildlife encounters	• Avoid contact with all wildlife, especially those that are injured or exhibiting unusual behaviors which may be a sign of illness.	SSHASP ER2006-0635 MKM HASP Section 5.4.6, Biological and Medical Waste Hazards LIR 402-530-00.X Biological Safety	None
	Snake/spider bites	• When possible, walk only on established trails and paths as much as practicable to avoid rattlesnakes. • Watch for snakes and spiders when walking through or standing in grassy areas. • Avoid turning over items in the field such as rocks, wood, under which rattlesnakes, insects, or spiders may be present.	SSHASP ER2006-0635 MKM HASP Section 5.4.6, Biological and Medical Waste Hazards	None
	Bee/wasp stings	• Watch for and do not disturb bee/wasp nests.	SSHASP ER2006-0635 MKM HASP Section 5.4.6, Biological and Medical Waste Hazards	None
	Bloodborne pathogens	• Treat all blood and bodily fluids as if known to be infectious for HIV, HBV, and other bloodborne pathogens. • At least one field team member will have current Bloodborne Pathogens training.	SSHASP ER2006-0635 LIR 402-530-00.X Biological Safety	Bloodborne Pathogens
	Heat stress	• Inform personnel of signs and symptoms of stress. • Monitor personnel for indications of stress. • Prevent exposure by implementing appropriate work regimen, including work breaks so personnel can warm up or cool down.	SSHASP ER2006-0635 MKM HASP Section 5.4.9, Heat Stress Current ACGIH Threshold Limit Values (TLVs) LIR 402-820-01.X Noise and Temperature Extremes	Heat Stress Training
	Poor housekeeping	• Practice good housekeeping. • Personnel shall not allow tools, equipment, and materials to become a hazard (tripping hazard).	SSHASP ER2006-0635	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
General fieldwork (cont.)	Improper hand and power tool use	• Tools shall be inspected by the user prior to use. • Tools shall be utilized for their intended purpose. • Wooden handles shall be free of splinters or cracks and shall be kept tight in the tool. • All guards shall be in place and no modifications shall be made. • Personnel shall not wear loose clothing, badge lanyards, or jewelry and long hair shall be restrained when using power tools. • Portable power tools shall be plugged into GFCI protected outlets and will be UL listed with a three wire grounded plug. If the cord is not three wired, the tool shall be double insulated. • Cords shall be inspected by the user prior to use and protected from unnecessary damage. • Any tool whose cord shows signs of damage or deterioration shall be immediately removed from service. • Disconnect tools from power source before changing accessories.	SSHASP ER2006-0635	None
	Pinch points	• Personnel should be aware of items on field support equipment (i.e., trailers and connecting trailers to hitches) that can cause pinch points and take care when conducting operations where pinch point hazards exist. • Personnel shall wear leather or equivalent work gloves when pinch points are present.	SSHASP ER2006-0635 MKM HASP Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment	General PPE Training
Site Setup and Mobilization				
Accessing the site	Overhead electrical lines	• Conduct pre-job site walkdown to identify electrical line locations. • Maintain the following minimum distances for operations, as specified in 29 CFR 1926.550(a)(15)(i) and (ii): – For live lines rated ≤ 50 kV; Maintain a minimum distance of 10 ft between live lines and any part of equipment or load. – For live lines rated > 50 kV; Maintain a minimum distance of 10 ft + 0.4 inches (.033333333 feet) for each 1 kV over 50 kV or twice the length of line insulator but never less than 10 ft. Examples: voltages ≤ 50 kV: 10 ft minimum	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety LIR 402-600-01.X Electrical Safety	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
		345 kV: 20 ft minimum (10 ft + 295 x . 033333333) 750 kV: 33 ft minimum (10 ft + 700 x . 033333333) • Designate a person to observe clearances of the equipment and give timely warning for all operations where it is difficult for the operator to maintain the desired clearance by visual means.		
Locating heavy equipment and other equipment, and pedestrian traffic at the work site	Snow/ice covered or muddy roads and work surfaces	• Consider postponing work until road and work surface conditions improve. • Use caution when driving on snow covered or muddy roads. • Apply snow/ice melt or sand to work surfaces that pose a slipping hazard. • Consider covering work surfaces with mats.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
Unloading heavy equipment	Heavy equipment falling off delivery trailer	• Unload equipment in a safe and deliberate manner. • Use spotters to direct the operator while driving heavy equipment on and off trailers.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
	Personnel being struck or crushed by heavy equipment	• Personnel shall not position any part of their bodies under heavy equipment during activities such as removing blocking or cribbing. • Remove all unauthorized personnel from the unloading area.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
Operating heavy equipment	Heavy equipment in poor operating condition	• Inspect heavy equipment upon arrival to the site and daily prior to start of work. • Backup alarms shall be operational and audible above the surrounding noise level.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
	Hydraulic line failure resulting in leak, personnel exposure, or fire	• Inspect hydraulic lines and connections.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Operating heavy equipment (cont.)	Personnel being struck or crushed by heavy equipment	• Be observant as to your location with respect to heavy equipment. • All personnel exposed to heavy equipment shall wear warning vests marked with or made of reflective or high visibility material. • Should ground personnel need to approach heavy equipment, eye contact shall be made with the operator who will ground all implements, disengage the hydraulic system if possible, set the parking brake, and give a hand signal indicating that ground personnel may approach. • Personnel shall pay particular attention to the swing path of the counterweights or implements on heavy equipment. • At no time will personnel position themselves under hydraulically operated implements such as backhoe booms and buckets. • Watch for and stay clear of pinch points.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
Manually handling and staging BMPs, sampling supplies, and other equipment	Pinch points, unstable materials, splinters, cuts, slippery loads	• Personnel shall wear leather or equivalent work gloves. • Be aware of pinch points when staging materials next to each other or next to other objects. • Avoid staging materials in close proximity to work activities where they may be knocked over or fall on personnel. • Inspect items to be lifted for slivers, jagged or sharp edges, burrs, and slippery surfaces.	SSHASP ER2006-0635 MKM HASP Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment	General PPE Training
	Back injury	• Use mechanical lift assist equipment when practicable. • Repackage to reduce weight and/or bulk. • Ensure path of travel is clear. • Use a wide balanced stance. • Keep item being lifted as close to the body as possible. • Keep lower back in normal arched position. • Keep head and shoulders up as the lifting motion begins. • Lift with legs and stand up in a smooth, even motion. • Avoid twisting at the waist. • When practicable, use two (or more) people to lift and carry loads >50lbs. or loads that are bulky or awkward.	SSHASP ER2006-0635 LIR 402-870-01.X Ergonomics	Proper lifting techniques
	Vehicle accidents	• Stage materials outside of the path of traffic • Place cones or barricades around staging areas as necessary	SSHASP ER2006-0635 LIR402-1320.01.X Vehicle and Pedestrian Safety	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Cutting erosion control mats	Sharp edges and points	• Personnel shall wear leather or equivalent work gloves. • Cut away from the body. • Wear a heavy leather apron or other protective clothing when it is not possible to cut away from the body. • When possible, use a rack or holder for the material being cut. • Use scissors • Knife blades shall be retracted or sheathed when not in use.	SSHASP ER2006-0635 MKM HASP Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment	General PPE Training
Driving posts/stakes into the ground for site control	Hand tools	• Tools shall be inspected by the user prior to use. • Tools shall be utilized for their intended purpose. • Wooden handles shall be free of splinters or cracks and shall be kept tight in the tool.	SSHASP ER2006-0635	None
	Pinch points and crushing hazards	• Personnel shall wear leather or equivalent work gloves. • Personnel shall keep hands away from the connection point between air rotary casing and borehole casing. • Personnel shall not position themselves under hoisted loads.	SSHASP ER2006-0635 MKM HASP Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment	General PPE Training
Driving posts/stakes into the ground for site control/silt fence (cont.)	Exposure to or damage to underground utilities	• A visual inspection of the area shall be conducted. • An excavation permit shall be obtained and a utility locate shall be conducted. • Personnel shall not work outside the boundaries of the utility locate/permit. • A potholing plan will be developed and implemented for activities adjacent to known underground utilities. • **If any utility is discovered, personnel shall immediately stop all work and notify the LANL Team Leader.**	SSHASP ER2006-0635 LIR 402-880-01.X Excavation/Soil Disturbance Permit Process Excavation Permit	None
Drilling, Sampling, and Borehole Abandonment				
Drill Rig Inspection	Faulty equipment and hazards derived there from	• Inspect drill rig upon arrival to the site and daily prior to start of work. • Equipment will be inspected per manufacturer's recommendations and good industry practice. • Be observant as to your location with respect to moving and overhead parts. • Approach the drill rig only when necessary and when operations permit.	SSHASP ER2006-0635 MKM HASP Section 15.4, Drill Rig Operations MKM ESHP 401, Drill Rig Operation,	Driller will be certified by employer as a competent operator of the drill rig which is being operated.

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
		• Only qualified personnel shall operate the drill rig Per DOE (Drilling Safety Manual, 1983 and Construction Safety Reference Guide, 1993) • Drilling rigs shall be designed, manufactured, erected, used, and maintained in accordance with appropriate American Petroleum Institute (API) Specifications and Recommended Practices, as a minimum, with applicable sections of 29 CFR 1926.251 and Subpart N. Hoist, hooks, wires, ropes, slings, and rigging accessories shall be designed, installed, operated, inspected, and tested in accordance with applicable requirements of the DOE Hoisting and Rigging Manual (April 1993, DOE/ID-10500), and with applicable sections of the 29 CFR 1926.251 and Subpart N of 29 CFR 1926. • There shall be no apparent damage, excessive wear, or deformation of any part of the drilling equipment. • Equipment shall be inspected by a qualified/ competent person at the frequencies indicated below. Defective equipment shall be removed from service and any defects shall be corrected or repaired before equipment is put into service. Records of each inspection shall be kept at the rig readily available for review. Reduction of original strength shall be noted and taken into account for determining when equipment shall be taken out of service. • Rigs and masts shall be inspected at least weekly. • Hoists, hooks, wires, ropes, slings, and rigging accessories shall be inspected at the beginning of each shift which they are to be used and as necessary during use to ensure safety. - Hoisting lines shall be inspected visually each day and thoroughly at a minimum of 30-day intervals. • Guy wires in use shall be thoroughly inspected at least once a year. • Anchors shall be pull-tested along an angle approximating the wind guy working plane within 12 months prior to use; test shall be made at poundage determined by anchor locations. • Each derrick or mast and hoist shall be permanently marked with its rating capacity. Drill rigs must be leveled, anchored, and guyed in accordance with manufacturer's recommendations or where there are none, with API Specification 4E. • Pressure-hose connections shall be secured with safety chains or other suitable devices, or clamped to prevent whipping in the event of a breakage.	Inspection, and Maintenance Manufacturer Specifications Drilling Safety Manual, 1983 and Construction Safety Reference Guide, 1993 DOE Hoisting and Rigging Manual (April 1993, DOE/ID-10500) API Specification 4E	

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Manually lifting drilling tools, mixing containers, cement, bentonite, and water	Back injury	• Use mechanical lift assist equipment when practicable. • Repackage to reduce weight and/or bulk. • Ensure path of travel is clear. • Use a wide balanced stance. • Keep item being lifted as close to the body as possible. • Keep lower back in normal arched position. • Keep head and shoulders up as the lifting motion begins. • Lift with legs and stand up in a smooth, even motion. • Avoid twisting at the waist. • When practicable, use two (or more) people to lift and carry loads >50lbs. or loads that are bulky or awkward.	SSHASP ER2006-0635 LIR 402-870-01.X Ergonomics	Proper lifting techniques
Drilling Operations	Pinching, crushing, slips, trips, falls	• Inspect drilling rig upon its arrival to the site and daily prior to start of work. • Be observant as to your location with respect to the drilling rig. • Maintain daily equipment inspection forms on site. • Be observant and cautious in areas of potential concern. • Avoid and/or remove tripping hazards if possible. • Mark tripping hazards to make them more visible. • Wear sturdy shoes with good ankle support. • Operator must know limitations of specific equipment used • Personnel shall wear leather or equivalent work gloves.	SSHASP ER 2006-xxxx MKM HASP Section 15.4, Drill Rig Operations Manufacturer's Specification LIR 402-1000-01.1	General PPE Training
	Injury due to drill rig operations	• Drill rigs shall be inspected for engineering controls (e.g., backing horns) in compliance with applicable sections of Subparts O of 29 CFR 1926 and 29 CFR 1910. • Drill rig will inspected daily for operational safety (e.g., hydraulic hoses, cables, fluids)	SSHASP ER 2006-xxxx	None
	Crushing hazards and rotating parts	• Emergency kill switches shall be confirmed operational. • Be observant as to your location with respect to moving, rotating, and overhead parts. • Personnel shall not wear loose clothing, badge lanyards, or jewelry around rotating parts; and long hair shall be pulled back. • Approach the drill rig only after making eye contact with the operator and then only when necessary.	SSHASP ER 2006-xxxx	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Unloading augers, grout, pipe and other materials with forklift	Forklift hazards	• Inspect forklift daily prior to operations. • Operator shall be forklift trained and certified in accordance with 29 CFR 1910.178. • Inspect path of travel for holes, soft spots, rocks and other obstacles/hazards. • Operate forklift in a slow, deliberate manner. • Use a spotter in areas with tight clearances or when the operator's view is obstructed. • Watch for and stay clear of pinch points. • Ensure forklift has the rated capacity to safely lift loads. • Secure loads to forklift as necessary. • Do not overload, carry unbalanced loads, or improperly load forklift. • Use forklift for intended purposes. • Wear seat belt if provided.	MKM HASP Section 15.2, Material Handling Equipment LIR 402-1110-01.X Forklifts and Powered Industrial Trucks	29 CFR 1910.178 Forklift Operator Training
Shoveling cuttings	Injury from shovel getting caught in auger	• Use caution when shoveling around turning augers.	SSHASP ER 2006-xxxx	None
Elevating the drill rig mast or moving the drilling rig	Overhead Utilities	• Conduct pre-job site walkdown to identify electrical line locations. • Maintain the following minimum distances for operations, as specified in 29 CFR 1926.550(a)(15)(i) and (ii): – For live lines rated ≤ 50 kV; Maintain a minimum distance of 10 ft between live lines and any part of equipment or load. – For live lines rated > 50 kV; Maintain a minimum distance of 10 ft + 0.4 inches (.033333333 feet) for each 1 kV over 50 kV or twice the length of line insulator but never less than 10 ft. Examples: voltages ≤ 50 kV: 10 ft minimum 345 kV: 20 ft minimum (10 ft + 295 x . 033333333) 750 kV: 33 ft minimum (10 ft + 700 x . 033333333) • Designate a person to observe clearances of the equipment and give timely warning for all operations where it is difficult for the operator to maintain the desired clearance by visual means.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety LIR 402-600-01.X Electrical Safety	None
Drilling with the auger rig	Underground Utilities	• A visual inspection of the area shall be conducted. • An excavation permit shall be obtained and a utility locate shall be conducted. • Personnel shall not work outside the boundaries of the utility locate/permit. • A potholing plan will be developed and implemented for	SSHASP ER2006-0635 LIR 402-880-01.X Excavation/Soil Disturbance Permit Process	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
		all work and notify the LANL Project Leader.	Excavation Permit	
Drilling with Auger Rig (cont.)	Personnel exposure to nuisance dust and airborne contaminants	• Generation of excessive dust during auger boring activities is not anticipated. • If dust cannot be controlled during drilling activities due to high winds, drilling will be halted until wind dissipates. • Breathing zone will be monitored with a PID during drilling activities.	SSHASP ER2006-0635	HAZWOPER 40/8-hr Medical Surveillance
Sample collection from excavator bucket	See Operating Heavy Equipment	• See hazards and controls for Operating Heavy Equipment	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
	Chemical Exposure	• Personnel shall wear nitrile gloves when handling sample media. • Do not wear gloves containing natural rubber latex as allergic reactions may occur.	SSHASP ER2006-0635 MKM HASP Section 5.4.2, Chemical Exposure, Section 8.0, Hazard Communication and Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment	HAZWOPER 40/8-hr Medical Surveillance General PPE Training
Lifting coolers full of ice and samples	Back strain and tripping	• Do not overfill coolers. • Repackage to reduce weight and/or bulk. • Ensure path of travel is clear. • Use a wide balanced stance. • Keep item being lifted as close to the body as possible. • Keep lower back in normal arched position. • Keep head and shoulders up as the lifting motion begins. • Lift with legs and stand up in a smooth, even motion. • Avoid twisting at the waist. • When practicable, use two (or more) people to lift and carry loads >50lbs. or loads that are bulky or awkward.	SSHASP ER2006-0635 LIR 402-870-01.X Ergonomics	None
Surveying sample locations	General site hazards	• See hazards and controls in General fieldwork	SSHASP ER2006-0635	None
Decontaminating drilling tools and sampling equipment	Chemical exposure	• Personnel shall wear nitrile gloves. • Do not wear gloves containing natural rubber latex as allergic reactions may occur.	SSHASP ER 2006-xxxx MKM HASP Section	HAZWOPER 40/8-hr Medical Surveillance

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
		• Personnel shall wear safety glasses. • Applicable MSDS's will be available on site and personnel will receive Hazard Communication Training. • Dry decontamination techniques will be utilized whenever possible to minimize waste • Follow ENV-ECR SOP-1.08 Decontamination of Drilling and Sampling Equipment	5.4.2, Chemical Exposure, Section 8.0, Hazard Communication and Section 11.0, Personal Protective Equipment Material Safety Data Sheets LIR 402-1000-01.X Personal Protective Equipment ENV-ECR SOP 1.08	General PPE Training Hazard Communication Training
Mixing and handling cement and bentonite	Inhalation hazards	• Cement and bentonite shall be slowly mixed to prevent the generation of dust. • If necessary, a water mist shall be used to control dust.	Material Data Safety Sheet	None
	Cement burns to skin	• Personnel shall wear gloves when handling or contacting wet cement/grout. • Do not wear gloves containing natural rubber latex as allergic reactions may occur.	MKM HASP Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment	General PPE Training
	Compressors and pumps	• Periodically inspect all equipment, hoses, fittings, valves, safety valves and regulators. • Caution – Compressors may start automatically. • Comply with psi limits of equipment. • Do not expose body parts to compressed air or grout stream. • A positive means shall connect the hoses to the pump. • Secure hoses to prevent whipping as necessary. • Hoses exceeding ½-inch in diameter shall have a safety device at the source of supply or branch line to reduce pressure in case of hose failure.	None	None
Placing bentonite in the borehole	Inhalation hazards	• Bentonite shall be slowly added to the borehole to prevent the generation of dust. • If necessary, a water mist shall be used to control dust	Material Data Safety Sheet	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Placing bentonite in the borehole (cont.)	Crushing hazards	• Do not place any body parts under suspended load. • Block and brace load.	LIR 402-1110-01.X Forklifts and Powered Industrial Trucks	None
Excavation and Disposal				
Staging rolloff bins	Difficulty or inability to pick up rolloffs once they are loaded	• Stage rolloffs on firm surface	SSHASP ER2006-0635	None
	Rolloff trucks tipping over or getting stuck	• Ensure roadway and grade are constructed and maintained to allow for safe operation. Keep trucks on stable ground. • To avoid tipping rolloff trucks over, particular attention shall be given to grade, soft ground, and wind conditions when trucks are unloading the rolloffs. • Personnel shall stand clear of the trucks when unloading rolloff bins	SSHASP ER2006-0635	None
Operating heavy equipment	Heavy equipment in unsafe operating condition	• Inspect heavy equipment upon arrival to the site and daily prior to start of work. • Backup alarms shall be operational and audible above the surrounding noise level.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
	Hydraulic line failure resulting in leak, personnel exposure, or fire	• Inspect hydraulic lines and connections.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Operating heavy equipment (cont.)	Personnel being struck or crushed by heavy equipment	• Be observant as to your location with respect to heavy equipment. • All personnel exposed to heavy equipment shall wear warning vests marked with or made of reflective or high visibility material. • Should ground personnel need to approach heavy equipment, eye contact shall be made with the operator who will ground all implements, disengage the hydraulic system if possible, set the parking brake, and give a hand signal indicating that ground personnel may approach. • Personnel shall pay particular attention to the swing path of the counterweights or implements on heavy equipment. • At no time will personnel position themselves under hydraulically operated implements such as trackhoe booms and buckets. • Watch for and stay clear of pinch points.	SSHASP ER2006-0635 MKM HASP Section 11.0, Personal Protective Equipment, and Section 15.0, Heavy Equipment Operations and Safety LIR 402-1000-01.X Personal Protective Equipment	General PPE Training
	Overhead electrical lines	• Conduct pre-job site walkdown to identify electrical line locations. • Maintain the following minimum distances for operations, as specified in 29 CFR 1926.550(a)(15)(i) and (ii): – For live lines rated ≤ 50 kV; Maintain a minimum distance of 10 ft between live lines and any part of equipment or load. – For live lines rated > 50 kV; Maintain a minimum distance of 10 ft + 0.4 inches (.033333333 feet) for each 1 kV over 50 kV or twice the length of line insulator but never less than 10 ft. Examples: voltages ≤ 50 kV: 10 ft minimum 345 kV: 20 ft minimum (10 ft + 295 x . 033333333) 750 kV: 33 ft minimum (10 ft + 700 x . 033333333) • Designate a person to observe clearances of the equipment and give timely warning for all operations where it is difficult for the operator to maintain the desired clearance by visual means.	SSHASP ER 2006-xxxx MKM HASP Section 15.0, Heavy Equipment Operations and Safety LIR 402-600-01.X Electrical Safety	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Excavation of soil, tuff and debris	Exposure to or damage to underground utilities	• A visual inspection of the area shall be conducted. • An excavation permit shall be obtained and a utility locate shall be conducted. • Personnel shall not work outside the boundaries of the utility locate/permit. • A potholing plan will be developed and implemented for excavations adjacent to known utilities. • **If any utility is discovered, personnel shall immediately stop all work and notify the LANL Project Leader.**	SSHASP ER 2006-xxxx LIR 402-880-01.X Excavation/Soil Disturbance Permit Process Excavation Permit	Excavation Training per LIR
	Personnel exposure to nuisance dust and airborne contaminants	• Conduct personnel monitoring in the workers breathing zones. • Breathing zone monitoring requirements and action levels shall be established based on analytical results from Characterization and Confirmation Sampling.	SSHASP ER 2006-xxxx ACGIH TLVs and OSHA PELs	HAZWOPER 40/8-hr Medical Surveillance
	Excessive noise	• Hearing protection will be worn when heavy equipment is operational. • If noise levels exceed>82 dB(A) for an 8 hr TWA, a Hearing Conservation Program shall be instituted. • MKM has established the action level of 82 dBA as the limit for use of hearing protection devices. The type of hearing protection device to be used (i.e., ear plugs, muffs or a combination of the two) will be specified by the SSHO. Any area where hearing protection devices are required will be posted with appropriate signs indicating the need for such devices. The area designated for hearing protection devices will be delineated using fencing, barrier tape or other means.	SSHASP ER2006-0635 MKM HASP Section 13.0, Noise and Hearing Conservation Program and Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment LIR 402-820-01.X Noise and Temperature Extremes	General PPE Training
	Open excavations	• Excavations over 4 ft in depth will be sloped to prevent cave-in. • Open excavations will be covered and/or barricaded during off-duty hours to prevent accidental entry. • Excavations over four ft in depth will be inspected daily and/or after storm events by an Excavation Competent Person. • No personnel will be allowed to enter an open excavation over 4 ft in depth without proper sloping and inspection by an Excavation Competent Person.	SSHASP ER2006-0635 MKM HASP Section 15.3, Earth Moving Equipment and Trenching/Excavating LIR 402-880-01.X Excavation/Soil Disturbance Permit Process Excavation Permit	OSHA Excavation Competent Person Training, 29 CFR 1926.651

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Placing soil, tuff and debris into rolloff bins with heavy equipment	Material falling on personnel	• Assign spotter to keep personnel away from rolloffs or truck during loading. • Employees shall stand away from trucks or rolloff bins being loaded to avoid being struck by any spillage or falling materials. • Spotter shall pay particular attention to the side of rolloffs or truck which the heavy equipment operator cannot see.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
Covering rolloff bins for transport	Falls	• Use stable platforms such as platform ladders or scaffolding if practicable.	SSHASP ER2006-0635	Ladder Safety Training (as needed) Scaffold Safety Training (as needed)
Removing rolloff bins from site	Rolloff trucks tipping over getting stuck	• Ensure roadway and grade are constructed and maintained to allow for safe operation. Keep trucks on stable ground. • To avoid tipping rolloff trucks over, particular attention shall be given to grade, soft ground, and wind conditions when trucks are loading the rolloffs. • Personnel shall stand clear of the trucks when loading rolloff bins	SSHASP ER2006-0635	None
Removing rolloff bins from site (cont.)	Overhead electrical lines	• Conduct pre-job site walkdown to identify electrical line locations. • Maintain the following minimum distances for operations, as specified in 29 CFR 1926.550(a)(15)(i) and (ii): – For live lines rated ≤ 50 kV; Maintain a minimum distance of 10 ft between live lines and any part of equipment or load. – For live lines rated > 50 kV; Maintain a minimum distance of 10 ft + 0.4 inches (.033333333 feet) for each 1 kV over 50 kV or twice the length of line insulator but never less than 10 ft. Examples: voltages ≤ 50 kV: 10 ft minimum 345 kV: 20 ft minimum (10 ft + 295 x . 033333333) 750 kV: 33 ft minimum (10 ft + 700 x . 033333333) • Designate a person to observe clearances of the equipment and give timely warning for all operations where it is difficult for the operator to maintain the desired clearance by visual means.	SSHASP ER2006-0635 LIR 402-600-01.X Electrical Safety	None
Site Restoration and Demobilization				
Backfilling operations	Open excavations	• Personnel will not enter excavations over four feet in depth. • Open excavations will be barricaded when leaving the site to prevent accidental entry.	SSHASP ER2006-0635 MKM HASP Section	OSHA Excavation Competent Person Training, 29 CFR

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
		• Excavations over four feet in depth will be inspected daily by an Excavation Competent Person.	15.3, Earth Moving Equipment and Trenching/Excavating LIR 402-880-01.X Excavation/Soil Disturbance Permit Process Excavation Permit	1926.651
Delivering backfill material with dump trucks	Dump trucks tipping over or getting stuck	• Ensure roadway and grade are constructed and maintained to allow for safe operation. Keep trucks on stable ground. • To avoid tipping dump trucks over, particular attention shall be given to grade, soft ground, and wind conditions when dump trucks are elevating the dump body. • Personnel shall stand clear of the dump truck when dumping.	SSHASP ER2006-0635	None
	Overhead electrical lines	• Conduct pre-job site walkdown to identify electrical line locations. • Maintain the following minimum distances for operations, as specified in 29 CFR 1926.550(a)(15)(i) and (ii): – For live lines rated ≤ 50 kV; Maintain a minimum distance of 10 ft between live lines and any part of equipment or load. – For live lines rated > 50 kV; Maintain a minimum distance of 10 ft + 0.4 inches (.033333333 feet) for each 1 kV over 50 kV or twice the length of line insulator but never less than 10 ft. Examples: voltages ≤ 50 kV: 10 ft minimum 345 kV: 20 ft minimum (10 ft + 295 x . 033333333) 750 kV: 33 ft minimum (10 ft + 700 x . 033333333) • Designate a person to observe clearances of the equipment and give timely warning for all operations where it is difficult for the operator to maintain the desired clearance by visual means.	SSHASP ER2006-0635 LIR 402-600-01.X Electrical Safety	None
	Pinch points and crushing hazards	• Personnel shall stay clear of dump gates • At no time shall personnel place any part of their body between the dump bed and the truck frame	SSHASP ER2006-0635	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Moving fill material and re-contouring/re-seeding the site with heavy equipment	Heavy equipment in poor operating condition	• Inspect heavy equipment upon arrival to the site and daily prior to start of work. • Backup alarms shall be operational and audible above the surrounding noise level.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
	Hydraulic line failure resulting in leak, personnel exposure, or fire	• Inspect hydraulic lines and connections.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
	Improper reseeding	• Re-vegetate disturbed areas in accordance with LANL Seeding Specification 02936. • Contact Robin Reynolds ENV-WQH 667-4689	SSHASP ER2006-0635	None
	Personnel being struck or crushed by heavy equipment	• Be observant as to your location with respect to heavy equipment. • All personnel exposed to heavy equipment shall wear warning vests marked with or made of reflective or high visibility material. • Should ground personnel need to approach heavy equipment, eye contact shall be made with the operator who will ground all implements, disengage the hydraulic system if possible, set the parking brake, and give a hand signal indicating that ground personnel may approach. • Personnel shall pay particular attention to the swing path of the counterweights or implements on heavy equipment. • At no time will personnel position themselves under hydraulically operated implements such as backhoe booms and buckets. • Watch for and stay clear of pinch points.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety MKM HASP Section 11.0 Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment	General PPE Training

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Moving fill material and re-contouring/re-seeding the site with heavy equipment (cont.)	Overhead electrical lines	• Conduct pre-job site walkdown to identify electrical line locations. • Maintain the following minimum distances for operations, as specified in 29 CFR 1926.550(a)(15)(i) and (ii): – For live lines rated ≤ 50 kV; Maintain a minimum distance of 10 ft between live lines and any part of equipment or load. – For live lines rated > 50 kV; Maintain a minimum distance of 10 ft + 0.4 inches (.033333333 feet) for each 1 kV over 50 kV or twice the length of line insulator but never less than 10 ft. Examples: voltages ≤ 50 kV: 10 ft minimum 345 kV: 20 ft minimum (10 ft + 295 x . 033333333) 750 kV: 33 ft minimum (10 ft + 700 x . 033333333) • Designate a person to observe clearances of the equipment and give timely warning for all operations where it is difficult for the operator to maintain the desired clearance by visual means.	SSHASP ER2006-0635 LIR 402-600-01.X Electrical Safety MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
Loading heavy equipment	Heavy equipment falling off delivery trailer	• Load equipment in a safe and deliberate manner. • Use spotters to direct the operator while driving heavy equipment onto trailers.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
	Personnel being struck or crushed by heavy equipment	• Personnel shall not position any part of their bodies under heavy equipment during activities such as placing blocking or cribbing. • Remove all unauthorized personnel from the loading area.	SSHASP ER2006-0635 MKM HASP Section 15.0, Heavy Equipment Operations and Safety	None
Driving posts/stakes into the ground for site control/silt fence	Hand tools	• Tools shall be inspected by the user prior to use. • Tools shall be utilized for their intended purpose. • Wooden handles shall be free of splinters or cracks and shall be kept tight in the tool.	SSHASP ER2006-0635	None

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Driving posts/stakes into the ground for site control/silt fence (cont.)	Pinch points and crushing hazards	• Personnel shall wear leather or equivalent work gloves. • Personnel shall keep hands away from the connection point between air rotary casing and borehole casing. • Personnel shall not position themselves under hoisted loads.	SSHASP ER2006-0635 MKM HASP Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment	General PPE Training
	Exposure to or damage to underground utilities	• A visual inspection of the area shall be conducted. • An excavation permit shall be obtained and a utility locate shall be conducted. • Personnel shall not work outside the boundaries of the utility locate/permit. • A potholing plan will be developed and implemented for operations adjacent to known utilities. • **If any utility is discovered, personnel shall immediately stop all work and notify the LANL Team Leader.**	SSHASP ER2006-0635 LIR 402-880-01.X Excavation/Soil Disturbance Permit Process Excavation Permit	None
Manually handling BMPs, sampling supplies, and other equipment	Pinch points, unstable materials, splinters, cuts, slippery loads	• Personnel shall wear leather or equivalent work gloves. • Be aware of pinch points when staging materials next to each other or next to other objects. • Avoid staging materials in close proximity to work activities where they may be knocked over or fall on personnel. • Inspect items to be lifted for slivers, jagged or sharp edges, burrs, and slippery surfaces.	SSHASP ER2006-0635 MKM HASP Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment	General PPE Training
	Back injury	• Use mechanical lift assist equipment when practicable. • Repackage to reduce weight and/or bulk. • Ensure path of travel is clear. • Use a wide balanced stance. • Keep item being lifted as close to the body as possible. • Keep lower back in normal arched position. • Keep head and shoulders up as the lifting motion begins. • Lift with legs and stand up in a smooth, even motion. • Avoid twisting at the waist. • When practicable, use two (or more) people to lift and carry loads >50lbs. or loads that are bulky or awkward.	SSHASP ER2006-0635 LIR 402-870-01.X Ergonomics	Proper lifting techniques

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
Cutting silt fence for erosion/storm water control	Sharp edges and points	• Personnel shall wear leather or equivalent work gloves. • Cut away from the body. • Wear a heavy leather apron or other protective clothing when it is not possible to cut away from the body. • When possible, use a rack or holder for the material being cut. • Use scissors • Knife blades shall be retracted or sheathed when not in use.	SSHASP ER2006-0635 MKM HASP Section 11.0, Personal Protective Equipment LIR 402-1000-01.X Personal Protective Equipment	General PPE Training
Equipment Refueling				
Refueling Equipment	Fire	• At least one 10 lb. A:B:C rated fire extinguisher shall be maintained readily accessible near fuel fired equipment. • Comply with requirements in LANL Alerts, Fire Danger Estimates, and Fire Matrix. • Check LANL homepage, http://int.lanl.gov/fire_matrix.html or contact Emergency Management and Response (7-6211), for the latest fire conditions. • Only trained personnel will be allowed to use fire extinguishers. The LANL emergency response and Los Alamos County Fire Department will be notified prior to the start of work. • Personnel will be instructed to ground/bond equipment involved in bulk refueling operations, allow equipment to cool before refueling, and not start portable equipment within 10 ft of the refueling area. • No open flames will be allowed during refueling. • **All operations will be conducted to comply with LANL Fire Notice 0174, dated 4/17/2006 and any thereafter.**	SSHASP ER2006-0635 MKM HASP Section 5.4.3, Explosion and Fire LANL Alerts, Fire Danger Estimates, and Fire Matrix LANL Fire Notice 0174	Fire Extinguisher Training
Component removal and replacement	Hand tools; compressor and pneumatic tools	• There will be no equipment maintenance or repair on the site		

Work Tasks/Steps Identify work steps/tasks in sequence when such sequencing contributes to safety, security, and/or environmental protection.	**Hazards, Concerns, and Potential Accidents or Incidents** Identify both activity and work-area hazards for each task/step.	**Controls, Preventive Measures, and Bounding Conditions** Specify preventive measures, controls for each hazard (e.g., lockout/tagout points, specific PPE, TIDs, alarms, safes, recycle, waste minimization)	**Reference Documents** List permits, operating manuals, security plans, and other reference procedures.	**Training** List training and qualification requirements.
The RLM approves work based upon confidence that this IWD has been properly prepared, that the work will be performed within ES&H/S&S requirements, and will be performed in accordance with this IWD.			**RLM** (Signature / Z# / Date) **Required** Z18552 7/6/06	
☒ Moderate-hazard ☐ High-hazard/complex Standing ☐ Repetitive ☐ Qualified Worker	Date when RLM re-approval is required _____ Other Conditions for Re-Approval _____ Name of Primary PIC: Billy Warren Name of Alternate PIC: Billy Moses Name of Alternate PIC: Victoria Maranville		Any required classification review completed, _____ Signature/Date	