Department of Energy

Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513
(859) 219-4000

March 3, 2004

Mr. Walt Francis
United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard, DE-9J
Chicago, Illinois 60604

PPPO-3-023-04

Dear Mr. Francis:

NOTICE OF VIOLATION RCRA COMPLIANCE INSPECTION U.S. DEPARTMENT OF ENERGY PIKETON, OHIO EPA ID# OH7 890 008983

This letter is in response to a Notice of Violation (NOV) the U. S. Department of Energy (DOE) and Bechtel Jacobs Company LLC (BJC) received on February 9, 2004. The United States Environmental Protection Agency (USEPA), Region 5, Chicago, Illinois states in this NOV that the Portsmouth Gaseous Diffusion Plant (PORTS) stored universal waste (lead acid batteries) for greater than one year from the date it was generated. DOE believes that the NOV was issued in error and should be rescinded.

USEPA and the Ohio Environmental Protection Agency (OEPA), Southeast District Office conducted a joint Resource Conservation and Recovery Act (RCRA) Compliance Inspection at PORTS on June 10 and 11, 2003. The NOV is based upon lead acid batteries observed during this inspection and the review of the January 22, 2002 Bill of Lading from a shipment of lead acid batteries.

DOE is unable to determine USEPA's basis for this NOV. The RCRA Hazardous Waste Generator Inspection Checklist completed by the USEPA Inspector at the time of the inspection was provided with the NOV. This checklist indicates the batteries were being stored for longer than one year in order to facilitate proper recovery, treatment or disposal, and it does not indicate PORTS is in violation with the storage provision.

Furthermore, PORTS has reviewed both the Work Packages and Health Physics surveys for the batteries USEPA observed during the inspection. Enclosed please find copies of the Maintenance Work Control packages for the batteries, which are the controlling documents for scheduling and conducting the battery replacement activities. These packages demonstrate that the batteries observed during the inspection were generated between January – June 2003, and had been stored for less than one year. These batteries were later shipped offsite to a recycler on December 8, 2003. PORTS did not generate any lead acid batteries between January 2002 and December 2002. It is true that more than year had lapsed between the January 22, 2002 shipment and the inspection. However, this is irrelevant since the batteries observed had not been in storage more than one year since the date those specific batteries had been generated. Consequently, PORTS has not violated the cited provision.

DOE and BJC consider all NOVs as a serious matter. We are requesting that USEPA rescind this NOV and return the site to compliant status. If you have any questions or comments, please contact Melda Rafferty at (740) 897-5521.

Sincerely,

R Francis for

William E. Murphie
Manager
Portsmouth/Paducah Project Office

Enclosure

cc w/enclosure:
Paul Little, Region 5/USEPA
Thomas Skinner, Region 5/USEPA
Melody Stewart, OEPA/Loagn
Gil Drexel, BJC/PORTS

ATTACHMENT 1
Work Control Information for Batteries

Equipment History Module

WO D2120768

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 1

Location:

Comments

Requestor

ID: HALCOMB

Location:

Phone:

Required: / /

Creator: 60275 12/30/2002 10:37

Status

Status: F

Printed: 2

Classification

Work Order Type: STAND

Section: R

Source

Work Type: CM

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Dept:

Serial Number:

Out of Service: / / :

Eq Type:

Location: X-7725

Return to Service: / / :

Eq RIME: 0

Plant Location: X-7725

Equipment History Module

WO 02120768

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Cost Approver 60275

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F

Account 2820.501

Department

Project 4004-447-003

Scheduling

Start 01/06/2003 :

Finish 01/15/2003 :

Duration 0.00

Printed 2 Times

Equipment History Module

WO 02120768

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

EMERGENCY	C1 Col. 29 A-8
EMERGENCY	N1 East Wall by Ped. Dr S3
EXIT	N1 South of Rm 78
EMERGENCY	N1 Above Dr 78
EMERGENCY	N1 North of Ped Dr 74
EXIT	N Col 18 B-3
EMERGENCY	N Col 18 B-1
EMERGENCY	N Col 26.8 B-4
EMERGENCY	N Col 21.4 B-4

Equipment History Module

WO 02120769

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 2

Location:

Comments

Requestor

ID: HALCOMB

Location:

Phone:

Required: / /

Creator: 60275 12/30/2002 10:40

Status

Status: F

Printed: 1

Classification

Work Order Type: STAND

Section: R

Source

Work Type: CM

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Dept:

Eq Type:

Eq RIME: 0

Serial Number:

Location: X-7725

Plant Location: X-7725

Out of Service: / / :

Return to Service: / / :

Equipment History Module

WO 02120769

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Cost Approver 60275

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F

Account 2820.501

Department

Project 4004-448-003

Scheduling

Start 01/27/2003 :

Finish 02/28/2003 :

Duration 0.00

Printed 1 Times

Equipment History Module

WO 02120769

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Combination	N Rm 96 inner office
EXIT	BNR Col 37 C-4
EMERGENCY	BNR Col 37 B-6
EMERGENCY	G Col 39 B-4
EMERGENCY	J West Wall Col 46.5 C-1
EMERGENCY	BNR Rm 118 West Wall Norht End
EMERGENCY	K East Wall
EMERGENCY	K Col 43 C-2
EXIT	ANR 2nd Flr. Col 42 D-3
EMERGENCY	ANR 2nd Flr N Wall Rm 278

Work Order Module

WO 02120770

Detail | Schedule | Completion | Approval Routing | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 3

WBS: [redacted]

Requestor

Name: HALCOMB

Dept: [redacted]

Phone: [redacted] Required: [redacted]

Creator: 60275 12/30/2002 10:42

Status

Status: F

Printed: 1

Classification

Work Code: CM

Category: R

Type: STAND

Comments

Purchase Materials

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Eq RIME: 0 Serial Number: Building: X-7725

Eq Type: Location: X-7725

Work Order Module

WO 02120770

Detail | Schedule | Completion | Approval Routing | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F | Pay Item 5.0 | Account 2820.501 | Printed 1 Times

WR #/Source | Work Release 4004-449-003 | Work Type CM

Scheduling

Start 01/27/2003 | Finish 04/20/2003 | Dur 0.00

Target

Start 01/20/2003 | Finish 01/24/2003

Actual

Start 02/16/2003 | Finish 04/16/2003 | Dur 0.00

Failure | Action

Complete Work Order

Place on Material Hold

Cancel the WO | Reason Canceled?

Work Order Module

WO. 02120770

Detail | Schedule | Completion | Approval Routing | Labor | Crafts | Materials | Requirements | Readings | Job Plan

EMERGENCY	Rm 120 North End
EMERGENCY	Stairway #6, 7th Landing
EMERGENCY	Stairway #3, 5th Landing
EMERGENCY	Stairway #3, 26th Landing
EMERGENCY	Stairway #2, 6th Landing
EMERGENCY	4A Col 23.1 B-3
EMERGENCY	4A Col 25 A-8
EMERGENCY	Rm 472 Col 29.8 A-3
EMERGENCY	4C South West Corner in Ceiling
EMERGENCY	4C North West Section in Ceiling

Equipment History Module

WO 02120771

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 4

Location:

Comments

Requestor

ID: HALCOMB

Location:

Phone:

Required: / /

Creator: 60275 12/30/2002 10:44

Status

Status: F

Printed: 2

Source

Work Type: CM

Classification

Work Order Type: STAND

Section: R

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Dept:

Eq Type:

Eq RIME: 0

Serial Number:

Location: X-7725

Plant Location: X-7725

Out of Service: / / :

Return to Service: / / :

Equipment History Module

WO 02120771

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Cost Approver 60275

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F

Account 2820.501

Department

Project 4004-450-003

Scheduling

Start 01/13/2003 :

Finish 01/31/2003 :

Duration 0.00

Printed 2 Times

Equipment History Module

WO 02120771

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

EMERGENCY	Rm 474 North Wall
EXIT	Rm 474 West Wall
EMERGENCY	4th Flr on an unmarked column East of Col 37 C-1
EXIT	4th Flr Col 37 C-6
EMERGENCY	Rm 488 North Wall Behind Col 39 C-3
EMERGENCY	Rm 488 West of Ped Dr to Stairway #7
EMERGENCY	Rm 488 North Wall Behind Col 39 B-6
EMERGENCY	Rm 488 Ped Dr to Stairway #6, West of Dr.
EXIT	Area 4A at Column 23.1 C7

Equipment History Module

W/O 02120772

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 5

Location:

Comments

Requestor

ID: HALCOMB

Location:

Phone:

Required: / /

Creator: 60275 12/30/2002 10:47

Status

Status: F

Printed: 2

Classification

Work Order Type: STAND

Section: R

Source

Work Type: CM

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Dept:

Serial Number:

Out of Service: / / :

Eq Type:

Location: X-7725

Return to Service: / / :

Eq RIME: 0

Plant Location: X-7725

Equipment History Module

WO 02120772

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Cost Approver 60275

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F

Account 2820.501

Department

Project 4004-451-003

Scheduling

Start 01/20/2003 :

Finish 01/31/2003 :

Duration 0.00

Printed 2 Times

Equipment History Module

W/O 02120772

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

```
EXIT                                    Rm 372 North West Corner, Above
Ped Dr to Stairway #7
EXIT                                    Rm 372 Col 39 B-7
EXIT                                    Rm 372 Col 39 A-9
EMERGENCY                       2nd Flr Above N1 Catwalk to Stairway #5.
EMERGENCY                       Rm 271; 1 Col South of Col 41 B-8
EMERGENCY                       5th Flr Col 31 B-2
EMERGENCY                       5th Flr on wall North of Col 31 B-8
EMERGENCY                       5th Flr on wall North of Col 31 C-1
EMERGENCY                       5th Flr Col 29.8 C-8
EMERGENCY                       5th Flr Col 33.3 B-2
```

Equipment History Module

WO: 02120773

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 6

Location:

Comments

Requestor

ID: HALCOMB

Location:

Phone:

Required: / /

Creator: 60275 12/30/2002 10:50

Status

Status: F

Printed: 1

Classification

Work Order Type: STAND

Section: R

Source

Work Type: CM

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Dept:

Eq Type:

Eq RIME: 0

Serial Number:

Location: X-7725

Plant Location: X-7725

Out of Service: / / :

Return to Service: / / :

Equipment History Module

WO 02120773

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Cost Approver 60275

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F

Account 2820.501

Department

Project 4004-452-003

Scheduling

Start 01/27/2003 :

Finish 02/07/2003 :

Duration 0.00

Printed 1 Times

Equipment History Module

WO 02120773

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

EMERGENCY	2nd Flr in front of Rm 264
EMERGENCY	2nd Flr Rm 239 N Side
EMERGENCY	2nd Flr Outside Rm 205 in Hall
EMERGENCY	2nd Flr Outside Rm 211
EMERGENCY	3rd Flr Outside Rm 310
EMERGENCY	3rd Flr Outside Elev. #2 in Hall
EMERGENCY	1st Flr East end of Lunchroom
EMERGENCY	1st Flr Rm 36 next to locker #371
EMERGENCY	1st Flr Rm 36 North End

WASTREN, Inc.

Portsmouth Facility

Work Order

Date	WO Number
11/21/02	02116131

Building or Equipment Number and Description	Work Code	Building	Account No.	Work Release
X-3346 GCEP FEED & WITHDRAWL FAC	CM	X-3346	2820.501	4104-299-002
Equipment Location	Category S	WO Type STAND	Concurrence: (SPEC Signature)	
Planner: MEB	Priority 4	Scheduled Date 05/01/03	Approval:	

Work Scope:

REMOVE BATTERIES IN X-3346 AND PROPERLY DISPOSE OF THEM

Notification:

Operations/Customer Notified Jim Tomlin (by phone) — Building Operator (Note if by Telephone) — 4/10/03 Date

Post Maintenance Testing: Required? Y / (N) Pass / Fail

Operations: _____ Authorized Signature — _____ Date

Closeout:

Job Completed: Jim Tomlin — Building Operator — Date 4-22-03

Deficiency Tag(s) and/or Stickers Removed: NA — Date _____

Supervisor: _____ Date _____

Work Request:

Work Order **02116131**

WORK ORDER REQUIREMENTS

Permits

- ☐ LO / TO
- ☐ Welding / Burning / Hot Work
- ☐ Excavation / Penetration
- ☐ Confined Space
- ☐ RWP
- ☐ Lift Plan

Hazard Identification

- ☐ High Pressure
- ☐ Oxygen Deficient
- ☐ Oxygen Enriched
- ☐ Vibration / Shock Sensitive
- ☐ Work on water bodies
- ☐ Elevated work surface >6 feet
- ☐ Open Energized Systems >600V
- ☐ HF (hydrogen fluoride)
- ☐ Pyrophoric
- ☐ Over public roads (DOT / EPA Lav
- ☐ Steam Systems
- ☐ Natural Gas

Maintenance Equipment

- ☐ Welding Screens
- ☐ Lift Truck
- ☐ Vacuum Truck
- ☐ Ladder
- ☐ ManLift (JLG)
- ☐ Portable Welder
- ☐ Scaffold
- ☐ Scissors Lift
- ☐ Crane

EQUIPMENT LOCK OUT(S)

#	LOID	Description

MATERIAL LIST

PartID	Description	Requested Qty.
Z102492	LINERS, 38X65, 3ML, 100/CASE	1
Z103477	LINERS, PLASTIC POLYETHYLENE FOR 5 G	1

CRAFT / LABOR

Description

CARP CARPENTERS

0 ASSEMBLE PALLETES WITH FLAT CONTINUOUS SURFACE
Attach board to top of (5) palletes using scrap materials located at north end of corridor. Contact Kregg Uhrig for delivery point and specific material requirements and pallete size.

Completed: Shop + Fepm

Comments: Routine

ELEC ELECTRICIANS

1 PRE-JOB BRIEFING
Perform Pre-job briefing prior to start of work explaining battery condition and associated hazards.
Walkdown job-site to ensure Electricians are familiar with protective measures.
Review AHA each day with crew.

Completed: [illegible] 4/12/03

Comments:

ELEC ELECTRICIANS
2 DISCONNECT BATTERIES AT X-3346
Disconnect and remove battery jumpers.
Disconnect leads to panel and tape ends.

Completed: _____

Comments: _____

ELEOT ELECTRICIANS OT RATE
2 CONTINUE DISCONNECTING LEADS
1.Continue disconnecting leads
2.Remove old conduit as necessary

Completed: _____

Comments: _____

ELEC ELECTRICIANS
3 SEAL BATTERY TOPS
Slide plastic bag over each battery and tape to battery case.

Completed: _____

Comments: _____

ELEOT ELECTRICIANS OT RATE
3 CONTINUE BATTERY SEALING

Completed: _____

Comments: _____

ELEC ELECTRICIANS
4 MOVE BATTERY FROM RACK TO PALLETE
With plastic bag rolled down to pallete, set batteries in plastic.
Once pallete is filled with batteries, close and tape bag.

Completed: _____

Comments: _____

ELEOT ELECTRICIANS OT RATE
4 CONTINUE MOVING BATTERIES FROM RACK TO PALLETES

Completed: _____

Comments: _____

ELEC ELECTRICIANS
5 MOVE BATTERIES TO DESIGNATED STAGING AREA FOR WASTE MNGMT

Completed: _____

Comments: _____

ATTACHMENTS

Description	Printable
D	YES
Attachment G:\SOMAX\SOMAX ATTACHMENTS\(NEW PTHR) PRE-TASK HAZARD REVIEWT.DOC Printed Succes	
S	YES
Attachment G:\SOMAX\SOMAX ATTACHMENTS\(PJB) FIELD WORK BRIEFING FORM.DOC Printed Successfully	
F	YES
Attachment H:\KERRY\WORK CONTROL\FORM-1_R7D05_FINAL-2.DOC Printed Successfully	

Work in Progress / Craftsman Notes (Please List detail of materials (size, etc.) if any were used)

WASTREN, Inc.

Portsmouth Facility
Work Order

Date	WO Number
04/29/03	03040330

Building or Equipment Number and Description	Work Code	Building	Account No.	Work Release
X-1000 X-1000 BUILDING	CM	X-1000	2820.501	4104-551-006
Equipment Location	**Category**	**WO Type**	**Concurrence: (SPEC Signature)**	
PORTS	R	STAND		
Planner: MEB	**Priority** 3	**Scheduled Date** 05/13/03	**Approval:**	

Work Scope:
ASSIST WITH X-1000 BATTERY REPLACEMENT

Notification:

Operations/Customer Notified _____ Building Operator (Note if by Telephone) 5-14-03 Date

Post Maintenance Testing:

Required? Y / N
Pass / Fail

Operations: _____ Authorized Signature _____ Date

Closeout:

Job Completed: _____ Building Operator Date 5-27-03

Deficiency Tag(s) and/or Stickers Removed: _____ Date _____

Supervisor: _____ Date 5-16-03

Work Request:

Work Order **03040330**

WORK ORDER REQUIREMENTS

Permits

- ☐ LO / TO
- ☐ Welding / Burning / Hot Work
- ☐ Excavation / Penetration
- ☐ Confined Space
- ☐ RWP
- ☐ Lift Plan

Hazard Identification

- ☐ High Pressure
- ☐ Oxygen Deficient
- ☐ Oxygen Enriched
- ☐ Vibration / Shock Sensitive
- ☐ Work on water bodies
- ☐ Elevated work surface >6 feet
- ☐ Open Energized Systems >600V
- ☐ HF (hydrogen fluoride)
- ☐ Pyrophoric
- ☐ Over public roads (DOT / EPA La
- ☐ Steam Systems
- ☐ Natural Gas

Maintenance Equipment

- ☐ Welding Screens
- ☐ Lift Truck
- ☐ Vacuum Truck
- ☐ Ladder
- ☐ ManLift (JLG)
- ☐ Portable Welder
- ☐ Scaffold
- ☐ Scissors Lift
- ☐ Crane

EQUIPMENT LOCK OUT(S)

#	LOID	Description

MATERIAL LIST

PartID	Description	Requested Qty.

No Parts were planned for this work order

CRAFT / LABOR

Description

CARP CARPENTERS

1 REINFORCE PALLETS FOR MOVEMENT OF BATTERIES FROM X-1000

Completed: D Shepard

Comments:

PAINT PAINTERS

2 CLEAN AND PAINT RACKS FOR BATTERIES.

Completed: C. G. White

Comments:

ATTACHMENTS

Description	Printable
A	YES
Attachment G:\SOMAX\SOMAX ATTACHMENTS\(NEW PTHR) PRE-TASK HAZARD REVIEWT.DOC Printed Succe	
S	YES
Attachment G:\SOMAX\SOMAX ATTACHMENTS\(PJB) FIELD WORK BRIEFING FORM.DOC Printed Successfully	
F	YES
Attachment H:\KERRY\WORK CONTROL\FORM-1_R7D05_FINAL-2.DOC Printed Successfully	

Work in Progress / Craftsman Notes (Please List detail of materials (size, etc.) if any were used)

WASTREN, Inc.

Portsmouth Facility

Work Order

Date	WO Number
05/13/03	03050283

Building or Equipment Number and Description	Work Code	Building	Account No.	Work Release
X-1000 X-1000 BUILDING	CM	X-1000	2820.501	4104-636-006
Equipment Location	**Category**	**WO Type**	**Concurrence: (SPEC Signature)**	
PORTS	R	STAND	N/A	
Planner: MEB	**Priority**	**Scheduled Date**	**Approval:**	
	2	05/22/03		

Work Scope:

ADDITIONAL TIME REQUIRED FOR PROCESSING BATTERY REPLACEMENT IN X-1000

Notification:

Operations/Customer Notified _____ Building Operator (Note if by Telephone) 6-4-03 Date

Post Maintenance Testing: Required? Y / N

Operations: _____ Authorized Signature Pass / Fail 6/29/03 Date

Closeout:

Job Completed: _____ Building Operator Date 6-4-03

Deficiency Tag(s) and/or Stickers Removed: _____ Date _____

Supervisor: B. Lawler Date 5-29-03

Work Request:

Work Order **03050283**

WORK ORDER REQUIREMENTS

Permits

- ☐ LO / TO
- ☐ Welding / Burning / Hot Work
- ☐ Excavation / Penetration
- ☐ Confined Space
- ☐ RWP
- ☐ Lift Plan

Hazard Identification

- ☐ High Pressure
- ☐ Oxygen Deficient
- ☐ Oxygen Enriched
- ☐ Vibration / Shock Sensitive
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- ☐ Crane

EQUIPMENT LOCK OUT(S)

#	LOID	Description

MATERIAL LIST

PartID	Description	Requested Qty.

No Parts were planned for this work order

CRAFT / LABOR

Description

ELEOT ELECTRICIANS OT RATE
1 ADDITIONAL TIME FOR REMOVAL

Completed: _____

Comments: _____

ELEOT ELECTRICIANS OT RATE
2 ADDITIONAL TIME FOR INSTALLATION

Completed: _____

Comments: _____

MSOT MAINT SUPERVISOR
3 SUPERVISE BATTERY JOB ON OVERTIME

Completed: _____

Comments: _____

ATTACHMENTS

Description	Printable
P	YES
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,	YES
Attachment G:\SOMAX\SOMAX ATTACHMENTS\(PJB) FIELD WORK BRIEFING FORM.DOC Printed Successfully	

Work in Progress / Craftsman Notes (Please List detail of materials (size, etc.) if any were used)

Department of Energy

Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513
(859) 219-4000

March 3, 2004

Mr. Walt Francis
United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard, DE-9J
Chicago, Illinois 60604

PPPO-3-023-04

Dear Mr. Francis:

NOTICE OF VIOLATION RCRA COMPLIANCE INSPECTION U.S. DEPARTMENT OF ENERGY PIKETON, OHIO EPA ID# OH7 890 008983

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DOE is unable to determine USEPA's basis for this NOV. The RCRA Hazardous Waste Generator Inspection Checklist completed by the USEPA Inspector at the time of the inspection was provided with the NOV. This checklist indicates the batteries were being stored for longer than one year in order to facilitate proper recovery, treatment or disposal, and it does not indicate PORTS is in violation with the storage provision.

Furthermore, PORTS has reviewed both the Work Packages and Health Physics surveys for the batteries USEPA observed during the inspection. Enclosed please find copies of the Maintenance Work Control packages for the batteries, which are the controlling documents for scheduling and conducting the battery replacement activities. These packages demonstrate that the batteries observed during the inspection were generated between January – June 2003, and had been stored for less than one year. These batteries were later shipped offsite to a recycler on December 8, 2003. PORTS did not generate any lead acid batteries between January 2002 and December 2002. It is true that more than year had lapsed between the January 22, 2002 shipment and the inspection. However, this is irrelevant since the batteries observed had not been in storage more than one year since the date those specific batteries had been generated. Consequently, PORTS has not violated the cited provision.

DOE and BJC consider all NOVs as a serious matter. We are requesting that USEPA rescind this NOV and return the site to compliant status. If you have any questions or comments, please contact Melda Rafferty at (740) 897-5521.

Sincerely,

R Franklin for

William E. Murphie
Manager
Portsmouth/Paducah Project Office

Enclosure

cc w/enclosure:
Paul Little, Region 5/USEPA
Thomas Skinner, Region 5/USEPA
Melody Stewart, OEPA/Loagn
Gil Drexel, BJC/PORTS

ATTACHMENT 1
Work Control Information for Batteries

Equipment History Module

WO D2120768

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 1

Location:

Comments

Requestor

ID: HALCOMB

Location:

Phone:

Required: / /

Creator: 60275 12/30/2002 10:37

Status

Status: F

Printed: 2

Classification

Work Order Type: STAND

Section: R

Source

Work Type: CM

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Dept:

Eq Type:

Eq RIME: 0

Serial Number:

Location: X-7725

Plant Location: X-7725

Out of Service: / / :

Return to Service: / / :

Equipment History Module

WO 02120768

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Cost Approver 60275

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F

Account 2820.501

Department

Project 4004-447-003

Scheduling

Start 01/06/2003 :

Finish 01/15/2003 :

Duration 0.00

Printed 2 Times

Equipment History Module

WO D2120768

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

EMERGENCY	C1 Col. 29 A-8
EMERGENCY	N1 East Wall by Ped. Dr S3
EXIT	N1 South of Rm 78
EMERGENCY	N1 Above Dr 78
EMERGENCY	N1 North of Ped Dr 74
EXIT	N Col 18 B-3
EMERGENCY	N Col 18 B-1
EMERGENCY	N Col 26.8 B-4
EMERGENCY	N Col 21.4 B-4

Equipment History Module

WO 02120769

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 2

Location:

Comments

Requestor

ID: HALCOMB

Location:

Phone:

Required: / /

Creator: 60275 12/30/2002 10:40

Status

Status: F

Printed: 1

Classification

Work Order Type: STAND

Section: R

Source

Work Type: CM

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Dept:

Serial Number:

Out of Service: / / :

Eq Type:

Location: X-7725

Return to Service: / / :

Eq RIME: 0

Plant Location: X-7725

Equipment History Module

WO 02120769

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Cost Approver 60275

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F

Account 2820.501

Department

Project 4004-448-003

Scheduling

Start 01/27/2003 :

Finish 02/28/2003 :

Duration 0.00

Printed 1 Times

Equipment History Module

WO 02120769

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Combination	N Rm 96 inner office
EXIT	BNR Col 37 C-4
EMERGENCY	BNR Col 37 B-6
EMERGENCY	G Col 39 B-4
EMERGENCY	J West Wall Col 46.5 C-1
EMERGENCY	BNR Rm 118 West Wall Norht End
EMERGENCY	K East Wall
EMERGENCY	K Col 43 C-2
EXIT	ANR 2nd Flr. Col 42 D-3
EMERGENCY	ANR 2nd Flr N Wall Rm 278

Work Order Module

WO 02120770

Detail | Schedule | Completion | Approval Routing | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 3

WBS: [redacted]

Requestor

Name: HALCOMB

Dept: [redacted]

Phone: [redacted] Required: [redacted]

Creator: 60275 12/30/2002 10:42

Status

Status: F

Printed: 1

Classification

Work Code: CM

Category: R

Type: STAND

Comments

Purchase Materials

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Eq RIME: 0 Serial Number: Building: X-7725

Eq Type: Location: X-7725

Work Order Module

WO 02120770

Detail | Schedule | Completion | Approval Routing | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F | Pay Item 5.0 | Account 2820.501 | Printed 1 Times

WR #/Source | Work Release 4004-449-003 | Work Type CM

Scheduling

Start 01/27/2003 | Finish 04/20/2003 | Dur 0.00

Target

Start 01/20/2003 | Finish 01/24/2003

Actual

Start 02/16/2003 | Finish 04/16/2003 | Dur 0.00

Failure | Action

Complete Work Order

Place on Material Hold

Cancel the WO ☐ | Reason Canceled?

Work Order Module

WO. 02120770

Detail | Schedule | Completion | Approval Routing | Labor | Crafts | Materials | Requirements | Readings | Job Plan

EMERGENCY	Rm 120 North End
EMERGENCY	Stairway #6, 7th Landing
EMERGENCY	Stairway #3, 5th Landing
EMERGENCY	Stairway #3, 26th Landing
EMERGENCY	Stairway #2, 6th Landing
EMERGENCY	4A Col 23.1 B-3
EMERGENCY	4A Col 25 A-8
EMERGENCY	Rm 472 Col 29.8 A-3
EMERGENCY	4C South West Corner in Ceiling
EMERGENCY	4C North West Section in Ceiling

Equipment History Module

WO 02120771

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 4

Location:

Comments

Requestor

ID: HALCOMB

Location:

Phone:

Required: / /

Creator: 60275 12/30/2002 10:44

Status

Status: F

Printed: 2

Classification

Work Order Type: STAND

Section: R

Source

Work Type: CM

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Dept:

Serial Number:

Out of Service: / / :

Eq Type:

Location: X-7725

Return to Service: / / :

Eq RIME: 0

Plant Location: X-7725

Equipment History Module

WO 02120771

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Cost Approver 60275

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F

Account 2820.501

Department

Project 4004-450-003

Scheduling

Start 01/13/2003 :

Printed 2 Times

Finish 01/31/2003 :

Duration 0.00

Equipment History Module

WO 02120771

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

```
EMERGENCY                    Rm 474 North Wall
EXIT                         Rm 474 West Wall
EMERGENCY                    4th Flr on an unmarked column East of Col
37 C-1
EXIT                         4th Flr Col 37 C-6
EMERGENCY                    Rm 488 North Wall Behind Col 39 C-3
EMERGENCY                    Rm 488 West of Ped Dr to Stairway #7
EMERGENCY                    Rm 488 North Wall Behind Col 39 B-6
EMERGENCY                    Rm 488 Ped Dr to Stairway #6, West of Dr.
EXIT                         Area 4A at Column 23.1 C7
```

Equipment History Module

WO 02120772

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 5

Location:

Comments

Requestor

ID: HALCOMB

Location:

Phone:

Required: / /

Creator: 60275 12/30/2002 10:47

Status

Status: F

Printed: 2

Classification

Work Order Type: STAND

Section: R

Source

Work Type: CM

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Dept:

Serial Number:

Out of Service: / / :

Eq Type:

Location: X-7725

Return to Service: / / :

Eq RIME: 0

Plant Location: X-7725

Equipment History Module

WO 02120772

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Cost Approver 60275

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F

Account 2820.501

Department

Project 4004-451-003

Scheduling

Start 01/20/2003 :

Finish 01/31/2003 :

Duration 0.00

Printed 2 Times

Equipment History Module

WO 02120772

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

```
EXIT                                    Rm 372 North West Corner, Above
Ped Dr to Stairway #7
EXIT                                    Rm 372 Col 39 B-7
EXIT                                    Rm 372 Col 39 A-9
EMERGENCY                         2nd Flr Above N1 Catwalk to Stairway #5.
EMERGENCY                         Rm 271; 1 Col South of Col 41 B-8
EMERGENCY                         5th Flr Col 31 B-2
EMERGENCY                         5th Flr on wall North of Col 31 B-8
EMERGENCY                         5th Flr on wall North of Col 31 C-1
EMERGENCY                         5th Flr Col 29.8 C-8
EMERGENCY                         5th Flr Col 33.3 B-2
```

Equipment History Module

WO 02120773

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Request: REPLACE EMERGENCY LIGHTS PER LIST IN JOB PLAN PART 6

Location:

Comments

Requestor

ID: HALCOMB

Location:

Phone:

Required: / /

Creator: 60275 12/30/2002 10:50

Status

Status: F

Printed: 1

Classification

Work Order Type: STAND

Section: R

Source

Work Type: CM

Equipment

EqID: X-7725 RECYCLE/ASSEMBLY BLDG

Dept:

Serial Number:

Out of Service: / / :

Eq Type:

Location: X-7725

Return to Service: / / :

Eq RIME: 0

Plant Location: X-7725

Equipment History Module

WO 02120773

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

Assignments

Current 60275 EDELMANN, MIKE

Cost Approver 60275

Responsible for Work

Priority

Equipment RIME Class 0

Work Order RIME Class 0

Priority 4

Planning and Cost Accounting

Status F

Account 2820.501

Department

Project 4004-452-003

Scheduling

Start 01/27/2003 :

Finish 02/07/2003 :

Duration 0.00

Printed 1 Times

Equipment History Module

WO D2120773

Detail | Schedule | Completion | Approvals | Labor | Crafts | Materials | Requirements | Readings | Job Plan

EMERGENCY	2nd Flr in front of Rm 264
EMERGENCY	2nd Flr Rm 239 N Side
EMERGENCY	2nd Flr Outside Rm 205 in Hall
EMERGENCY	2nd Flr Outside Rm 211
EMERGENCY	3rd Flr Outside Rm 310
EMERGENCY	3rd Flr Outside Elev. #2 in Hall
EMERGENCY	1st Flr East end of Lunchroom
EMERGENCY	1st Flr Rm 36 next to locker #371
EMERGENCY	1st Flr Rm 36 North End

WASTREN, Inc.

Portsmouth Facility

Work Order

Date	WO Number
11/21/02	02116131

Building or Equipment Number and Description	Work Code	Building	Account No.	Work Release
X-3346 GCEP FEED & WITHDRAWL FAC	CM	X-3346	2820.501	4104-299-002
Equipment Location	Category S	WO Type STAND	Concurrence: (SPEC Signature)	
Planner: MEB	Priority 4	Scheduled Date 05/01/03	Approval:	

Work Scope:

REMOVE BATTERIES IN X-3346 AND PROPERLY DISPOSE OF THEM

Notification:

Operations/Customer Notified Jim Tomlin (by phone) — Building Operator (Note if by Telephone) — 4/10/03 Date

Post Maintenance Testing: Required? Y / (N) Pass / Fail

Operations: _____ Authorized Signature — _____ Date

Closeout:

Job Completed: Jim Tomlin — Building Operator — Date 4-22-03

Deficiency Tag(s) and/or Stickers Removed: NA — Date _____

Supervisor: _____ Date _____

Work Request:

Work Order 02116131

WORK ORDER REQUIREMENTS

Permits

- ☐ LO / TO
- ☐ Welding / Burning / Hot Work
- ☐ Excavation / Penetration
- ☐ Confined Space
- ☐ RWP
- ☐ Lift Plan

Hazard Identification

- ☐ High Pressure
- ☐ Oxygen Deficient
- ☐ Oxygen Enriched
- ☐ Vibration / Shock Sensitive
- ☐ Work on water bodies
- ☐ Elevated work surface >6 feet
- ☐ Open Energized Systems >600V
- ☐ HF (hydrogen fluoride)
- ☐ Pyrophoric
- ☐ Over public roads (DOT / EPA La
- ☐ Steam Systems
- ☐ Natural Gas

Maintenance Equipment

- ☐ Welding Screens
- ☐ Lift Truck
- ☐ Vacuum Truck
- ☐ Ladder
- ☐ ManLift (JLG)
- ☐ Portable Welder
- ☐ Scaffold
- ☐ Scissors Lift
- ☐ Crane

EQUIPMENT LOCK OUT(S)

#	LOID	Description

MATERIAL LIST

PartID	Description	Requested Qty.
Z102492	LINERS, 38X65, 3ML, 100/CASE	1
Z103477	LINERS, PLASTIC POLYETHYLENE FOR 5 G	1

CRAFT / LABOR

Description

CARP CARPENTERS

0 ASSEMBLE PALLETES WITH FLAT CONTINUOUS SURFACE
Attach board to top of (5) palletes using scrap materials located at north end of corridor. Contact Kregg Uhrig for delivery point and specific material requirements and pallete size.

Completed: Shop + Team

Comments: Routine

ELEC ELECTRICIANS

1 PRE-JOB BRIEFING
Perform Pre-job briefing prior to start of work explaining battery condition and associated hazards.
Walkdown job-site to ensure Electricians are familiar with protective measures.
Review AHA each day with crew.

Completed: [illegible] 4/17/03

Comments:

ELEC ELECTRICIANS
2 DISCONNECT BATTERIES AT X-3346
Disconnect and remove battery jumpers.
Disconnect leads to panel and tape ends.

Completed: _____

Comments: _____

ELEOT ELECTRICIANS OT RATE
2 CONTINUE DISCONNECTING LEADS
1.Continue disconnecting leads
2.Remove old conduit as necessary

Completed: _____

Comments: _____

ELEC ELECTRICIANS
3 SEAL BATTERY TOPS
Slide plastic bag over each battery and tape to battery case.

Completed: _____

Comments: _____

ELEOT ELECTRICIANS OT RATE
3 CONTINUE BATTERY SEALING

Completed: _____

Comments: _____

ELEC ELECTRICIANS
4 MOVE BATTERY FROM RACK TO PALLETE
With plastic bag rolled down to pallete, set batteries in plastic.
Once pallete is filled with batteries, close and tape bag.

Completed: _____

Comments: _____

ELEOT ELECTRICIANS OT RATE
4 CONTINUE MOVING BATTERIES FROM RACK TO PALLETES

Completed: _____

Comments: _____

ELEC ELECTRICIANS
5 MOVE BATTERIES TO DESIGNATED STAGING AREA FOR WASTE MNGMT

Completed: _____

Comments: _____

ATTACHMENTS

Description	Printable
D Attachment G:\SOMAX\SOMAX ATTACHMENTS\(NEW PTHR) PRE-TASK HAZARD REVIEWT.DOC Printed Succe	YES
S Attachment G:\SOMAX\SOMAX ATTACHMENTS\(PJB) FIELD WORK BRIEFING FORM.DOC Printed Successfully	YES
F Attachment H:\KERRY\WORK CONTROL\FORM-1_R7D05_FINAL-2.DOC Printed Successfully	YES

Work in Progress / Craftsman Notes (Please List detail of materials (size, etc.) if any were used)

WASTREN, Inc.

Portsmouth Facility
Work Order

Date	WO Number
04/29/03	03040330

Building or Equipment Number and Description	Work Code	Building	Account No.	Work Release
X-1000 X-1000 BUILDING	CM	X-1000	2820.501	4104-551-006
Equipment Location	**Category**	**WO Type**	**Concurrence: (SPEC Signature)**	
PORTS	R	STAND		
Planner: MEB	**Priority** 3	**Scheduled Date** 05/13/03	**Approval:**	

Work Scope:
ASSIST WITH X-1000 BATTERY REPLACEMENT

Notification:

Operations/Customer Notified _____ Building Operator (Note if by Telephone) 5-14-03 Date

Post Maintenance Testing: Required? Y / N Pass / Fail

Operations: _____ Authorized Signature _____ Date

Closeout:

Job Completed: _____ Building Operator Date 5-27-03

Deficiency Tag(s) and/or Stickers Removed: _____ Date _____

Supervisor: _____ Date 5-16-03

Work Request:

Work Order **03040330**

WORK ORDER REQUIREMENTS

Permits

- ☐ LO / TO
- ☐ Welding / Burning / Hot Work
- ☐ Excavation / Penetration
- ☐ Confined Space
- ☐ RWP
- ☐ Lift Plan

Hazard Identification

- ☐ High Pressure
- ☐ Oxygen Deficient
- ☐ Oxygen Enriched
- ☐ Vibration / Shock Sensitive
- ☐ Work on water bodies
- ☐ Elevated work surface >6 feet
- ☐ Open Energized Systems >600V
- ☐ HF (hydrogen fluoride)
- ☐ Pyrophoric
- ☐ Over public roads (DOT / EPA
- ☐ Steam Systems
- ☐ Natural Gas

Maintenance Equipment

- ☐ Welding Screens
- ☐ Lift Truck
- ☐ Vacuum Truck
- ☐ Ladder
- ☐ ManLift (JLG)
- ☐ Portable Welder
- ☐ Scaffold
- ☐ Scissors Lift
- ☐ Crane

EQUIPMENT LOCK OUT(S)

#	LOID	Description

MATERIAL LIST

PartID	Description	Requested Qty.

No Parts were planned for this work order

CRAFT / LABOR

Description

CARP CARPENTERS

1 REINFORCE PALLETS FOR MOVEMENT OF BATTERIES FROM X-1000

Completed: D Shepherd

Comments:

PAINT PAINTERS

2 CLEAN AND PAINT RACKS FOR BATTERIES.

Completed: C. G. White

Comments:

ATTACHMENTS

Description	Printable
A	YES
Attachment G:\SOMAX\SOMAX ATTACHMENTS\(NEW PTHR) PRE-TASK HAZARD REVIEWT.DOC Printed Suc	
S	YES
Attachment G:\SOMAX\SOMAX ATTACHMENTS\(PJB) FIELD WORK BRIEFING FORM.DOC Printed Successfull	
F	YES
Attachment H:\KERRY\WORK CONTROL\FORM-1_R7D05_FINAL-2.DOC Printed Successfully	

Work in Progress / Craftsman Notes (Please List detail of materials (size, etc.) if any were used)

WASTREN, Inc.

Portsmouth Facility

Work Order

Date	WO Number
05/13/03	03050283

Building or Equipment Number and Description	Work Code	Building	Account No.	Work Release
X-1000 X-1000 BUILDING	CM	X-1000	2820.501	4104-636-006
Equipment Location	**Category**	**WO Type**	**Concurrence: (SPEC Signature)**	
PORTS	R	STAND	N/A	
Planner: MEB	**Priority** 2	**Scheduled Date** 05/22/03	**Approval:**	

Work Scope:

ADDITIONAL TIME REQUIRED FOR PROCESSING BATTERY REPLACEMENT IN X-1000

Notification:

Operations/Customer Notified _____ Building Operator (Note if by Telephone) 6-4-03 Date

Post Maintenance Testing:

Required? (Y) / N

Operations: _____ Authorized Signature (Pass) / Fail 5/29/03 Date

Closeout:

Job Completed: _____ Building Operator Date 6-4-03

Deficiency Tag(s) and/or Stickers Removed: _____ Date _____

Supervisor: B. Fowler Date 5-29-03

Work Request:

Work Order **03050283**

WORK ORDER REQUIREMENTS

Permits

- ☐ LO / TO
- ☐ Welding / Burning / Hot Work
- ☐ Excavation / Penetration
- ☐ Confined Space
- ☐ RWP
- ☐ Lift Plan

Hazard Identification

- ☐ High Pressure
- ☐ Oxygen Deficient
- ☐ Oxygen Enriched
- ☐ Vibration / Shock Sensitive
- ☐ Work on water bodies
- ☐ Elevated work surface >6 feet
- ☐ Open Energized Systems >600V
- ☐ HF (hydrogen fluoride)
- ☐ Pyrophoric
- ☐ Over public roads (DOT / EPA La
- ☐ Steam Systems
- ☐ Natural Gas

Maintenance Equipment

- ☐ Welding Screens
- ☐ Lift Truck
- ☐ Vacuum Truck
- ☐ Ladder
- ☐ ManLift (JLG)
- ☐ Portable Welder
- ☐ Scaffold
- ☐ Scissors Lift
- ☐ Crane

EQUIPMENT LOCK OUT(S)

#	LOID	Description

MATERIAL LIST

PartID	Description	Requested Qty.

No Parts were planned for this work order

CRAFT / LABOR

Description

ELEOT ELECTRICIANS OT RATE
1 ADDITIONAL TIME FOR REMOVAL

Completed: _____

Comments: _____

ELEOT ELECTRICIANS OT RATE
2 ADDITIONAL TIME FOR INSTALLATION

Completed: _____

Comments: _____

MSOT MAINT SUPERVISOR
3 SUPERVISE BATTERY JOB ON OVERTIME

Completed: _____

Comments: _____

ATTACHMENTS

Description	Printable
P	YES
Attachment G:\SOMAX\SOMAX ATTACHMENTS\(NEW PTHR) PRE-TASK HAZARD REVIEWT.DOC Printed Succe	
,	YES
Attachment G:\SOMAX\SOMAX ATTACHMENTS\(PJB) FIELD WORK BRIEFING FORM.DOC Printed Successfully	

Work in Progress / Craftsman Notes (Please List detail of materials (size, etc.) if any were used)

OH7 890 008 983

LAND AND CHEMICALS DIVISION

Type of Document: Notice of Violation Letter

Name of Document: U.S. DOE Portsmouth Gaseous Diffusion Plant, Piketon, Ohio

	NAMES	DATE
AUTHOR:	W. Francis W.F.	9/15/2014
APA:	G. Cuerington 9/15/14	9/15/2014
SECTION CHIEF:	J. Morris W.F. for J.M.	9/15/2014
BRANCH CHIEF:	G. Victorine	9/19/14
DIVISION APA:		
DIVISION DIRECTOR:		
ORC:		
DRA:		
RA:		

RETURN TO: Walt Francis

PHONE: 3-4921

COMMENTS:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

SEP 19 2014

REPLY TO THE ATTENTION OF:

CERTIFIED MAIL 7009 1680 0000 7677 8305
RETURN RECEIPT REQUESTED

Mr. William E. Murphie
Manager
Portsmouth/Paducah Project Office
U.S. Department of Energy
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513

Mr. Dennis Carr
Fluor-B&W Portsmouth, LLC
Post Office Box 548
Piketon, Ohio 45661

Re: Notice of Violation
RCRA Compliance Inspection
U.S. DOE Portsmouth Gaseous Diffusion Plant, Piketon, Ohio
OH7 890 008 983

Dear Messrs. Murphie and Carr:

On March 24 through March 26, 2014, representatives of the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency (Ohio EPA) inspected the U.S. Department of Energy (DOE) Portsmouth Gaseous Diffusion facility ("Portsmouth facility") located in Piketon, Ohio. The purpose of the inspection was to evaluate U.S. DOE's and Fluor-B&W Portsmouth, LLC (FBP) compliance with certain provisions of the Resource Conservation and Recovery Act (RCRA); specifically, those regulations related to the generation and storage of hazardous waste. We have enclosed a copy of the RCRA inspection report for your reference. In addition, EPA acknowledges receiving several e-mails from U.S. DOE since the March 24, 2014 inspection.

Based on information provided by DOE and FBP personnel, review of records and physical observations by the inspectors, EPA finds that the Portsmouth facility was not in compliance with certain requirements of the Ohio Administrative Code (OAC), the United States Code of Federal Regulations (CFR) and the RCRA Hazardous Waste Installation and Operation Permit license issued by Ohio EPA to the DOE for the Portsmouth Facility.

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1) The Portsmouth facility's Ohio Hazardous Waste Facility Installation and Operation Permit Renewal, dated March 25, 2011, includes General Facility Conditions in Module B. Specifically, the permit states in section B.24 Manifest System, that "in the management of waste at the facility, the Permittee shall comply with the provisions of OAC Chapter 3745-52 and OAC Rules 3745-54-71, 3745-54-72 and 3745-54-76 with regard to the manifest system." Pursuant to OAC Chapter 3745-52-20(A), a generator of hazardous waste who transports, or offers for transportation, hazardous waste for off-site treatment, storage, or disposal must prepare a manifest on U.S. EPA form 8700-22 according to the instructions in the appendix to 40 C.F.R. Part 262, before transporting the hazardous wastes off-site. Completion of item I, U.S. EPA form 8700-22, and if necessary, item R, U.S. EPA form 8700-22A, and relating to the U.S. EPA waste number, is required in addition to completion of items one through twenty and items twenty-one through thirty-five respectively, on these forms. See, OAC Rule 3745-52-20(A) and (B).

   During the records review portion of the inspection, the inspectors observed that eight TSD manifest copies for shipments to DSSI/Permafix Environmental Services, Kingston, Tennessee were missing the Hazardous Waste Report Management Method Codes in Item 19 of the hazardous waste manifest (manifest tracking numbers 001596125 GBF, 001596126 GBF, 001596128 GBF, 001596129 GBF 001596140 GBF, 001596141 GBF, 001596142 GBF, and 001596144 GBF). At the time of the inspection, DOE and FBP were in violation of OAC Rule 3745-52-20(B) [40 CFR § 262.20] and Section B.24 of the Portsmouth facility RCRA Permit.

2) A generator who ships any hazardous waste off-site must prepare and submit to Ohio EPA a "Generator Annual Hazardous Waste Report" by March 1st of each year. The Generator Annual Hazardous Waste Report must be prepared using the forms and instruction supplied by the director upon the request of the generator, must cover generator activities during the previous year, and must include certain information. See, OAC Rule 3745-52-41(A). The annual report must be prepared in accordance with applicable provisions of OAC Rules 3745-50-40 to 3745-50-62 and Chapters 3745-54 to 3745-57, 3745-58, and 3745-65 to 3745-69 of the Administrative Code. See, OAC Rule 3745-52-41(B).

   During the inspection of Building X-710, Rooms 285 and 216, the inspectors were told that DOE/FBP personnel generate acid hazardous waste that they neutralize and place down the drain. The DOE/FBP 2013 Annual Hazardous Waste Report does not include the volume of acid waste neutralized on-site in Building X-710. At the time of the inspection, DOE/FBP was in violation of OAC Rule 3745-52-41(B).

   Please include in your response a list of laboratories and room numbers in Building X-710 that generate and neutralize hazardous wastes that are placed down the drain, as well as waste determination information on each waste stream.

Area of Concern

Although RCRA regulations do not require training of personnel working in Satellite Accumulation Areas (SAA), personnel working in SAAs should be familiar enough with the chemicals with which they are working to know when they have generated a RCRA hazardous waste so that it is managed in accordance with the RCRA regulations. During the inspection of Building X-710, inspectors were told that laboratory staff generate corrosive waste that is neutralized and placed down the drain. However, the staff generating wastes at SAA containers had not received any hazardous waste training. We recommend that the staff who are generating and neutralizing hazardous waste receive hazardous training and annual refresher classes.

Under Section 3008(a) of RCRA, 42 U.S.C. § 6928, EPA may issue an order assessing a civil penalty for any past or current violation and requiring compliance immediately or within a specified time period. Although this letter is not such an order, we request that you submit a response in writing to this office no later than thirty (30) days after receipt of this letter documenting the actions, if any, which have been taken since the inspection to establish compliance with the above conditions and requirements.

If you have any questions regarding this letter, please contact Walt Francis, of my staff, at (312) 353-4921.

Sincerely,

Gary J. Victorine, Chief
RCRA Branch

Enclosures

cc: Melody Stewart, OEPA – Southeast District Office
(melody.stewart@epa.ohio.gov)
Bruce McCoy, Ohio EPA – Columbus Office
(bruce.mccoy@epa.ohio.gov)
Vince Adams, U.S. DOE Portsmouth Site Director
(vince.adams@lex.doe.gov)
Amy Lawson, U.S. DOE Portsmouth
(amy.lawson@lex.doe.gov)
Kristi Wiehle, U.S. DOE Portsmouth
(kristi.wiehle@lex.doe.gov)

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 W. JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604

RCRA COMPLIANCE EVALUATION INSPECTION REPORT

FACILITY NAME:	**U.S. DOE PORTSMOUTH GASEOUS DIFFUSION PLANT**
FACILITY U.S. EPA ID NO.:	**OH7 890 008 983**
FACILITY TYPE:	**Large Quantity Generator and Container Storage Facility**
FACILITY ADDRESS:	3930 US Route 23 South Piketon, Ohio 45661
U.S. EPA REPRESENTATIVE:	Walt Francis
DATE(S) OF INSPECTION:	March 24 through March 26, 2014
SIC CODE:	**2819** - Industrial Inorganic Chemicals, Not Elsewhere Classified
NAICS CODE:	**325188** - All Other Basic Inorganic Chemical Manufacturing

PREPARED BY: _____ 4/14/2014
Walt Francis **Date**
Environmental Scientist

ACCEPTED BY: _____ 4/18/14
Julie Morris, Chief **Date**
Compliance Section 2
RCRA Branch

Purpose of Inspection

The purpose of this inspection was to conduct a Compliance Evaluation Inspection (CEI) at the U.S. Department of Energy Portsmouth Gaseous Diffusion Plant (Portsmouth), Piketon, Ohio to determine its compliance with the Resource Conservation and Recovery Act (RCRA), the Ohio Administrative Code (OAC), and the RCRA Permit requirements with respect to U.S. DOE's and Fluor-B&W Portsmouth, LLC's management of hazardous waste, universal waste and used oil as part of a U.S. EPA multimedia inspection.

Participants

U.S. Environmental Protection Agency (U.S. EPA) Inspectors -
Walt Francis, Environmental Scientist
Lynne Roberts, Environmental Scientist
Jennifer Welch, Environmental Engineer
Jonathan Moody, Environmental Engineer
Arturo Cisneros, Environmental Scientist

Ohio Environmental Protection Agency (Ohio EPA) Inspectors -
Melody Stewart, Hazardous Waste Inspector
Maria Galanti, Environmental Specialist II
Jack Knapp, Environmental Specialist II

Representatives of U.S. DOE, Fluor-B&W Portsmouth, LLC (FBP), Wastren-EnergX Mission Support, LLC (WEMS), Restoration Services (RSI), United States Enrichment Company/American Centrifuge Plant (USEC/ACP), and Babcock and Wilcox Conversion Services (BWCS) -
Kristi Wiehle, U.S. DOE
Amy Lawson, U.S. DOE
Rosemary Richmond, RSI
Jason Lovins, FBP
Bob Nichols, FBP
Sandy Childers, Insolves
Dennis Carr, FBP
Fred Hughes, FBP
Eric Foster, FBP
Ryan Conkel, FBP
Robert Blythe, FBP
Dean Lobdell, FBP
Marilew Bartling, FBP
John McCoy, FBP

Cidney Voth, DOE Oversight Operations
Greg Uetrecht, RSI
Bob Anderson, WEMS
Chris Guilliams, FBP
Jeremy Davis, RSI
Bob French, FBP
Frank Johnston, FBP
Sue Fulk, USEC/ACP
Carolyn Hamilton, USEC/ACP
Roger Coates, BWCS
Jyh-Dong Chion, FBP
David McClay, United Steel Worker Safety
Greg Goslon, USEC/ACP
Christopher Brust, USEC/ACP
Nathan Banks, USEC/ACP

Site Description/Background Information

Historically, the main function of the Portsmouth facility was to enrich uranium for military use (nuclear submarines and nuclear weapons) and commercial reactors through a gaseous diffusion process. This involved the separation of U235 from the U238 isotope in uranium hexafluoride (UF6) feedstock which contains 0.711% U235. The Portsmouth facility was constructed from 1952 to 1956 and had produced enriched uranium continuously since September 1954. In 1993, the uranium enrichment facilities at the plant were leased to the United States Enrichment Corporation (USEC). U.S. DOE retained ownership of the ongoing site environmental restoration program as well as the permitted hazardous waste storage facilities.

Numerous other activities associated with the plant's main function also occur on-site and were leased by USEC. As of March 2012, U.S. DOE and FBP activities included decontamination of equipment and uranium recovery (X-705 Building); chemical cleaning of equipment (X-700); maintenance crafts, including paint, sheet metal, machining, valve, compressor, welding, electrical, motor rewind, metallurgy, instruments and carpentry (X-720); laboratory services (X-710); wastewater treatment (X-6619); water treatment (X-611); chromium removal (X-616); uranium operations, fluorine generation and cylinder handling (X-344); vehicle repair (X-750); coal pile runoff treatment (X-621); and electrical and utilities system.

Hazardous waste and mixed waste which was generated from the gaseous diffusion and associated processes leased by USEC is stored in U.S. DOE owned and permitted storage facilities. Waste generated by U.S. DOE and FBP from the environmental restoration is also stored in these facilities. U.S. DOE also generates non mixed radioactive hazardous waste, universal waste and used oil which is shipped out of Building XT-847. USEC ceased the enrichment process in May 2001, and discontinued on-site operations on October 10, 2011. U.S. DOE and FBP manage hazardous waste, universal waste and used oil generated from on-site maintenance, on-site storage activities, remediation and demolition activities.

Uranium contaminated hazardous wastes (mixed waste) which were generated by USEC and are generated by U.S. DOE and FBP are stored on-site in U.S. DOE-owned and operated hazardous waste container storage facilities for longer than one year. Historically, this was due to the limited number of treatment, storage and disposal (TSD) facilities in the United States which could accept mixed waste, and a May 1991 U.S. DOE moratorium on off-site waste shipment. A large percentage of the waste generated at Portsmouth is U.S. DOE-generated mixed waste from the site-wide cleanup activities. This is also stored in U.S. DOE-owned storage areas. U.S. DOE sends some waste off-site (to U.S. DOE Oakridge) for treatment prior to final disposal. Treatment residuals are returned to U.S. DOE - Portsmouth for storage in the interim prior to their final disposal.

U.S. DOE/FBP generated hazardous wastes are primarily shipped to Energy Solutions, Clive, Utah (UTD982598898), DSSI/Perma-Fix, Kingston, Tennessee (TND982109142), Perma-Fix, Oak Ridge, Tennessee (TNR000005397), EQ Detroit, Detroit, Michigan (MID980991566), and Chemical Waste Management, Emelle, Alabama (ALD000622464). In addition, a wide variety of radioactive and other nonhazardous wastes are generated as a result of the above processes. Babcock & Wilcox Conversion Services is working on a project to recover Hydrofluoric Acid and Uranium Oxide material from depleted uranium hexafluoride (DUF6) cylinders.

On March 25, 2011 Ohio EPA renewed the RCRA Permit for the Portsmouth facility. The renewed RCRA Permit includes six container storage areas in Building X-326. The renewed RCRA Permit states in Section B.36(m) that U.S. DOE/FBP may store restricted waste beyond one year; however, the Permittee bears the burden of proving that such storage was solely for the purpose of accumulating such quantities of hazardous waste as are necessary to facilitate proper recovery, treatment or disposal [OAC Rule 3745-270-50].

Opening Conference

On March 24, 2014 Walt Francis, Lynne Roberts, Jennifer Welch, Jonathan Moody and Melody Stewart arrived at Building X-1000 at approximately 8:00 a.m. and informed the U.S. DOE, RSI, FBP, USEC/ACP, and BWCS representatives of the nature, scope, and procedures for the multimedia inspection. The inspection was conducted by U.S. EPA and Ohio EPA personnel as a Federal lead inspection. The facility representatives provided the team with a brief update of the facility, and a list of current hazardous waste satellite accumulation area (SAA) containers, hazardous waste less than 90 day accumulation areas, and universal waste accumulation areas. The current site activities include: Decontamination and Decommissioning (D&D); the DUF6 Conversion Plant; and the ACP research and demonstration. The Portsmouth site currently has approximately 2,900 employees. Ms. Lawson did not make a confidential business information claim on the information gathered during the inspection. Ms. Amy Lawson allowed the inspectors access to the facility to conduct the inspection.

Site Tour

The RCRA inspection team included Mr. Chris Guilliams, Ms. Melody Stewart and Mr. Walt Francis. The inspection began at Building X-624. Mr. Guilliams introduced Mr. Greg Thompson, Ground Water Treatment Facility Operations Supervisor. Mr. Thompson showed the inspectors a 55-gallon SAA container labeled "F001, Bag Filters, PPE, Plastic". The walk-through continued to Building X-752. Mr. Guilliams introduced Mr. Kevin Cawley, Facility Manger. Mr. Cawley took the inspectors to Building X-752. The inspectors observed five 55-gallon containers labeled "Lead". Mr. Guilliams told the inspectors that the lead material was lead bricks used for shielding. Mr. Cawley showed the inspectors a container of used oil and a less than 90 day hazardous waste accumulation area (Area "Bay R"). Inspector Francis observed a container labeled "Aerosol Cans, D001" with a "3/18/14" accumulation date. Also, Mr. Cawley showed the inspectors a SAA container labeled "Used Oil Filters Pending Analysis, 3/19/14". The walk-through continued to Warehouse 9. Mr. Cawley showed the inspectors new 55-gallon containers in storage and excess material. The inspection continued to Building X-720. Mr. Guilliams introduced Ms. Beverly Kelley. Ms. Kelley showed the inspectors an area with universal waste and hazardous waste containers. Inspector Francis observed four 30-gallon containers and one 55-gallon container dated "3/8/14, 1/22/14, 3/18/14, 3/20/14, and 3/11/14". The walk-through continued in Building X-720 to Column J11. Ms. Kelley showed the inspectors a 55-gallon SAA container labeled "Excess Chemicals". The walk-through continued to Column L15. Ms. Kelley showed the inspectors a 5-gallon SAA container. The walk-through continued to another SAA 5-gallon container at column L15. The walk-through continued to the "Cleaning Room". Ms. Kelley showed the inspectors three SAA polybottles. The walk-through continued to the Radio Shop. Ms. Kelley showed the inspectors a 5-gallon SAA container utilized for "ITM Sensors". The walk-through continued to the Air Pal Shop. Ms. Kelley showed the inspectors a 5-gallon SAA container. The walk-through continued to a universal waste accumulation area. Ms. Kelley showed the inspectors fifteen boxes of 4-foot used fluorescent lamps and 6 boxes of 8-foot used fluorescent lamps. The walk-through continued to Building X-720C. Ms. Kelley showed the inspectors a hazardous waste less than 90 day accumulation area. Inspector Francis observed a 55-gallon container labeled "Diesel Fuel, D001, 3/10/14", a 5-gallon container labeled "D001, 1/15/2014", and two containers labeled "Gasoline, D019, 3/21/14". Inspector Francis also observed several 55-gallon containers labeled "Used Oil", and a 55-gallon container labeled "Oil, Rags and Metal Shavings" in Building X-720C. The walk-through continued to Building X-700. Mr. Bob Anderson showed the inspectors a 15-gallon SAA container of used aerosol cans (D001), a 30-gallon SAA container of used solvent rags (F005), a 5-gallon SAA container of waste paint thinner, several containers labeled "Used Oil", and a container of used antifreeze. Mr. Anderson showed the inspectors a universal waste accumulation area. Inspector Francis observed several containers of used fluorescent lamps dated "8/21/13" and "10/3/13". The walk-through continued to a less than 90- day hazardous waste accumulation area that was empty in Building X-700. The walk-through continued through Building X-700. The inspectors observed an accumulation container of used toner cartridges. The walk-through continued to another area in Building X-700 where universal waste

used fluorescent lamps were accumulated. Mr. Guilliams introduced Mr. Bryan Jones. Mr. Jones showed the inspectors several boxes of used fluorescent lamps. Inspector Francis noted that the boxes were marked with a "3/14/14" accumulation date. The walk-through continued to a hazardous waste less than 90 day accumulation area. Inspector Francis observed a container labeled "Unknown Liquid, 3/11/14", and a container labeled "Tank Overflow, 2/17/14". The walk-through continued to Building X-623. Mr. Greg Thompson showed the inspectors a 55-gallon SAA container labeled "PPE, Plastic, and Bag Filters". The walk-through continued to Building X-627. Mr. Greg Thompson showed the inspectors a 55-gallon SAA container labeled "PPE, Plastic, Bag Filters, F001". The walk-through continued to Building X-333. Mr. Jack Snyder showed the inspectors a 1-gallon container utilized for universal waste bulbs. Inspector Francis noted that the container was dated "1/16/14". The walk-through continued to a universal waste accumulation area at Column C-10 which was empty. The walk-through continued to Building X-330. Ms. Vickie Glenn and Mr. Jim McMahn took the inspectors to the Electrical Shop. Ms. Glenn showed the inspectors an SAA container utilized for broken bulbs at Column G-43. The walk-through continued to a universal waste accumulation area at column W-34. Ms. Glenn showed the inspectors several boxes of used fluorescent lamps. Inspector Francis noted that the boxes were labeled and dated. The walk-through continued to a 5-gallon SAA container of waste rags at Column EE-35. The walk-through continued to a hazardous waste less than 90-day accumulation area at Column L-49. Inspector Francis noted that the area was empty. The walk-through continued to another universal waste accumulation area at Column G-38. The walk-through continued to Building X-344. Mr. R.J. Lyons showed the inspectors an SAA container in the autoclave area. The walk-through continued to another SAA container at Column E-17 utilized for used sensors. Mr. Lyons showed the inspectors an area for accumulation of electronic scrap, and two 55-gallon containers of used oil at Column E-15. Mr. Lyons also showed the inspectors an accumulation area for universal waste used four-foot fluorescent lamps. Inspector Francis noted that the boxes were labeled and dated. The walk-through continued to Building X-530. Mr. Guilliams showed the inspectors a universal waste accumulation container and a 55-gallon used oil container. The inspectors returned to Building X-1000 for a daily closeout meeting.

On March 25, 2014, Mr. Guilliams took the inspectors to Building X-622. Mr. Greg Thompson showed the inspectors a 55-gallon SAA container labeled "F001, Bag Filters, PPE, Plastic". The walk-through continued to Building X-705. Mr. Marvin Ross directed the inspectors to don coveralls and meet in a conference room. The inspectors met Mr. Jeff Woodard and received a brief safety-orientation prior to entering the radiation zone in Building X-705. The inspectors donned another pair of coveralls, shoe covers, a pair of booties and three pairs of gloves. Mr. Ross took the inspectors into the radiation zone in Building X-705. Mr. Ross showed the inspectors a hazardous waste less than 90-day accumulation area which was empty. The walk-through continued to a universal waste accumulation area. Mr. Ross showed the inspectors a container of four-foot universal waste used lamps, and two 55-gallon containers of used lamps. Inspector Francis noted that the box of used lamps was labeled and dated "2/19/14". The walk-through continued to the Group 2 Cage area at Colum G-19. Mr. Ross showed the inspectors several containers of hazardous waste. The walk-through continued to an SAA container at the

microfiltration device. Mr. Ross showed the inspectors that the container was empty. The walk-through continued to a SAA container at Column AA-9 Mezzanine Cage. The walk-through continued to Building X-326. Mr. Chris Ashley met the inspectors and explained that some sampling was occurring in RCRA hazardous waste storage Area #5. The walk-through continued to RCRA Storage Area #2. Inspector Francis noted a container labeled "D010, MC1814 Gunk, RFD 65311, 10/23/13". The walk-through continued to Area #4 and Area #3. The walk-through continued to the "West L-Cage". Inspector Francis noted a polybottle labeled "D002, X-710, 10/13/13, RFD #13-006867". The walk-through continued to the "East L-Cage". Inspector Francis noted a container labeled "Ash, 13-003618, D006/D007/D008/D009/D011, 3/3/92". Mr. Ashley pointed out several polybottles from Building X-705. The walk-through continued to Column C-71. The walk-through continued to a universal waste accumulation area at Column C-49 Operations Floor. The walk-through continued to a less than 90-day hazardous waste accumulation area at Column T-82. At Column R-80, the inspectors observed a green rusty 55-gallon container. Mr. Guilliams told the inspectors that it was a product. The walk-through continued to a universal waste accumulation area at Column C-49. The inspectors observed several four-foot boxes of used fluorescent lamps dated "3/21/14". The walk-through continued to a hazardous waste less than 90-day accumulation area at Column C-48 which was empty. The walk-through continued to a new hazardous waste less than 90-day accumulation area at Column N-11 which was empty. The walk-through continued to Building X-300. Mr. Guilliams showed the inspectors a one-gallon container utilized for accumulating universal waste. Inspector Francis noted that the container was labeled "3/4/14". The walk-through continued to Building X-750. Mr. Guilliams introduced Mr. Caleb Miller, Facility Manger and Ms. Beverly Kelley. Ms. Kelley showed the inspectors a hazardous waste less than 90-day accumulation area which included a container of used antifreeze, two 55-gallon containers of hazardous waste from Building X-743, one 5-gallon container of used aerosol cans dated "3/14/14". The walk-through continued to the South High Bay Area. The inspectors observed a 5-gallon SAA container utilizes for waste rags and a container utilized for universal waste bulbs dated "10/22/13". Inspector Francis observed a 55-gallon container labeled "Ozzy Juice, Pending Analysis". The walk-through continued to an area with used oil containers and used lead acid batteries. Ms. Kelley told the inspectors that USA Lamp and Ballast picks up the used lead acid batteries. Inspector Francis observed a red vehicle oil changing collection device in this area. The container was unlabeled but empty. The inspectors toured the area outside Building X-750. Inspector Stewart requested photographs of several areas with oil staining on the ground. The walk-through continued to Building X-710. The inspectors met Mr. Brian Pyles. Mr. Pyles took the inspectors to Room #152 Cold Laboratory and showed them an SAA container. Inspector Francis noted that the SAA container was labeled "PPE". The walk-through continued to Room #154. Mr. Pyles showed the inspectors a 5-gallon SAA container labeled "Chromic Acid". The walk-through continued to an SAA area in Room #157. Mr. Pyles showed the inspectors two polybottles. The walk-through continued to Room #142. Mr. Pyles showed the inspectors one SAA container. The walk-through continued to Room #144. Mr. Pyles showed the inspectors a hazardous waste less than 90–day accumulation area in a radiation area. The walk-through continued to Room #124. Mr. Pyles showed the inspectors a 5-gallon SAA container labeled "Lab Waste". The walk-through continued to Room #111. Mr. Pyles showed

the inspectors a 30-gallon SAA container. The walk-through continued to Room #114. Mr. Pyles showed the inspectors a SAA polybottle. The walk-through continued to the loading dock.. Mr. Pyles showed the inspectors a universal waste accumulation area. Inspector Francis noted that the boxes were labeled and dated "2/11/14", "2/12/14", "11/12/13", and "10/29/13". The walk-through continued to the hazardous waste less than 90-day accumulation area adjacent to the loading dock. Mr. Pyles showed the inspectors several containers of hazardous waste. Inspector Francis noted a container labeled "Methanol, ETOH, MEOH, 14-00191, 2/6/14" and a container labeled "Water and Kerosene from Steam Plant, X-690, 3/7/14". The walk-through continued to Room 213. Mr. Pyles showed the inspectors ten 5-gallon SAA containers. The walk-through continued to Room #223. Mr. Pyles showed the inspectors a 5-gallon SAA container that was empty. The walk-through continued to Room #266. Mr. Pyles showed the inspectors a 5-gallon SAA container. The walk-through continued to Room #244. Mr. Pyles showed the inspectors a 5-gallon SAA container labeled "Leachate from X-326". The walk-through continued to Room #263. Mr. Pyles showed the inspectors three 5-gallon SAA containers. The walk-through continued to Room # 260. Mr. Pyles showed the inspectors four 5-gallon SAA containers. The walk-through continued to Room #241. Mr. Pyles showed the inspectors one 5-gallon SAA container. The walk-through continued to the TCLP Laboratory Room #254. Mr. Pyles showed the inspectors two 5-gallon SAA containers. The walk-through continued to Room #238. Mr. Pyles showed the inspectors several SAA polybottle containers and a 5-gallon SAA container. The walk-through continued to Room #281. Mr. Pyles introduced Ms. Tina Bingin. Ms. Bingin showed the inspectors five 5-gallon SAA containers. The walk-through continued to Room #285. Mr. Pyles showed the inspectors four 5-gallon SAA containers and a 30-gallon SAA container. Inspector Francis observed a container labeled "Acidic Sample Waste" with a spigot over a sink. Mr. Pyles told the inspectors that acidic waste is neutralized before putting it down the drain. The walk-through continued to Room #203. Mr. Pyles showed the inspectors a 5-gallon used oil container and a 5-gallon SAA container. The walk-through continued to the Spectroscopy Laboratory Room #216. Mr. Pyles showed the inspectors a 5-gallon SAA container. Inspector Francis observed four 5-gallon containers connected to ICP analytical instruments. Mr. Pyles introduced Mr. Al Shultz in the Spectroscopy Laboratory. Mr. Shultz told the inspectors that the ICP liquid waste contains 5% HNO3 and 5% HCL which is neutralized between pH 4 and 10 and then placed down the drain. The walk-through continued to Building X-670. Mr. Guilliams showed the inspectors a used oil tote outside of the building. Inspector Francis noted that the tote was labeled "Used Oil". The walk-through continued through Building X-670, then to Building X-690, and then to Building XT-847. At Building XT-847, Ms. Mabel Tanner and Ms. Barbara Halcomb showed the inspectors a hazardous waste less than 90-day accumulation area (Area C-2) which was empty. The walk-through continued to a 55-gallon SAA container utilized for broken used fluorescent lamps at Column D18. Ms. Tanner told the inspectors that used lamps and used lead acid batteries are shipped to USA Lamp and Ballast, Cincinnati, Ohio and the used oil is picked up by Glockner Oil, Piketon, Ohio. Inspector Francis observed several boxes of universal waste used lamps in this area which were labeled and dated "1/10/14". The walk-through continued to another hazardous waste less than 90-day accumulation area at Column N-2. Ms. Tanner showed the inspectors a 55-gallon container labeled "D002, 2/18/14", a 55-gallon container labeled "D039,

2/13/14", and a 55-gallon container labeled "D002, 2/14/14". The inspection group returned to a conference room in Building XT-847 to review records. The inspectors reviewed hazardous waste less than 90-day accumulation area weekly inspection logs. The inspection continued at Building X-1007. Mr. Guilliams showed the inspectors two 5-gallon universal waste containers. The inspection group went to Building X-157A to review records.

Records Review

A records review was conducted. The inspection team requested to review hazardous waste manifests, universal waste and used oil shipping records, personnel training information, weekly inspection logs, waste profiles for hazardous waste in storage, and the latest version of the contingency plan. The inspectors reviewed hazardous waste manifests since the date of the last inspection, two years of personnel training records, waste profiles, and weekly inspection logs. The inspectors reviewed off-site hazardous waste manifests. Hazardous waste was being shipped to Energy Solutions, Clive Utah (UTD982598898), DSSI/Permafix, Kingston, Tennessee (TND982109142), Perma-Fix, Oak Ridge, Tennessee (TNR000005397), EQ Detroit, Detroit, Michigan (MID980 991 566), Chemical Waste Management, Emelle, Alabama (ALD000622464). The last off-site shipment was dated February 27, 2014. Universal Waste was being shipped to USA Lamp and Ballast Recycling, Cincinnati, Ohio, and the date of the last off-site shipment was 1/21/2014. Used oil was picked up by Glockner Oil, Piketon, Ohio. The inspectors reviewed a Contingency Plan that was last updated January 2014. The Waste Minimization Report was dated September 10, 2013. Mr. Guilliams provided the inspectors with some information on the closing of the Paint Shop hazardous waste less than 90 day accumulation area in Building X-720.

Closing Conference

The inspectors conducted a closing conference. Inspector Francis explained that he would review his notes from the inspection, and generate an inspection report. U.S. DOE and FBP would then receive a letter from U.S. EPA regarding the inspection including a copy of the inspection report, and completed inspection checklists. In addition, Inspector Francis discussed the inspection of Building X-710 and a manifest recordkeeping issue. Inspector Francis provided a U.S. EPA Small Business Resources information sheet, a U.S. EPA Region 5 Pollution Prevention contact sheet, a U.S. EPA Managing Used Oil Advice for Small Businesses fact sheet, and an Ohio EPA Pollution Prevention Assistance brochure to Mr. Guilliams.

Attachments
Inspection Checklists.

RCRA HAZARDOUS WASTE GENERATOR
INSPECTION CHECKLIST

Company: U.S. DOE Portsmouth Gaseous Diffusion Plant EPA ID#: OH7890008983

Street: 3930 US Route 23 South City: Piketon

County: Pike State: Ohio Zip: 45661

Mailing Address: Same
(If different from above)

Telephone: 740-897-3072 Fax #: _____

Owner/ Operator: U.S. DOE and FBP
(If different from above)

Street: _____

City: _____ State: Ohio Zip: _____

Inspection Date(s): 3/24/2014 Time(s): 8:00 am

Inspection Announced? x Yes ____ NO If so, how much advance notice given? _____

	Name	Affiliation	Telephone
Inspectors:	Walt Francis	U.S. EPA	312-353-4921
	Melody Stewart	Ohio EPA	740-380-5256
Facility Representative:	Amy Lawson	U.S. DOE	740-897-2112
	Chris Guilliams	Fluor-B&W Portsmouth, LLC	740-897-3863

Complete All Other Applicable Checklists

Generator Classification	Waste Management Activity
____ Conditionally Exempt SQG (CESQG)	X Containers
____ Small Quantity Generator (SQG)	____ Tank(s)
X Large Quantity Generator (LQG)	____ Land Disposal Requirements (LDR)
____ No Generation	X Used Oil
	X Universal Waste
	____ Other

CESQG:< 100 Kg. (approximately 25-30 gallons) of waste in a calendar month
SQG: Between 100 and 1,000 Kg. (about 25 to under 300 gallons) of waste in a calendar month
LQG: >1,000 Kg. (~300 gallons) of waste in a calendar month or > 1 Kg. of acutely hazardous waste in a calendar month
NOTE: *To convert from gallons to pounds: Amount in gallons x Specific Gravity x 8.345 = Amounts in pounds*

COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY

NOTE TO THE INSPECTOR

STATE PART B HAZARDOUS WASTE PERMIT INSPECTION CHECKLIST

DIVISION OF HAZARDOUS WASTE MANAGEMENT
OHIO EPA
April 2012

OHIO PART B PERMITTED FACILITY
RCRA INSPECTION CHECKLIST

Facility: Portsmouth Gaseous Diffusion Plant Ohio Permit #: 04-66-0680

Co-operator: Fluor–B&W Portsmouth, LLC

Address: 3930 U.S. Route 23 South
Piketon, OH 45661

USEPA ID#: OH7890008983
Facility Phone: 740-897-5010

County: Pike

Time: 7:45 am

Inspection Date: 3/24/2014 to 3/26/2014

Advance notice of inspection given? X (Yes) ___(No)
If so, how far in advance? _____

	Name	***Agency/Title***	***Phone***
Inspector(s):	Walt Francis	U.S. EPA	312-353-4921
	Melody Stewart	Ohio EPA	740-380-5256
Facility Representative(s):	Amy Lawson	U.S. DOE	740-897-2112
	Chris Guilliams	Fluor-B&W Portsmouth, LLC	740-897-3863

Is facility operating as a generator? Yes X No _____

If so, complete the applicable sections of the Generator Requirements checklist for wastes being managed under generator status.

PERMIT STATUS

Permit Issued: March 25, 2011
Permit Effective Date: March 25, 2011
Permit Expiration Date: March 25, 2021

STORAGE		TREATMENT		DISPOSAL	
X	Container		Tank		Injection Well
	Tank		Surface Impoundment		Landfill
	Waste Pile		Incinerator		Land Application
	Surface Impoundment		Thermal Treatment		Surface Impoundment

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04-66-0680

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PROCESS DESCRIPTION

Historically, the main function of the DOE-PORTS facility was to enrich uranium for military use (nuclear submarines) and commercial reactors through a gaseous diffusion process. This involved the separation of U235 from the U238 isotope in UF6 feedstock which contains 0.711% U235. In 1993, DOE began leasing the uranium enrichment production and operations facilities at PORTS to the United States Enrichment Corporation (USEC). Uranium was enriched at the site by USEC until May 2001, at which time the production facilities were placed into a cold standby mode. During cold standby, the process buildings were maintained with a restart capability. DOE terminated the cold standby program in September 2005 and replaced it with a cold shutdown program, which no longer maintains the gaseous diffusion restart capability. The PORTS site is owned by DOE and the uranium enrichment facilities are in the process of being transitioned back to DOE from USEC. Ongoing activities at the facility include decontamination and decommissioning of facility buildings, ongoing site environmental restoration, and maintenance of the permitted hazardous waste storage area.

WASTE MANAGEMENT, GENERATION AND AMOUNT

Uranium contaminated hazardous wastes (mixed waste) which were generated by USEC and DOE are stored on-site in DOE-owned and operated hazardous waste container storage facilities for longer than one year. Historically, this was due to the limited number of TSDs in the U.S. which could accept mixed waste, and a May 1991 DOE moratorium on off-site waste shipment. A large percentage of the waste generated at PORTS is DOE-generated mixed waste from the site-wide cleanup activities. This is also stored in DOE-owned storage areas. During the past year, numerous shipments of hazardous waste were manifested off-site by both DOE and USEC. This is due to an increase in treatment capacity at off-site commercial treatment facilities and DOE treatment facilities, the lifting of the moratorium, and the execution of the site treatment plans for DOE and USEC. DOE has in the past sent some waste off-site (to USDOE Oakridge) for treatment (incineration) prior to final disposal. Treatment residuals had been returned to DOE for storage in the interim prior to their final disposal.

Hazardous

The DOE Part B permit lists numerous hazardous waste codes for wastes that are generated by the above processes and the environmental restoration. These are stored in drums ranging in size from 30 to 110 gallon capacity, 5 gallon containers, 20 gallon lab packs, 5' cans, 4'x4'x6' boxes, 4'x4'x8' boxes, polybottles and laboratory bottles.

Nonhazardous

A wide variety of radioactive and other nonhazardous wastes are generated as a result of the above processes.

HAZARDOUS WASTE MANAGEMENT UNITS

The following DOE-owned permitted storage facilities were inspected during the CEI:

In addition, DOE-owned and operated HWMUs and SAAs were inspected in the following buildings:

REGULATORY/ENFORCEMENT HISTORY

As a result of violations of state and federal hazardous waste regulations found during the 1987, 1988, and 1989 OEPA RCRA inspections, USDOE and OEPA entered into a Consent Decree governing restoration of the environment at DOE-PORTS.

On October 4, 1995, DFFOs were signed which allowed DOE to store LDR wastes in excess of one year, so long as waste is being stored in compliance with the orders and an approved site treatment plan. These orders supercede the May 18, 1993, DFFOs.

On February 24, 1998, DOE, LMES and Ohio signed DFFOs and a Consent Order regarding past violations and the management of DUF6 and LiOH. This order was amended on March 12, 2004, June 23, 2005, February 22, 2008 and March 28, 2011. The latest amendment added Fluor-B&W Portsmouth, LLC and Babcock & Wilcox Conversion Services, LLC to the order.

On March 18, 1999, DOE and Ohio EPA signed DFFOs. These DFFOs provide exemptions to DOE and integrate the following unclosed units into the CMS/CMI process: X-749, X-231B, X-701C, X701B, X-230J7, and X-744Y.

A Part B permit was issued to DOE and its current co-operator, Bechtel Jacobs, for the X-7725 and X-326 storage facilities on March 25, 2011.

On April 13, 2010, DOE signed the Director's Final Findings and Orders for Removal Action and Remedial Investigation and Feasibility Study and Remedial Design and Remedial Action (DFF&O). The DFF&O outline the process for decontamination and decommissioning of the facility buildings.

GENERAL CONDITIONS OF PERMIT

GENERAL PERMIT COMPLIANCE AND ACTIVITIES

1. Has the expiration date of the permit passed? If so: Yes___No_X_N/A ___RMK#___

   a. Is the permittee continuing any activity regulated by the permit after the expiration date of the permit? Yes___No___ N/A _X_RMK#___

   b. Has the facility submitted an application for a permit renewal to the director no later than 180 days prior to the expiration date of the permit? (Or upon a later date if the permittee can demonstrate good cause for late submittal.) [Condition A.6.(a)] Yes___No___ N/A _X_RMK#___

NOTE: *The permittee may continue to operate in accordance with the terms and conditions of the expired permit until a renewal permit is issued or denied if:*

A. The permittee has submitted a timely and complete application for a renewal permit under OAC rule 3745-50-40; and

B. Through no fault of the permittee, a new permit has not been issued pursuant to OAC rule 3745-50-40 on or before the expiration date of the permit. [Condition A.6.(b)]

2. Has the permittee submitted the annual permit fee, payable to Treasurer, State of Ohio, to Ohio EPA on or before the anniversary of the date of issuance during the term of the permit? [Condition A.26] Yes_X_No___ N/A ___RMK#___

3. Is the permittee conducting any hazardous waste management activities (not otherwise exempt by law) which are not authorized by the permit? [Condition A.1.(b) and A.5] Yes___No_X_ N/A ___RMK#___

4. Have any provisions of the permit been identified as invalid? [Condition A.4.] Yes___No_X_ N/A ___RMK#___

5. Has the facility identified any instances of noncompliance with the permit, RC Chapter 3734. or the rules adopted thereunder, which may endanger human health or the environment? If so: Yes___No_X_ N/A ___RMK#___

a. Did the facility immediately report orally the following to Ohio EPA's Emergency Response Section within 24 hours of becoming aware of the circumstance(s): [Condition A.20.(a)]

i. Information concerning a release of any hazardous waste that may cause an endangerment to public drinking water supplies; and — Yes___No___ N/A ✓ RMK#___

ii. Information concerning a release of hazardous waste, fire or explosion at the facility which could threaten human health or the environment outside the facility, including a description of:

A. Name, address and telephone number of the owner or operator? — Yes___No___ N/A ___ RMK#___

B. Name, address and telephone number of the facility? — Yes___No___ N/A ___ RMK#___

C. Name and quantity of material(s) involved? — Yes___No___ N/A ___ RMK#___

D. The extent of injuries, if any? — Yes___No___ N/A ___ RMK#___

E. An assessment of the actual or potential hazard to the environment and human health outside the facility where this is applicable? — Yes___No___ N/A ___ RMK#___

F. Estimated quantity and disposition of recovered material that resulted from the incident? — Yes___No___ N/A ✓ RMK#___

6. Did the permittee provide a written report to Ohio EPA's Emergency Response Section and DHWM, SEDO within five days of the time the permittee became aware of the circumstances reported in Question 5? [Condition A.21.] If so did the report contain: — Yes___No___ N/A ✓ RMK#___

a. A description of the noncompliance and its cause (including exact dates and times)? — Yes___No___ N/A ✓ RMK#___

b. Whether the noncompliance has been corrected and if not, the anticipated time noncompliance is expected to continue? — Yes___No___ N/A ✓ RMK#___

c. Steps taken or planned to minimize the impact on human health and the environment and to reduce and prevent recurrence of the noncompliance?

Yes___No___ N/A _✓_RMK#__

Note: *The permittee need not comply with the five day written report requirement if the director, upon good cause shown by the permittee, waives that requirement and the permittee submits a written report within 15 days of the time the permittee becomes aware of the circumstances. [Condition A.21.(c)]*

7. Has the permittee expeditiously taken all steps necessary to minimize or correct any adverse impact on the environment or public health resulting from noncompliance with the permit? [Condition A.8]

Yes___No___ N/A _✓_RMK#__

8. Has the permittee identified any other instances of noncompliance not provided for in Question 5?

Yes___No___ N/A _✓_RMK#__

a. If so, did the permittee report to the director within a month of the time at which the permittee is aware of such noncompliance? [Condition A.22.]

Yes___No___ N/A _✓_RMK#__

b. Do the reports provided contain the information set forth in Condition A.20?

Yes___No___ N/A _✓_RMK#__

9. Has the permittee planned any physical alterations or additions to the permitted facility?

Yes___No___ N/A _✓_RMK#__

a. If so, has the facility provided Ohio EPA with notice of such changes? [Condition A.15]

Yes___No_✓_N/A ___RMK#__

Note: *Such notification does not waive the permittee's duty to comply with the permit pursuant to Condition A.5.*

REMARKS

PERMIT MODIFICATION, REVISION, REVOCATION

1. Has the permittee filed a request for a permit modification, revision or revocation since issuance of the permit? [Condition A.2.] — Yes__No_X_ N/A ___RMK#__

2. Has the permit been transferred to a new owner or operator? [Condition A.18.] If so, — Yes__No_X_N/A ___RMK#__

   a. Has the transfer been conducted in accordance with R.C. Chapter 3734. and the rules adopted thereunder? [Condition A.18.]; and — Yes__No__ N/A _/_RMK#__

   b. Before transferring ownership did the permittee notify the new owner in writing of the requirements of R.C. Chapter 3734. and the rules adopted thereunder and the applicable Ohio hazardous waste rules? [Condition A.18.] — Yes__No__ N/A _/_RMK#__

3. Has the permittee submitted reports of compliance or noncompliance with, or any progress reports on the requirements contained in any compliance schedule of the permit to Ohio EPA no later than 14 days following each scheduled date, unless otherwise specified? [Condition A.19.] — Yes__No__ N/A _X_RMK#__

4. Has the permittee furnished relevant information which Ohio EPA has requested to determine whether cause exists for modifying, revising, revoking or suspending the permit, or to determine compliance with the permit? [Condition A.10] — Yes__No__ N/A _X_RMK#__

5. Has the facility furnished Ohio EPA, upon request, with copies of records required to be kept by the permit? [Condition A.10] — Yes_X_No__ N/A ___RMK#__

6. Has the permittee become aware that it failed to submit any relevant facts in the permit or issuance proceedings or that it submitted incorrect or incomplete information in permit issuance proceedings or other submissions to Ohio EPA or the HWFB? If so, — Yes__No_X_N/A ___RMK#__

a. Has the permittee promptly submitted such facts or corrected information to the appropriate entity? [Condition A.24.] Yes X No___ N/A ___RMK#__

7. Is the permittee maintaining records of all data used to complete the approved application and any amendments, supplements, revisions or modifications to the application? [Condition A.14.(c)] Yes X No___ N/A ___RMK#___

8. Is the permittee retaining a complete copy of the approved application on-site? [Condition A.14.(c)] Yes X No___ N/A ___RMK#___

REMARKS

SITE ENTRY - AVAILABILITY OF RECORDS

1. As specified in Condition A.11., has the permittee allowed the director or an authorized representative, upon proper identification and upon stating the purpose and necessity of an inspection, to:

   a. Enter at reasonable times upon the premises where a regulated activity is located or where records are kept under the conditions of the permit? Yes_X_No___ N/A ___RMK#___

   b. Have access to and copy any records required to be kept under the conditions of the permit? Yes_X_No___ N/A ___RMK#___

   c. Inspect at reasonable times facilities, equipment (including control and monitoring equipment), practices or other operations regulated under the conditions of the permit? Yes_X_No___ N/A ___RMK#___

   d. Sample, document, or monitor any substance or parameter at any location of the facility to assure compliance with the permit or as otherwise authorized by R.C. Chapter 3734. and the rules adopted thereunder? Yes_X_No___ N/A ___RMK#___

RECORDKEEPING REQUIREMENTS

CONFIDENTIALITY

1. Has the permittee requested confidentiality of any information of the permit in accordance with R.C. Chapter 3734 and the rules adopted thereunder? [Condition A.25.] Yes___No_X_N/A ___RMK#___

OPERATING RECORD

2. Is the permittee maintaining a written operating record at the facility as set forth in OAC rule 3745-54-73 and Condition B.22. of the permit which contains the following elements:

a. A description and the quantity of each hazardous waste received? Yes_✓_No___ N/A ___RMK#___

b. Method(s) and date(s) of treatment, storage or disposal at the facility? Yes_✓_No___ N/A ___RMK#___

c. The location of each hazardous waste within the facility and the quantity at each location? Yes_✓_No___ N/A ___RMK#___

3. Is the permittee maintaining, until closure is complete and certified, the following documents and amendments, revisions and modifications to these documents as part of its operating record: [Condition A.28.]

a. Waste analysis plan in accordance with OAC rule 3745-54-13 and the conditions of the permit? Yes_✓_No___ N/A ___RMK#___

b. Contingency plan in accordance with OAC rule 3745-54-53 and the conditions of the permit? Yes_✓_No___ N/A ___RMK#___

c. Closure plan in accordance with OAC rule 3745-55-12 and the conditions of the permit? Yes_✓_No___ N/A ___RMK#___

d. Personnel training plan and records required by OAC rule 3745-54-16 and the conditions of the permit? Yes_✓_No___ N/A ___RMK#___

e. Inspection schedules developed in accordance with OAC rules 3745-54-15 and 3745-55-74 and the conditions of the permit? Yes_✓_No___ N/A ___RMK#___

4. Have any of the documents identified in Question #3 been revised as required by the permit? If so, Yes__No_✓_ N/A ___RMK#___

a. Has the permittee submitted the revisions to Ohio EPA? [Condition A.28.(b)] Yes__No___ N/A ✓ RMK#___

b. Has the permittee received approval in accordance with Ohio hazardous waste rules to make such changes? [Condition A.28.(b)] Yes__No___ N/A ✓ RMK#___

5. Is the permittee maintaining copies of all inspection logs at the facility for a period of at least three years from the date of inspection? [Condition A.28.(c)] Yes✓No___ N/A ___RMK#___

ANNUAL REPORT REQUIREMENT

6. Is the permittee complying with annual report requirements set forth in OAC rule 3745-54-75 and the additional report requirements set forth in OAC rule 3745-54-77 and the conditions of the permit? [Condition B.25.] — Yes X No___ N/A ___RMK#___

SAMPLING/MONITORING RECORDKEEPING REQUIREMENTS

7. In compliance with Condition A.12.(b) of the permit, do the permittee's records of monitoring information specify the:

   a. Date(s), exact place(s), time(s) and method(s) of sampling or measurement? — Yes X No___ N/A ___RMK#___

   b. Individual(s) who performed the sampling or measurement? — Yes X No___ N/A ___RMK#___

   c. Date(s) analyses were performed? — Yes X No___ N/A ___RMK#___

   d. Individual(s) who performed the analyses? — Yes X No___ N/A ___RMK#___

   e. Analytical technique(s) or method(s) used? — Yes X No___ N/A ___RMK#___

   f. Results of such analyses? — Yes X No___ N/A ___RMK#___

8. Have the methods used to obtain a representative sample of the waste to be analyzed included the appropriate SW-846 Method or an equivalent method specified in the approved waste analysis plan? [Condition A.12.(a)] — Yes X No___ N/A ___RMK#___

9. Has Ohio EPA requested submittal of any reports or other information required by the conditions of the permit from the permittee? If so, — Yes___ No X N/A ___RMK#___

   a. Have the submittals been signed and certified according to OAC rules 3745-50-58(K) and 3745-50-42? [Condition A.13.] — Yes___ No___ N/A X RMK#___

WASTE MINIMIZATION REQUIREMENTS

10. Has the permittee submitted a Waste Minimization Report to Ohio EPA meeting the requirements of Condition A.29. of the permit within 180 days of permit journalization? Yes_X_No___ N/A ___RMK#___

    a. Following the first submittal as identified above in Question #10, has the permittee submitted biennial updates to this report as required by Condition A.29.(c)? Yes_X_No___ N/A ___RMK#___

REMARKS

OFF-SITE SHIPMENTS/MANIFEST REQUIREMENTS

1. Is all hazardous and mixed waste transported from the facility by a properly registered transporter of hazardous and mixed waste in accordance with all applicable laws, rules and standards? [Condition A.16.] — Yes X No___ N/A ___RMK#___

MANIFEST REQUIREMENTS/WASTES RECEIVED ON-SITE

2. Upon receipt of the manifests, has the permittee signed and dated each copy of the manifest? [OAC 3745-54-71(A)(1); Condition B.24.] — Yes X No___ N/A ___RMK#___

3. For any significant discrepancies identified upon receipt of the manifest(s): did the permittee note such discrepancies on the manifest(s) in accordance with OAC rule 3745-54-71(A)(2) and Condition B.24? — Yes___ No___ N/A X RMK#___

   a. Did the permittee attempt to reconcile the discrepancy? [Condition B.24.] — Yes___ No___ N/A X RMK#___

   b. If the discrepancy was not resolved within 15 days: did the permittee submit a report, including a copy of the manifest, to the director in accordance with OAC rule 3745-54-72(B)? [Condition B.24.] — Yes___ No___ N/A X RMK#___

4. Does the permittee immediately give the transporter at least one copy of the signed manifest? [OAC 3745-54-71(A)(3); Condition B.24.] — Yes X No___ N/A ___RMK#___

5. Does the permittee provide the generator with a copy of the manifest within 30 days of receipt of waste on-site? [OAC 3745-54-71(A)(4); Condition B.24.] — Yes X No___ N/A ___RMK#___

6. Does the permittee retain a copy of each manifest on-site for at least three years from the date of delivery? [OAC 3745-54-71(A)(5); Condition B.24.] — Yes X No___ N/A ___RMK#___

7. Has the permittee received any hazardous waste or mixed waste from off-site, other than as described in Condition B.2(b)? — Yes___ No X N/A ___RMK#___

WASTE ANALYSIS/WASTE ANALYSIS PLAN

GENERAL REQUIREMENTS

1. Does the permittee have a detailed chemical and physical analysis of waste streams which contains all information which is necessary to properly treat, store or dispose of the waste in accordance with OAC Chapters 3745-54 to 3745-57 and Condition B.3 of the permit (Section C of the approved permit application)? [OAC 3745-54-13(A)(1)] — Yes ✓ No___ N/A ___RMK#___

2. Since the last inspection, were any wastes generated by the facility which were unable to be characterized through process knowledge? If so, — Yes___ No ✓ N/A ___RMK#___

   a. Were the waste analysis procedures described in Section C of the approved permit application followed? — Yes ✓ No___ N/A ___RMK#___

3. Is the permittee following the procedures described in the approved waste analysis plan (Section C of approved permit application) and the requirements of OAC rule 3745-54-13? [Condition B.3.] — Yes ✓ No___ N/A ___RMK#___

4. Is the permittee maintaining waste analysis data in the facility's operating record as required by OAC rule 3745-54-73 and Condition B.22. of the permit? — Yes ✓ No___ N/A ___RMK#___

WASTE ANALYSIS QUALITY ASSURANCE REQUIREMENTS

5. Is the permittee verifying the analysis of each waste stream annually as part of its quality assurance program in accordance with SW-846? [Condition B.3.] — Yes ✓ No___ N/A ___RMK#___

6. In accordance with Condition B.3. of the permit, does the permittee's quality assurance plan ensure that the permittee is, at a minimum:

   a. Maintaining property functional instruments? — Yes ✓ No___ N/A ___RMK#___

   b. Using approved sampling/analytical methods? — Yes ✓ No___ N/A ___RMK#___

c. Verifying the validity of sampling and analytical procedures and performance of correct calculations? Yes_X_No___ N/A ___RMK#___

7. If the permittee uses a contract laboratory to perform analyses, did the permittee inform the laboratory in writing that it must operate under the waste analysis conditions set forth in this permit? Yes_X_No___ N/A ___RMK#___

REMARKS

b. Signature of inspector? Yes ✓ No___ N/A ___RMK#___

c. Notation of observations made? Yes ✓ No___ N/A ___RMK#___

d. Date/nature of any repairs or other remedial actions? Yes ✓ No___ N/A ___RMK#___

SECURITY PROVISIONS/FACILITY OPERATION

1. Is the permittee complying with the security provisions of OAC rule 3745-54-14(B)(1) and B(2) and (C) and Section F of the approved permit application, including the following: [Condition B.4.]

   a. Does the permittee have a 24-hour surveillance system which continuously monitors and controls entry onto the active portion of the facility; Yes ✓ No___ N/A ___RMK#___

   b. An artificial or natural barrier (in good repair) which completely surrounds the active portion of the facility; or Yes ✓ No___ N/A ___RMK#___

   c. A means to control entry, at all times, through gates or other entrances, to the active portion of the facility? Yes ✓ No___ N/A ___RMK#___

2. In accordance with OAC rule 3445-54-14(C), does the permittee have signs reading "Danger-Unauthorized Personnel Keep Out" posted at each entrance and at other locations and in sufficient numbers to be seen when approaching the active portion of the facility? [Condition B.4.] Yes ✓ No___ N/A ___RMK#___

3. Is construction, maintenance and operation of the facility being conducted to minimize the possibility of a fire, explosion, or unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, ground or surface waters? [Condition B.1.] Yes ✓ No___ N/A ___RMK#___

CONTINGENCY PLAN REQUIREMENTS

EMERGENCY PROCEDURES

1. In compliance with Condition B.13.(a) of the permit, does the permittee:

   a. Familiarize the emergency response agencies likely to respond to an emergency at the facility with:

      i. The location and layout of the facility? Yes_X_No___ N/A ___RMK#___

      ii. Properties of hazardous waste and mixed waste managed at the facility and associated hazards? Yes_X_No___ N/A ___RMK#___

      iii. Places where facility personnel will normally be working? Yes_X_No___ N/A ___RMK#___

      iv. Entrances to and roads inside the facility? Yes_X_No___ N/A ___RMK#___

      v. Evacuation routes as depicted in Section G of the permit application? Yes_X_No___ N/A ___RMK#___

   b. Inform emergency response agencies of safety equipment, supplies, proper emergency procedures that are applicable to the facility, and any further requirements imposed by the permit?; and Yes_X_No___ N/A ___RMK#___

   c. Familiarize local police and fire departments, local hospitals and other local emergency services with the properties of hazardous waste and mixed waste managed at the facility and the types of injuries which could result from fires, explosions or a release of hazardous wastes at the facility? Yes_X_No___ N/A ___RMK#___

2. Is the permittee in compliance with the requirements of OAC rule 3745-54-56 and Section G of the approved permit application regarding emergency procedures? [Condition B.20.] Yes_X_No___ N/A ___RMK#___

EMERGENCY AUTHORITIES

3. Has a state or local agency declined to enter into the arrangements set forth in OAC rule 3745-54-37(A)? If so, — Yes___No_X_N/A ___RMK#___

   a. Has the permittee documented the refusal in the operating record as required by OAC rule 3745-54-37(B)? [Condition B.13.(b)] — Yes___No___ N/A _X_RMK#___

4. Has the permittee, in accordance with OAC rule 3745-54-53 submitted a copy of the approved contingency plan (including amendments, revisions or changes) to all local authorities, agencies and response contractors designated in the approved contingency plan? [Condition B.18.] — Yes_X_No___ N/A ___RMK#___

5. Has the permittee notified the agencies in Question #4, in writing, within ten days of the effective date of any amendments or revisions to the Plan? [Condition B.18.(b)] — Yes_X_No___ N/A ___RMK#___

6. Has the permittee submitted a copy of the approved contingency plan and all revisions, amendments and modifications to the Ohio EPA, Division of Emergency and Remedial Response in accordance with OAC rule 3745-54-53? [Condition B.18.(c)] — Yes_X_No___ N/A ___RMK#___

EMERGENCY COORDINATOR

7. Is the permittee in compliance with the requirements of OAC rule 3745-54-55 with regard to the emergency coordinator? [Condition B.19.] — Yes_X_No___ N/A ___RMK#___

AMENDMENT OF PLAN

8. Is the permittee reviewing the approved contingency plan regularly and amending the plan immediately if needed in compliance with OAC rule 3745-54-54? [Condition B.17.] — Yes_X_No___ N/A ___RMK#___

Note: *Also see Question #4 of RECORDKEEPING REQUIREMENTS to verify that any changes to the contingency plan were submitted in accordance with OAC rule 3745-50-51.*

IMPLEMENTATION OF PLAN

9. Has there been a fire, explosion or release of hazardous waste or mixed waste or constituents at the facility since the last date of inspection as described by Condition B.14. of the permit? If so, — Yes___No_X_N/A ___RMK#___

   a. Did the permittee immediately implement the approved contingency plan and follow the emergency procedures described in OAC rule 3745-54-56? [Condition B.14.] — Yes___No___ N/A X RMK#___

   b. Did the permittee collect and manage released material, emergency response material and by-products as hazardous waste or mixed waste until making a demonstration to Ohio EPA that such materials are not subject to Ohio hazardous waste rules? [Condition B.16.] — Yes___No___ N/A X RMK#___

   c. Within 15 days of the incident did the permittee submit, to the director, a written report of the incident? If so, — Yes___No___ N/A X RMK#___

      i. Did the report contain the elements set forth in OAC rule 3745-54-56(J)? [Condition B.23.] ***Note:*** *See also Conditions A.21. and A.22. of the permit for additional reporting/recordkeeping requirements.* — Yes___No___ N/A X RMK#___

   d. Did the permittee note in the operating record the time, date and details of any incident that required the implementation of the approved contingency plan? [Condition B.23.] — Yes___No___ N/A X RMK#___

REMARKS

CLOSURE PLAN/AMENDMENT

1. Is the permittee maintaining at the facility, the approved closure plan which contains the elements set forth in OAC rule 3745-55-12? [Condition B.29.] — Yes X No___ N/A ___RMK#___

2. Has the permittee amended the closure plan? If so, — Yes___No X N/A ___RMK#___

   a. Has the plan been amended in accordance with OAC rule 3745-55-12(C)? [Condition B.28.] — Yes___No___ N/A X RMK#___

NOTE: *Also see RECORDKEEPING REQUIREMENTS (Question #4) in order to verify that any changes to the closure plan were submitted in accordance with OAC rule 3745-50-51.*

CLOSURE ACTIVITIES

3. Has the permittee closed the facility? If so, — Yes___No X N/A ___RMK#___

   a. Was closure conducted in accordance with the closure performance standard of OAC rule 3745-55-11? [Condition B.26.] — Yes___No___ N/A X RMK#___

   b. Did the permittee carry-out the approved closure plan as set forth in the permit application and terms and conditions of the permit? [Condition B.26.] — Yes___No___ N/A X RMK#___

   c. After receiving the final volume of hazardous waste, did the permittee remove from the facility all hazardous waste and mixed waste and complete closure activities in accordance with the schedule specified in the approved closure plan and as required by OAC rule 3745-55-13? [Condition B.31.] — Yes___No___ N/A X RMK#___

   d. Has the permittee decontaminated and/or disposed of all facility equipment, structures and soils as required by OAC rule 3745-55-14 and the approved closure plan? [Condition B.32.] — Yes___No___ N/A X RMK#___

   e. Did the permittee notify Ohio EPA's Southeast District Office within five working days prior to all rinseate and soil sampling? [Condition B.32.(b)] — Yes___No___ N/A X RMK#___

   f. Has the permittee certified that the facility has been closed in accordance with the specifications in the approved closure plan as required by OAC rule 3745-55-15? [Condition B.33.] — Yes___No___ N/A X RMK#___

REMARKS

REQUIREMENTS FOR IGNITABLE, REACTIVE OR INCOMPATIBLE WASTES

1. Is the permittee following the procedures as specified in OAC rules 3745-54-17, 3745-55-77 and Section F of the approved application when managing ignitable, reactive and/or incompatible wastes? [Conditions B.7.(a) and C.10. and C.11.] — Yes_✓_No___ N/A ___RMK#___

2. Does the permittee ***not*** store incompatible waste ***except*** in accordance with OAC rules 3745-54-17(B) and 3745-55-77, and the terms and conditions of this permit? [Condition C.11.(a)] — Yes_✓_No___ N/A ___RMK#___

3. Does the permittee take precautions to prevent placing hazardous waste or mixed waste in an unwashed container that previously held an incompatible waste or material? [Condition C.11.(b)] — Yes_✓_No___ N/A ___RMK#___

4. Does the permittee ensure that all containers of incompatible wastes are physically separated from other incompatible wastes or materials by a wall, berm, dike, or other device in accordance with OAC rule 3745-55-77 and the Appendix to OAC rule 3745-55-99? [Condition C.11.(c)] — Yes_✓_No___ N/A ___RMK#___

   a. Are all containers of aqueous hazardous acids (ph $\leq$ 2) and caustics ph $\geq$ 12.5) sorted on different pallets and physically separated in different rooms? [Condition C.11.(c)] — Yes_✓_No___ N/A ___RMK#___

   b. Are aqueous acids and caustics in poly bottles, and other containers requiring nuclear criticality safety spacing physically separated in the same room by a dike? [Condition C.11.(c)] — Yes_✓_No___ N/A ___RMK#___

   c. Are containers of cyanides and sodium metals being stored in rooms physically separate from other incompatible wastes or other incompatible materials? [Condition C.11.(c)] — Yes_✓_No___ N/A ___RMK#___

5. Does the permittee provide electrical grounding for all containers, tanks and transport vehicles during all operations involving the handling of flammable and/or combustible wastes? [Condition B.7.(b)] — Yes X No___ N/A ___RMK#___

6. Does the permittee provide and require the use of spark proof tools during all operations involving the handling of flammable and/or combustible wastes? [Condition B.7.(c)] — Yes X No___ N/A ___RMK#___

7. Does the permittee prohibit smoking and open flames in areas where hazardous wastes are managed and post appropriate signs? [Condition B.7.(d)] — Yes X No___ N/A ___RMK#___

8. As required by OAC rule 3745-55-76, does the permittee store containers of ignitable or reactive wastes greater than 15 meters (50 feet) away from the Portsmouth Gaseous Diffusion Plant reservation boundary? [Condition C.10.(a)] — Yes X No___ N/A ___RMK#___

REMARKS

STORAGE OF HAZARDOUS WASTES IN CONTAINERS

NOTE: *The requirements of permit Condition C do not apply to the permittee's activities as a generator accumulating hazardous waste for < 90 days per OAC rule 3745-52-34(A). Please complete the applicable sections of the Generator Requirements checklist to document compliance with activities associated with < 90-day accumulation of wastes.*

1. Is the permittee storing in containers, only those wastes as specified in Section A of the Part B permit application? [Condition C.1.(a), C.2.] — Yes_X_No___ N/A ___RMK#___

2. Does the permittee limit the total quantity of containerized waste in the container storage area to 133,000 gallons at any given time in the permitted container areas, located in building X-326? [Condition C.1.(a)] — Yes_X_No___ N/A ___RMK#___

NOTE: *For the purposes of compliance with the capacity limitation of the permit, each container will be considered to be storing an amount of hazardous waste equal to its capacity. For example, a 55-gallon drum will be considered to be holding 55 gallons of waste, regardless of the actual quantity stored in the drum. [Condition C.1.(b)]*

3. When accumulating waste within the permitted X-326 container storage area, does the permittee ensure that the total amount of waste (both > 90 days and < 90 days) does not exceed the maximum container storage inventory established under Condition C.1.? [Condition C.1.(c)] — Yes_X_No___ N/A ___RMK#___

4. Are hazardous wastes subject to regulation by the permit stored only at the designated container storage area described in the approved permit application? (See Section D of the permit application) [Condition C.1.(a)] — Yes_X_No___ N/A ___RMK#___

5. Is each container stored clearly marked to identify its contents and the date each period of accumulation/storage begins? (See Section D of the permit application) [Condition C.3.] — Yes_X_No___ N/A ___RMK#___

6. Does the permittee store hazardous waste in the types of containers described in Section D of the approved permit application? [Condition C.1.(a)] — Yes_X_No___ N/A ___RMK#___

CONDITION OF CONTAINERS

8. Are containers holding hazardous wastes in good condition? [Condition C.3.] Yes X No___ N/A ___RMK#___

   a. If not, (e.g., severe rusting, structural defects) did the permittee transfer the hazardous waste from such a container to a container that is in good condition or otherwise manage the waste in a manner that complies with the conditions of the permit and OAC rule 3745-55-71? [Condition C.3.] Yes___No_ N/A X RMK#___

9. Does the permittee ensure that all containers used at the facility are compatible with the hazardous waste to be stored in them as required by OAC rule 3745-55-72? [Condition C.4.] Yes X No___ N/A ___RMK#___

10. Is storage conducted in the container storage containment system as described in Condition C.1. of the permit and Section D of the approved permit application? [Condition C.5.(a)] Yes X No___ N/A ___RMK#___

11. Does the permittee keep all containers closed during storage except when it is necessary to add or remove waste as required by OAC rule 3745-55-73? [Condition C.5.(b)] Yes X No___ N/A ___RMK#___

12. Are lab-pack wastes handled in compliance with applicable storage requirements? [Condition C.5.(c)] Yes X No___ N/A ___RMK#___

13. Are lab-pack wastes packaged in drums containing absorbent material that is compatible with the wastes? [Condition C.5.(d)] Yes X No___ N/A ___RMK#___

INSPECTIONS

14. Is the permittee inspecting the container area weekly in accordance with OAC rules 3745-54-15, and 3745-54-73 and the approved inspection schedule (Section F) to detect leaking containers and deterioration of containers and the containment system? [Condition C.8.] Yes X No___ N/A ___RMK#___

a. Does the permittee note the results of these inspections in the inspection log along with any remedial action taken? [Condition C.8.] Yes X No___ N/A ___RMK#___

b. On days when containerized waste are added or removed to and/or from any of the permitted areas for storage, does the permittee conduct inspections as described in Section F of the approved Part B permit application and maintain the inspection results in the facility operating record? [Condition C.8.] Yes X No___ N/A ___RMK#___

CONTAINMENT SYSTEM

15. Does the permittee maintain the containment system as described in Section D of the approved Part B permit application, including: [Condition C.6.] Yes X No___ N/A ___RMK#___

a. Sufficient design to contain 10% of the total volume of the containers or the volume of the largest container, whichever is greater? [Condition C.6.(b)] Yes X No___ N/A ___RMK#___

b. A system which is free of gaps and sufficiently impervious to contain leaks and spills? Yes X No___ N/A ___RMK#___

c. Equipped with a coating which is compatible with each waste stored in the area? Yes X No___ N/A ___RMK#___

d. *For those wastes which are deemed incompatible with liner material:* Has the permittee installed a separate secondary containment structure within the existing structure which is equipped with a compatible liner? Yes X No___ N/A __RMK#__

16. Has the permittee had a spill or leak of wastes or an accumulation of precipitation in the containment system? If so, Yes___No X N/A ___RMK#___

a. Are spilled or leaked wastes and accumulated precipitation removed from the sump or collection area in a timely manner? [Condition C.6.(c)] Yes___No___ N/A X RMK#___

b. Does removal of spilled/leaked wastes and accumulated precipitation occur within 24 hours from the time the spill or leak waste is discovered? [Condition C.6.(c)] Yes___No___ N/A X RMK#___

REQUIRED AISLE SPACE

17. Is the permittee maintaining aisle space to allow unobstructed movement of personnel, fire protection equipment, spill control equipment and decontamination equipment in the event of an emergency to any area of the facility as required by OAC rule 3745-54-35? [Condition B.12.] — Yes_X_No___ N/A ___RMK#___

CLOSURE AND POST-CLOSURE

18. At closure of the container storage area, did the permittee remove all hazardous waste, hazardous waste residues, mixed waste and mixed waste residues from the containment system, in accordance with the procedures set forth in the approved closure plan (Section I of the permit application)? [Condition C.13.(a)] — Yes___No___ N/A _X_RMK#___

19. During closure, if the permittee could not demonstrate that all contaminated soils could be removed, did the permittee close the unit and perform post-closure care following a plan approved by Ohio EPA? [Condition C.13.(b)] — Yes___No___ N/A _X_RMK#___

CONTAINER STORAGE OF RESIDUAL WASTE

20. Is the permittee complying with the provisions of Section C-2E of the application as amended pursuant to Condition B.2.(b) of this permit? — Yes_X_No___ N/A ___RMK#___

LAND DISPOSAL RESTRICTION REQUIREMENTS
PROHIBITION AGAINST DILUTION

1. Has the permittee updated the annual Federal Facility Compliance Act Schedule? [OAC rule 3745-270-50; Condition B.36.] — Yes ✓ No___ N/A ___ RMK#___

2. Does the entity dilute a restricted waste or a treatment residue from a restricted waste: [OAC rule 3745-270-40 through 49; Condition B.36.(c)] — Yes___ No ✓ N/A ___ RMK#___

   a. As a substitute for adequate treatment to achieve compliance with LDR treatment standards? — Yes___ No___ N/A ✓ RMK#___

   b. To circumvent the effective date of a prohibition (e.g., to dilute a non-wastewater waste to a wastewater to avoid complying with the non-wastewater treatment standard)? — Yes___ No___ N/A ✓ RMK#___

   c. To otherwise avoid a prohibition in OAC rule 3745-270-30 through -39? — Yes___ No___ N/A ✓ RMK#___

   d. To otherwise avoid a prohibition imposed by Section 3004(d) of RCRA? — Yes___ No___ N/A ✓ RMK#___

NOTE: *If the answer to any of Questions 2(a) through 2(d) above is yes, the entity is impermissibly diluting a restricted waste and is in violation of OAC rule 3745-270-03 [Condition B.36.]. Dilution of wastes is permissible under some conditions. See OAC rule 3745-270-03(B).*

GENERATOR REQUIREMENTS

3. Has the generator adequately evaluated all wastes to determine if they are restricted from land disposal? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes ✓ No___ N/A ___ RMK#___

   a. ***For determinations based solely on knowledge of the waste:*** Is supporting data used to make this determination being retained on-site? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes ✓ No___ N/A ___ RMK#___

b. ***For determinations based upon analytical testing*:** Is a copy of waste analysis data being retained on-site? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes ✓ No___ N/A ___RMK#___

4. Has the generator determined the correct treatability group for each waste restricted from land disposal (e.g., wastewater, non-wastewater, high arsenic, low arsenic, high zinc, low zinc, etc.)? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes ✓ No___ N/A ___RMK#___

5. Has the generator correctly determined if restricted wastes meet or exceed treatment standards? [OAC rule 3745-270-07(A); Condition B.36.(e)] — Yes ✓ No___ N/A ___RMK#___

6. Does the entity generate any listed waste(s) which are restricted from land disposal? If so, — Yes ✓ No___ N/A ___RMK#___

   a. Do such wastes also exhibit hazardous waste characteristics as identified in OAC rules 3745-51-20 to 3745-51-24? — Yes ✓ No___ N/A ___RMK#___

   b. ***For listed wastes which also exhibit a characteristic*:** Does the generator also identify the appropriate treatment standard for the constituent(s) which cause the waste to exhibit the characteristic(s)? [OAC rule 3745-270-09(A)] — Yes ✓ No___ N/A ___RMK#___

NOTE: *The generator is not required to identify the treatment standard for the characteristic if the listing covers the associated characteristic (e.g., a F019/D007 hazardous waste - F019 being listed due to chromium content and D007 being the characteristic waste code for chromium). [See OAC rule 3745-270-09(B)].*

NOTIFICATION/CERTIFICATION

7. ***For wastes that do not meet treatment standards:*** Has the generator submitted a one-time written notice to the treatment/storage facility receiving the wastes, that wastes being received do not meet treatment standards? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] — Yes ✓ No___ N/A ___RMK#___

   If so, does the notice including the following:

   a. EPA hazardous waste number? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] — Yes ✓ No___ N/A ___RMK#___

b. Appropriate treatment standard for the waste? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

c. The manifest number associated with the first shipment of waste? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

d. Waste analysis data, where available? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

e. Applicable wastewater/non-wastewater category [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

f. For hazardous debris, list the contaminants subject to treatment, as described in paragraph (B) of OAC rule 3745-270-45; and an indication that these contaminants are being treated to comply with OAC rule 3745-270-45. Yes X No___ N/A ___RMK#___

g. For contaminated soil list the constituents subject to treatment as described in paragraph (D) of OAC rule 3745-270-49, and the following statement: 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 in paragraph (C) of OAC rule 3745-270-49 or the universal treatment standards. Yes X No___ N/A ___RMK#___

8. ***For wastes that meet treatment standards:*** Does the generator submit a one-time written notice and certification to the treatment, storage or disposal facility receiving the wastes stating wastes being received meet applicable treatment standards? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes X No___ N/A __RMK#___

If so, does the notice/certification including the following:

a. EPA hazardous waste identification number? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes X No___ N/A __RMK#___

b. The corresponding treatment standards and applicable prohibitions for the waste? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes X No___ N/A __RMK#___

c. The manifest number associated with the shipment of waste? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] — Yes X No___ N/A ___RMK#___

d. Waste analysis data, where available? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] — Yes X No___ N/A ___RMK#___

e. Is the certification signed by the generator or an authorized representative? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] — Yes X No___ N/A ___RMK#___

f. For contaminated soil list the constituents subject to treatment as described as described in paragraph (D) of OAC rule 3745-270-49, and the following statement: 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 in paragraph (C) of OAC rule 3745-270-49 or the universal treatment standards. — Yes X No___ N/A ___RMK#___

9. Does the generator retain on-site a copy of all notices, certifications, demonstrations and waste analysis data for at least three years? [OAC rule 3745-270-07(A)(8); Condition B.36.(j)] — Yes X No___ N/A ___RMK#___

STORAGE OF LAND DISPOSAL RESTRICTED WASTES

NOTE: *The following questions apply to operators of treatment, storage or disposal (TSD) facilities that accumulate LDR wastes that do not meet treatment standards in tanks or containers. A LQG who stores LDR wastes on-site for greater than 90 days becomes a operator of a storage facility and must comply with all applicable TSD requirements. SQGs become owners/operators of storage facilities if storage of LDR wastes exceeds 6,000 kg. or 180/270 days.*

NOTE: *The LDR storage prohibition does not apply to wastes which are subject to a national capacity variance, variance from the treatment standard or case-by-case extension during the period of extension/variance. The LDR storage prohibition also does not apply to wastes subject to a no-migration petition or to wastes which meet treatment standards. [OAC rule 3745-270-50(E); 40 CFR 268.50(e)]*

10. Is the owner/operator storing LDR restricted wastes in containers? If so, is each container marked with the following information in accordance with OAC rule 3745-270-50(A)(2)(a) [Condition B.36(l)] — Yes X No___ N/A ___RMK#___

a. The identification of the contents? — Yes X No___ N/A ___RMK#___

b. The date which accumulation began? Yes

NOTE: *A TSD facility may store LDR wastes on-site for the purpose of accumulating a sufficient amount of waste for proper recovery, treatment or disposal. [OAC rule 3745-270-50(B)]. During the first of storage, the burden of proof is on Ohio EPA to demonstrate that such storage is not necessary by the facility. Following one year, the burden of proof shifts to the storage facility to demonstrate that such storage of LDR wastes is necessary to facilitate proper recovery, treatment or disposal.*

11. Are LDR wastes being stored at the facility for greater than one year? If so,

    a. Has the owner/operator demonstrated that such storage is being conducted solely for the purpose of accumulating sufficient quantities of wastes necessary to facilitate proper recovery, treatment or disposal? [OAC rule 3745-270-50(B); Condition B.36(m)] — Yes X No___ N/A ___RMK#___

LARGE QUANTITY GENERATOR REQUIREMENTS
COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY

CESQG: ≤100 Kg. (Approximately 25-30 gallons) of waste in a calendar month or < 1 Kg. of acutely hazardous waste.
SQG: Between 100 and 1,000 Kg. (About 25 to under 300 gallons) of waste in a calendar month.
LQG: ≥ 1,000 Kg. (~300 gallons) of waste in a calendar month or ≥1 Kg. of acutely hazardous waste in a calendar month.
NOTE: To convert from gallons to pounds: Amount in gallons x Specific Gravity x 8.345 = Amounts in pounds.

Safety Equipment Used:

GENERAL REQUIREMENTS

1.		Have all wastes generated at the facility been adequately evaluated? [3745-52-11]	Yes ☒ No ☐ N/A ☐
2.		Are records of waste determination being kept for at least 3 years? [3745-52-40(C)]	Yes ☒ No ☐ N/A ☐
3.		Has the generator obtained a U.S. EPA identification number? [3745-52-12]	Yes ☒ No ☐ N/A ☐
4.		Were annual reports filed with Ohio EPA on or before March 1st? [3745-52-41(A)]	Yes ☒ No ☐ N/A ☐
5.		Are annual reports kept on file for at least 3 years? [3745-52-40(B)]	Yes ☒ No ☐ N/A ☐
6.		Has the generator transported or caused to be transported hazardous waste to **other** than a facility authorized to manage the hazardous waste? [ORC 3734.02(F)]	Yes ☐ No ☒ N/A ☐
7.		Has the generator disposed of hazardous waste **on-site without a permit** or at another facility **other** than a facility authorized to dispose of the hazardous waste? [ORC 3734.02(E)&(F)]	Yes ☐ No ☒ N/A ☐
8.		Does the generator accumulate hazardous waste?	Yes ☒ No ☐ N/A ☐
NOTE: If the LQG does not accumulate or treat hazardous waste, it is not subject to 52-34 standards. All other requirements still apply, e.g., annual reports, manifest, marking, record keeping, LDR, etc.			
9.		Has the generator accumulated hazardous waste on-site in excess of 90 days without a permit or an extension from the director ORC §3734.02(E)&(F)?	Yes ☐ No ☒ N/A ☐
NOTE: If F006 waste is generated and accumulated for > 90 days and is recycled see 3745-52-34(G)&(H).			
10.		Does the generator treat hazardous waste in a: [ORC 3734.02(E)&(F)]	
	a.	Container that meets 3745-66-70 to 3745-66-77?	Yes ☒ No ☐ N/A ☐
	b.	Tank that meets 3745-66-90 to 3745-66-100 except 3745-66-97(C)?	Yes ☐ No ☒ N/A ☐
	c.	Drip pads that meet 3745-69-40 to 3745-69-45?	Yes ☐ No ☒ N/A ☐
	d.	Containment building that meets 3745-256-100 to 3745-256-102?	Yes ☐ No ☒ N/A ☐
NOTE: Complete appropriate checklist for each unit.			
NOTE: If waste is treated to meet LDRs, use LDR checklist.			
11.		Does the generator export hazardous waste? If so:	Yes ☐ No ☒ N/A ☐
	a.	Has the generator notified U.S. EPA of export activity? [3745-52-53(A)]	Yes ☐ No ☐ N/A ☐
	b.	Has the generator complied with special manifest requirements? [3745-52-54]	Yes ☐ No ☐ N/A ☐
	c.	For manifests that have not been returned to the generator: has an exception report been filed? [3745-52-55]	Yes ☐ No ☐ N/A ☐
	d.	Has an annual report been submitted to U.S. EPA? [3745-52-56]	Yes ☐ No ☐ N/A ☐

	e.	Are export related documents being maintained on-site? [3745-52-57(A)]	Yes ☐ No ☐ N/A ☑
MANIFEST REQUIREMENTS			
12.		Have all hazardous wastes shipped off-site been accompanied by a manifest? (U.S. EPA Form 8700-22) [3745-52-20(A)(1)]	Yes ☒ No ☐ N/A ☐
13.		Have items (1) through (20) of each manifest been completed? [3745-52-20(A)(1)]&[3745-52-27(A)] Box 19 not completed	Yes ☐ No ☒ N/A ☐
NOTE: U.S. EPA Form 8700-22(A) (the continuation form) may be needed in addition to Form 8700-22. In these situations items (21) through (35) must also be completed. [3745-52-20(A)(1)]			
14.		Does each manifest designate at least one facility which is permitted to handle the waste? [3745-52-20(B)]	Yes ☒ No ☐ N/A ☐
NOTE:. The generator may designate on the manifest one alternate facility to handle the waste in the event of an emergency which prevents the delivery of waste to the primary designated facility. [3745-52-20(C)]			
15.		If the transporter was unable to deliver a shipment of hazardous waste to the designated facility, did the generator designate an alternate TSD facility or give the transporter instructions to return the waste? [3745-52-20(D)]	Yes ☐ No ☐ N/A ☒
16.		Have the manifests been signed by the generator and initial transporter? [3745-52-23(A)(1)&(2)]	Yes ☒ No ☐ N/A ☐
NOTE: Remind the generator that the certification statement they signed indicates: 1) they have properly prepared the shipment for transportation and 2) they have a program in place to reduce the volume and toxicity waste they generate.			
17.		If the generator received a rejected load or residue and accumulated the waste on-site, did the generator sign item 18c or 20 of the manifest? [3745-52-34(M)]	Yes ☐ No ☐ N/A ☒
18.		If the generator did not receive a return copy of each completed manifest within 35 days of the waste being accepted by the transporter, did the generator contact the transporter and/or TSD facility to check on the status of the waste? [3745-52-42(A)(1)]	Yes ☒ No ☐ N/A ☐
19.		If the generator has not received the manifest within 45 days, did the generator file an exception report with Ohio EPA? [3745-52-42(A)(2)]	Yes ☐ No ☐ N/A ☒
20.		Are signed copies of all manifests and any exception reports being retained for at least three years? [3745-52-40]	Yes ☒ No ☐ N/A ☐
NOTE: Waste generated at one location and transported along a publicly accessible road for temporary consolidated storage or treatment on a contiguous property also owned by the same person is not considered "on-site" and manifesting and transporter requirements must be met. To transport "along" a public right-of-way the destination facility has to act as a transfer facility or have a permit because this is considered to be "off-site." For additional information see the definition of "on-site" in OAC rule 3745-50-10.			
PERSONNEL TRAINING			
21.		Does the generator have a training program which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to their positions? [3745-65-16(A)(2)]	Yes ☒ No ☒ N/A ☐ not for SAA Employees
22.		Does the personnel training program, at a minimum, include instructions to ensure that facility personnel are able to respond effectively to emergencies involving hazardous waste by familiarizing them with emergency procedures, emergency equipment and emergency systems (where applicable)? [3745-65-16(A)(3)]	Yes ☐ No ☒ N/A ☐ not for SAA Employees
NOTE: For facility employees that receive emergency response training pursuant to OSHA regulations, the facility is not required to provide separate emergency response training, provided that the overall facility training meets all the requirements of OAC 3745-65-16(A). [3745-65-16(A)(4)]			
23.		Is the personnel training program directed by a person trained in hazardous waste management procedures? [3745-65-16(A)(2)]	Yes ☒ No ☐ N/A ☐
24.		Do new employees receive training within six months after the date of hire (or assignment to a new position)? [3745-65-16(B)]	Yes ☐ No ☒ N/A ☐
25.		Does the generator provide annual refresher training to employees? [3745-65-16(C)]	Yes ☐ No ☒ N/A ☐ not for SAA Employees

26.	Does the generator keep records and documentation of:		
	a.	Job titles? [3745-65-16(D)(1)]	Yes ☒ No ☐ N/A ☐
	b.	Job descriptions? [3745-65-16(D)(2)]	Yes ☒ No ☐ N/A ☐
	c.	Type and amount of training given to each person? [3745-65-16(D)(3)]	Yes ☒ No ☐ N/A ☐
	d.	Completed training or job experience required? [3745-65-16(D)(4)]	Yes ☒ No ☐ N/A ☐
27.	Are training records for current personnel kept until closure of the facility and are training records for former employees kept for at least three years from the date the employee last worked at the facility? [3745-65-16(E)]		Yes ☒ No ☐ N/A ☐

NOTE: The following section can be used by the inspector to document that all personnel who are involved with hazardous waste management have been trained. The employees who need training (written and/or on-the -job) may include the following: environmental coordinators, drum handlers, emergency coordinators, personnel who conduct hazardous waste inspections, emergency response teams, personnel who prepare manifest, etc.

Job Performed	Name of Employee	Date Trained
Brian Pyles X-710 [illegible]	Brian Pyles	2012 + 2013
[illegible] - [illegible]	[illegible]	2012 + 2013

CONTINGENCY PLAN

28.	Does the owner/operator have a contingency plan to minimize hazards to human health or the environment from fires, explosions or any unplanned release of hazardous waste? [3745-65-51(A)] Jan 2014		Yes ☐ No ☐ N/A ☐
29.	Does the plan describe the following:		
	a.	Actions to be taken in response to fires, explosions or any unplanned release of hazardous waste? [3745-65-52(A)]	Yes ☒ No ☐ N/A ☐
	b.	Arrangements with emergency authorities? [3745-65-52(C)]	Yes ☒ No ☐ N/A ☐
	c.	A current list of names, addresses and telephone numbers (office and home) of all persons qualified to act as emergency coordinator? [3745-65-52(D)]	Yes ☒ No ☐ N/A ☐
	d.	A list of all emergency equipment, including: location, a physical description and brief outline of capabilities? [3745-65-52(E)]	Yes ☒ No ☐ N/A ☐
	e.	An evacuation plan for facility personnel where there is possibility that evacuation may be necessary? [3745-65-52(F)]	Yes ☒ No ☐ N/A ☐

NOTE: If the facility already has a "Spill Prevention, Control and Countermeasures Plan" under 40 CFR Part 112 or 40 CFR Part 1510, or some other emergency plan, the facility can amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with OAC requirements. The facility may develop one contingency plan which meets all regulatory requirements. Ohio EPA recommends that the plan be based on the "National Response Team's Integrated Contingency Plan Guidance (One Plan)." [3745-65-52(B)]

30.	Is a copy of the plan (plus revisions) kept on-site and been given to all emergency authorities that may be requested to provide emergency services? [3745-65-53(A)&(B)]	Yes ☒ No ☐ N/A ☐
31.	Has the generator revised the plan in response to rule changes, facility, equipment and personnel changes, or failure of the plan? [3745-65-54]	Yes ☒ No ☐ N/A ☐
32.	Is an emergency coordinator available at all times (on-site or on-call)? [3745-65-55]	Yes ☒ No ☐ N/A ☐

NOTE: The emergency coordinator shall be thoroughly familiar with: (a) all aspects of the facility's contingency plan; (b) all operations and activities at the facility; (c) the location and characteristics of waste handled; (d) the location of all records within the facility; (e) facility layout; and (f) shall have the authority to commit the resources needed to implement provisions of the contingency plan.

EMERGENCY PROCEDURES			
33.	Has there been a fire, explosion or release of hazardous waste or hazardous waste constituents since the last inspection? If so:		Yes ☐ No ☒ N/A ☐
	a.	Was the contingency plan implemented? [3745-65-51(B)]	Yes ☐ No ☐ N/A ☒
	b.	Did the facility follow the emergency procedures in 3745-65-56(A) through (H)?	Yes ☐ No ☐ N/A ☒
	c.	Did the facility submit a report to the Director within 15 days of the incident as required by 3745-65-56(I)?	Yes ☐ No ☐ N/A ☒
NOTE: OAC 3745-65-51(B) requires that the contingency plan be implemented immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents, which could threaten human health and the environment.			
PREPAREDNESS AND PREVENTION			
34.	Is the facility operated to minimize the possibility of fire, explosion, or any unplanned release of hazardous waste? [3745-65-31]		Yes ☒ No ☐ N/A ☐
35.	Does the generator have the following equipment at the facility, if it is required due to actual hazards associated with the waste:		
	a.	Internal communications or alarm system? [3745-65-32(A)]	Yes ☒ No ☐ N/A ☐
	b.	Emergency communication device? [3745-65-32(B)]	Yes ☒ No ☐ N/A ☐
	c.	Portable fire control, spill control and decon equipment? [3745-65-32(C)]	Yes ☒ No ☐ N/A ☐
	d.	Water of adequate volume/pressure per documentation or facility rep? [3745-65-32(D)]	Yes ☒ No ☐ N/A ☐
NOTE: Verify that the equipment is listed in the contingency plan.			
36.	Is emergency equipment tested (inspected) as necessary to ensure its proper operation in time of emergency? [3745-65-33]		Yes ☒ No ☐ N/A ☐
37.	Are emergency equipment tests (inspections) recorded in a log or summary? [3745-65-33]		Yes ☒ No ☐ N/A ☐
38.	Do personnel have immediate access to an internal alarm or emergency communication device when handling hazardous waste (unless the device is not required under 3745-65-32)? [3745-65-34(A)]		Yes ☒ No ☐ N/A ☐
39.	If there is only one employee on the premises, is there immediate access to a device (eg., phone, hand held two-way radio) capable of summoning external emergency assistance (unless not required under 3745-65-32)? [3745-65-34(B)]		Yes ☒ No ☐ N/A ☐
40.	Is adequate aisle space provided for unobstructed movement of emergency or spill control equipment? [3745-65-35]		Yes ☒ No ☐ N/A ☐
41.	Has the generator attempted to familiarize emergency authorities with possible hazards and facility layouts? [3745-65-37(A)]		Yes ☒ No ☐ N/A ☐
42.	Where authorities have declined to enter into arrangements or agreements, has the generator documented such a refusal? [3745-65-37(B)]		Yes ☐ No ☐ N/A ☒
SATELLITE ACCUMULATION AREA REQUIREMENTS			
43.	Does the generator ensure that satellite accumulation area(s):		
	a.	Are at or near a point of generation? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐
	b.	Are under the control of the operator of the process generating the waste? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐
	c.	Do not exceed a total of 55 gallons of hazardous waste per waste stream? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐
	d.	Do not exceed one quart of acutely hazardous waste at any one time? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐

	e.	Containers are closed, in good condition and compatible with wastes stored in them? [3745-52-34(C)(1)(a)]	Yes ☒ No ☐ N/A ☐
	f.	Containers are marked with words "Hazardous Waste" or other words identifying the contents? [3745-52-34(C)(1)(b)]	Yes ☒ No ☐ N/A ☐
44.	Is the generator accumulating hazardous waste(s) in excess of the amounts listed in the preceding question? If so:		Yes ☐ No ☐ N/A ☒
	a.	Did the generator comply with 3745-52-34(A)(1) through (4) or other applicable generator requirements within three days? [3745-52-34(C)(2)]	Yes ☐ No ☐ N/A ☐
	b.	Did the generator mark the container(s) holding excess with the accumulation date when the 55 gallon (one quart) limit was exceeded? [3745-52-34(C)(2)]	Yes ☐ No ☐ N/A ☐
NOTE: The satellite accumulation area is limited to 55 gallons of hazardous waste accumulated from a distinct point of generation in the process under the control of the operator of the process generating the waste (less then 1 quart for acute hazardous waste). There could be individual waste streams accumulated in an area from different points of generation.			
USE AND MANAGEMENT OF CONTAINERS IN <90 DAY ACCUMULATION AREAS			
45.	Has the generator marked containers with the words "Hazardous Waste?" [3745-52-34(A)(3)]		Yes ☒ No ☐ N/A ☐
46.	Is the accumulation date on each container? [3745-52-34(A)(2)]		Yes ☒ No ☐ N/A ☐
47.	Are hazardous wastes stored in containers which are:		
	a.	Closed (except when adding/removing wastes)? [3745-66-73(A)]	Yes ☒ No ☐ N/A ☐
	b.	In good condition? [3745-66-71]	Yes ☒ No ☐ N/A ☐
	c.	Compatible with wastes stored in them? [3745-66-72]	Yes ☒ No ☐ N/A ☐
	d.	Handled in a manner which prevents rupture/leakage? [3745-66-73(B)]	Yes ☒ No ☐ N/A ☐
NOTE: Record location on process summary sheets, photograph the area, and record on facility map.			
48.	Is the container accumulation areas(s) inspected weekly? [3745-66-74]		Yes ☒ No ☐ N/A ☐
	a.	Are inspections recorded in a log or summary? [3745-66-74]	Yes ☒ No ☐ N/A ☐
NOTE: "Week" means 7 consecutive days per ORC§1.44(A).			
49.	Are containers of ignitable or reactive wastes located at least 50 feet (15 meters) from the facility's property line? [3745-66-76]		Yes ☒ No ☐ N/A ☐
50.	Are containers of incompatible wastes stored separately from each other by means of a dike, berm, wall or other device? [3745-66-77(C)]		Yes ☒ No ☐ N/A ☐
51.	If the generator places incompatible wastes, or incompatible wastes and materials in the same container, is it done in accordance with 3745-65-17(B)? [3745-66-77(A)]		Yes ☒ No ☐ N/A ☐
52.	If the generator places hazardous waste in an unwashed container that previously held an incompatible waste, is it done in accordance with 3745-65-17(B)? [3745-66-77(B)]		Yes ☒ No ☐ N/A ☐
NOTE: OAC 3745-65-17(B) requires that the generator treat, store, or dispose of ignitable or reactive waste, and the mixture or commingling of incompatible wastes, or incompatible wastes and materials so that it does not create undesirable conditions or threaten human health or the environment.			
53.	If the generator has closed a <90 day accumulation area does the closure appear to have met the closure performance standard of 3745-66-11? [3745-52-34(A)(1)]		Yes ☒ No ☐ N/A ☐

NOTE: Please provide a description of the unit and documentation provided by the generator for the file to demonstrate that closure was completed in accordance with the closure performance standards. If the generator has closed a <90 day tank, closure must also be completed in accordance with OAC 3745-66-97 (except for paragraph C of this rule). [3745-52-34]		
PRE-TRANSPORT REQUIREMENTS		
54.	Does the generator package/label its hazardous waste in accordance with the applicable DOT regulations? [3745-52-30, 3745-52-31 and 3745-52-32(A)]	Yes ☒ No ☐ N/A ☐
55.	Does each container ≤119 gallons have a completed hazardous waste label? [3745-52-32(B)]	Yes ☒ No ☐ N/A ☐
56.	Before off-site transportation, does the generator placard or offer the appropriate DOT placards to the initial transporter? [3745-52-33]	Yes ☒ No ☐ N/A ☐

GENERATOR LDR CHECKLIST DOES NOT APPLY TO CESQGS				
GENERAL REQUIREMENTS				
1.	If LDRs do not apply, does the generator have a statement that lists how the HW was generated, why LDRs don't apply and where the HW went? [3745-270-07(A)(7)]			Yes ☐ No ☐ N/A ☒
2.	Did the generator determine if the HW/soil must be treated to meet the LDR treatment standard prior to disposal? Generator knowledge or testing may be used. [3745-270-07(A)(1)] If not,			Yes ☒ No ☐ N/A ☐
	a.	Did the generator send the waste to a permitted HW TREATMENT facility? [3745-270-07(A)(1)]		Yes ☒ No ☐ N/A ☐
NOTE: This is done by determining if the HW /soil contains levels of constituents greater than the levels given in its LDR treatment standard in 3745-270-40. However, if a specific treatment method is given in 3745-270-40 for the HW, no determination is required [3745-270-07(A)(1)(b)]. If soil, generator can choose to have soil treated to LDR levels given in 3745-270-49 (alternative treatment levels for soils).				
3.	Does the generator have documentation of how he determined whether the HW/soil meets or does not meet the LDR treatment standard in 2, above? [3745-270-07(A)(6)(a) or 3745-270-07(A)(6)(b)]			Yes ☒ No ☐ N/A ☐
4.	Does the generator keep the documentation required in #2, above, on-site for at least three years from the last date the HW/soil was sent on-site/off-site for treatment/disposal? [3745-270-07(A)(8)]			Yes ☒ No ☐ N/A ☐
5.	Does the generator generate a listed HW that exhibits a characteristic? If yes,			Yes ☒ No ☐ N/A ☐
	a.	Did the generator determine if the listed HW exhibits a characteristic that is not treated under the LDR treatment standard for the listed HW? [3745-270-09(A)]		Yes ☒ No ☐ N/A ☐
FOR EXAMPLE: F006 that exhibits the characteristic for silver or K062 that is corrosive; D002. Review LDR treatment standard in 3745-270-40 to determine what constituents the listed HW is treated for.				
6.	Did the generator determine if its characteristic HW contains underlying hazardous constituents that need to be treated? [3745-270-09(A)]			Yes ☒ No ☐ N/A ☐
NOTE: This is done by evaluating which underlying hazardous constituents (UHC) are in the HW at levels above the universal treatment standards given in 3745-270-48. This requirement does not apply to high total organic carbon (i.e., contains >10% TOC) D001 wastes or listed HWs.				
NOTE: Written documentation of this determination is not required.				
7.	Did the generator treat his HW /soil on-site to meet the LDR treatment standard?			Yes ☐ No ☒ N/A ☒
NOTE: If "Yes" see question #16.				
8.	Did the generator send a one-time LDR notification form to the TSD with the first shipment to that facility? [3745-270-07(A)(2)]			Yes ☒ No ☐ N/A ☐
	a.	If the generator chose not to make the determination of whether his waste must be treated, did he send a notice to the TSD facility with each shipment? [3745-270-07(A)(2)] If so, did the notice include:		Yes ☐ No ☐ N/A ☒
		i	Applicable HW codes?	Yes ☐ No ☐ N/A ☐
		ii	Manifest number of the first shipment to the TSD?	Yes ☐ No ☐ N/A ☐
		iii	A statement that conveys that the HW may or may not be subject to the LDR treatment standards and the TSD must make that determination."?	Yes ☐ No ☐ N/A ☐
9.	Did the generator resubmit the LDR notification form to the TSD when the HW changed or the generator used a new TSD? [3745-270-07(A)(2)]			Yes ☒ No ☐ N/A ☐
10.	Does the generator have a copy of the LDR notification form/notice on file? [3745-270-07(A)(2)]			Yes ☒ No ☐ N/A ☐

	a.	Is the form/notice kept on file for three years after last HW shipped? [3745-270-07(A)(8)]	Yes ☒ No ☐ N/A ☐
NOTIFICATION FORM			
11.	Does the LDR Notification form contain the following information:		
	a.	Manifest number of the first waste shipment to the TSD? [3745-270-07(A)(2)]	Yes ☒ No ☐ N/A ☐
	b.	Applicable waste codes (includes characteristic codes for a listed HW if applicable)? [3745-270-07(A)(2)]	Yes ☒ No ☐ N/A ☐
	c.	A statement that conveys that the HW is subject to LDRs and must be treated to meet LDR treatment requirements? [3745-270-07(A)(2)]	Yes ☒ No ☐ N/A ☐
	d.	A designation whether the HW is a wastewater or non-wastewater? [3745-270-07(A)(2)]	Yes ☒ No ☐ N/A ☐
NOTE: A wastewater contains <1% by wt. total suspended solids(TSS) and <1% by wt. TOC. If you doubt the HW is a wastewater or non-wastewater, the HW can be tested using for example, Standard Methods (SM) 160.2 for TSS, SW-846 method 9060a for TOC.			
	e.	Designation of the waste subcategory when applicable? [3745-270-07(A)(2)]	Yes ☒ No ☐ N/A ☐
NOTE: Subcategories are found on the LDR treatment standards table under the applicable waste code. Not all HWs have subcategories			
	f.	A listing of the underlying hazardous constituents for which a characteristic waste must be treated? [3745-270-07(A)(2)]	Yes ☒ No ☐ N/A ☐
NOTE: Not required if the waste is high TOC D001 or the TSD tests its treatment residues for all underlying hazardous constituents.			
	g.	If the HW is F001-F005 or F039, did the generator note on the LDR form what solvents or constituents, respectively, the waste contains and must be treated for? [3745-270-07(A)(2)]	Yes ☒ No ☐ N/A ☐
NOTE: Not required if the TSD tests its treatment residues for all underlying hazardous constituents.			
PROHIBITED DILUTION			
12.	Is the HW treated by burning? If "No" go to #15.		Yes ☐ No ☒ N/A ☐
13.	Is the HW a metal-bearing HW?		Yes ☒ No ☐ N/A ☐
NOTE: Generally, metal-bearing HWs contain heavy metals above TCLP levels or were listed due to the presence of metals. A list of the restricted metal-bearing HWs are given in the Appendix to 3745-270-03.			
14.	a.	Metal-bearing HWs cannot be incinerated, combusted or, blended and burned for fuel unless **one** of the following conditions apply. [3745-270-03(c)]	
	i.	Contains > 1% TOC?	Yes ☐ No ☐ N/A ☐
	ii.	Contains organic constituents or cyanide at levels greater than the UTS levels?	Yes ☐ No ☐ N/A ☐
	iii.	Is made up of combustible material e.g., paper, wood, plastic?	Yes ☐ No ☐ N/A ☐
	iv.	Has a reasonable heating value (e.g., > 5000 Btu)?	Yes ☐ No ☐ N/A ☐
	v.	Co-generated with a HW that must be combusted?	Yes ☐ No ☐ N/A ☐
	b.	If all responses to 14 a.i. through 14 a.v. are "No", HW is being improperly treated by dilution, violation of 3745-270-03(C). Is HW being treated by dilution?	Yes ☐ No ☐ N/A ☐

15.	Was the HW treated by wastewater treatment? NEWMARKET			Yes ☐ No ☒ N/A ☐
	a.	Is a LDR treatment method, other than DEACT or a numerical value, specified for the waste? [3745-270-03(B) and 3745-270-40(A)(3)]		Yes ☐ No ☐ N/A ☒
NOTE: If "Yes", HW is improperly being treated by dilution.				
	b.	Does the waste carry the D001 code <u>and</u> contain ≥10% TOC?		Yes ☐ No ☐ N/A ☒
	c.	Does the wastewater treatment process include a process to separate/recover the organic phase of the waste?		Yes ☐ No ☐ N/A ☒
NOTE: If the answers to b & c are "yes" and "no", respectively, waste is improperly being treated by dilution and generator is in violation of [3745-270-03(B)] and 3745-270-40(A)(3)].				
NOTE: A list of separation/recovery processes are given in 3745-270-42 under RORG.				
GENERATOR TREATMENT				
16.	Does the generator treat to meet LDRs on-site?			Yes ☐ No ☒ N/A ☐
	Did the generator treat his hazardous waste/soil on-site in a tank, container, drip pad or containment building <u>to meet</u> the LDR treatment standard?			Yes ☐ No ☐ N/A ☐
	If "Yes"...complete the rest of the checklist. If "No"...stop...you are done.			
	a.	Does the generator have a written waste analysis plan (WAP) that describes the procedures he will follow to treat the HW/soil to the LDR treatment standard? [3745-270-07(A)(5)]		Yes ☐ No ☐ N/A ☐
	b.	Did the generator use a detailed chemical and physical analysis of the HW/soil in order to develop the WAP? [3745-270-07(A)(5)(a)]		Yes ☐ No ☐ N/A ☐
NOTE: This is a laboratory analysis but it does not have to be kept by the generator.				
	c.	Does the WAP contain all information necessary to treat the HW/soil to the LDR treatment standard? [3745-270-07(A)(5)(a)]		Yes ☐ No ☐ N/A ☐
	d.	Does the WAP include the testing frequency of the treated HW/soil to demonstrate that the LDR treatment standard is being met? [3745-270-07(A)(5)(a)]		Yes ☐ No ☐ N/A ☐
	e.	Does the generator keep the WAP on-site? [3745-270-07(A)(5)(b)]		Yes ☐ No ☐ N/A ☐
	f.	Is the WAP available for the inspector's review during the inspection? [3745-270-07(A)(5)(b)]		Yes ☐ No ☐ N/A ☐
NOTIFICATION FORM FOR GENERATOR TREATMENT				
17.	a.	Contains all information in #11 a-g above and		Yes ☐ No ☐ N/A ☐
	b.	If the treated HW/soil is listed.....notification contains the following certification statement: "I certify under penalty of law that I personally have examined and am familiar with the waste, through analysis and testing or through knowledge of the waste, to support this certification that the waste complies with the treatment standards specified in rule 3745-270-40 to 3745-270-49 of the Administrative Code. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."		Yes ☐ No ☐ N/A ☐
	c.	If the treated HW/soil no longer exhibits a characteristic and is no longer a HW, did the generator:		
		i.	Prepare a one-time notification? [3745-270-09 (D)]	Yes ☐ No ☐ N/A ☐
		ii.	Maintain a copy of the notice onsite? [3745-270-09(D)]	Yes ☐ No ☐ N/A ☐
		iii.	Include in the notification: [3745-270-09(D)]	

			1.	Name & address of receiving landfill?	Yes ☐ No ☐ N/A ☐
			2.	Description of HW when generated?	Yes ☐ No ☐ N/A ☐
			3.	HW code when generated?	Yes ☐ No ☐ N/A ☐
			4.	Treatability group when generated?	Yes ☐ No ☐ N/A ☐
			5.	Underlying hazardous constituents present when generated?	Yes ☐ No ☐ N/A ☐
		iv.	Contain the certification statement as required by 3745-270-07(B)(4)?		Yes ☐ No ☐ N/A ☐

LARGE QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS – BATTERIES AND LAMPS			
Large Quantity Universal Waste Handler (LQUWH) = 5,000 Kg or more			
Small Quantity Universal Waste Handler (SQUWH) = 5,000 Kg or less			
GENERAL REQUIREMENTS			
1.	Has the LQUWH obtained a U.S. EPA Identification number before exceeding 5,000 kg limit? [3745-273-32(A)(1)]		Yes ☒ No ☐ N/A ☐
PROHIBITIONS			
2.	Did the LQUWH dispose of universal waste? [3745-273-31(A)]		Yes ☐ No ☒ N/A ☐
3.	Did the LQUWH dilute or treat universal waste, except when responding to releases as provided in OAC rule 3745-273-37 or managing specific wastes as provided in OAC rule 3745-273-33? [3745-273-31(B)] (this change makes it like the SQUWH checklist)		Yes ☐ No ☒ N/A ☐
WASTE MANAGEMENT AND LABELING/MARKING			
UNIVERSAL WASTE BATTERIES			
4.	Are batteries that show evidence of leakage, spillage or damage that could cause leaks contained? [3745-273-33(A)(1)]		Yes ☒ No ☐ N/A ☐
5.	If the batteries are contained, are the containers closed, structurally sound, compatible with the contents of the battery and lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-33(A)(1)] (Added rule #)		Yes ☒ No ☐ N/A ☐
6.	Are the casings of the batteries breached, not intact, or open (except to remove the electrolyte)? [3745-273-33(A)]		Yes ☐ No ☒ N/A ☐
7.	If the electrolyte is removed or other wastes generated, has it been determined whether the electrolyte or other wastes exhibit a characteristic of a hazardous waste? [3745-273-33(A)(3)]		Yes ☐ No ☐ N/A ☒
	a.	If the electrolyte or other waste is characteristic, is it managed in compliance with OAC Chapters 3745-50 through 3745-69? [3745-273-33(A)(3)]	Yes ☐ No ☐ N/A ☒
	b.	If the electrolyte or other waste is not hazardous, is it managed in compliance with applicable law? [3745-273-33(A)(3)(b)]	Yes ☐ No ☐ N/A ☒
8.	Are the batteries or containers of batteries labeled with the words "Universal Waste - Batteries" or "Waste Battery(ies)" or "Used Battery(ies)?" [3745-273-34(A)]		Yes ☒ No ☐ N/A ☐
UNIVERSAL WASTE LAMPS			
9.	Does the LQUHW contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with contents of the lamps? Are containers or packages closed and do they lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-33(D)(1)]		Yes ☒ No ☐ N/A ☐
10.	Are lamps that show evidence of breakage, leakage or damage that could cause a release of mercury or hazardous constituents into the environment immediately cleaned up? Are they placed into a container that is closed, structurally sound, compatible with the contents of the lamps, and lack evidence of leakage, spillage or damage that could cause leakage or releases of mercury or hazardous constituents to the environment? [3745-273-33(D)(2)]		Yes ☒ No ☐ N/A ☐
NOTE: ***Treatment (such as crushing) by a UWH is prohibited under this rule unless the facility is permitted for such activities [3745-273-31(B)].*** *A generator crushing lamps must manage lamps according to hazardous waste rules (OAC Chapter 3745-52). Lamp crushing is a form of generator treatment (OAC rule 3745-52-34). Crushed lamps must be transported by a registered hazardous waste transporter to a permitted hazardous waste facility using a hazardous waste manifest.*			
11.	Are the lamps or containers or packages of lamps labeled with the words "Universal Waste - Lamp(s)" or "Waste Lamp(s)" or "Used Lamps?" [3745-273-34(E)]		Yes ☒ No ☐ N/A ☐

ACCUMULATION TIME			
12.	Is the waste accumulated for less than one year? [3745-273-35(A)]		Yes ☒ No ☐ N/A ☐
	a.	If not, is the waste accumulated over one year in order to facilitate proper recovery, treatment or disposal? (Burden of proof is on the handler to demonstrate) [3745-273-35(B)]	Yes ☐ No ☐ N/A ☒
NOTE: Accumulation is defined as date generated or date received from another handler.			
13.	Is the handler able to demonstrate the length of time the universal waste has been accumulated? [3745-273-35(C)] If yes, describe below: last occurrence shipment → 1/21/2014		Yes ☒ No ☐ N/A ☐
EMPLOYEE TRAINING			
14.	Are employees thoroughly familiar with universal waste handling/emergency procedures, relative to their responsibilities? [3745-273-36]		Yes ☒ No ☐ N/A ☐
RESPONSE TO RELEASES			
15.	Are releases of universal waste and other residues immediately contained? [3745-273-37(A)] (This now mirrors SQUWH checklist)		Yes ☒ No ☐ N/A ☐
16.	Is the material released characterized? [3745-273-37(B)] (This now mirrors SQUWH checklist)		Yes ☒ No ☐ N/A ☐
17.	If the material released is a hazardous waste, was it managed as required in OAC Chapters 3745-50 through 3745-69? (If the waste is hazardous, the handler is considered the generator of the waste and is subject to OAC Chapter 3745-52) [3745-273-37(C)] (This now mirrors SQUWH checklist)		Yes ☒ No ☐ N/A ☐
OFF-SITE SHIPMENTS			
NOTE: If a LQUWH self-transports wastes, then the handler must comply with the Universal Waste transporter requirements.			
18.	Are universal wastes sent to either another handler, destination facility or foreign destination? [3745-273-38(A)]		Yes ☒ No ☐ N/A ☐
19.	Is the handler aware of DOT requirements for packaging and shipping? If not, make aware of 40 CFR 171-180.		Yes ☒ No ☐ N/A ☐
20.	Prior to shipping universal waste off-site, does the originating handler ensure that the receiver agrees to receive the shipment? [3745-273-38(D)]		Yes ☒ No ☐ N/A ☐
21.	Has the originating handler ever had an off-site shipment rejected by another handler of destination facility?		Yes ☐ No ☒ N/A ☐
	a.	If yes, did the originating handler receive the waste back or agree to where shipment was sent? [3745-273-38(E)(2)]	Yes ☐ No ☐ N/A ☒
22.	If a handler rejects a partial or full load from another handler, does the receiving handler contact the originating handler to discuss and do <u>one of the following</u>: (This now mirrors SQUWH checklist)		Yes ☐ No ☐ N/A ☒
	a.	Send the waste back to the originating handler or send the shipment to a destination facility (If both the originating and receiving handler agree)? [3745-273-38(F)(2)]	Yes ☐ No ☐ N/A ☒
23.	If the handler received a shipment of hazardous waste that was not a universal waste, did the LQUWH immediately notify Ohio EPA? [3745-273-38(G)]		Yes ☐ No ☐ N/A ☒
TRACKING UNIVERSAL WASTE SHIPMENTS			
24.	Are universal wastes received from another handler? If so:		Yes ☐ No ☒ N/A ☐

	a.	Is a record (log, invoice, manifest, bill of lading, or other shipping document) of each shipment kept? [3745-273-39(A)]	Yes ☐ No ☐ N/A ☒
25.	Does the record include the following:		
	a.	Name and address of the originating handler or foreign shipper? [3745-273-39(A)(1)]	Yes ☐ No ☐ N/A ☒
	b.	Quantity of each type of universal waste? [3745-273-39(A)(2)]	Yes ☐ No ☐ N/A ☒
	c.	Date received? [3745-273-39(A)(3)]	Yes ☐ No ☐ N/A ☒
26.	Is universal waste shipped to another handler? If so:		Yes ☒ No ☐ N/A ☐
	a.	Is a record of each shipment kept? [3745-273-39(B)]	Yes ☒ No ☐ N/A ☐
27.	Does the record include the following?		
	a.	Name and address of universal waste handler, destination facility, or foreign destination? [3745-273-39(B)(1)]	Yes ☒ No ☐ N/A ☐
	b.	Quantity of each type of universal waste? [3745-273-39(B)(2)]	Yes ☒ No ☐ N/A ☐
	c.	Date shipped? [3745-273-39(B)(3)]	Yes ☒ No ☐ N/A ☐
28.	Are records kept for three years? [3745-273-39(C)(1)&(2)]		Yes ☒ No ☐ N/A ☐
EXPORTS			
29.	Is waste being sent to a foreign destination? If so:		Yes ☐ No ☒ N/A ☐
	a.	Does the large quantity handler comply with primary exporter requirements in OAC rules 3745-52-53, 3745-52-56 and 3745-52-57? [3745-273-40(A)]	Yes ☐ No ☐ N/A ☒
	b.	Is waste exported only upon consent of the receiving country and in conformance with the U.S. EPA "Acknowledgment of Consent" as defined in OAC rules 3745-52-50 to 3745-52-57? [3745-273-40(B)]	Yes ☐ No ☐ N/A ☒
	c.	Is a copy of the U.S. EPA "Acknowledgment of Consent" provided to the transporter? [3745-273-40(C)]	Yes ☐ No ☐ N/A ☒

USED OIL INSPECTION CHECKLIST
GENERATORS, COLLECTION CENTERS AND AGGREGATION POINTS

NOTE: A facility is subject to the federal SPCC regulations (40 CFR 112) if it is non-transportation related (e.g., fixed) and has an aggregate above ground storage capacity greater than 1,320 gallons or a total underground storage capacity greater than 42,000 gallons of oil (including used oil), and there is reasonable expectation of a discharge to navigable waters.

PROHIBITIONS			
1.	Does the generator manage used oil in a surface impoundment or waste pile? If yes:		Yes ☐ No ☒ N/A ☐
	a.	Is the surface impoundment or waste pile regulated as a hazardous waste management unit? [3745-279-12(A)]	Yes ☐ No ☐ N/A ☒
NOTE: For example, used oil contaminated scrap metal stored in a pile.			
2.	Is used oil used as a dust suppressant? [3745-279-12(B)]		Yes ☐ No ☒ N/A ☐
3.	Is off-specification used oil fuel burned for energy recovery in devices specified in 3745-279-12(C)?		Yes ☐ No ☒ N/A ☐
NOTE: Multiple used oil checklists may be applicable if used oil handler is performing multiple tasks (e.g., If generating used oil and shipping directly to a burner, complete generator and marketer checklists at a minimum).			
GENERATOR STANDARDS			
4.	Does the generator mix hazardous waste with used oil? If so,		Yes ☐ No ☒ N/A ☐
	a.	Is the mixture managed as specified in 3745-279-10(B)? [3745-279-21(A)]	Yes ☐ No ☐ N/A ☒
NOTE: Used Oil mixed with listed (3745-51-30 to 3745-51-35) or characteristic (3745-51-20 to 3745-51-24) hazardous waste are subject to regulation as a hazardous waste, unless the listed hazardous waste is listed solely because it exhibits a hazardous characteristic, and the resultant mixtures do not exhibit a characteristic. Mixtures of used oil and CESQG hazardous waste are subject to OAC Chapter 3745-279.			
5.	Does the generator of a used oil containing greater than 1,000 ppm total halogens manage the used oil as a hazardous waste unless the presumption is rebutted successfully? [3745-279-21(B)]		Yes ☐ No ☒ N/A ☐
NOTE: If used oil contains greater than 1000 ppm total halogens, it is presumed to be listed hazardous waste until the presumption is successfully rebutted.			
6.	Does the generator store used oil in tanks; or containers; or a unit(s) subject to regulation as a hazardous waste management unit? [3745-279-22(A)]		Yes ☐ No ☒ N/A ☐
7.	Are containers and aboveground tanks used to store used oil in good condition with no visible leaks? [3745-279-22(B)]		Yes ☒ No ☐ N/A ☐
8.	Are containers, above ground tanks, and fill pipes used for underground tanks clearly labeled or marked "Used Oil?" [3745-279-22(C)]		Yes ☒ No ☐ N/A ☐
9.	Has the generator, upon detection of a release of used oil, done the following: [3745-279-22(D)]		Yes ☒ No ☐ N/A ☐
	a.	Stopped the release?	Yes ☒ No ☐ N/A ☐
	b.	Contained the release?	Yes ☒ No ☐ N/A ☐
	c.	Cleaned up and properly managed the used oil and other materials?	Yes ☒ No ☐ N/A ☐
	d.	Repaired or replaced the containers or tanks prior to returning them to service, if necessary?	Yes ☒ No ☐ N/A ☐
ON-SITE BURNING IN SPACE HEATER			
10.	Does the generator burn used oil in used-oil fired space heaters? [3745-279-23] If so:		
	a.	Does the heater burn only used oil that owner/operator generates or used oil received from household do-it-yourself (DIY) used oil generators?	Yes ☐ No ☒ N/A ☐

	b.	Is the heater designed to have a maximum capacity of not more that 0.5 million BTU per hour?	Yes ☐ No ☐ N/A ☒
	c.	Are the combustion gases from heater vented to the ambient air?	Yes ☐ No ☐ N/A ☒
NOTE: Ash accumulated in a space heater must be managed in accordance with 3745-279-10(E).			
GENERATOR TRANSPORTATION			
11.	Does the generator have the used oil hauled only by transporters that have obtained a U.S. EPA ID#? [3745-279-24] Clickman Oil		Yes ☒ No ☐ N/A ☐
12.	If the generator self-transports used oil to an approved collection site or to an aggregation point owned by the generator: [3745-279-24]		
	a.	Does the generator transport used oil in a vehicle owned by the generator or an employee of the generator? [3745-279-24]	Yes ☐ No ☐ N/A ☒
	b.	Does the generator transport more than 55 gallons of used oil at any time? [3745-279-24]	Yes ☐ No ☐ N/A ☒
NOTE: Used oil generators may arrange for used oil to be transported by a transporter without a U.S. EPA ID # if the used oil is reclaimed under a contractual agreement (i.e., tolling arrangement).			
COLLECTION CENTERS AND AGGREGATION POINTS			
13.	Is the DIY used oil collection center in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-30]		Yes ☐ No ☐ N/A ☒
14.	Is the non-DIY used oil collection center registered with Ohio EPA? [3745-279-31]		Yes ☐ No ☐ N/A ☒
15.	Is the used oil aggregation point in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-32]		Yes ☐ No ☐ N/A ☒
NOTE: Complete Used Oil Generator and any other applicable used oil handler checklist (e.g., marketer, burner, etc.) for used oil collection centers and aggregation points.			

OH7 890 008 983

LAND AND CHEMICALS DIVISION

Type of Document: Letter of Acknowledgment

Name of Document: U.S. DOE Portsmouth Gaseous Diffusion Plant, Piketon, Ohio

	NAMES	DATE
AUTHOR:	W. Francis W.F.	10/29/14
APA:	G. Cuerington (via e-mail)	10/29/14
SECTION CHIEF:	J. Morris	11/4/14
BRANCH CHIEF:	G. Victorine	11/6/14
DIVISION APA:		
DIVISION DIRECTOR:		
ORC:		
DRA:		
RA:		

RETURN TO: Walt Francis

PHONE: 3-4921

COMMENTS:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

NOV 07 2016

Mr. William E. Murphie
Manager
U.S. Department of Energy
Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513

REPLY TO THE ATTENTION OF:

Mr. Dennis J. Carr
Site Project Director
Fluor-B&W Portsmouth, LLC
Post Office Box 548
Piketon, Ohio 45661

Re: U.S. DOE Portsmouth Gaseous Diffusion Plant, Piketon, Ohio
OH7 890 008 983

Dear Messrs. Murphie and Carr:

On September 19, 2014 the U.S. Environmental Protection Agency issued the U.S. Department of Energy (DOE) Portsmouth Gaseous Diffusion Plant, a Notice of Violation (NOV) which identified violations of the Ohio Administrative Code at the Piketon, Ohio facility. Subsequent to our NOV, you submitted information regarding the identified violations in a letter dated October 21, 2014.

This letter is to inform you that EPA has reviewed your responses and determined that additional enforcement action need not be taken at this time.

This position does not limit your liability for compliance with all the applicable provisions of the Resource Conservation and Recovery Act, as amended. Your hazardous waste management operations will continue to be evaluated by EPA and the Ohio Environmental Protection Agency (Ohio EPA) in the future.

If you have any questions regarding this letter, please contact Walt Francis, of my staff, at (312) 353-4921.

Sincerely,

Gary J. Victorine

Gary J. Victorine, Chief
RCRA Branch

cc: Melody Stewart, Ohio EPA (melody.stewart@epa.ohio.gov)
Bruce McCoy, Ohio EPA (bruce.mccoy@epa.ohio.gov)

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Land and Chemicals Division

Type of Document: X Notice of Violation Letter and Letter of Acknowledgment
_ No Violation Letter and Inspection Report/Checklist
_ Letter of Acknowledgment
_ Information Request
_ Pre-Filing and Opportunity to Confer
_ State Notification of Enforcement Action

Facility Name: **U.S. DOE Portsmouth Gaseous Diffusion Plant**

Facility Location: **3930 U.S. Route 23 South**

City: **Piketon** **State:** **Ohio**

U.S. EPA ID# **OH7 890 008 983**

Assigned Staff **W. Francis** **Phone:** **312-353-4921**

Name	Signature	Date
Author **W. Francis**	W. F	5/01/2012 Revised 6/25/12
Regional Counsel **T. Thurlow**	TT with corrections	6/20/12
Section Chief **P. Little**	PL	6-25-12 RBA 6/25/12
Branch Chief **G. Victorine**	Margaret Gray Gary Victorine	6-26-12 6/26/12

Directions/Request for Clerical Support:

After the Section Chief/Branch Chief signs this sheet and original letter:

1. Date stamp the cover letter;
2. Make four copies of the contents of this folder:
   - One copy for the assigned staff;
   - One copy for the section file;
   - One copy for the branch file; and
   - One copy for the official file.
3. Make any additional copies for cc=s or bcc=s.
4. Mail the original certified mail and distribute office copies and cc=s and bcc=s.
   Once the certified mail receipt is returned:
5. File the certified mail receipt (green card), with this sign-off sheet and the official file copy, and take to 7th floor RCRA file room;
6. E-mail staff the date that the letter was received by facility.

U.S. ENVIRONMENTAL
PROTECTION AGENCY

MAY 09 2012

OFFICE OF REGIONAL
COUNSEL

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

JUN 27 2012

REPLY TO THE ATTENTION OF:
LR-8J

CERTIFIED MAIL 7009 1680 0000 7644 9328
RETURN RECEIPT REQUESTED

Mr. William E. Murphie
Manager
Portsmouth/Paducah Project Office
U.S. Department of Energy
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513

Mr. Woodrow B. Jameson
Fluor-B&W Portsmouth, LLC
Post Office Box 548
Piketon, Ohio 45661

Re: Notice of Violation
RCRA Compliance Inspection
U.S. DOE Portsmouth Gaseous Diffusion Plant, Piketon, Ohio
OH7 890 008 983

Dear Messrs. Murphie and Jameson:

On June 27, 2011 representatives of the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency (Ohio EPA) inspected the U.S. DOE Portsmouth Gaseous Diffusion Plant (U.S. DOE-Portsmouth) installation located at 3930 US Route 23 South, Piketon, Ohio. The purpose of the inspection was to evaluate compliance with certain requirements of the Resource Conservation and Recovery Act (RCRA); specifically, those regulations related to the generation, treatment and storage of hazardous waste. A copy of the inspection report is enclosed for your reference.

Based upon information provided by U.S. Department of Energy (DOE), Fluor-B&W Portsmouth, LLC (FBP), and Wastren-EnergX Mission Support, LLC (WEMS) personnel, review of records, and physical observations by the inspectors, EPA has determined that DOE and FBP violated certain requirements of the Ohio Administrative Code (OAC) and the United States Code of Federal Regulations (CFR). We find that DOE and FBP were in noncompliance with the following requirements:

1) Except as provided in paragraphs (A)(1) to (A)(4) of OAC Rules 3745-279-20 to 3745-279-24 of the OAC apply to all used oil generators. See, OAC Rule 3745-

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279-20(A). Used oil generators are subject to all applicable spill prevention, control and countermeasures (40 CFR Part 112) in addition to the requirements of Rules 3745-279-20 to 3745-279-24 of the OAC. See, OAC Rule 3745-279-22. Specifically, containers and aboveground tanks used to store used oil at generator facilities must be labeled or marked clearly with the words "Used Oil." See, OAC Rule 3745-279-22(C) [40 CFR § 279.22].

During the inspection of Building X-326, the inspectors observed six pails of used oil that were not labeled "Used Oil." At the time of the inspection, U.S. DOE-Portsmouth was in violation of OAC Rule 3745-279-22(C) [40 CFR § 279.22(c)(1)]. On June 30, 2011, Mr. Daniel Mains sent EPA and Ohio EPA photographs of the appropriately labeled pails. Based on this information, DOE and FBP have resolved the violation of OAC Rule 3745-279-22(C) [40 CFR § 279.22(c)(1)].

2) A small quantity handler of universal waste must manage lamps in a way that prevents releases of any universal waste or component of a universal waste to the environment. Specifically, a small quantity handler of universal waste must contain any lamp in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with the contents of the lamps. Such containers and packages must remain closed and must lack evidence of leakage, spillage, or damage that could cause leakage under reasonably foreseeable conditions. See, OAC Rule 3745-273-13(D)(1) [40 CFR § 273.13(d)(1)]. In addition, each lamp or container or package in which such lamps are contained must be labeled or marked clearly with one of the following phrases: "Universal Waste-Lamp(s)," or "Waste Lamp(s)," or Used Lamp(s)." See, OAC Rule 3745-273-14(E) [40 CFR § 273.14(e)].

During the inspection of the Electrical Shop in Building X-330, the inspectors observed uncontainerized used fluorescent lamps and three boxes of unlabeled used fluorescent lamps. DOE - Portsmouth was in violation of OAC Rule 3745-273-13(D)(1) [40 CFR § 273.13(d)(1)] and OAC Rule 3745-273-14(E) [40 CFR § 273.14(e)]. On June 29, 2011 Ms. Rosemary Richmond sent an e-mail to EPA and Ohio EPA of the containerized and labeled used fluorescent lamps. Based on this information, DOE and FBP have resolved the violations of OAC Rule 3745-273-13(D)(1) [40 CFR § 273.13(d)(1)] and OAC Rule 3745-273-14(E) [40 CFR § 273.14(e)].

This letter is to inform you that EPA has reviewed the referenced information, and does not plan additional enforcement action at this time. This letter does not limit the applicability of the requirements evaluated, or of other federal or state statutes or regulations. EPA and the Ohio EPA will continue to evaluate DOE and FBP in the future.

If you have any questions regarding this letter, please contact Walt Francis, of my staff, at (312) 353-4921.

Sincerely,

Gary Victorine, Chief
RCRA Branch

Enclosure

cc: Melody Stewart, OEPA – Southeast District Office

bcc: Tim Thurlow, C-14J

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 W. JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604

RCRA COMPLIANCE EVALUATION INSPECTION REPORT

FACILITY NAME:	**PORTSMOUTH GASEOUS DIFFUSION PLANT**
FACILITY U.S. EPA ID NO.:	**OH7 890 008 983**
FACILITY TYPE:	**Large Quantity Generator/Container Storage Facility**
FACILITY ADDRESS:	3930 US Route 23 South Piketon, Ohio 45661
U.S. EPA REPRESENTATIVE:	Walt Francis
DATE(S) OF INSPECTION:	June 27, 2011
SIC CODE:	**2819** - Industrial Inorganic Chemicals, Not Elsewhere Classified
NAICS CODE:	**325188** - All Other Basic Inorganic Chemical Manufacturing

---

PREPARED BY: Walt F _____ 7/18/2011 _____
Walt Francis **Date**
Environmental Scientist

ACCEPTED BY: Paul Little _____ 7-19-11 _____
Paul Little, Chief **Date**
Compliance Section 2
RCRA Branch

Purpose of Inspection

The purpose of this inspection was to conduct a Compliance Evaluation Inspection (CEI) at the U.S. Department of Energy Portsmouth Gaseous Diffusion Plant (Portsmouth), Piketon, Ohio to determine its compliance with the Resource Conservation and Recovery Act (RCRA), the Ohio Administrative Code (OAC), and the RCRA Permit requirements with respect to U.S. DOE's management of hazardous waste, universal waste and used oil.

Participants

U.S. Environmental Protection Agency (U.S. EPA) Inspector -
Walt Francis, Environmental Scientist

Ohio Environmental Protection Agency (Ohio EPA) Inspector -
Melody Stewart, Hazardous Waste Inspector

Representatives of U.S. DOE, Fluor-B&W Portsmouth, LLC (FBP), Wastren-EnergX Mission Support, LLC (WEMS) and Restoration Services (RSI)-
Kristi Wiehle, U.S. DOE
Rosemary Richmond, FBP
Chris Guilliams, FBP
Robert Anderson, WEMS
Mitch Newman, FBP
Amy Lawson, RSI
Jim Thomson, FBP
Frank Johnstou, FBP
Dale Jackson, RSI
Bridget Eslinger, FBP
Jesse Pack, Insolves
Daniel Mains, FBP
Rob Lyon, FBP
James Fontaine, FBP

Site Description/Background Information

Historically, the main function of the Portsmouth facility was to enrich uranium for military use (nuclear submarines) and commercial reactors through a gaseous diffusion process. This involved the separation of U235 from the U238 isotope in uranium hexafluoride (UF6) feedstock which contains 0.711% U235. The Plant had produced enriched uranium continuously since September 1954. In 1993, the uranium enrichment facilities at the plant were leased to the United States Enrichment Corporation (USEC). U.S. DOE retained ownership of the ongoing site environmental restoration program as well as the permitted hazardous waste storage facilities.

Numerous other activities associated with the plant's main function also occur on-site and are leased by USEC. These include decontamination of equipment and uranium recovery (X-705 Bldg.); chemical cleaning of equipment (X-700); maintenance crafts, including paint, sheet metal, machining, valve, compressor, welding, electrical, motor rewind, metallurgy, instruments and carpentry (X-720); laboratory services (X-710); wastewater treatment (X-6619); water treatment (X-611); chromium removal (X-616); uranium operations, fluorine generation and cylinder handling (X-344); photo and printing lab (X-100); vehicle repair (X-750); coal pile runoff treatment (X-621); and electrical and utilities system.

Hazardous waste and mixed waste which was generated from the gaseous diffusion and associated processes leased by USEC is stored in U.S. DOE owned and permitted storage facilities. Waste generated by U.S. DOE and FBP from the environmental restoration is also stored in these facilities. USEC also generates non mixed radioactive hazardous waste which is shipped out of Building XT-847. USEC ceased the enrichment process in May 2001.

Uranium contaminated hazardous wastes (mixed waste) which were/are generated by USEC and U.S. DOE are stored on-site in U.S. DOE-owned and operated hazardous waste container storage facilities for longer than one year. Historically, this was due to the limited number of treatment, storage and disposal (TSD) facilities in the United States which could accept mixed waste, and a May 1991 U.S. DOE moratorium on off-site waste shipment. A large percentage of the waste generated at Portsmouth is U.S. DOE-generated mixed waste from the site-wide cleanup activities. This is also stored in U.S. DOE-owned storage areas. U.S. DOE sends some waste off-site (to U.S. DOE Oakridge) for treatment prior to final disposal. Treatment residuals are returned to U.S. DOE - Portsmouth for storage in the interim prior to their final disposal.

U.S. DOE/FBP generated hazardous wastes are primarily shipped to Energy Solutions, Clive, Utah, Perma-Fix, Gainesville, Florida, and Diversified Scientific Services, Inc. (DSSI), Kingston, Tennessee. In addition, a wide variety of radioactive and other nonhazardous wastes are generated as a result of the above processes. Uranium Disposition Services is working on a project to recover material from depleted uranium hexafluoride cylinders.

U.S. DOE has received $119 million dollars from the American Recovery and Reinvestment Act of 2009 for several projects including: decontamination and decommissioning (D&D) of the X-633 Recirculating Cooling Water Tower Complex; D&D of the X-760 Chemical Engineering Building; X-701B Groundwater Plume Removal; Repackaging and Disposition of Excess Uranium Materials; and D&D of the X-533 Switchyard Complex.

On March 25, 2011, Ohio EPA renewed the RCRA Permit for U.S. DOE. The renewed RCRA Permit includes six container storage areas in Building X-326.

Opening Conference

On June 27, 2011, Walt Francis and Melody Stewart arrived at Building X-1000 at approximately 8:00 a.m. and informed the U.S. DOE and FBP representatives of the nature, scope, and procedures for the RCRA inspection. The inspection was conducted by U.S. EPA and Ohio EPA personnel as a Federal lead inspection. The facility representatives provided the team with a brief update of the facility since the last inspection, and a list of current hazardous waste satellite accumulation area (SAA) containers, hazardous waste less than 90 day accumulation areas, and universal waste accumulation areas. Ms. Rosemary Richmond allowed the inspectors access to the facility to conduct the inspection.

Site Tour

The walk-through began in Building X-326. Mr. Guilliams showed the inspectors a Universal Waste accumulation container in the Control Room (ACR 5). The inspectors observed a blue container utilized for small incandescent bulbs. The inspection continued to container storage Area Number 3. The inspectors observed approximately thirty hazardous waste totes from Building X-700 labeled "D002/D007/D008/D010". Inspector Francis noted an accumulation date of "2/23/2010" on one of the totes. The inspection continued to Areas Number 5 in Building X-326. Inspector Francis observed a 55-gallon container labeled "Incinerator Ash, D005/D006" with an accumulation date of "9/18/95". The inspection continued to Area Number 2. The inspectors observed containers of hazardous waste and containers labeled "UF4 Waste". The inspection continued to Column T-69. The inspectors observed two 55-gallon containers labeled "Used Oil". The inspection continued to Area Number 4. The inspectors observed several containers labeled hazardous waste "Personal Protective Equipment (PPE)". The inspection continued to the Building X-326 L-Cage permitted storage area. The inspectors toured the L-Cage area. The inspectors noted several "RFD" container numbers so the waste profiles could pulled by FBP personnel. Inspector Francis noted RFD number 56666-1 (X-710 TCLP Filters 1/11/2006) and RFD number 62047 "D007 – 9/23/09". The inspection continued to the South Drain Oil Tank in Building X-326, at Column L-88. The inspectors were introduced to Mr. Jack Tully, Building X-326 Building Superintendant. Mr. Tully explained how the pails of used oil are accumulated and placed in a 55-gallon used oil container. The inspectors noted that the small metal pails were not labeled "Used Oil". Inspector Stewart asked Mr. Tully about a drain in this area. Mr. Tully told the inspectors that it has a sump pump with a level and a sprinkler alarm which ultimately discharges to the storm sewer. The inspection continued in Building X-326 to Area Number 1 and a less than 90 day hazardous waste accumulation area. The inspectors observed approximately 15 "Poly" bottles labeled hazardous waste "Top Purge" with an accumulation date of 5/1/2011. The inspection continued to a less than 90-day accumulation area at Column C-48. The inspectors observed a 55-gallon container of hazardous waste with a "6/15/2011" accumulation date. The inspection continued to an SAA container DMSA #3 at Column F32. The inspectors observed a 55-gallon container of drip leg liquid (D008) and PCBs in this area with an accumulation date of "1/22/2009".

The inspection continued to Building X-330. Mr. Guilliams showed the inspectors SAA container DMSA #7 at column L71. The inspectors observed a 55-gallon hazardous waste container labeled "PCB Drip Leg, D008". The inspection continued to a less than 90 day accumulation area at column L49. The inspectors observed a container labeled "Aerosol Cans" with a "6/10/2011" accumulation date. The inspection continued to column L-50. The inspectors observed several polybottles stacked over a metal pan. The metal pan appeared to have an accumulation of used oil. The inspection continued to an Electrical Shop in Building X-330, at column F-49. The inspectors observed several uncontainerized used fluorescent lamps on a shop work bench and three cardboard boxes of used fluorescent lamps that were unlabeled, undated, and open. The inspection continued to a tank labeled "Lube/Drain Tank X-29-2". The inspectors observed several unlabeled metal buckets of used oil. The inspection continued to a Universal Waste Accumulation Area at column W35 in Building X-330. The inspectors observed cardboard boxes of used fluorescent lamps. Inspector Francis noted several accumulation dates including "2/1/2011", "4/25/2011", and "6/23/2011". Mr. Guilliams told the inspectors that the Universal Waste Accumulation Area at column W35 serves as a staging area for all universal waste used lamps from the process buildings. The inspection continued to Building X-333. Inspector Francis noted a container labeled "Lube Oil" at column C-42. The inspection continued to an SAA container DMSA#13 at column Ux48. The inspectors observed a 55-gallon container labeled "Drip Leg PCBs D008" with an accumulation date of "3/16/2011". The inspection continued to Building X-533. The inspectors met Mr. John Howard. Mr. Howard showed the inspectors the scrap metal operations. The inspection continued to Building X-630. The inspectors observed a less than 90 day hazardous waste accumulation area with a 55-gallon container of D008 hazardous waste with a "6/23/2011" accumulation date. The inspection continued to Building X-700 where the inspectors met Mr. Bob Anderson. Mr. Anderson showed the inspectors an SAA container for used solvent rags, an SAA container for used aerosol cans, a container labeled "Used Oil", a container labeled "Used Antifreeze", a 5-gallon container of used paint thinner/paint, and several containers of used fluorescent lamps. Inspector Francis noted that the accumulation dates were "5/17/2011", "5/18/2011", and "4/26/2011". The inspection continued to Building X-720. Mr. Anderson showed the inspectors a cardboard box and a plywood box for accumulating used fluorescent lamps. Inspector Francis noted the accumulation dates as "5/9/2011" and "4/26/2011". The inspection continued to Building X-701. The inspectors observed a SAA container labeled "Filters/PPE".

The inspection continued to Building X-623 where the inspectors met Mr. Greg Thompsen. The inspectors observed four 750 gallon tanks labeled hazardous waste F001 and radioactive waste with a "6/10/2011" accumulation date, and three 55-gallon containers labeled "F001" with accumulation dates of "4/9/2011", "5/5/2011", and "5/20/2011". The inspectors also reviewed the weekly inspection logs for Building X-623. The inspection continued to Building X-624 where Mr. Greg Thompsen showed the inspectors a 55-gallon SAA container. Inspector Francis observed a 55-gallon container that was labeled "Waste Bag Filters F001". The inspection continued to Building X-344B. The inspectors observed two 55-gallon containers of broken used fluorescent lamps dated "6/27/2011", a container labeled "Universal Waste" dated "6/1/2011", four 55-gallon containers labeled "Paint Hardener" (RFD Number 11-002194) and two unlabeled

55-gallon containers, and a one gallon rusty paint can (RFD Number 11-002197, "5/3/2011".

The inspection continued to Building X-533. The inspectors met Mr. Keith Bodenbender. Mr. Bodenbender explained the current demolition activities in the Switchyard. The inspection continued to Building X-747H. Mr. Guilliams showed the inspectors a less than 90 day accumulation area and a universal waste accumulation area. The inspectors observed a universal waste container of sodium lamps, sixteen lead acid batteries, a container of broken used fluorescent lamps (dated "4/2/2011"), and a 30-gallon container of empty aerosol cans.

The inspectors then returned to Building X-1000 to review records.

Records Review

A record review was conducted. The inspection team requested to review hazardous waste manifests, land disposal restriction forms, mixed-waste shipment documentation, universal waste and used oil shipping records, personnel training information, weekly inspection logs, waste profiles for hazardous waste in storage, and the latest version of the contingency plan. The inspectors reviewed hazardous waste manifests since the date of the last inspection, two years of personnel training records, waste profiles, less than 90-day hazardous waste accumulation area closure final inspection and close-out letters, and weekly inspection logs. Universal Waste was being shipped to USA Lamp and Ballast Recycling, Cincinnati, Ohio, and the date of the last off-site shipment was 6/7/2011. The inspectors reviewed a Contingency Plan that was last updated on March 21, 2011.

Closing Conference

The inspectors conducted a closing conference. Inspector Francis explained that he would review his notes from the inspection, and generate an inspection report. U.S. DOE and FBP would then receive a letter from U.S. EPA regarding the inspection including a copy of the inspection report, and completed inspection checklists. Inspector Francis noted that during the inspection of Building X-326 and Building X-330 several containers of used oil were not labeled "Used Oil", and during the inspection of Building X-330 "Electrical Shop", the inspectors observed uncontainerized used fluorescent lamps and three cardboard boxes of used fluorescent lamps that were not labeled. In addition, Inspector Francis mentioned that outside of Building X-344B, the inspectors observed several containers adjacent to a universal waste accumulation area.

Attachments
Inspection Checklists.

STATE PART B HAZARDOUS WASTE PERMIT INSPECTION CHECKLIST

DIVISION OF HAZARDOUS WASTE MANAGEMENT
OHIO EPA
June 2011

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Portsmouth Gaseous Diffusion Plant
04-66-0680

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PROCESS DESCRIPTION

Historically, the main function of the DOE-PORTS facility was to enrich uranium for military use (nuclear submarines) and commercial reactors through a gaseous diffusion process. This involved the separation of U235 from the U238 isotope in UF6 feedstock which contains 0.711% U235. However, in 1993, the uranium enrichment facilities at the plant were leased to the United States Enrichment Corporation (USEC). USDOE retained ownership of the ongoing site environmental restoration program as well as two permitted hazardous waste storage facilities.

Numerous other activities associated with the plant=s main function also occur on-site and are leased by USEC. These include decontamination of equipment and uranium recovery (X-705 Bldg.); chemical cleaning of equipment (X-700); maintenance crafts, including paint, sheet metal, machining, valve, compressor, welding, electrical, motor rewind, metallurgy, instruments and carpentry (X-720); laboratory services (X-710); wastewater treatment (X-6619); water treatment (X-611); chromium removal (X-616); uranium operations, fluorine generation and cylinder handling (X-344); photo and printing lab (X-100); vehicle repair (X-750); coal pile runoff treatment (X-621); and electrical and utilities system.

Hazardous waste and mixed waste which was generated from the gaseous diffusion and associated processes leased by USEC is stored in DOE owned and permitted storage facilities. Waste generated by DOE from the environmental restoration is also stored in these facilities. USEC ceased the enrichment process in May 2001.

WASTE MANAGEMENT, GENERATION AND AMOUNT

Uranium contaminated hazardous wastes (mixed waste) which were/are generated by USEC and DOE are stored on-site in DOE-owned and operated hazardous waste container storage facilities for longer than one year. Historically, this was due to the limited number of TSDs in the U.S. which could accept mixed waste, and a May 1991 DOE moratorium on off-site waste shipment. A large percentage of the waste generated at PORTS is DOE-generated mixed waste from the site-wide cleanup activities. This is also stored in DOE-owned storage areas. During the past year, numerous shipments of hazardous waste were manifested off-site by both DOE and USEC. This is due to an increase in treatment capacity at off-site commercial treatment facilities and DOE treatment facilities, the lifting of the moratorium, and the execution of the site treatment plans for DOE and USEC. DOE sends some waste off-site (to USDOE Oakridge) for treatment prior to final disposal. Treatment residuals are returned to DOE for storage in the interim prior to their final disposal.

Hazardous

The DOE Part B permit lists numerous hazardous waste codes for wastes that are generated by the above processes and the environmental restoration. These are stored in drums ranging in size from 30 to 110 gallon capacity, 5 gallon containers, 20 gallon lab packs, 5' cans, 4'x4'x6' boxes, 4'x4'x8' boxes, polybottles and laboratory bottles.

GENERAL CONDITIONS OF PERMIT

GENERAL PERMIT COMPLIANCE AND ACTIVITIES

1. Has the expiration date of the permit passed? If so: Yes__No X N/A ___RMK#__

   a. Is the permittee continuing any activity regulated by the permit after the expiration date of the permit? Yes__No__ N/A _X RMK#__

   b. Has the facility submitted an application for a permit renewal to the director no later than 180 days prior to the expiration date of the permit? (Or upon a later date if the permittee can demonstrate good cause for late submittal.) [Condition A.6.(a)] Yes__No__ N/A _X RMK#__

NOTE: *The permittee may continue to operate in accordance with the terms and conditions of the expired permit until a renewal permit is issued or denied if:*

A. The permittee has submitted a timely and complete application for a renewal permit under OAC rule 3745-50-40; and

B. Through no fault of the permittee, a new permit has not been issued pursuant to OAC rule 3745-50-40 on or before the expiration date of the permit. [Condition A.6.(b)]

2. Has the permittee submitted the annual permit fee, payable to Treasurer, State of Ohio, to Ohio EPA on or before the anniversary of the date of issuance during the term of the permit? [Condition A.26] Yes X No__ N/A ___RMK#__

3. Is the permittee conducting any hazardous waste management activities (not otherwise exempt by law) which are not authorized by the permit? [Condition A.1.(b) and A.5] Yes__No X N/A ___RMK#__

4. Have any provisions of the permit been identified as invalid? [Condition A.4.] Yes__No X N/A ___RMK#__

5. Has the facility identified any instances of noncompliance with the permit, RC Chapter 3734. or the rules adopted thereunder, which may endanger human health or the environment? If so: Yes__No X N/A ___RMK#__

c. Steps taken or planned to minimize the impact on human health and the environment and to reduce and prevent recurrence of the noncompliance?

Yes__No__ N/A _X_RMK#__

Note: *The permittee need not comply with the five day written report requirement if the director, upon good cause shown by the permittee, waives that requirement and the permittee submits a written report within 15 days of the time the permittee becomes aware of the circumstances. [Condition A.21.(c)]*

7. Has the permittee expeditiously taken all steps necessary to minimize or correct any adverse impact on the environment or public health resulting from noncompliance with the permit? [Condition A.8] — Yes__No__ N/A _X_RMK#__

8. Has the permittee identified any other instances of noncompliance not provided for in Question 5? — Yes__No__ N/A _X_RMK#__

   a. If so, did the permittee report to the director within a month of the time at which the permittee is aware of such noncompliance? [Condition A.22.] — Yes__No__ N/A _X_RMK#__

   b. Do the reports provided contain the information set forth in Condition A.20? — Yes__No__ N/A _X_RMK#__

9. Has the permittee planned any physical alterations or additions to the permitted facility? — Yes__No_X_ N/A ___RMK#__

   a. If so, has the facility provided Ohio EPA with notice of such changes? [Condition A.15] — Yes__No__ N/A _X_RMK#__

Note: *Such notification does not waive the permittee's duty to comply with the permit pursuant to Condition A.5.*

REMARKS

PERMIT MODIFICATION, REVISION, REVOCATION

a. Has the permittee promptly submitted such facts or corrected information to the appropriate entity? [Condition A.24.] — Yes__No__ N/A _X_RMK#__

7. Is the permittee maintaining records of all data used to complete the approved application and any amendments, supplements, revisions or modifications to the application? [Condition A.14.(c)] — Yes_X_No__ N/A __RMK#__

8. Is the permittee retaining a complete copy of the approved application on-site? [Condition A.14.(c)] — Yes_X_No__ N/A __RMK#__

REMARKS

a. A description and the quantity of each hazardous waste received? Yes X No___ N/A ___RMK#___

b. Method(s) and date(s) of treatment, storage or disposal at the facility? Yes X No___ N/A ___RMK#___

c. The location of each hazardous waste within the facility and the quantity at each location? Yes X No___ N/A ___RMK#___

3. Is the permittee maintaining, until closure is complete and certified, the following documents and amendments, revisions and modifications to these documents as part of its operating record: [Condition A.28.]

a. Waste analysis plan in accordance with OAC rule 3745-54-13 and the conditions of the permit? Yes X No___ N/A ___RMK#___

b. Contingency plan in accordance with OAC rule 3745-54-53 and the conditions of the permit? Yes X No___ N/A ___RMK#___

c. Closure plan in accordance with OAC rule 3745-55-12 and the conditions of the permit? Yes X No___ N/A ___RMK#___

d. Personnel training plan and records required by OAC rule 3745-54-16 and the conditions of the permit? Yes X No___ N/A ___RMK#___

e. Inspection schedules developed in accordance with OAC rules 3745-54-15 and 3745-55-74 and the conditions of the permit? Yes X No___ N/A ___RMK#___

4. Have any of the documents identified in Question #3 been revised as required by the permit? If so, Yes X No___ N/A ___RMK#___

a. Has the permittee submitted the revisions to Ohio EPA? [Condition A.28.(b)] Yes X No___ N/A ___RMK#___

b. Has the permittee received approval in accordance with Ohio hazardous waste rules to make such changes? [Condition A.28.(b)] Yes X No___ N/A ___RMK#___

5. Is the permittee maintaining copies of all inspection logs at the facility for a period of at least three years from the date of inspection? [Condition A.28.(c)] Yes X No___ N/A ___RMK#___

WASTE MINIMIZATION REQUIREMENTS

10. Has the permittee submitted a Waste Minimization Report to Ohio EPA meeting the requirements of Condition A.29. of the permit within 180 days of permit journalization? Yes X No___ N/A ___RMK#___

    a. Following the first submittal as identified above in Question #10, has the permittee submitted biennial updates to this report as required by Condition A.29.(c)? Yes X No___ N/A ___RMK#___

REMARKS

GENERAL REQUIREMENTS

1. Does the permittee have a detailed chemical and physical analysis of waste streams which contains all information which is necessary to properly treat, store or dispose of the waste in accordance with OAC Chapters 3745-54 to 3745-57 and Condition B.3 of the permit (Section C of the approved permit application)? [OAC 3745-54-13(A)(1)] — Yes X No__ N/A __RMK#__

2. Since the last inspection, were any wastes generated by the facility which were unable to be characterized through process knowledge? If so, — Yes X No__ N/A __RMK#__

   a. Were the waste analysis procedures described in Section C of the approved permit application followed? — Yes X No__ N/A __RMK#__

3. Is the permittee following the procedures described in the approved waste analysis plan (Section C of approved permit application) and the requirements of OAC rule 3745-54-13? [Condition B.3.] — Yes X No__ N/A __RMK#__

4. Is the permittee maintaining waste analysis data in the facility's operating record as required by OAC rule 3745-54-73 and Condition B.22. of the permit? — Yes X No__ N/A __RMK#__

WASTE ANALYSIS QUALITY ASSURANCE REQUIREMENTS

5. Is the permittee verifying the analysis of each waste stream annually as part of its quality assurance program in accordance with SW-846? [Condition B.3.] — Yes X No__ N/A __RMK#__

6. In accordance with Condition B.3. of the permit, does the permittee's quality assurance plan ensure that the permittee is, at a minimum:

   a. Maintaining property functional instruments? — Yes X No__ N/A __RMK#__

   b. Using approved sampling/analytical methods? — Yes X No__ N/A __RMK#__

GENERAL INSPECTION REQUIREMENTS

1.	Is the permittee following the inspection procedures and schedules described in Section F of the approved permit application and the requirements of OAC rule 3745-54-15? [Condition B.5.]	Yes X No___ N/A ___RMK#___
2.	Does the permittee inspect the facility with such regularity as to identify problems resulting from deterioration, malfunctions, operator errors or discharges which may lead to a release of hazardous waste to the environment or a threat to human health? [OAC 3745-54-15(A)(1)(2)]	Yes X No___ N/A ___RMK#___
3.	Is the permittee following the approved inspection schedule for inspecting: monitoring equipment, safety equipment, emergency equipment, security devices and operating and structural equipment as specified in OAC rule 3745-54-15?	Yes X No___ N/A ___RMK#___
	a. Is the schedule kept at the facility? [OAC 3745-54-15(B)(2)]	Yes X No___ N/A ___RMK#___
	b. Does the schedule identify the types of problems which are to be looked for during the inspection? [OAC 3745-54-15(B)(3)]	Yes X No___ N/A ___RMK#___
	c. Does the schedule include inspection of areas subject to spills daily when in use and according to other applicable regulations when not in use? [OAC 3745-54-15(B)(4)]	Yes X No___ N/A ___RMK#___
4.	Does the permittee remedy deterioration or any malfunctions discovered by an inspection as required by OAC rule 3745-54-15(C)? [Condition B.5.]	Yes X No___ N/A ___RMK#___
5.	Is the permittee maintaining records of inspections for a minimum of three years? [Condition B.5.]	Yes X No___ N/A ___RMK#___
6.	In accordance with OAC rule 3745-54-15(D) and Condition B.5. of the permit, do inspection records contain the following information:	
	a. Date and time of inspection?	Yes X No___ N/A ___RMK#___

PERSONNEL TRAINING

1. Is the facility conducting personnel training in accordance with Section H of the approved permit application and the following requirements of OAC rule 3745-54-16: [Condition B.6.]

   a. The facility provides personnel training which includes instruction in safe equipment operation and emergency procedures and implementation of the contingency plan? [OAC 3745-54-16(A)(B)(C)] — Yes X No__ N/A __RMK#__

   b. The facility provides personnel training to new employees within six months after their date of employment as required by OAC 3745-54-16(B)? — Yes X No__ N/A __RMK#__

   c. The facility provides an annual refresher training course as required by OAC rule 3745-54-16(B)? — Yes X No__ N/A __RMK#__

2. Is the permittee maintaining personnel training records as required by OAC rule 3745-54-16(D) and of the approved application, including: written job titles, job descriptions and documented employee training records? [Condition B.6.] — Yes X No__ N/A __RMK#__

REQUIRED EQUIPMENT

1. Is the permittee, at a minimum, maintaining the equipment set forth in the approved permit application (Section G) at the facility? [Condition B.9.] — Yes X No__ N/A __RMK#__

2. Is the permittee inspecting, testing, and maintaining the equipment specified in Question #1 to assure its proper operation as specified in OAC rule 3745-54-33, the inspection plans and Section G of the approved permit application? [Condition B.10.] — Yes X No__ N/A __RMK#__

3. Whenever hazardous waste is being managed at the facility, has the permittee provided all personnel involved in the operation with immediate access to an internal alarm or emergency communication device as required by OAC rule 3745-54-34 and Section G of the approved permit application? [Condition B.11.] — Yes X No__ N/A __RMK#__

EMERGENCY AUTHORITIES

3. Has a state or local agency declined to enter into the arrangements set forth in OAC rule 3745-54-37(A)? If so, — Yes__No X_ N/A ___RMK#__

   a. Has the permittee documented the refusal in the operating record as required by OAC rule 3745-54-37(B)? [Condition B.13.(b)] — Yes__No__ N/A X_RMK#__

4. Has the permittee, in accordance with OAC rule 3745-54-53 submitted a copy of the approved contingency plan (including amendments, revisions or changes) to all local authorities, agencies and response contractors designated in the approved contingency plan? [Condition B.18.] — Yes X_No__ N/A ___RMK#__

5. Has the permittee notified the agencies in Question #4, in writing, within ten days of the effective date of any amendments or revisions to the Plan? [Condition B.18.(b)] — Yes X_No__ N/A ___RMK#__

6. Has the permittee submitted a copy of the approved contingency plan and all revisions, amendments and modifications to the Ohio EPA, Division of Emergency and Remedial Response in accordance with OAC rule 3745-54-53? [Condition B.18.(c)] — Yes X_No__ N/A ___RMK#__

EMERGENCY COORDINATOR

7. Is the permittee in compliance with the requirements of OAC rule 3745-54-55 with regard to the emergency coordinator? [Condition B.19.] — Yes X_No__ N/A ___RMK#__

AMENDMENT OF PLAN

8. Is the permittee reviewing the approved contingency plan regularly and amending the plan immediately if needed in compliance with OAC rule 3745-54-54? [Condition B.17.] — Yes X_No__ N/A ___RMK#__

Note: *Also see Question #4 of RECORDKEEPING REQUIREMENTS to verify that any changes to the contingency plan were submitted in accordance with OAC rule 3745-50-51.*

CONTINGENCY PLAN REQUIREMENTS

CLOSURE PLAN/AMENDMENT

1. Is the permittee maintaining at the facility, the approved closure plan which contains the elements set forth in OAC rule 3745-55-12? [Condition B.29.] — Yes X No___ N/A ___RMK#___

2. Has the permittee amended the closure plan? If so, — Yes___No X N/A ___RMK#___

   a. Has the plan been amended in accordance with OAC rule 3745-55-12(C)? [Condition B.28.] — Yes___No___ N/A X RMK#___

NOTE: *Also see RECORDKEEPING REQUIREMENTS (Question #4) in order to verify that any changes to the closure plan were submitted in accordance with OAC rule 3745-50-51.*

CLOSURE ACTIVITIES

3. Has the permittee closed the facility? If so, — Yes___No X N/A ___RMK#___

   a. Was closure conducted in accordance with the closure performance standard of OAC rule 3745-55-11? [Condition B.26.] — Yes___No___ N/A X RMK#___

   b. Did the permittee carry-out the approved closure plan as set forth in the permit application and terms and conditions of the permit? [Condition B.26.] — Yes___No___ N/A X RMK#___

   c. After receiving the final volume of hazardous waste, did the permittee remove from the facility all hazardous waste and mixed waste and complete closure activities in accordance with the schedule specified in the approved closure plan and as required by OAC rule 3745-55-13? [Condition B.31.] — Yes___No___ N/A X RMK#___

   d. Has the permittee decontaminated and/or disposed of all facility equipment, structures and soils as required by OAC rule 3745-55-14 and the approved closure plan? [Condition B.32.] — Yes___No___ N/A X RMK#___

REQUIREMENTS FOR IGNITABLE, REACTIVE OR INCOMPATIBLE WASTES

1. Is the permittee following the procedures as specified in OAC rules 3745-54-17, 3745-55-77 and Section F of the approved application when managing ignitable, reactive and/or incompatible wastes? [Conditions B.7.(a) and C.10. and C.11.] — Yes X No___ N/A ___RMK#___

2. Does the permittee ***not*** store incompatible waste ***except*** in accordance with OAC rules 3745-54-17(B) and 3745-55-77, and the terms and conditions of this permit? [Condition C.11.(a)] — Yes X No___ N/A ___RMK#___

3. Does the permittee take precautions to prevent placing hazardous waste or mixed waste in an unwashed container that previously held an incompatible waste or material? [Condition C.11.(b)] — Yes X No___ N/A ___RMK#___

4. Does the permittee ensure that all containers of incompatible wastes are physically separated from other incompatible wastes or materials by a wall, berm, dike, or other device in accordance with OAC rule 3745-55-77 and the Appendix to OAC rule 3745-55-99? [Condition C.11.(c)] — Yes X No___ N/A ___RMK#___

   a. Are all containers of aqueous hazardous acids (ph $\leq$ 2) and caustics ph $\geq$ 12.5) sorted on different pallets and physically separated in different rooms? [Condition C.11.(c)] — Yes X No___ N/A ___RMK#___

   b. Are aqueous acids and caustics in poly bottles, and other containers requiring nuclear criticality safety spacing physically separated in the same room by a dike? [Condition C.11.(c)] — Yes X No___ N/A ___RMK#___

   c. Are containers of cyanides and sodium metals being stored in rooms physically separate from other incompatible wastes or other incompatible materials? [Condition C.11.(c)] — Yes X No___ N/A ___RMK#___

STORAGE OF HAZARDOUS WASTES IN CONTAINERS

NOTE: *The requirements of permit Condition C do not apply to the permittee's activities as a generator accumulating hazardous waste for < 90 days per OAC rule 3745-52-34(A). Please complete the applicable sections of the Generator Requirements checklist to document compliance with activities associated with < 90-day accumulation of wastes.*

1.	Is the permittee storing in containers, only those wastes as specified in Section A of the Part B permit application? [Condition C.1.(a), C.2.]	Yes X No___ N/A ___RMK#___
2.	Does the permittee limit the total quantity of containerized waste in the container storage area to 133,000 gallons at any given time in the permitted container areas, located in building X-326? [Condition C.1.(a)] 2,418 Drums –	Yes X No___ N/A ___RMK#___

NOTE: *For the purposes of compliance with the capacity limitation of the permit, each container will be considered to be storing an amount of hazardous waste equal to its capacity. For example, a 55-gallon drum will be considered to be holding 55 gallons of waste, regardless of the actual quantity stored in the drum. [Condition C.1.(b)]*

3.	When accumulating waste within the permitted X-326 container storage area, does the permittee ensure that the total amount of waste (both > 90 days and < 90 days) does not exceed the maximum container storage inventory established under Condition C.1.? [Condition C.1.(c)]	Yes X No___ N/A ___RMK#___
4.	Are hazardous wastes subject to regulation by the permit stored only at the designated container storage area described in the approved permit application? (See Section D of the permit application) [Condition C.1.(a)]	Yes X No___ N/A ___RMK#___
5.	Is each container stored clearly marked to identify its contents and the date each period of accumulation/storage begins? (See Section D of the permit application) [Condition C.3.]	Yes X No___ N/A ___RMK#___
6.	Does the permittee store hazardous waste in the types of containers described in Section D of the approved permit application? [Condition C.1.(a)]	Yes X No___ N/A ___RMK#___

CONDITION OF CONTAINERS

a. Does the permittee note the results of these inspections in the inspection log along with any remedial action taken? [Condition C.8.] — Yes X No__ N/A ___RMK#__

b. On days when containerized waste are added or removed to and/or from any of the permitted areas for storage, does the permittee conduct inspections as described in Section F of the approved Part B permit application and maintain the inspection results in the facility operating record? [Condition C.8.] — Yes X No__ N/A ___RMK#__

CONTAINMENT SYSTEM

15. Does the permittee maintain the containment system as described in Section D of the approved Part B permit application, including: [Condition C.6.] — Yes X No__ N/A ___RMK#__

a. Sufficient design to contain 10% of the total volume of the containers or the volume of the largest container, whichever is greater? [Condition C.6.(b)] — Yes X No__ N/A ___RMK#__

b. A system which is free of gaps and sufficiently impervious to contain leaks and spills? — Yes X No__ N/A ___RMK#__

c. Equipped with a coating which is compatible with each waste stored in the area? — Yes X No__ N/A ___RMK#__

d. *For those wastes which are deemed incompatible with liner material:* Has the permittee installed a separate secondary containment structure within the existing structure which is equipped with a compatible liner? — Yes__No__ N/A X RMK#__

16. Has the permittee had a spill or leak of wastes or an accumulation of precipitation in the containment system? If so, — Yes__No X N/A ___RMK#__

a. Are spilled or leaked wastes and accumulated precipitation removed from the sump or collection area in a timely manner? [Condition C.6.(c)] — Yes__No__ N/A X RMK#__

b. Does removal of spilled/leaked wastes and accumulated precipitation occur within 24 hours from the time the spill or leak waste is discovered? [Condition C.6.(c)] — Yes__No__ N/A X RMK#__

LAND DISPOSAL RESTRICTION REQUIREMENTS
PROHIBITION AGAINST DILUTION

1.	Has the permittee updated the annual Federal Facility Compliance Act Schedule? [OAC rule 3745-270-50; Condition B.36.]	Yes X No___ N/A ___RMK#___
2.	Does the entity dilute a restricted waste or a treatment residue from a restricted waste: [OAC rule 3745-270-40 through 49; Condition B.36.(c)]	Yes___No X N/A ___RMK#___
	a. As a substitute for adequate treatment to achieve compliance with LDR treatment standards?	Yes___No___ N/A X RMK#___
	b. To circumvent the effective date of a prohibition (e.g., to dilute a non-wastewater waste to a wastewater to avoid complying with the non-wastewater treatment standard)?	Yes___No___ N/A X RMK#___
	c. To otherwise avoid a prohibition in OAC rule 3745-270-30 through -39?	Yes___No___ N/A X RMK#___
	d. To otherwise avoid a prohibition imposed by Section 3004(d) of RCRA?	Yes___No___ N/A X RMK#___

NOTE: *If the answer to any of Questions 2(a) through 2(d) above is yes, the entity is impermissibly diluting a restricted waste and is in violation of OAC rule 3745-270-03 [Condition B.36.]. Dilution of wastes is permissible under some conditions. See OAC rule 3745-270-03(B).*

GENERATOR REQUIREMENTS

3.	Has the generator adequately evaluated all wastes to determine if they are restricted from land disposal? [OAC rule 3745-270-07; Condition B.36.(e)]	Yes X No_ N/A ___RMK#_
	a. ***For determinations based solely on knowledge of the waste***: Is supporting data used to make this determination being retained on-site? [OAC rule 3745-270-07; Condition B.36.(e)]	Yes X No___ N/A ___RMK#___

b. Appropriate treatment standard for the waste? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

c. The manifest number associated with the first shipment of waste? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

d. Waste analysis data, where available? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

e. Applicable wastewater/non-wastewater category [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

f. For hazardous debris, list the contaminants subject to treatment, as described in paragraph (B) of OAC rule 3745-270-45; and an indication that these contaminants are being treated to comply with OAC rule 3745-270-45. Yes X No___ N/A ___RMK#___

g. For contaminated soil list the constituents subject to treatment as described in paragraph (D) of OAC rule 3745-270-49, and the following statement: 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 in paragraph (C) of OAC rule 3745-270-49 or the universal treatment standards. Yes X No___ N/A ___RMK#___

8. ***For wastes that meet treatment standards:*** Does the generator submit a one-time written notice and certification to the treatment, storage or disposal facility receiving the wastes stating wastes being received meet applicable treatment standards? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes X No___ N/A __RMK#___

If so, does the notice/certification including the following:

a. EPA hazardous waste identification number? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes X No___ N/A __RMK#___

b. The corresponding treatment standards and applicable prohibitions for the waste? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes X No___ N/A __RMK#___

b. The date which accumulation began?

NOTE: *A TSD facility may store LDR wastes on-site for the purpose of accumulating a sufficient amount of waste for proper recovery, treatment or disposal. [OAC rule 3745-270-50(B)]. During the first of storage, the burden of proof is on Ohio EPA to demonstrate that such storage is not necessary by the facility. Following one year, the burden of proof shifts to the storage facility to demonstrate that such storage of LDR wastes is necessary to facilitate proper recovery, treatment or disposal.*

11. Are LDR wastes being stored at the facility for greater than one year? If so,

    a. Has the owner/operator demonstrated that such storage is being conducted solely for the purpose of accumulating sufficient quantities of wastes necessary to facilitate proper recovery, treatment or disposal? [OAC rule 3745-270-50(B); Condition B.36(m)] — Yes X No__ N/A ___RMK#__

LARGE QUANTITY GENERATOR REQUIREMENTS
COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY

CESQG: ≤100Kg. (Approximately 25-30 gallons) of waste in a calendar month or < 1 Kg. of acutely hazardous waste.
SQG: Between 100 and 1,000 Kg. (About 25 to under 300 gallons) of waste in a calendar month.
LQG: ≥ 1,000 Kg. (~300 gallons) of waste in a calendar month or ≥1 Kg. of acutely hazardous waste in a calendar month.
NOTE: To convert from gallons to pounds: Amount in gallons x Specific Gravity x 8.345 = Amounts in pounds.

Safety Equipment Used:

GENERAL REQUIREMENTS

1.	Have all wastes generated at the facility been adequately evaluated? [3745-52-11]		Yes ☒	No ☐	N/A ☐
2.	Are records of waste determination being kept for at least 3 years? [3745-52-40(C)]		Yes ☒	No ☐	N/A ☐
3.	Has the generator obtained a U.S. EPA identification number? [3745-52-12]		Yes ☒	No ☐	N/A ☐
4.	Were annual reports filed with Ohio EPA on or before March 1st? [3745-52-41(A)]		Yes ☒	No ☐	N/A ☐
5.	Are annual reports kept on file for at least 3 years? [3745-52-40(B)]		Yes ☒	No ☐	N/A ☐
6.	Has the generator transported or caused to be transported hazardous waste to **other** than a facility authorized to manage the hazardous waste? [ORC 3734.02(F)]		Yes ☐	No ☒	N/A ☐
7.	Has the generator disposed of hazardous waste **on-site without a permit** or at another facility **other** than a facility authorized to dispose of the hazardous waste? [ORC 3734.02(E)&(F)]		Yes ☐	No ☒	N/A ☐
8.	Does the generator accumulate hazardous waste?		Yes ☒	No ☐	N/A ☐
NOTE: If the LQG does not accumulate or treat hazardous waste, it is not subject to 52-34 standards. All other requirements still apply, e.g., annual reports, manifest, marking, record keeping, LDR, etc.					
9.	Has the generator accumulated hazardous waste on-site in excess of 90 days without a permit or an extension from the director ORC §3734.02(E)&(F)?		Yes ☐	No ☒	N/A ☐
NOTE: If F006 waste is generated and accumulated for > 90 days and is recycled see 3745-52-34(G)&(H).					
10.	Does the generator treat hazardous waste in a: [ORC 3734.02(E)&(F)]				
	a.	Container that meets 3745-66-70 to 3745-66-77?	Yes ☐	No ☒	N/A ☐
	b.	Tank that meets 3745-66-90 to 3745-66-101 except 3745-66-97(C)?	Yes ☐	No ☒	N/A ☐
	c.	Drip pads that meet 3745-69-40 to 3745-69-45?	Yes ☐	No ☒	N/A ☐
	d.	Containment building that meets 3745-256-100 to 3745-256-102?	Yes ☐	No ☒	N/A ☐
NOTE: Complete appropriate checklist for each unit.					
NOTE: If waste is treated to meet LDRs, use LDR checklist.					
11.	Does the generator export hazardous waste? If so:		Yes ☐	No ☒	N/A ☐
	a.	Has the generator notified U.S. EPA of export activity? [3745-52-53(A)]	Yes ☐	No ☐	N/A ☐
	b.	Has the generator complied with special manifest requirements? [3745-52-54]	Yes ☐	No ☐	N/A ☐
	c.	For manifests that have not been returned to the generator: has an exception report been filed? [3745-52-55]	Yes ☐	No ☐	N/A ☐
	d.	Has an annual report been submitted to U.S. EPA? [3745-52-56]	Yes ☐	No ☐	N/A ☐

	b.	Job descriptions? [3745-65-16D(2)]	Yes ☒ No ☐ N/A ☐
	c.	Type and amount of training given to each person? [3745-65-16D(3)]	Yes ☒ No ☐ N/A ☐
	d.	Completed training or job experience required? [3745-65-16D(4)]	Yes ☒ No ☐ N/A ☐
27.		Are training records for current personnel kept until closure of the facility and are training records for former employees kept for at least three years from the date the employee last worked at the facility? [3745-65-16(E)]	Yes ☒ No ☐ N/A ☐

NOTE: The following section can be used by the inspector to document that all personnel who are involved with hazardous waste management have been trained. The employees who need training (written and/or on-the -job) may include the following: environmental coordinators, drum handlers, emergency coordinators, personnel who conduct hazardous waste inspections, emergency response teams, personnel who prepare manifest, etc.

Job Performed	Name of Employee	Date Trained

CONTINGENCY PLAN

28.		Does the owner/operator have a contingency plan to minimize hazards to human health or the environment from fires, explosions or any unplanned release of hazardous waste? [3745-65-51(A)]	Yes ☒ No ☐ N/A ☐
29.		Does the plan describe the following:	
	a.	Actions to be taken in response to fires, explosions or any unplanned release of hazardous waste? [3745-65-52(A)]	Yes ☒ No ☐ N/A ☐
	b.	Arrangements with emergency authorities? [3745-65-52(C)]	Yes ☒ No ☐ N/A ☐
	c.	A current list of names, addresses and telephone numbers (office and home) of all persons qualified to act as emergency coordinator? [3745-65-52(D)]	Yes ☒ No ☐ N/A ☐
	d.	A list of all emergency equipment, including: location, a physical description and brief outline of capabilities? [3745-65-52(E)]	Yes ☒ No ☐ N/A ☐
	e.	An evacuation plan for facility personnel where there is possibility that evacuation may be necessary? [3745-65-52(F)]	Yes ☒ No ☐ N/A ☐

NOTE: If the facility already has a "Spill Prevention, Control and Countermeasures Plan" under CFR Part 112 or 40 CFR Part 1510, or some other emergency plan, the facility can amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with OAC requirements. [3745-65-52(B)]

30.		Is a copy of the plan (plus revisions) kept on-site and been given to all emergency authorities that may be requested to provide emergency services? [3745-65-53(A)&(B)]	Yes ☒ No ☐ N/A ☐
31.		Has the generator revised the plan in response to rule changes, facility, equipment and personnel changes, or failure of the plan? [3745-65-54]	Yes ☒ No ☐ N/A ☐
32.		Is an emergency coordinator available at all times (on-site or on-call)? [3745-65-55]	Yes ☒ No ☐ N/A ☐

NOTE: The emergency coordinator shall be thoroughly familiar with: (a) all aspects of the facility's contingency plan: (b) all operations and activities at the facility; (c) the location and characteristics of waste handled; (d) the location of all records within the facility; (e) facility layout; and (f) shall have the authority to commit the resources needed to implement provisions of the contingency plan.

EMERGENCY PROCEDURES

33.		Has there been a fire, explosion or release of hazardous waste or hazardous waste constituents since the last inspection? If so:	Yes ☐ No ☒ N/A ☐
	a.	Was the contingency plan implemented? [3745-65-51(B)]	Yes ☐ No ☐ N/A ☒
	b.	Did the facility follow the emergency procedures in 3745-65-56(A) through (H)?	Yes ☐ No ☐ N/A ☒

	a.	Did the generator comply with 3745-52-34(A)(1) through (4) or other applicable generator requirements within three days? [3745-52-34(C)(2)]	Yes ☒ No ☐ N/A ☐
	b.	Did the generator mark the container(s) holding excess with the accumulation date when the 55 gallon (one quart) limit was exceeded? [3745-52-34(C)(2)]	Yes ☒ No ☐ N/A ☐
NOTE: The satellite accumulation area is limited to 55 gallons of hazardous waste accumulated from a distinct point of generation in the process under the control of the operator of the process generating the waste (less then 1 quart for acute hazardous waste). There could be individual waste streams accumulated in an area from different points of generation.			
USE AND MANAGEMENT OF CONTAINERS IN <90 DAY ACCUMULATION AREAS			
45.	Has the generator marked containers with the words "Hazardous Waste?" [3745-52-34(A)(3)]		Yes ☒ No ☐ N/A ☐
46.	Is the accumulation date on each container? [3745-52-34(A)(2)]		Yes ☒ No ☐ N/A ☐
47.	Are hazardous wastes stored in containers which are:		
	a.	Closed (except when adding/removing wastes)? [3745-66-73(A)]	Yes ☒ No ☐ N/A ☐
	b.	In good condition? [3745-66-71]	Yes ☒ No ☐ N/A ☐
	c.	Compatible with wastes stored in them? [3745-66-72]	Yes ☒ No ☐ N/A ☐
	d.	Handled in a manner which prevents rupture/leakage? [3745-66-73(B)]	Yes ☒ No ☐ N/A ☐
NOTE: Record location on process summary sheets, photograph the area, and record on facility map.			
48.	Is the container accumulation areas(s) inspected weekly? [3745-66-74] Per ORC§1.44(A) "Week" means 7 consecutive days.		Yes ☒ No ☐ N/A ☐
	a.	Are inspections recorded in a log or summary? [3745-66-74]	Yes ☒ No ☐ N/A ☐
49.	Are containers of ignitable or reactive wastes located at least 50 feet (15 meters) from the facility's property line? [3745-66-76]		Yes ☒ No ☐ N/A ☐
50.	Are containers of incompatible wastes stored separately from each other by means of a dike, berm, wall or other device? [3745-66-77(C)]		Yes ☒ No ☐ N/A ☐
51.	If the generator places incompatible wastes, or incompatible wastes and materials in the same container, is it done in accordance with 3745-65-17(B)? [3745-66-77(A)]		Yes ☒ No ☐ N/A ☐
52.	If the generator places hazardous waste in an unwashed container that previously held an incompatible waste, is it done in accordance with 3745-65-17(B)? [3745-66-77(B)]		Yes ☐ No ☐ N/A ☒
NOTE: OAC 3745-65-17(B) requires that the generator treat, store, or dispose of ignitable or reactive waste, and the mixture or commingling of incompatible wastes, or incompatible wastes and materials so that it does not create undesirable conditions or threaten human health or the environment.			
53.	If the generator has closed a <90 day accumulation area does the closure appear to have met the closure performance standard of 3745- 66-11? [3745-52-34(A)(1)]		Yes ☒ No ☐ N/A ☐
NOTE: Please provide a description of the unit and documentation provided by the generator for the file to demonstrate that closure was completed in accordance with the closure performance standards. If the generator has closed a <90 day tank, closure must also be completed in accordance with OAC 3745-66-97 (except for paragraph C of this rule). [3745-52-34]			
PRE-TRANSPORT REQUIREMENTS			
54.	Does the generator package/label its hazardous waste in accordance with the applicable DOT regulations? [3745-52-30, 3745-52-31 and 3745-52-32(A)]		Yes ☒ No ☐ N/A ☐
55.	Does each container ≤119 gallons have a completed hazardous waste label? [3745-52-32(B)]		Yes ☒ No ☐ N/A ☐

USED OIL INSPECTION CHECKLIST
GENERATORS, COLLECTION CENTERS AND AGGREGATION POINTS

NOTE: A facility is subject to the federal SPCC regulations (40 CFR 112) if it is non-transportation related (e.g., fixed) and has an aggregate above ground storage capacity greater than 1,320 gallons or a total underground storage capacity greater than 42,000 gallons of oil (including used oil), and there is reasonable expectation of a discharge to navigable waters.

PROHIBITIONS			
1.	Does the generator manage used oil in a surface impoundment or waste pile? If yes:		Yes ☐ No ☒ N/A ☐
	a.	Is the surface impoundment or waste pile regulated as a hazardous waste management unit? [3745-279-12(A)]	Yes ☐ No ☐ N/A ☒
NOTE: For example, used oil contaminated scrap metal stored in a pile.			
2.	Is used oil used as a dust suppressant? [3745-279-12(B)]		Yes ☐ No ☒ N/A ☐
3.	Is off-specification used oil fuel burned for energy recovery in devices specified in 3745-279-12(C)?		Yes ☐ No ☐ N/A ☒
NOTE: Multiple used oil checklists may be applicable if used oil handler is performing multiple tasks (e.g., If generating used oil and shipping directly to a burner, complete generator and marketer checklists at a minimum).			
GENERATOR STANDARDS			
4.	Does the generator mix hazardous waste with used oil? If so,		Yes ☐ No ☒ N/A ☐
	a.	Is the mixture managed as specified in 3745-279-10(B)? [3745-279-21(A)]	Yes ☐ No ☐ N/A ☒
NOTE: Used Oil mixed with listed (3745-51-30 to 3745-51-35) or characteristic (3745-51-20 to 3745-51-24) hazardous waste are subject to regulation as a hazardous waste, unless the listed hazardous waste is listed solely because it exhibits a hazardous characteristic, and the resultant mixtures do not exhibit a characteristic. Mixtures of used oil and CESQG hazardous waste are subject to OAC Chapter 3745-279.			
5.	Does the generator of a used oil containing greater than 1,000 ppm total halogens manage the used oil as a hazardous waste unless the presumption is rebutted successfully? [3745-279-21(B)]		Yes ☐ No ☒ N/A ☐
NOTE: If used oil contains greater than 1000 ppm total halogens, it is presumed to be listed hazardous waste until the presumption is successfully rebutted.			
6.	Does the generator store used oil in tanks; or containers; or a unit(s) subject to regulation as a hazardous waste management unit? [3745-279-22(A)]		Yes ☐ No ☒ N/A ☐
7.	Are containers and aboveground tanks used to store used oil in good condition with no visible leaks? [3745-279-22(B)]		Yes ☒ No ☐ N/A ☐
8.	Are containers, above ground tanks, and fill pipes used for underground tanks clearly labeled or marked "Used Oil?" [3745-279-22(C)] Bldg X-326 + X-330		Yes ☐ No ☒ N/A ☐
9.	Has the generator, upon detection of a release of used oil, done the following: [3745-279-22(D)]		Yes ☒ No ☐ N/A ☐
	a.	Stopped the release?	Yes ☒ No ☐ N/A ☐
	b.	Contained the release?	Yes ☒ No ☐ N/A ☐
	c.	Cleaned up and properly managed the used oil and other materials?	Yes ☒ No ☐ N/A ☐
	d.	Repaired or replaced the containers or tanks prior to returning them to service, if necessary?	Yes ☒ No ☐ N/A ☐
ON-SITE BURNING IN SPACE HEATER			
10.	Does the generator burn used oil in used-oil fired space heaters? [3745-279-23] If so:		
	a.	Does the heater burn only used oil that owner/operator generates or used oil received from household do-it-yourself (DIY) used oil generators?	Yes ☐ No ☒ N/A ☐

SMALL QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS – BATTERIES AND LAMPS			
Large Quantity Universal Waste Handler (LQUWH) = 5,000 Kg or more			
Small Quantity Universal Waste Handler (SQUWH) = 5,000 Kg or less			
PROHIBITIONS			
1.	Did the SQUWH dispose of universal waste? [3745-273-11(A)]	Yes ☐ No ☒ N/A ☐	
2.	Did the SQUWH dilute or treat universal waste, except when responding to releases as provided in OAC rule 3745-273-17 or managing specific wastes as provided in OAC rule 3745-273-13? [3745-273-11(B)]	Yes ☐ No ☒ N/A ☐	
WASTE MANAGEMENT AND LABELING/MARKING			
UNIVERSAL WASTE BATTERIES			
3.	Are batteries that show evidence of leakage, spillage or damage that could cause leaks contained? [3745-273-13(A)(1)]	Yes ☒ No ☐ N/A ☐	
4.	If batteries are contained, are the containers closed and structurally sound, compatible with the contents of the battery and lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-13(A)(1)]	Yes ☒ No ☐ N/A ☐	
5.	Are the casings of the batteries breached, not intact, or open (except to remove the electrolyte)? [3745-273-13(A)]	Yes ☐ No ☐ N/A ☒	
6.	If the electrolyte is removed or other wastes generated, has it been determined whether the electrolyte or other wastes exhibit a characteristic of hazardous waste? [3745-273-13(A)(3)]	Yes ☐ No ☐ N/A ☒	
a.	If the electrolyte or other waste is characteristic, is it managed in compliance with OAC Chapters 3745-50 through 3745-69? [3745-273-13(A)(3)(a)]	Yes ☐ No ☐ N/A ☒	
b.	If the electrolyte or other waste is not hazardous, is it managed in compliance with applicable law? [3745-273-13(A)(3)(b)]	Yes ☐ No ☐ N/A ☒	
7.	Are the batteries or containers of batteries labeled with the words "Universal Waste - Batteries" or "Waste Battery(ies)" or "Used Battery(ies)?" [3745-273-14(A)]	Yes ☒ No ☐ N/A ☐	
UNIVERSAL WASTE LAMPS			
8.	Does the SQUWH contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with contents of the lamps? Are containers or packages closed and do they lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-13(D)(1)]	Yes ☐ No ☒ N/A ☐ Bldg X-330	
9.	Are lamps that show evidence of breakage, leakage or damage that could cause a release of mercury or hazardous constituents into the environment immediately cleaned up? Are they placed into a container that is closed, structurally sound, compatible with the contents of the lamps, and lack evidence of leakage, spillage or damage that could cause leakage or releases of mercury or hazardous waste constituents to the environment? [3745-273-13(D)(2)]	Yes ☒ No ☐ N/A ☐	
*NOTE: **Treatment (such as crushing) by a UWH is prohibited under this rule unless the facility is permitted for such activities [3745-273-31(B)].** A generator crushing lamps must manage lamps according to hazardous waste rules (OAC Chapter 3745-52). Lamp crushing is a form of generator treatment (OAC rule 3745-52-34). Crushed lamps must be transported by a registered hazardous waste transporter to a permitted hazardous waste facility using a hazardous waste manifest.*			
10.	Are the lamps or containers or packages of lamps labeled with the words "Universal Waste - Lamp(s)" or "Waste Lamp(s)" or "Used Lamp(s)?" [3745-273-14(E)]	Yes ☐ No ☒ N/A ☐ Bldg X-330	

EXPORTS			
23.	Is waste being sent to a foreign destination? If so:		Yes ☐ No ☒ N/A ☐
	a.	Does the small quantity handler comply with primary exporter requirements in OAC rules 3745-52-53, 3745-52-56, and 3745-52-57? [3745-273-20(A)]	Yes ☐ No ☐ N/A ☐
	b.	Is waste exported only upon consent of the receiving country and in conformance with the U.S. EPA "Acknowledgment of Consent" as defined in OAC rules 3745-52-50 to 3745-52-57? [3745-273-20(B)]	Yes ☐ No ☐ N/A ☐
	c.	Is a copy of the U.S. EPA "Acknowledgment of Consent" provided to the transporter? [3745-273-20(C)]	Yes ☐ No ☐ N/A ☐

Inspection Checklist for Subpart CC: Air Emission Standards (Containers)

Item # 40 CFR:

CC-1	265. 1080	Do any of the following exclusions apply? If yes, please circle.	YES	NO

Applicability: The air emission requirements apply to units subject to subpart I * unless the following apply (circle if applicable):

1. Waste was placed in unit prior to Oct. 6, 1996, and none has been added since.
2. The container capacity is less than .1 cubic meter (26 gallons)
3. A unit (e.g. tank) has stopped adding waste and is undergoing closure
4. The unit is used solely for onsite treatment or storage as a result of remedial activities required under corrective action, Superfund, or other similar state program
5. The unit is used solely to manage radioactive mixed waste
6. The unit is regulated by and operates in accordance with Clean Air Act regulations

***Note: 1. Satellite containers are exempt 2. CESQG's and SQG's are exempt**

CC-2	265.1083	Do any of the following exemptions apply? If yes, please circle	YES	NO

General Standards: The owner/operator must control air emissions from waste management units except the unit is exempt if (please circle if applicable):

1. All hazardous waste entering the unit has an average VO concentration at the point of origination less than 500 parts per million by weight (waste determination required)
2. The organic content of all waste entering the unit has been reduced by one of the 8 acceptable destruction or removal processes.
3. The unit is a tank used for certain biological treatment
4. The hazardous waste placed in the unit meets the LDR numerical concentration limits or has been treated using the specified LDR treatment technology (for organics)
5. The unit is a tank used for bulk feed to an incinerator and meets certain requirements

CC-3	265.1084	Waste Determination:	Determination Not Needed	Determination Needed

Was the VO concentration properly determined for each waste which the facility manages in a unit which does not meet Subpart CC requirements? The concentration must be determined by either direct measurement or knowledge. Please see 265.1084 for specific requirements for measurement and knowledge. Determination is not needed for waste managed in containers which meet standards. It may be necessary to evaluate container management prior to requiring VO concentration determination.

#	NA=Not Applicable, NI=Not Inspected, OK= In Compliance, DF= Deficiency	NA	NI	OK	DF

CONTAINER MANAGEMENT 265.1087

Level 1	Level 2	Level 3
Larger than 26.4 gallons and less than or equal to 122 gallons, or larger than 122 gallons and do not manage H.W. in light material service	Larger than 122 gallons and manage H.W. "in light material service" (definition at 265.1081)	Larger than 26.4 gallons and treat H.W. by a stabilization process
CC-4 265.1087 Controls		
One of the following: -Use containers that meet DOT requirements -Use a cover and control with no visible gaps, holes or other open spaces into the interior of the container -Use organic vapor suppression on or above the container 265.1087(c)	One of the following: -Use containers that meet DOT requirements -Use containers that operate with no detectable emissions (method 21) -Use containers that are demonstrated to be vapor-tight within the last 12 months (method 27) 265.1087(d)	-Containers used to stabilize H.W. with volatile organics greater than 500 ppm -For waste stabilized in a container either: 1.container must be vented directly to a control device; or 2.container is vented inside an enclosure which is exhausted through a closed vent to a control device -Conservation vents are not allowed 265.1087(b)(2)

File Run Copy

Land and Chemicals Division

Type of Document: X Notice of Violation Letter
__ No Violation Letter and Inspection Report/Checklist
_ Letter of Acknowledgment
_ Information Request
_ Pre-Filing and Opportunity to Confer
_ State Notification of Enforcement Action

Facility Name: **U.S. DOE Portsmouth Gaseous Diffusion Plant**

Facility Location: **3930 US Route 23 South**

City: **Piketon** **State:** **Ohio**

U.S. EPA ID# **OH7 890 008 983**

Assigned Staff **W. Francis** **Phone:** **312-353-4921**

Name	Signature	Date
Author **W. Francis**	W. F	7/23/12
Regional Counsel **T. Thurlow**	T Thurlow	8/13/12
Section Chief **P. Little**	P Little	8-14-12
Branch Chief **G. Victorine**	Gary Victorine	8/16/12

Report 8/24/12

RFC MG 8/14

Directions/Request for Clerical Support:

After the Section Chief/Branch Chief signs this sheet and original letter:

1. Date stamp the cover letter;
2. Make four copies of the contents of this folder:
   - One copy for the assigned staff;
   - One copy for the section file;
   - One copy for the branch file; and
   - One copy for the official file.
3. Make any additional copies for cc=s or bcc=s.
4. Mail the original certified mail and distribute office copies and cc=s and bcc=s. Once the certified mail receipt is returned:
5. File the certified mail receipt (green card), with this sign-off sheet and the official file copy, and take to 7th floor RCRA file room;
6. E-mail staff the date that the letter was received by facility.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

AUG 2 0 2012

REPLY TO THE ATTENTION OF:
LR-8J

CERTIFIED MAIL 7009 1680 0000 7669 1802
RETURN RECEIPT REQUESTED

Mr. William E. Murphie
Manager
Portsmouth/Paducah Project Office
U.S. Department of Energy
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513

Mr. Woodrow B. Jameson
Fluor-B&W Portsmouth, LLC
Post Office Box 548
Piketon, Ohio 45661

Re: Notice of Violation
RCRA Compliance Inspection
U.S. DOE Portsmouth Gaseous Diffusion Plant, Piketon, Ohio
OH7 890 008 983

Dear Messrs. Murphie and Jameson:

On May 14 and 15, 2012, representatives of the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency (Ohio EPA) inspected the U.S. DOE Portsmouth Gaseous Diffusion Plant (U.S. DOE-Portsmouth) installation located at 3930 US Route 23 South, Piketon, Ohio. The purpose of the inspection was to evaluate compliance with certain requirements of the Resource Conservation and Recovery Act (RCRA); specifically, those regulations related to the generation, treatment and storage of hazardous waste. A copy of the inspection report is enclosed for your reference.

Based upon information provided by U.S. Department of Energy (DOE), Fluor-B&W Portsmouth, LLC (FBP), and Wastren-EnergX Mission Support, LLC (WEMS) personnel, review of records, and physical observations by the inspectors, EPA has determined that DOE and FBP violated certain requirements of the Ohio Administrative Code (OAC) and the United States Code of Federal Regulations (CFR). We find that DOE and FBP were not in compliance with the following requirement:

- A small quantity handler of universal waste must manage lamps in a way that

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prevents releases of any universal waste or component of a universal waste to the environment. Specifically, a small quantity handler of universal waste must contain any lamp in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with the contents of the lamps. Such containers and packages must remain closed and must lack evidence of leakage, spillage, or damage that could cause leakage under reasonably foreseeable conditions. See, OAC Rule 3745-273-13(D)(1) [40 CFR § 273.13(d)(1)]. In addition, each lamp or container or package in which such lamps are contained must be labeled or marked clearly with one of the following phrases: "Universal Waste-Lamp(s)," or "Waste Lamp(s)," or Used Lamp(s)." See, OAC Rule 3745-273-14(E) [40 CFR § 273.14(e)].

During the inspection of Building X-700 at column C-8, the inspectors observed several open and unlabeled containers of used fluorescent lamps. DOE - Portsmouth was in violation of OAC Rule 3745-273-13(D)(1) [40 CFR § 273.13(d)(1)] and OAC Rule 3745-273-14(E) [40 CFR § 273.14(e)]. On May 15, 2012, Ms. Rosemary Richmond provided the inspectors with photographs of the closed and labeled used fluorescent lamps containers in Building X-700 which were located at column C-8. Based on this information, DOE and FBP have resolved the violations of OAC Rule 3745-273-13(D)(1) [40 CFR § 273.13(d)(1)] and OAC Rule 3745-273-14(E) [40 CFR § 273.14(e)].

In addition, during the records review portion of the inspection the inspectors identified seven hazardous waste manifests from 8/22/2011 through 9/21/2011, that were not signed by the transporter Norfolk Southern Railroad (VAD000650309). FBP personnel provided the inspectors with a copy of an April 10, 2012, letter from DOE to Ohio EPA regarding the manifests not signed by the initial transporter. The letter also stated that FBP was working with the Norfolk Southern Railroad Company to obtain authorization for FBP waste shippers to sign the hazardous waste manifests, "on behalf of Norfolk Southern Railroad Company." We understand that on May 24, 2012, Norfolk Southern Corporation sent a letter to FBP authorizing FBP to sign hazardous waste manifests on behalf of Norfolk Southern Railway Company in the section designated as Transporter.

This letter is to inform you that EPA has reviewed the referenced information, and does not plan additional enforcement action at this time. This letter does not limit the applicability of the requirements evaluated, or of other federal or state statutes or regulations. EPA and the Ohio EPA will continue to evaluate DOE and FBP in the future.

If you have any questions regarding this letter, please contact Walt Francis, of my staff, at (312) 353-4921.

Sincerely,

Gary Victorine, Chief
RCRA Branch

Enclosure

cc: Melody Stewart, OEPA – Southeast District Office
(melody.stewart@epa.state.oh.us)

bcc: Tim Thurlow, C-14J

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 W. JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604

RCRA COMPLIANCE EVALUATION INSPECTION REPORT

FACILITY NAME:	**U.S. DOE PORTSMOUTH GASEOUS DIFFUSION PLANT**
FACILITY U.S. EPA ID NO.:	**OH7 890 008 983**
FACILITY TYPE:	**Large Quantity Generator and Container Storage Facility**
FACILITY ADDRESS:	3930 US Route 23 South Piketon, Ohio 45661
U.S. EPA REPRESENTATIVE:	Walt Francis
DATE(S) OF INSPECTION:	May 14 and 15, 2012
SIC CODE:	**2819** - Industrial Inorganic Chemicals, Not Elsewhere Classified
NAICS CODE:	**325188** - All Other Basic Inorganic Chemical Manufacturing

PREPARED BY: Walt F 6/11/2012

Walt Francis
Environmental Scientist

Date

ACCEPTED BY: P L Little 6-12-12

Paul Little, Chief
Compliance Section 2
RCRA Branch

Date

Purpose of Inspection

The purpose of this inspection was to conduct a Compliance Evaluation Inspection (CEI) at the U.S. Department of Energy Portsmouth Gaseous Diffusion Plant (Portsmouth), Piketon, Ohio to determine its compliance with the Resource Conservation and Recovery Act (RCRA), the Ohio Administrative Code (OAC), and the RCRA Permit requirements with respect to U.S. DOE's management of hazardous waste, universal waste and used oil.

Participants

U.S. Environmental Protection Agency (U.S. EPA) Inspector -
Walt Francis, Environmental Scientist

Ohio Environmental Protection Agency (Ohio EPA) Inspector -
Melody Stewart, Hazardous Waste Inspector

Representatives of U.S. DOE, Fluor-B&W Portsmouth, LLC (FBP), Wastren-EnergX Mission Support, LLC (WEMS) and Restoration Services (RSI)-
Kristi Wiehle, U.S. DOE
Amy Lawson, U.S. DOE
Rosemary Richmond, FBP
Chris Guilliams, FBP
Robert Lyon, FBP
Jim Thomson, FBP
Bridget Eslinger, FBP
Robert Anderson, WEMS
Greg Miller, RSI
Jeremy Davis, RSI

Site Description/Background Information

Historically, the main function of the Portsmouth facility was to enrich uranium for military use (nuclear submarines) and commercial reactors through a gaseous diffusion process. This involved the separation of U235 from the U238 isotope in uranium hexafluoride (UF6) feedstock which contains 0.711% U235. The Plant had produced enriched uranium continuously since September 1954. In 1993, the uranium enrichment facilities at the plant were leased to the United States Enrichment Corporation (USEC). U.S. DOE retained ownership of the ongoing site environmental restoration program as well as the permitted hazardous waste storage facilities.

Numerous other activities associated with the plant's main function also occur on-site and were leased by USEC. As of March 2012, U.S. DOE and FBP activities include decontamination of equipment and uranium recovery (X-705 Bldg.); chemical cleaning of equipment (X-700);

maintenance crafts, including paint, sheet metal, machining, valve, compressor, welding, electrical, motor rewind, metallurgy, instruments and carpentry (X-720); laboratory services (X-710); wastewater treatment (X-6619); water treatment (X-611); chromium removal (X-616); uranium operations, fluorine generation and cylinder handling (X-344); photo and printing lab (X-100); vehicle repair (X-750); coal pile runoff treatment (X-621); and electrical and utilities system.

Hazardous waste and mixed waste which was generated from the gaseous diffusion and associated processes leased by USEC is stored in U.S. DOE owned and permitted storage facilities. Waste generated by U.S. DOE and FBP from the environmental restoration is also stored in these facilities. U.S. DOE also generates non mixed radioactive hazardous waste which is shipped out of Building XT-847. USEC ceased the enrichment process in May 2001.

Uranium contaminated hazardous wastes (mixed waste) which were generated by USEC and are generated by U.S. DOE and FBP are stored on-site in U.S. DOE-owned and operated hazardous waste container storage facilities for longer than one year. Historically, this was due to the limited number of treatment, storage and disposal (TSD) facilities in the United States which could accept mixed waste, and a May 1991 U.S. DOE moratorium on off-site waste shipment. A large percentage of the waste generated at Portsmouth is U.S. DOE-generated mixed waste from the site-wide cleanup activities. This is also stored in U.S. DOE-owned storage areas. U.S. DOE sends some waste off-site (to U.S. DOE Oakridge) for treatment prior to final disposal. Treatment residuals are returned to U.S. DOE - Portsmouth for storage in the interim prior to their final disposal.

U.S. DOE/FBP generated hazardous wastes are primarily shipped to Energy Solutions, Clive, Utah, Perma-Fix, Gainesville, Florida, and Diversified Scientific Services, Inc. (DSSI), Kingston, Tennessee. In addition, a wide variety of radioactive and other nonhazardous wastes are generated as a result of the above processes. Babcock & Wilcox Conversion Services is working on a project to recover material from depleted uranium hexafluoride cylinders.

On March 25, 2011 Ohio EPA renewed the RCRA Permit for the Portsmouth facility. The renewed RCRA Permit includes six container storage areas in Building X-326. The renewed RCRA Permit states in Section B.36(m) that U.S. DOE/FBP may store restricted waste beyond one year; however, the Permittee bears the burden of proving that such storage was solely for the purpose of accumulating such quantities of hazardous waste as are necessary to facilitate proper recovery, treatment or disposal [OAC Rule 3745-270-50].

Opening Conference

On May 14, 2012 Walt Francis and Melody Stewart arrived at Building X-1000 at approximately 7:40 a.m. and informed the U.S. DOE and FBP representatives of the nature, scope, and procedures for the RCRA inspection. The inspection was conducted by U.S. EPA and Ohio EPA personnel as a Federal lead inspection. The facility representatives provided the team with a brief

update of the facility since the last inspection, and a list of current hazardous waste satellite accumulation area (SAA) containers, hazardous waste less than 90 day accumulation areas, and universal waste accumulation areas. Ms. Kristi Wiehle allowed the inspectors access to the facility to conduct the inspection.

Site Tour

The walk-through began in Building X-326. Mr. Guilliams introduced Ms. Vickie Glenn to the inspectors. Ms. Glenn showed the inspectors the "L Cage" permitted storage areas. Inspector Francis observed a container labeled "Waste Oil" (RFD # 10-003070) with a 1/1/1988 accumulation date. The walk-through continued to a hazardous waste less than 90 day area at column B82. The walk-through continued to the RCRA Permitted Area #1. Inspector Francis observed a tote labeled "X-700 Tank #1 Closure, F001, 12/28/2009". The walk-through continued to Areas #6 and then to Area #3. In Area #6, Inspector Francis observed five 55-gallon containers labeled "Non-Regulated Waste, Alumina Air Control Top Purge, RFD numbers 08-0022359, 08-002357, 08-002360, 08-0022356, and 08-002358. In Area #3, Inspector Francis observed a container labeled "X-700 Tank #2 Solution, D002/D006/D007/D009/D018/F001, 2/18/2010, RFD # 63819." The walk-through continued to Area #5. Inspector Francis observed a container labeled "Bulbs D009." The walk-through continued to Area #2. Inspector Francis observed a container labeled "DOE PCB Oil, 6/17/2009, Drum ID 09-002529" in Section 2, Row 3. The walk-through continued to Area #4. Inspector Francis observed a container labeled "D008/PCBs, WC # 11-001394", and several 5-gallon containers of hazardous waste. The inspection continued to a hazardous waste less than 90 day area at column C-48. Inspector Francis observed a container of acetone and water. The walk-through continued to a universal waste accumulation area. Inspector Francis observed a 1 gallon container utilized for used bulbs from the control room. The inspection continued to a polybottle accumulation area at column G-25. Inspector Francis noted that one of the polybottles was labeled "Seal Exhaust Oil, #581502". Mr. Guilliams told the inspectors that the oil would be shipped out as radioactive waste. The inspection continued to the Control Room (ACR). Ms. Glenn showed the inspectors observed a blue Universal Waste accumulation container in the Control Room at column L-62.

The inspection continued to Building X-330. Ms. Glenn showed the inspectors a hazardous waste less than 90 day accumulation area. The inspectors observed several pallets of used lead acid batteries. The walk-through continued to the Electrical Maintenance Ship at Column G-43. Mr. Guilliams pointed out a SAA container utilized for accumulating broken fluorescent lamps, and an area where used fluorescent lamps are accumulated from all three process building at column W35. Mr. Guilliams told the inspectors that USA lamps, Cincinnati, Ohio picks up the used lamps from Building XT-847. The inspection continued to a room where Mr. Guilliams showed the inspectors a 5-gallon container SAA container of gasket cleaning hazardous waste. The walk-through continued to a used oil accumulation area and used lead acid battery accumlation area. The walk-through continued to Building X-530. Inspector Francis observed a 55-gallon container of used oil and several used oil pails which were labeled "Used Oil'. The walk-through continued to Building X-345. Mr. Guilliams introduced Mr. Matt Kildow, Small Cylinder

Operations Manager. Mr. Kildow showed the inspectors two 55-gallon containers of hazardous waste in a less than 90 day accumulation area. Inspector Francis observed that the containers were labeled "Scrap Metal and Track Blast Material, D005/D007/D008/D009, 4/19/12, Building X-326, RFD # 12-000996." Mr. Kildow also showed the inspectors two polybottles containing used oil. The walk-through continued to Building X-344A. Mr. Guilliams showed the inspectors an area where universal waste bulbs are accumulated. Inspector Francis observed a container of mercury vapor bulbs dated "4/3/12", a container of used incandescent bulbs dated "4/23/12", and two containers of four foot used fluorescent lamps dated "2/1/12." The inspection continued to Building X-342. Mr. Guilliams showed the inspectors a SAA container labeled "HF and F2 Sensors". The inspection continued to Building X-700. Mr. Guilliams introduced Mr. Marvin Ross. Mr. Ross showed the inspectors a tanker truck which accumulates hazardous waste for less than 90 days which is taken to Building X-627. Inspector Francis observed that the tanker truck had a "5/14/12" accumulation date. The inspection continued to a less than 90 day accumulation area in Building X-700. Inspector Francis observed one 55-gallon container dated "5/4/12", five 5-gallon containers labeled "Lab Decon", "Lead", "Broken Bulbs", two containers of "Lab Organic Waste", and "Lead Compounds". The inspection continued to a universal waste accumulation area in Building X-700. The inspectors observed four 4-foot containers of used fluorescent lamps dated "4/3/12, 4/8/12, 2/9/12, 3/25/12." The walk-through continued to another less than 90 day area in Building X-700. Mr. Marvin Ross showed the inspectors six 85-gallon overpack drums. Inspector Francis observed that the containers were labeled "Heavy Metal Sludge" with accumulation dates of "3/15/12", "5/2/12", "3/28/12", "4/10/12", "3/28/12", "4/24/12." The walk-through continued to an area of Building X-700 utilized by WEMS. Mr. Robert Anderson showed the inspectors the Paint Shop. Inspector Francis observed one 30-gallon SAA container labeled "Waste Paint, F005", and a 10-gallon SAA container labeled "Aerosol Cans", four containers of used oil, and one 30-gallon container of used antifreeze. The walk-through continued in Building X-700 to another universal waste accumulation area. The inspectors observed several open cardboard boxes of used and unused fluorescent lamps. The cardboard boxes were dated "8/4/11" and 7/14/11." The inspection continued to another area where nickel-cadmium batteries were accumulated. Inspector Francis observed that the container was labeled "Ni-Cd batteries with a "7/2/11" accumulation date. The walk-through continued to a 5-gallon SAA container in the WEMS area in Building X-700. Mr. Anderson showed the inspectors a 5-gallon container of waste paint. The walk-through continued to Building X-720. In Building X-720, Mr. Guilliams introduced Ms. Beverly Kelley to the inspectors. Ms. Kelley showed the inspectors a universal waste accumulation area, SAA accumulation container, and a less than 90 day accumulation area, at column H-10. The inspectors observed a container of incandescent bulbs dated "5/10/12", a container of used compact fluorescent bulbs dated "6/6/11", and two 30-gallon containers of used aerosol cans dated "3/12/12" and 4/16/12", and a 55-gallon SAA container. The inspection continued in Building X-720 to column L-15. At column L-15, the inspectors observed two 5-gallon SAA accumulation containers labeled "Waste Oil and Solvent from Switchyard", and "Rags and Gloves", and a container labeled "Ni-Cd Bateries Universal Waste." The walk-through continued to the Cleaning Room in Building X-720. The inspectors observed two SAA polybottles in this area and two 55-gallon containers labeled "CRT – Cathode Ray Tubes, RFD #66584/WLT 11-001419 and RFD# 66585/12-

001420." The inspection continued to the Seal Shop. The inspectors observed another SAA container. The inspection continued to another universal waste accumulation area. Inspector Francis noted that the four foot and eight foot used fluorescent lamp boxes were dated "2/21/12". The walk-through continued to the Paint Shop in Building X-720. Inspector Francis noted that the less than 90 day container was labeled with a "5/2/12" accumulation date. The inspection continued to Building X-720C. Ms. Kelley showed the inspectors two 5-gallon containers of waste oil base paint and waste paint thinner with "5/9/12" accumulation dates. The walk-through continued to Building X-750. Ms. Kelley showed the inspectors a parts cleaner, a 5-gallon container of used aerosol cans, a used oil container, and a 55-gallon less than 90 day container that was labeled "Gas and Diesel Fuel". Ms. Kelley told the inspectors that the parts washer utilized a solvent called "Buckeye Shopmaster." Inspector Francis asked Ms. Kelley how the used parts washer solvent was handled. Ms. Kelley told the inspectors that any used parts washer solvent is added to the "Gas and Diesel Fuel" waste container. The inspection continued to Building X-104. At Building X-104, Ms. Kelley showed the inspectors a 55-gallon SAA container utilized for waste rags and patches from weapon firing in the garage. The walk-through continued to room 145 in Building X-104. Ms. Kelley showed the inspectors a SAA container of weapon cleaning solution and lead. The inspection continued to Building X-720 at column 7. Mr. Guilliams showed the inspectors two metal boxes of excavated soil that were labeled "F001, 5/14/12", and a universal waste accumulation area. Inspector Francis observed two cardboard boxes of used fluorescent lamps with "5/4/12 and 5/9/12" accumulation dates. The walk-through continued to Building X-300. In Building X-300, Ms. Kelley showed the inspectors a universal waste accumulation container with a "2/10/12" accumulation date. The inspection continued to Building X-710. At Building X-710, Mr.Guilliams introduced Mr. Brian Pyles. Mr. Pyles showed the inspectors a less than 90 day hazardous waste accumulation area in Room 144. Inspector Francis observed a container with nitric acid and water with a "3/20/12" accumulation date, and another container labeled "Acids" with a "3/21/12" accumulation date. The walk-through continued in Building X-710 to Room 103. Mr. Pyles showed the inspectors another less than 90 day hazardous waste accumulation area and a universal waste accumulation area. Inspector Francis observed a 5-gallon container of "Waste Heptane" with a "5/7/12" accumulation date and a 5-gallon container of "Waste Acetone/Heptane" with a "4/18/12" accumulation date, and several cardboard boxes of 4 foot used fluorescent lamps with a "4/10/12" accumulation date. The walk-through continued to Room 113 where the inspectors observed a 30-gallon SAA container of used aerosol cans. The walk-through continued to rooms 142, 154, and 157 where the inspectors observed SAA containers. The walk-through continued to room 285 where the inspectors observed four 5-gallon and one 30-gallon SAA containers. The walk-through continued to room 266 where the inspectors observed another 5-gallon SAA container of "planchettes." The walk-through continued to rooms 245, 213, 262, 254, 263, 213, 212, 224, 223, 203, and 216 where the inspectors observed various SAA containers. The walk-through continued to Building X-100. Mr. Brian Pyles showed the inspectors a universal waste accumulation area on the Loading Dock Area inside a cage. Inspector Francis observed ten cardboard boxes of 4-foot used fluorescent lamps with accumulation dates of "1/23/12" and "4/26/12". The walk-through continued to Building XT-847. The inspectors met Ms. Barbara Holcum, Ms. Elizabeth Lamerson, and Ms. Mabel Tanner. Ms. Tanner showed the inspectors an

empty hazardous waste less than 90 day accumulation area at column L-2. The walk-through continued to another hazardous waste less than 90 day accumulation area at column N-2, and then to a universal waste accumulation area, and then to a used oil accumulation area at column N3. The walk-through continued to another universal waste accumulation area at column D-17. Inspector Francis observed containers of four-foot universal waste used lamps with "9/17/11, 3/1/12, ad 8/30/11" accumulation dates, and a 5-gallon container which was labeled "Airbag, RFD #C4096/#64096". The walk-through continued to a 55-gallon SAA container of "Broken Fluorescent Lamps". Inspector Francis asked Ms.Tanner what off-site facility accepts the used fluorescent lamps. Ms. Tanner told the inspectors that used lamps are picked up by USA Lamp, Cincinnati, Ohio. The walk-through continued to a hazardous waste less than 90 day accumulation area at column C-2. The inspectors observed a 55-gallon container labeled "Used Gas and Diesel, D001/D018, 4/18/12". The walk-through continued to another universal waste accumulation area at column N18. The inspectors observed 4-foot and eight-foot used fluorescent lamps in cardboard boxes with "12/1/11 and 2/29/12" accumulation dates. The walk-through continued to Building X-7721. The inspectors observed several boxes of four-foot and eight foot universal waste used lamps at column F-3 which were labeled and dated "2/6/12, and 1/31/12", and additional universal waste lamps at column F-8, and a 55-galon SAA of Buckeye Shopmaster parts cleaner. The walk-through continued to Building X-627. At Building X-627 Mr. Greg Thompson showed the inspectors a 55-gallon SAA container of "Bag Filters, F001." The inspection continued to Building X-623 Groundwater Treatment. Mr. Thompsen showed the inspectors a 55-gallon SAA container of plastic and PPE with an F002 hazardous waste code.

On Tuesday May 15th at approximately 7:30 a.m. the inspectors continued the inspection at Building X-622. At Building X-622, Mr. Greg Thompson showed the inspectors a 55-gallon SAA container of F001 waste. The walk-through continued to Building X-624. At Building X-624, Mr. Thompson showed the inspectors a 55-gallon SAA container labeled "Bag Filters, PPE, and Plastic, F001". The walk-through continued to Building X-230J-1. The inspectors observed two 55-gallon containers labeled "Sediment Debris, F001, 4/11/12." Mr. Guilliams explained that a pipe had been cleaned out at NPDES Outfall #001. The walk-through continued to Building X-752. At Building X-752, Mr. Mitch Newman showed the inspectors a universal waste battery accumulation area in Bay R, and a 55-gallon SAA container of used aerosl cans in Bay Q. The walk-through continued to Warehouse #9. Mr. Guilliams introduced Mr. Bill Armstrong and Mr. Michael Binkley. Inspector Francis observed four 55-gallon containers labeled "Electrical Recyclables", a container of universal waste batteries dated "5/14/12,", a 55-gallon SAA container labeled "Broken Fluorescent Tubes," and a 55-gallon container labeled "Mop Oil" dated 8/19/92. The walk-through continued to the Building X-747H Shipping Pad. Mr. Newman showed the inspectors a hazardous waste less than 90 day accumulation area that contained a 5-gallon container labeled "R-11" with a 3/1/2012 accumulation date and two 55-gallon containers labeled "Oil, D008, 3/1/2012, RFD # 12-001174." The walk-through continued to Building X-705. Mr. Marvin Ross met the inspectors at Building X-705. The inspection group received instructions on entering Building X-705, including donning one pair of cloth coveralls, one pair of yellow plastic coveralls, one pair of plastic booties, one pair of rubber boots, and two pairs of latex gloves. The inspection team entered Building X-705. Mr. Ross showed the

inspectors a hazardous waste less than 90 day accumulation area, a SAA container for aerosol cans, a SAA container at the micro sludge area, and a SAA container for the heavy metal sludge, and a less than 90 day area in the High Bay area.

The inspectors then returned to Building X-100 to review records.

Records Review

A record review was conducted. The inspection team requested to review hazardous waste manifests, land disposal restriction forms, mixed-waste shipment documentation, universal waste and used oil shipping records, personnel training information, weekly inspection logs, waste profiles for hazardous waste in storage, and the latest version of the contingency plan. The inspectors reviewed hazardous waste manifests since the date of the last inspection, two years of personnel training records, waste profiles, less than 90-day hazardous waste accumulation area closure final inspection and close-out letters, and weekly inspection logs. The inspectors reviewed off-site hazardous waste manifests. Specifically, the inspectors reviewed several out-bound hazardous waste manifests dated 8/22/11, 9/21/11, 7/19/11, 9/14/11, 8/30/11, 9/8/11, and 8/23/11 for rail shipments of F001 hazardous waste to Energy Solutions, Clive, Utah (UTD982598898). The inspectors observed that the transporter was Norfolk Southern Railroad (NSR) (VAD000650309). However, NSR had not signed the manifests. Universal Waste was being shipped to USA Lamp and Ballast Recycling, Cincinnati, Ohio, and the date of the last off-site shipment was 4/12/2012. Used oil was picked up by Glockner Oil, Piketon, Ohio. The inspectors reviewed a Contingency Plan that was last updated in October 2011.

Closing Conference

The inspectors conducted a closing conference. Inspector Francis explained that he would review his notes from the inspection, and generate an inspection report. U.S. DOE and FBP would then receive a letter from U.S. EPA regarding the inspection including a copy of the inspection report, and completed inspection checklists. Inspector Francis discussed the NSR unsigned manifests. Ms. Richmond provided the inspectors with an April 10, 2012 letter to Ohio EPA regarding the rail shipment manifests not being signed by the transporter. In addition, Inspector Francis discussed the open and unlabeled universal waste used fluorescent lamps boxes in Building X-700 at column C8.

Attachments
Inspection Checklists.

RCRA HAZARDOUS WASTE GENERATOR
INSPECTION CHECKLIST

Company: U.S. DOE - Portsmouth Gaseous Diffusion EPA ID#: OH7 890 008 983

Street: 3930 US Route 23 South City: Piketon

County: Pike State: Ohio Zip: 45661

Mailing Address: PO Box 700, Piketon, Ohio
(If different from above)

Telephone: Rosemary Richmond 740-897-2967 Fax #: _____

Owner/ Operator: Federal Government
(If different from above)

Street: _____

City: _____ State: Ohio Zip: _____

Inspection Date(s): 5/14 and 15, 2012 Time(s): 7:45 am

Inspection Announced? _____ Yes X NO If so, how much advance notice given? _____

	Name	Affiliation	Telephone
Inspectors:	Walt Francis	U.S. EPA	312-353-4921
	Melody Stewart	Ohio EPA	740-380-5256
Facility Representative:	Kristi Wiehle	U.S. DOE	740-897-5020
	Rosemary Richmond	FBP	740-897-2967
	Chris Guilliams	FBP	740-897-3863

Complete All Other Applicable Checklists

Generator Classification	Waste Management Activity
____ Conditionally Exempt SQG (CESQG)	X Containers
____ Small Quantity Generator (SQG)	____ Tank(s)
X Large Quantity Generator (LQG)	____ Land Disposal Requirements (LDR)
____ No Generation	X Used Oil
	X Universal Waste
	____ Other

CESQG:< 100 Kg. (approximately 25-30 gallons) of waste in a calendar month
SQG: Between 100 and 1,000 Kg. (about 25 to under 300 gallons) of waste in a calendar month
LQG: >1,000 Kg. (~300 gallons) of waste in a calendar month or > 1 Kg. of acutely hazardous waste in a calendar month
NOTE: *To convert from gallons to pounds: Amount in gallons x Specific Gravity x 8.345 = Amounts in pounds*

COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY

NOTE TO THE INSPECTOR

STATE PART B HAZARDOUS WASTE PERMIT INSPECTION CHECKLIST

DIVISION OF HAZARDOUS WASTE MANAGEMENT
OHIO EPA
April 2012

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Portsmouth Gaseous Diffusion Plant
04-66-0680

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OHIO PART B PERMITTED FACILITY
RCRA INSPECTION CHECKLIST

Facility: Portsmouth Gaseous Diffusion Plant Ohio Permit #: 04-66-0680

Co-operator: Fluor–B&W Portsmouth, LLC

Address: 3930 U.S. Route 23 South
Piketon, OH 45661

USEPA ID#: OH7890008983
Facility Phone: 740-897-5010

County: Pike

Time: 7:45 am

Inspection Date: 5/14/2012 and 5/15/2012

Advance notice of inspection given?___(Yes) __X__(No)
If so, how far in advance? _____

	Name	***Agency/Title***	***Phone***
Inspector(s):	Walt Francis	U.S. EPA	312-353-4921
	Melody Stewart	Ohio EPA	740-380-5256
Facility Representative(s):	Kristi Wiehle	U.S. DOE	740-897-5020
	Rosemary Richmond	Fluor-B&W Portsmouth, LLC	740-897-2967

Is facility operating as a generator? Yes __X__ No _____

If so, complete the applicable sections of the Generator Requirements checklist for wastes being managed under generator status.

PERMIT STATUS

Permit Issued: March 25, 2011
Permit Effective Date: March 25, 2011
Permit Expiration Date: March 25, 2021

STORAGE		TREATMENT		DISPOSAL	
X	Container		Tank		Injection Well
	Tank		Surface Impoundment		Landfill
	Waste Pile		Incinerator		Land Application
	Surface Impoundment		Thermal Treatment		Surface Impoundment

PROCESS DESCRIPTION

Historically, the main function of the DOE-PORTS facility was to enrich uranium for military use (nuclear submarines) and commercial reactors through a gaseous diffusion process. This involved the separation of U235 from the U238 isotope in UF6 feedstock which contains 0.711% U235. In 1993, DOE began leasing the uranium enrichment production and operations facilities at PORTS to the United States Enrichment Corporation (USEC). Uranium was enriched at the site by USEC until May 2001, at which time the production facilities were placed into a cold standby mode. During cold standby, the process buildings were maintained with a restart capability. DOE terminated the cold standby program in September 2005 and replaced it with a cold shutdown program, which no longer maintains the gaseous diffusion restart capability. The PORTS site is owned by DOE and the uranium enrichment facilities are in the process of being transitioned back to DOE from USEC. Ongoing activities at the facility include decontamination and decommissioning of facility buildings, ongoing site environmental restoration, and maintenance of the permitted hazardous waste storage area.

WASTE MANAGEMENT, GENERATION AND AMOUNT

Uranium contaminated hazardous wastes (mixed waste) which were generated by USEC and DOE are stored on-site in DOE-owned and operated hazardous waste container storage facilities for longer than one year. Historically, this was due to the limited number of TSDs in the U.S. which could accept mixed waste, and a May 1991 DOE moratorium on off-site waste shipment. A large percentage of the waste generated at PORTS is DOE-generated mixed waste from the site-wide cleanup activities. This is also stored in DOE-owned storage areas. During the past year, numerous shipments of hazardous waste were manifested off-site by both DOE and USEC. This is due to an increase in treatment capacity at off-site commercial treatment facilities and DOE treatment facilities, the lifting of the moratorium, and the execution of the site treatment plans for DOE and USEC. DOE has in the past sent some waste off-site (to USDOE Oakridge) for treatment (incineration) prior to final disposal. Treatment residuals had been returned to DOE for storage in the interim prior to their final disposal.

Hazardous

The DOE Part B permit lists numerous hazardous waste codes for wastes that are generated by the above processes and the environmental restoration. These are stored in drums ranging in size from 30 to 110 gallon capacity, 5 gallon containers, 20 gallon lab packs, 5' cans, 4'x4'x6' boxes, 4'x4'x8' boxes, polybottles and laboratory bottles.

Nonhazardous

A wide variety of radioactive and other nonhazardous wastes are generated as a result of the above processes.

HAZARDOUS WASTE MANAGEMENT UNITS

The following DOE-owned permitted storage facilities were inspected during the CEI:

In addition, DOE-owned and operated HWMUs and SAAs were inspected in the following buildings:

REGULATORY/ENFORCEMENT HISTORY

As a result of violations of state and federal hazardous waste regulations found during the 1987, 1988, and 1989 OEPA RCRA inspections, USDOE and OEPA entered into a Consent Decree governing restoration of the environment at DOE-PORTS.

On October 4, 1995, DFFOs were signed which allowed DOE to store LDR wastes in excess of one year, so long as waste is being stored in compliance with the orders and an approved site treatment plan. These orders supercede the May 18, 1993, DFFOs.

On February 24, 1998, DOE, LMES and Ohio signed DFFOs and a Consent Order regarding past violations and the management of DUF6 and LiOH. This order was amended on March 12, 2004, June 23, 2005, February 22, 2008 and March 28, 2011. The latest amendment added Fluor-B&W Portsmouth, LLC and Babcock & Wilcox Conversion Services, LLC to the order.

On March 18, 1999, DOE and Ohio EPA signed DFFOs. These DFFOs provide exemptions to DOE and integrate the following unclosed units into the CMS/CMI process: X-749, X-231B, X-701C, X701B, X-230J7, and X-744Y.

A Part B permit was issued to DOE and its current co-operator, Bechtel Jacobs, for the X-7725 and X-326 storage facilities on March 25, 2011.

On April 13, 2010, DOE signed the Director's Final Findings and Orders for Removal Action and Remedial Investigation and Feasibility Study and Remedial Design and Remedial Action (DFF&O). The DFF&O outline the process for decontamination and decommissioning of the facility buildings.

GENERAL CONDITIONS OF PERMIT

GENERAL PERMIT COMPLIANCE AND ACTIVITIES

1. Has the expiration date of the permit passed? If so: Yes___No X N/A ___RMK#___

   a. Is the permittee continuing any activity regulated by the permit after the expiration date of the permit? Yes___No___ N/A X RMK#___

   b. Has the facility submitted an application for a permit renewal to the director no later than 180 days prior to the expiration date of the permit? (Or upon a later date if the permittee can demonstrate good cause for late submittal.) [Condition A.6.(a)] Yes___No___ N/A X RMK#___

NOTE: *The permittee may continue to operate in accordance with the terms and conditions of the expired permit until a renewal permit is issued or denied if:*

A. The permittee has submitted a timely and complete application for a renewal permit under OAC rule 3745-50-40; and

B. Through no fault of the permittee, a new permit has not been issued pursuant to OAC rule 3745-50-40 on or before the expiration date of the permit. [Condition A.6.(b)]

2. Has the permittee submitted the annual permit fee, payable to Treasurer, State of Ohio, to Ohio EPA on or before the anniversary of the date of issuance during the term of the permit? [Condition A.26] Yes X No___ N/A ___RMK#___

3. Is the permittee conducting any hazardous waste management activities (not otherwise exempt by law) which are not authorized by the permit? [Condition A.1.(b) and A.5] Yes___No X N/A ___RMK#___

4. Have any provisions of the permit been identified as invalid? [Condition A.4.] Yes___No X N/A ___RMK#___

5. Has the facility identified any instances of noncompliance with the permit, RC Chapter 3734. or the rules adopted thereunder, which may endanger human health or the environment? If so: Yes___No X N/A ___RMK#___

Training –
– Incompatible on spill pallets.

a. Did the facility immediately report orally the following to Ohio EPA's Emergency Response Section within 24 hours of becoming aware of the circumstance(s): [Condition A.20.(a)]

i. Information concerning a release of any hazardous waste that may cause an endangerment to public drinking water supplies; and — Yes__No__ N/A X RMK#__

ii. Information concerning a release of hazardous waste, fire or explosion at the facility which could threaten human health or the environment outside the facility, including a description of:

A. Name, address and telephone number of the owner or operator? — Yes__No__ N/A __ RMK#__

B. Name, address and telephone number of the facility? — Yes__No__ N/A __ RMK#__

C. Name and quantity of material(s) involved? — Yes__No__ N/A __ RMK#__

D. The extent of injuries, if any? — Yes__No__ N/A __ RMK#__

E. An assessment of the actual or potential hazard to the environment and human health outside the facility where this is applicable? — Yes__No__ N/A __ RMK#__

F. Estimated quantity and disposition of recovered material that resulted from the incident? — Yes__No__ N/A __ RMK#__

6. Did the permittee provide a written report to Ohio EPA's Emergency Response Section and DHWM, SEDO within five days of the time the permittee became aware of the circumstances reported in Question 5? [Condition A.21.] If so did the report contain: — Yes__No__ N/A X RMK#__

a. A description of the noncompliance and its cause (including exact dates and times)? — Yes__No__ N/A __ RMK#__

b. Whether the noncompliance has been corrected and if not, the anticipated time noncompliance is expected to continue? — Yes__No__ N/A __ RMK#__

c. Steps taken or planned to minimize the impact on human health and the environment and to reduce and prevent recurrence of the noncompliance?

Yes___No___ N/A X RMK#__

Note: *The permittee need not comply with the five day written report requirement if the director, upon good cause shown by the permittee, waives that requirement and the permittee submits a written report within 15 days of the time the permittee becomes aware of the circumstances. [Condition A.21.(c)]*

7. Has the permittee expeditiously taken all steps necessary to minimize or correct any adverse impact on the environment or public health resulting from noncompliance with the permit? [Condition A.8]

Yes___No___ N/A X RMK#__

8. Has the permittee identified any other instances of noncompliance not provided for in Question 5?

Yes X No___ N/A ___RMK#__

Training

a. If so, did the permittee report to the director within a month of the time at which the permittee is aware of such noncompliance? [Condition A.22.]

Yes___No___ N/A ___RMK#__

b. Do the reports provided contain the information set forth in Condition A.20?

Yes___No___ N/A ___RMK#__

9. Has the permittee planned any physical alterations or additions to the permitted facility?

Yes___No___ N/A ___RMK#__

a. If so, has the facility provided Ohio EPA with notice of such changes? [Condition A.15]

Yes___No___ N/A ___RMK#__

Note: *Such notification does not waive the permittee's duty to comply with the permit pursuant to Condition A.5.*

REMARKS

PERMIT MODIFICATION, REVISION, REVOCATION

1. Has the permittee filed a request for a permit modification, revision or revocation since issuance of the permit? [Condition A.2.] yes permit mod, control plan — Yes ✓ No___ N/A ___ RMK#___

2. Has the permit been transferred to a new owner or operator? [Condition A.18.] If so, — Yes___ No ✓ N/A ___ RMK#___

   a. Has the transfer been conducted in accordance with R.C. Chapter 3734. and the rules adopted thereunder? [Condition A.18.]; and — Yes___ No___ N/A ___ RMK#___

   b. Before transferring ownership did the permittee notify the new owner in writing of the requirements of R.C. Chapter 3734. and the rules adopted thereunder and the applicable Ohio hazardous waste rules? [Condition A.18.] — Yes___ No___ N/A ___ RMK#___

3. Has the permittee submitted reports of compliance or noncompliance with, or any progress reports on the requirements contained in any compliance schedule of the permit to Ohio EPA no later than 14 days following each scheduled date, unless otherwise specified? [Condition A.19.] — Yes___ No___ N/A ✓ RMK#___

4. Has the permittee furnished relevant information which Ohio EPA has requested to determine whether cause exists for modifying, revising, revoking or suspending the permit, or to determine compliance with the permit? [Condition A.10] — Yes___ No___ N/A ✓ RMK#___

5. Has the facility furnished Ohio EPA, upon request, with copies of records required to be kept by the permit? [Condition A.10] — Yes___ No___ N/A ✓ RMK#___

6. Has the permittee become aware that it failed to submit any relevant facts in the permit or issuance proceedings or that it submitted incorrect or incomplete information in permit issuance proceedings or other submissions to Ohio EPA or the HWFB? If so, — Yes___ No___ N/A ✓ RMK#___

a. Has the permittee promptly submitted such facts or corrected information to the appropriate entity? [Condition A.24.] — Yes__No__ N/A X RMK#__

7. Is the permittee maintaining records of all data used to complete the approved application and any amendments, supplements, revisions or modifications to the application? [Condition A.14.(c)] — Yes X No__ N/A __RMK#__

8. Is the permittee retaining a complete copy of the approved application on-site? [Condition A.14.(c)] — Yes X No__ N/A __RMK#__

REMARKS

SITE ENTRY - AVAILABILITY OF RECORDS

1. As specified in Condition A.11., has the permittee allowed the director or an authorized representative, upon proper identification and upon stating the purpose and necessity of an inspection, to:

   a. Enter at reasonable times upon the premises where a regulated activity is located or where records are kept under the conditions of the permit? Yes_Y_No___ N/A ___RMK#___

   b. Have access to and copy any records required to be kept under the conditions of the permit? Yes_Y_No___ N/A ___RMK#___

   c. Inspect at reasonable times facilities, equipment (including control and monitoring equipment), practices or other operations regulated under the conditions of the permit? Yes_Y_No___ N/A ___RMK#___

   d. Sample, document, or monitor any substance or parameter at any location of the facility to assure compliance with the permit or as otherwise authorized by R.C. Chapter 3734. and the rules adopted thereunder? Yes_Y_No___ N/A ___RMK#___

RECORDKEEPING REQUIREMENTS

CONFIDENTIALITY

1. Has the permittee requested confidentiality of any information of the permit in accordance with R.C. Chapter 3734 and the rules adopted thereunder? [Condition A.25.] Yes___No_Y_N/A ___RMK#___

OPERATING RECORD

2. Is the permittee maintaining a written operating record at the facility as set forth in OAC rule 3745-54-73 and Condition B.22. of the permit which contains the following elements:

a. A description and the quantity of each hazardous waste received? Yes X No___ N/A ___RMK#___

b. Method(s) and date(s) of treatment, storage or disposal at the facility? Yes X No___ N/A ___RMK#___

c. The location of each hazardous waste within the facility and the quantity at each location? Yes X No___ N/A ___RMK#___

3. Is the permittee maintaining, until closure is complete and certified, the following documents and amendments, revisions and modifications to these documents as part of its operating record: [Condition A.28.]

a. Waste analysis plan in accordance with OAC rule 3745-54-13 and the conditions of the permit? Yes X No___ N/A ___RMK#___

b. Contingency plan in accordance with OAC rule 3745-54-53 and the conditions of the permit? Yes X No___ N/A ___RMK#___

c. Closure plan in accordance with OAC rule 3745-55-12 and the conditions of the permit? Yes X No___ N/A ___RMK#___

d. Personnel training plan and records required by OAC rule 3745-54-16 and the conditions of the permit? Yes X No___ N/A ___RMK#___

e. Inspection schedules developed in accordance with OAC rules 3745-54-15 and 3745-55-74 and the conditions of the permit? Yes X No___ N/A ___RMK#___

4. Have any of the documents identified in Question #3 been revised as required by the permit? If so, Yes X No___ N/A ___RMK#___

a. Has the permittee submitted the revisions to Ohio EPA? [Condition A.28.(b)] Yes X No___ N/A ___RMK#___

b. Has the permittee received approval in accordance with Ohio hazardous waste rules to make such changes? [Condition A.28.(b)] Yes X No___ N/A ___RMK#___

5. Is the permittee maintaining copies of all inspection logs at the facility for a period of at least three years from the date of inspection? [Condition A.28.(c)] Yes X No___ N/A ___RMK#___

ANNUAL REPORT REQUIREMENT

6. Is the permittee complying with annual report requirements set forth in OAC rule 3745-54-75 and the additional report requirements set forth in OAC rule 3745-54-77 and the conditions of the permit? [Condition B.25.] Yes X No___ N/A ___RMK#___

SAMPLING/MONITORING RECORDKEEPING REQUIREMENTS

7. In compliance with Condition A.12.(b) of the permit, do the permittee's records of monitoring information specify the:

   a. Date(s), exact place(s), time(s) and method(s) of sampling or measurement? Yes X No___ N/A ___RMK#___

   b. Individual(s) who performed the sampling or measurement? Yes X No___ N/A ___RMK#___

   c. Date(s) analyses were performed? Yes X No___ N/A ___RMK#___

   d. Individual(s) who performed the analyses? Yes X No___ N/A ___RMK#___

   e. Analytical technique(s) or method(s) used? Yes X No___ N/A ___RMK#___

   f. Results of such analyses? Yes X No___ N/A ___RMK#___

8. Have the methods used to obtain a representative sample of the waste to be analyzed included the appropriate SW-846 Method or an equivalent method specified in the approved waste analysis plan? [Condition A.12.(a)] Yes X No___ N/A ___RMK#___

9. Has Ohio EPA requested submittal of any reports or other information required by the conditions of the permit from the permittee? If so, Yes X No___ N/A ___RMK#___

   a. Have the submittals been signed and certified according to OAC rules 3745-50-58(K) and 3745-50-42? [Condition A.13.] Yes X No___ N/A ___RMK#___

WASTE MINIMIZATION REQUIREMENTS

10. Has the permittee submitted a Waste Minimization Report to Ohio EPA meeting the requirements of Condition A.29. of the permit within 180 days of permit journalization? Yes_X_No___ N/A ___RMK#___

    a. Following the first submittal as identified above in Question #10, has the permittee submitted biennial updates to this report as required by Condition A.29.(c)? Yes_X_No___ N/A ___RMK#___

REMARKS

OFF-SITE SHIPMENTS/MANIFEST REQUIREMENTS

1. Is all hazardous and mixed waste transported from the facility by a properly registered transporter of hazardous and mixed waste in accordance with all applicable laws, rules and standards? [Condition A.16.] Transporter not sign manifest — Yes__No X N/A ___RMK#___

MANIFEST REQUIREMENTS/WASTES RECEIVED ON-SITE

2. Upon receipt of the manifests, has the permittee signed and dated each copy of the manifest? [OAC 3745-54-71(A)(1); Condition B.24.] — Yes X No__ N/A ___RMK#___

3. For any significant discrepancies identified upon receipt of the manifest(s): did the permittee note such discrepancies on the manifest(s) in accordance with OAC rule 3745-54-71(A)(2) and Condition B.24? — Yes__No__ N/A X RMK#__

   a. Did the permittee attempt to reconcile the discrepancy? [Condition B.24.] — Yes__No__ N/A X RMK#__

   b. If the discrepancy was not resolved within 15 days: did the permittee submit a report, including a copy of the manifest, to the director in accordance with OAC rule 3745-54-72(B)? [Condition B.24.] — Yes__No__ N/A X RMK#__

4. Does the permittee immediately give the transporter at least one copy of the signed manifest? [OAC 3745-54-71(A)(3); Condition B.24.] — Yes X No__ N/A ___RMK#___

5. Does the permittee provide the generator with a copy of the manifest within 30 days of receipt of waste on-site? [OAC 3745-54-71(A)(4); Condition B.24.] — Yes X No__ N/A ___RMK#___

6. Does the permittee retain a copy of each manifest on-site for at least three years from the date of delivery? [OAC 3745-54-71(A)(5); Condition B.24.] — Yes X No__ N/A ___RMK#___

7. Has the permittee received any hazardous waste or mixed waste from off-site, other than as described in Condition B.2(b)? — Yes X No__ N/A ___RMK#___

WASTE ANALYSIS/WASTE ANALYSIS PLAN

GENERAL REQUIREMENTS

1. Does the permittee have a detailed chemical and physical analysis of waste streams which contains all information which is necessary to properly treat, store or dispose of the waste in accordance with OAC Chapters 3745-54 to 3745-57 and Condition B.3 of the permit (Section C of the approved permit application)? [OAC 3745-54-13(A)(1)] — Yes X No___ N/A ___RMK#___

2. Since the last inspection, were any wastes generated by the facility which were unable to be characterized through process knowledge? If so, — Yes___ No X N/A ___RMK#___

   a. Were the waste analysis procedures described in Section C of the approved permit application followed? — Yes___ No___ N/A X RMK#___

3. Is the permittee following the procedures described in the approved waste analysis plan (Section C of approved permit application) and the requirements of OAC rule 3745-54-13? [Condition B.3.] — Yes X No___ N/A ___RMK#___

4. Is the permittee maintaining waste analysis data in the facility's operating record as required by OAC rule 3745-54-73 and Condition B.22. of the permit? — Yes X No___ N/A ___RMK#___

WASTE ANALYSIS QUALITY ASSURANCE REQUIREMENTS

5. Is the permittee verifying the analysis of each waste stream annually as part of its quality assurance program in accordance with SW-846? [Condition B.3.] — Yes X No___ N/A ___RMK#__

6. In accordance with Condition B.3. of the permit, does the permittee's quality assurance plan ensure that the permittee is, at a minimum:

   a. Maintaining property functional instruments? — Yes X No___ N/A ___RMK#___

   b. Using approved sampling/analytical methods? — Yes X No___ N/A ___RMK#___

c. Verifying the validity of sampling and analytical procedures and performance of correct calculations? Yes✓ No___ N/A ___RMK#___

7. If the permittee uses a contract laboratory to perform analyses, did the permittee inform the laboratory in writing that it must operate under the waste analysis conditions set forth in this permit? on-site off-site Yes___ No✓ N/A ___RMK#___

REMARKS

GENERAL INSPECTION REQUIREMENTS

1. Is the permittee following the inspection procedures and schedules described in Section F of the approved permit application and the requirements of OAC rule 3745-54-15? [Condition B.5.] — Yes X No___ N/A ___ RMK#___

2. Does the permittee inspect the facility with such regularity as to identify problems resulting from deterioration, malfunctions, operator errors or discharges which may lead to a release of hazardous waste to the environment or a threat to human health? [OAC 3745-54-15(A)(1)(2)] — Yes X No___ N/A ___ RMK#___

3. Is the permittee following the approved inspection schedule for inspecting: monitoring equipment, safety equipment, emergency equipment, security devices and operating and structural equipment as specified in OAC rule 3745-54-15? — Yes X No___ N/A ___ RMK#___

   a. Is the schedule kept at the facility? [OAC 3745-54-15(B)(2)] — Yes X No___ N/A ___ RMK#___

   b. Does the schedule identify the types of problems which are to be looked for during the inspection? [OAC 3745-54-15(B)(3)] — Yes X No___ N/A ___ RMK#___

   c. Does the schedule include inspection of areas subject to spills daily when in use and according to other applicable regulations when not in use? [OAC 3745-54-15(B)(4)] — Yes X No___ N/A ___ RMK#___

4. Does the permittee remedy deterioration or any malfunctions discovered by an inspection as required by OAC rule 3745-54-15(C)? [Condition B.5.] — Yes X No___ N/A ___ RMK#___

5. Is the permittee maintaining records of inspections for a minimum of three years? [Condition B.5.] — Yes X No___ N/A ___ RMK#___

6. In accordance with OAC rule 3745-54-15(D) and Condition B.5. of the permit, do inspection records contain the following information:

   a. Date and time of inspection? — Yes X No___ N/A ___ RMK#___

b. Signature of inspector? Yes_Y_No___ N/A ___RMK#___

c. Notation of observations made? Yes_Y_No___ N/A ___RMK#___

d. Date/nature of any repairs or other remedial actions? Yes_Y_No___ N/A ___RMK#___

SECURITY PROVISIONS/FACILITY OPERATION

1. Is the permittee complying with the security provisions of OAC rule 3745-54-14(B)(1) and B(2) and (C) and Section F of the approved permit application, including the following: [Condition B.4.]

   a. Does the permittee have a 24-hour surveillance system which continuously monitors and controls entry onto the active portion of the facility; Yes_Y_No___ N/A ___RMK#___

   b. An artificial or natural barrier (in good repair) which completely surrounds the active portion of the facility; or Yes_Y_No___ N/A ___RMK#___

   c. A means to control entry, at all times, through gates or other entrances, to the active portion of the facility? Yes_Y_No___ N/A ___RMK#___

2. In accordance with OAC rule 3445-54-14(C), does the permittee have signs reading ADanger-Unauthorized Personnel Keep Out@ posted at each entrance and at other locations and in sufficient numbers to be seen when approaching the active portion of the facility? [Condition B.4.] Yes_Y_No___ N/A ___RMK#___

3. Is construction, maintenance and operation of the facility being conducted to minimize the possibility of a fire, explosion, or unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, ground or surface waters? [Condition B.1.] Yes_Y_No___ N/A ___RMK#___

PERSONNEL TRAINING

1. Is the facility conducting personnel training in accordance with Section H of the approved permit application and the following requirements of OAC rule 3745-54-16: [Condition B.6.]

   a. The facility provides personnel training which includes instruction in safe equipment operation and emergency procedures and implementation of the contingency plan? [OAC 3745-54-16(A)(B)(C)] — Yes X No___ N/A ___RMK#___

   b. The facility provides personnel training to new employees within six months after their date of employment as required by OAC 3745-54-16(B)? — Yes X No___ N/A ___RMK#___

   c. The facility provides an annual refresher training course as required by OAC rule 3745-54-16(B)? — Yes X No__ N/A ___RMK#__

2. Is the permittee maintaining personnel training records as required by OAC rule 3745-54-16(D) and of the approved application, including: written job titles, job descriptions and documented employee training records? [Condition B.6.] — Yes X No___ N/A ___RMK#___

REQUIRED EQUIPMENT

1. Is the permittee, at a minimum, maintaining the equipment set forth in the approved permit application (Section G) at the facility? [Condition B.9.] — Yes X No___ N/A ___RMK#___

2. Is the permittee inspecting, testing, and maintaining the equipment specified in Question #1 to assure its proper operation as specified in OAC rule 3745-54-33, the inspection plans and Section G of the approved permit application? [Condition B.10.] — Yes X No___ N/A ___RMK#___

3. Whenever hazardous waste is being managed at the facility, has the permittee provided all personnel involved in the operation with immediate access to an internal alarm or emergency communication device as required by OAC rule 3745-54-34 and Section G of the approved permit application? [Condition B.11.] — Yes X No___ N/A ___RMK#___

CONTINGENCY PLAN REQUIREMENTS

EMERGENCY PROCEDURES

1. In compliance with Condition B.13.(a) of the permit, does the permittee:

   a. Familiarize the emergency response agencies likely to respond to an emergency at the facility with:

      i. The location and layout of the facility? Yes ✓ No__ N/A ___RMK#___

      ii. Properties of hazardous waste and mixed waste managed at the facility and associated hazards? Yes ✓ No__ N/A ___RMK#___

      iii. Places where facility personnel will normally be working? Yes ✓ No__ N/A ___RMK#___

      iv. Entrances to and roads inside the facility? Yes ✓ No__ N/A ___RMK#___

      v. Evacuation routes as depicted in Section G of the permit application? Yes ✓ No__ N/A ___RMK#___

   b. Inform emergency response agencies of safety equipment, supplies, proper emergency procedures that are applicable to the facility, and any further requirements imposed by the permit?; and Yes ✓ No__ N/A ___RMK#___

   c. Familiarize local police and fire departments, local hospitals and other local emergency services with the properties of hazardous waste and mixed waste managed at the facility and the types of injuries which could result from fires, explosions or a release of hazardous wastes at the facility? Yes ✓ No__ N/A ___RMK#___

2. Is the permittee in compliance with the requirements of OAC rule 3745-54-56 and Section G of the approved permit application regarding emergency procedures? [Condition B.20.] Yes ✓ No__ N/A ___RMK#__

EMERGENCY AUTHORITIES

3. Has a state or local agency declined to enter into the arrangements set forth in OAC rule 3745-54-37(A)? If so, — Yes X No__ N/A ___RMK#___

   a. Has the permittee documented the refusal in the operating record as required by OAC rule 3745-54-37(B)? [Condition B.13.(b)] — Yes__No___ N/A X RMK#___

4. Has the permittee, in accordance with OAC rule 3745-54-53 submitted a copy of the approved contingency plan (including amendments, revisions or changes) to all local authorities, agencies and response contractors designated in the approved contingency plan? [Condition B.18.] — Yes X No___ N/A ___RMK#___

5. Has the permittee notified the agencies in Question #4, in writing, within ten days of the effective date of any amendments or revisions to the Plan? [Condition B.18.(b)] — Yes X No___ N/A ___RMK#___

6. Has the permittee submitted a copy of the approved contingency plan and all revisions, amendments and modifications to the Ohio EPA, Division of Emergency and Remedial Response in accordance with OAC rule 3745-54-53? [Condition B.18.(c)] — Yes X No___ N/A ___RMK#___

EMERGENCY COORDINATOR

7. Is the permittee in compliance with the requirements of OAC rule 3745-54-55 with regard to the emergency coordinator? [Condition B.19.] DANNY NICHOLS. — Yes X No___ N/A ___RMK#___

AMENDMENT OF PLAN

8. Is the permittee reviewing the approved contingency plan regularly and amending the plan immediately if needed in compliance with OAC rule 3745-54-54? [Condition B.17.] — Yes X No___ N/A ___RMK#___

Note: *Also see Question #4 of RECORDKEEPING REQUIREMENTS to verify that any changes to the contingency plan were submitted in accordance with OAC rule 3745-50-51.*

IMPLEMENTATION OF PLAN

9. Has there been a fire, explosion or release of hazardous waste or mixed waste or constituents at the facility since the last date of inspection as described by Condition B.14. of the permit? If so, — Yes X No__ N/A ___RMK#__

   a. Did the permittee immediately implement the approved contingency plan and follow the emergency procedures described in OAC rule 3745-54-56? [Condition B.14.] — Yes__ No X N/A __RMK#__

   b. Did the permittee collect and manage released material, emergency response material and by-products as hazardous waste or mixed waste until making a demonstration to Ohio EPA that such materials are not subject to Ohio hazardous waste rules? [Condition B.16.] — Yes__ No__ N/A X RMK#__

   c. Within 15 days of the incident did the permittee submit, to the director, a written report of the incident? If so, — Yes__ No__ N/A X RMK#__

      i. Did the report contain the elements set forth in OAC rule 3745-54-56(J)? [Condition B.23.] ***Note:*** *See also Conditions A.21. and A.22. of the permit for additional reporting/recordkeeping requirements.* — Yes__ No__ N/A X RMK#__

   d. Did the permittee note in the operating record the time, date and details of any incident that required the implementation of the approved contingency plan? [Condition B.23.] — Yes__ No__ N/A X RMK#__

REMARKS

CLOSURE PLAN/AMENDMENT – proof plan

1. Is the permittee maintaining at the facility, the approved closure plan which contains the elements set forth in OAC rule 3745-55-12? [Condition B.29.] — Yes X No___ N/A ___RMK#___

2. Has the permittee amended the closure plan? If so, — Yes X No___ N/A ___RMK#___

   a. Has the plan been amended in accordance with OAC rule 3745-55-12(C)? [Condition B.28.] — Yes X No___ N/A ___RMK#___

NOTE: *Also see RECORDKEEPING REQUIREMENTS (Question #4) in order to verify that any changes to the closure plan were submitted in accordance with OAC rule 3745-50-51.*

CLOSURE ACTIVITIES

3. Has the permittee closed the facility? If so, — Yes___ No X N/A ___RMK#___

   a. Was closure conducted in accordance with the closure performance standard of OAC rule 3745-55-11? [Condition B.26.] — Yes___ No___ N/A X RMK#___

   b. Did the permittee carry-out the approved closure plan as set forth in the permit application and terms and conditions of the permit? [Condition B.26.] — Yes___ No___ N/A X RMK#___

   c. After receiving the final volume of hazardous waste, did the permittee remove from the facility all hazardous waste and mixed waste and complete closure activities in accordance with the schedule specified in the approved closure plan and as required by OAC rule 3745-55-13? [Condition B.31.] — Yes___ No___ N/A X RMK#___

   d. Has the permittee decontaminated and/or disposed of all facility equipment, structures and soils as required by OAC rule 3745-55-14 and the approved closure plan? [Condition B.32.] — Yes___ No___ N/A X RMK#___

   e. Did the permittee notify Ohio EPA's Southeast District Office within five working days prior to all rinseate and soil sampling? [Condition B.32.(b)] — Yes___ No___ N/A X RMK#___

   f. Has the permittee certified that the facility has been closed in accordance with the specifications in the approved closure plan as required by OAC rule 3745-55-15? [Condition B.33.] — Yes___ No___ N/A X RMK#___

REMARKS

REQUIREMENTS FOR IGNITABLE, REACTIVE OR INCOMPATIBLE WASTES

1. Is the permittee following the procedures as specified in OAC rules 3745-54-17, 3745-55-77 and Section F of the approved application when managing ignitable, reactive and/or incompatible wastes? [Conditions B.7.(a) and C.10. and C.11.] — Yes X No___ N/A ___RMK#___

2. Does the permittee ***not*** store incompatible waste ***except*** in accordance with OAC rules 3745-54-17(B) and 3745-55-77, and the terms and conditions of this permit? [Condition C.11.(a)] — Yes X No___ N/A ___RMK#___

3. Does the permittee take precautions to prevent placing hazardous waste or mixed waste in an unwashed container that previously held an incompatible waste or material? [Condition C.11.(b)] — Yes X No___ N/A ___RMK#___

4. Does the permittee ensure that all containers of incompatible wastes are physically separated from other incompatible wastes or materials by a wall, berm, dike, or other device in accordance with OAC rule 3745-55-77 and the Appendix to OAC rule 3745-55-99? [Condition C.11.(c)] — Yes X No___ N/A ___RMK#___

   a. Are all containers of aqueous hazardous acids (ph $\leq$ 2) and caustics ph $\geq$ 12.5) sorted on different pallets and physically separated in different rooms? [Condition C.11.(c)] — Yes X No___ N/A ___RMK#___

   b. Are aqueous acids and caustics in poly bottles, and other containers requiring nuclear criticality safety spacing physically separated in the same room by a dike? [Condition C.11.(c)] — Yes X No___ N/A ___RMK#___

   c. Are containers of cyanides and sodium metals being stored in rooms physically separate from other incompatible wastes or other incompatible materials? [Condition C.11.(c)] — Yes X No___ N/A ___RMK#___

5. Does the permittee provide electrical grounding for all containers, tanks and transport vehicles during all operations involving the handling of flammable and/or combustible wastes? [Condition B.7.(b)] Yes ✓ No___ N/A ___RMK#___

6. Does the permittee provide and require the use of spark proof tools during all operations involving the handling of flammable and/or combustible wastes? [Condition B.7.(c)] Yes ✓ No___ N/A ___RMK#___

7. Does the permittee prohibit smoking and open flames in areas where hazardous wastes are managed and post appropriate signs? [Condition B.7.(d)] Yes ✓ No___ N/A ___RMK#___

8. As required by OAC rule 3745-55-76, does the permittee store containers of ignitable or reactive wastes greater than 15 meters (50 feet) away from the Portsmouth Gaseous Diffusion Plant reservation boundary? [Condition C.10.(a)] Yes ✓ No___ N/A ___RMK#___

REMARKS

STORAGE OF HAZARDOUS WASTES IN CONTAINERS

NOTE: *The requirements of permit Condition C do not apply to the permittee's activities as a generator accumulating hazardous waste for < 90 days per OAC rule 3745-52-34(A). Please complete the applicable sections of the Generator Requirements checklist to document compliance with activities associated with < 90-day accumulation of wastes.*

1. Is the permittee storing in containers, only those wastes as specified in Section A of the Part B permit application? [Condition C.1.(a), C.2.] — Yes X No___ N/A ___RMK#___

2. Does the permittee limit the total quantity of containerized waste in the container storage area to 133,000 gallons at any given time in the permitted container areas, located in building X-326? [Condition C.1.(a)] — Yes X No___ N/A ___RMK#___

NOTE: *For the purposes of compliance with the capacity limitation of the permit, each container will be considered to be storing an amount of hazardous waste equal to its capacity. For example, a 55-gallon drum will be considered to be holding 55 gallons of waste, regardless of the actual quantity stored in the drum. [Condition C.1.(b)]*

3. When accumulating waste within the permitted X-326 container storage area, does the permittee ensure that the total amount of waste (both > 90 days and < 90 days) does not exceed the maximum container storage inventory established under Condition C.1.? [Condition C.1.(c)] — Yes X No___ N/A ___RMK#___

4. Are hazardous wastes subject to regulation by the permit stored only at the designated container storage area described in the approved permit application? (See Section D of the permit application) [Condition C.1.(a)] — Yes X No___ N/A ___RMK#___

5. Is each container stored clearly marked to identify its contents and the date each period of accumulation/storage begins? (See Section D of the permit application) [Condition C.3.] — Yes X No___ N/A ___RMK#___

6. Does the permittee store hazardous waste in the types of containers described in Section D of the approved permit application? [Condition C.1.(a)] — Yes X No___ N/A ___RMK#___

CONDITION OF CONTAINERS

8. Are containers holding hazardous wastes in good condition? [Condition C.3.] — Yes X No___ N/A ___RMK#___

   a. If not, (e.g., severe rusting, structural defects) did the permittee transfer the hazardous waste from such a container to a container that is in good condition or otherwise manage the waste in a manner that complies with the conditions of the permit and OAC rule 3745-55-71? [Condition C.3.] — Yes___No__ N/A X RMK#___

9. Does the permittee ensure that all containers used at the facility are compatible with the hazardous waste to be stored in them as required by OAC rule 3745-55-72? [Condition C.4.] — Yes X No___ N/A ___RMK#___

10. Is storage conducted in the container storage containment system as described in Condition C.1. of the permit and Section D of the approved permit application? [Condition C.5.(a)] — Yes X No___ N/A ___RMK#___

11. Does the permittee keep all containers closed during storage except when it is necessary to add or remove waste as required by OAC rule 3745-55-73? [Condition C.5.(b)] — Yes X No___ N/A ___RMK#___

12. Are lab-pack wastes handled in compliance with applicable storage requirements? [Condition C.5.(c)] — Yes X No___ N/A ___RMK#___

13. Are lab-pack wastes packaged in drums containing absorbent material that is compatible with the wastes? [Condition C.5.(d)] — Yes X No___ N/A ___RMK#___

INSPECTIONS

14. Is the permittee inspecting the container area weekly in accordance with OAC rules 3745-54-15, and 3745-54-73 and the approved inspection schedule (Section F) to detect leaking containers and deterioration of containers and the containment system? [Condition C.8.] — Yes X No___ N/A ___RMK#___

a. Does the permittee note the results of these inspections in the inspection log along with any remedial action taken? [Condition C.8.] — Yes X No___ N/A ___RMK#___

b. On days when containerized waste are added or removed to and/or from any of the permitted areas for storage, does the permittee conduct inspections as described in Section F of the approved Part B permit application and maintain the inspection results in the facility operating record? [Condition C.8.] — Yes X No___ N/A ___RMK#___

CONTAINMENT SYSTEM

15. Does the permittee maintain the containment system as described in Section D of the approved Part B permit application, including: [Condition C.6.] — Yes X No___ N/A ___RMK#___

    a. Sufficient design to contain 10% of the total volume of the containers or the volume of the largest container, whichever is greater? [Condition C.6.(b)] — Yes X No___ N/A ___RMK#___

    b. A system which is free of gaps and sufficiently impervious to contain leaks and spills? — Yes X No___ N/A ___RMK#___

    c. Equipped with a coating which is compatible with each waste stored in the area? — Yes X No___ N/A ___RMK#___

    d. *For those wastes which are deemed incompatible with liner material:* Has the permittee installed a separate secondary containment structure within the existing structure which is equipped with a compatible liner? — Yes X No___ N/A __RMK#__

16. Has the permittee had a spill or leak of wastes or an accumulation of precipitation in the containment system? If so, — Yes___ No X N/A ___RMK#___

    a. Are spilled or leaked wastes and accumulated precipitation removed from the sump or collection area in a timely manner? [Condition C.6.(c)] — Yes___ No___ N/A X RMK#__

    b. Does removal of spilled/leaked wastes and accumulated precipitation occur within 24 hours from the time the spill or leak waste is discovered? [Condition C.6.(c)] — Yes___ No___ N/A X RMK#__

REQUIRED AISLE SPACE

17. Is the permittee maintaining aisle space to allow unobstructed movement of personnel, fire protection equipment, spill control equipment and decontamination equipment in the event of an emergency to any area of the facility as required by OAC rule 3745-54-35? [Condition B.12.] Yes X No___ N/A ___RMK#___

CLOSURE AND POST-CLOSURE

18. At closure of the container storage area, did the permittee remove all hazardous waste, hazardous waste residues, mixed waste and mixed waste residues from the containment system, in accordance with the procedures set forth in the approved closure plan (Section I of the permit application)? [Condition C.13.(a)] Yes___No___ N/A X RMK#___

19. During closure, if the permittee could not demonstrate that all contaminated soils could be removed, did the permittee close the unit and perform post-closure care following a plan approved by Ohio EPA? [Condition C.13.(b)] Yes___No___ N/A X RMK#___

CONTAINER STORAGE OF RESIDUAL WASTE

20. Is the permittee complying with the provisions of Section C-2E of the application as amended pursuant to Condition B.2.(b) of this permit? Yes X No___ N/A ___RMK#__

LAND DISPOSAL RESTRICTION REQUIREMENTS
PROHIBITION AGAINST DILUTION

1. Has the permittee updated the annual Federal Facility Compliance Act Schedule? [OAC rule 3745-270-50; Condition B.36.] — Yes X No___ N/A ___ RMK#___

2. Does the entity dilute a restricted waste or a treatment residue from a restricted waste: [OAC rule 3745-270-40 through 49; Condition B.36.(c)] — Yes___ No X N/A ___ RMK#___

   a. As a substitute for adequate treatment to achieve compliance with LDR treatment standards? — Yes___ No___ N/A X RMK#___

   b. To circumvent the effective date of a prohibition (e.g., to dilute a non-wastewater waste to a wastewater to avoid complying with the non-wastewater treatment standard)? — Yes___ No___ N/A X RMK#___

   c. To otherwise avoid a prohibition in OAC rule 3745-270-30 through -39? — Yes___ No___ N/A X RMK#___

   d. To otherwise avoid a prohibition imposed by Section 3004(d) of RCRA? — Yes___ No___ N/A X RMK#___

NOTE: *If the answer to any of Questions 2(a) through 2(d) above is yes, the entity is impermissibly diluting a restricted waste and is in violation of OAC rule 3745-270-03 [Condition B.36.]. Dilution of wastes is permissible under some conditions. See OAC rule 3745-270-03(B).*

GENERATOR REQUIREMENTS

3. Has the generator adequately evaluated all wastes to determine if they are restricted from land disposal? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes X No___ N/A ___ RMK#_

   a. ***For determinations based solely on knowledge of the waste:*** Is supporting data used to make this determination being retained on-site? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes X No___ N/A ___ RMK#___

b. ***For determinations based upon analytical testing***: Is a copy of waste analysis data being retained on-site? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes X No___ N/A ___RMK#___

4. Has the generator determined the correct treatability group for each waste restricted from land disposal (e.g., wastewater, non-wastewater, high arsenic, low arsenic, high zinc, low zinc, etc.)? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes X No___ N/A ___RMK#___

5. Has the generator correctly determined if restricted wastes meet or exceed treatment standards? [OAC rule 3745-270-07(A); Condition B.36.(e)] — Yes X No___ N/A ___RMK#___

6. Does the entity generate any listed waste(s) which are restricted from land disposal? If so, — Yes X No___ N/A ___RMK#___

   a. Do such wastes also exhibit hazardous waste characteristics as identified in OAC rules 3745-51-20 to 3745-51-24? — Yes X No___ N/A ___RMK#___

   b. ***For listed wastes which also exhibit a characteristic***: Does the generator also identify the appropriate treatment standard for the constituent(s) which cause the waste to exhibit the characteristic(s)? [OAC rule 3745-270-09(A)] — Yes X No___ N/A ___RMK#___

NOTE: *The generator is not required to identify the treatment standard for the characteristic if the listing covers the associated characteristic (e.g., a F019/D007 hazardous waste - F019 being listed due to chromium content and D007 being the characteristic waste code for chromium). [See OAC rule 3745-270-09(B)].*

NOTIFICATION/CERTIFICATION

7. ***For wastes that do not meet treatment standards:*** Has the generator submitted a one-time written notice to the treatment/storage facility receiving the wastes, that wastes being received do not meet treatment standards? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] — Yes X No___ N/A ___RMK#___

   If so, does the notice including the following:

   a. EPA hazardous waste number? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] — Yes X No___ N/A ___RMK#___

b. Appropriate treatment standard for the waste? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes_✓_No___ N/A ___RMK#___

c. The manifest number associated with the first shipment of waste? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes_✓_No___ N/A ___RMK#___

d. Waste analysis data, where available? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes_✓_No___ N/A ___RMK#___

e. Applicable wastewater/non-wastewater category [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes_✓_No___ N/A ___RMK#___

f. For hazardous debris, list the contaminants subject to treatment, as described in paragraph (B) of OAC rule 3745-270-45; and an indication that these contaminants are being treated to comply with OAC rule 3745-270-45. Yes_✓_No___ N/A ___RMK#___

g. For contaminated soil list the constituents subject to treatment as described in paragraph (D) of OAC rule 3745-270-49, and the following statement: 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 in paragraph (C) of OAC rule 3745-270-49 or the universal treatment standards. Yes_✓_No___ N/A ___RMK#___

8. ***For wastes that meet treatment standards:*** Does the generator submit a one-time written notice and certification to the treatment, storage or disposal facility receiving the wastes stating wastes being received meet applicable treatment standards? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes_✓_No___ N/A __RMK#___

If so, does the notice/certification including the following:

a. EPA hazardous waste identification number? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes_✓_No___ N/A __RMK#___

b. The corresponding treatment standards and applicable prohibitions for the waste? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes_✓_No___ N/A __RMK#___

c. The manifest number associated with the shipment of waste? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] — Yes_✓_No___ N/A __RMK#___

d. Waste analysis data, where available? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] — Yes_✓_No___ N/A __RMK#___

e. Is the certification signed by the generator or an authorized representative? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] — Yes_✓_No___ N/A __RMK#___

f. For contaminated soil list the constituents subject to treatment as described as described in paragraph (D) of OAC rule 3745-270-49, and the following statement: 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 in paragraph (C) of OAC rule 3745-270-49 or the universal treatment standards. — Yes_✓_No___ N/A __RMK#___

9. Does the generator retain on-site a copy of all notices, certifications, demonstrations and waste analysis data for at least three years? [OAC rule 3745-270-07(A)(8); Condition B.36.(j)] — Yes_✓_No___ N/A ___RMK#___

STORAGE OF LAND DISPOSAL RESTRICTED WASTES

NOTE: *The following questions apply to operators of treatment, storage or disposal (TSD) facilities that accumulate LDR wastes that do not meet treatment standards in tanks or containers. A LQG who stores LDR wastes on-site for greater than 90 days becomes a operator of a storage facility and must comply with all applicable TSD requirements. SQGs become owners/operators of storage facilities if storage of LDR wastes exceeds 6,000 kg. or 180/270 days.*

NOTE: *The LDR storage prohibition does not apply to wastes which are subject to a national capacity variance, variance from the treatment standard or case-by-case extension during the period of extension/variance. The LDR storage prohibition also does not apply to wastes subject to a no-migration petition or to wastes which meet treatment standards. [OAC rule 3745-270-50(E); 40 CFR 268.50(e)]*

10. Is the owner/operator storing LDR restricted wastes in containers? If so, is each container marked with the following information in accordance with OAC rule 3745-270-50(A)(2)(a) [Condition B.36(l)] — Yes_✓_No___ N/A ___RMK#___

a. The identification of the contents? — Yes_✓_No___ N/A ___RMK#___

b. The date which accumulation began?

NOTE: *A TSD facility may store LDR wastes on-site for the purpose of accumulating a sufficient amount of waste for proper recovery, treatment or disposal. [OAC rule 3745-270-50(B)]. During the first of storage, the burden of proof is on Ohio EPA to demonstrate that such storage is not necessary by the facility. Following one year, the burden of proof shifts to the storage facility to demonstrate that such storage of LDR wastes is necessary to facilitate proper recovery, treatment or disposal.*

11. Are LDR wastes being stored at the facility for greater than one year? If so,

    a. Has the owner/operator demonstrated that such storage is being conducted solely for the purpose of accumulating sufficient quantities of wastes necessary to facilitate proper recovery, treatment or disposal? [OAC rule 3745-270-50(B); Condition B.36(m)]

    Yes_X_No___ N/A ___RMK#___

LARGE QUANTITY GENERATOR REQUIREMENTS
COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY

CESQG: ≤100 Kg. (Approximately 25-30 gallons) of waste in a calendar month or < 1 Kg. of acutely hazardous waste.
SQG: Between 100 and 1,000 Kg. (About 25 to under 300 gallons) of waste in a calendar month.
LQG: ≥ 1,000 Kg. (~300 gallons) of waste in a calendar month or ≥1 Kg. of acutely hazardous waste in a calendar month.
NOTE: To convert from gallons to pounds: Amount in gallons x Specific Gravity x 8.345 = Amounts in pounds.

Safety Equipment Used:

GENERAL REQUIREMENTS

1.	Have all wastes generated at the facility been adequately evaluated? [3745-52-11]		Yes ☒ No ☐ N/A ☐
2.	Are records of waste determination being kept for at least 3 years? [3745-52-40(C)]		Yes ☒ No ☐ N/A ☐
3.	Has the generator obtained a U.S. EPA identification number? [3745-52-12]		Yes ☒ No ☐ N/A ☐
4.	Were annual reports filed with Ohio EPA on or before March 1st? [3745-52-41(A)]		Yes ☒ No ☐ N/A ☐
5.	Are annual reports kept on file for at least 3 years? [3745-52-40(B)]		Yes ☒ No ☐ N/A ☐
6.	Has the generator transported or caused to be transported hazardous waste to **other** than a facility authorized to manage the hazardous waste? [ORC 3734.02(F)]		Yes ☐ No ☒ N/A ☐
7.	Has the generator disposed of hazardous waste **on-site without a permit** or at another facility **other** than a facility authorized to dispose of the hazardous waste? [ORC 3734.02(E)&(F)]		Yes ☐ No ☒ N/A ☐
8.	Does the generator accumulate hazardous waste?		Yes ☒ No ☐ N/A ☐
NOTE: If the LQG does not accumulate or treat hazardous waste, it is not subject to 52-34 standards. All other requirements still apply, e.g., annual reports, manifest, marking, record keeping, LDR, etc.			
9.	Has the generator accumulated hazardous waste on-site in excess of 90 days without a permit or an extension from the director ORC §3734.02(E)&(F)?		Yes ☐ No ☒ N/A ☐
NOTE: If F006 waste is generated and accumulated for > 90 days and is recycled see 3745-52-34(G)&(H).			
10.	Does the generator treat hazardous waste in a: [ORC 3734.02(E)&(F)]		
	a.	Container that meets 3745-66-70 to 3745-66-77?	Yes ☒ No ☐ N/A ☐
	b.	Tank that meets 3745-66-90 to 3745-66-100 except 3745-66-97(C)?	Yes ☐ No ☐ N/A ☒
	c.	Drip pads that meet 3745-69-40 to 3745-69-45?	Yes ☐ No ☐ N/A ☒
	d.	Containment building that meets 3745-256-100 to 3745-256-102?	Yes ☐ No ☐ N/A ☒
NOTE: Complete appropriate checklist for each unit.			
NOTE: If waste is treated to meet LDRs, use LDR checklist.			
11.	Does the generator export hazardous waste? If so:		Yes ☐ No ☒ N/A ☐
	a.	Has the generator notified U.S. EPA of export activity? [3745-52-53(A)]	Yes ☐ No ☐ N/A ☐
	b.	Has the generator complied with special manifest requirements? [3745-52-54]	Yes ☐ No ☐ N/A ☐
	c.	For manifests that have not been returned to the generator: has an exception report been filed? [3745-52-55]	Yes ☐ No ☐ N/A ☐
	d.	Has an annual report been submitted to U.S. EPA? [3745-52-56]	Yes ☐ No ☐ N/A ☐

	e.	Are export related documents being maintained on-site? [3745-52-57(A)]	Yes ☐ No ☐ N/A ☒
MANIFEST REQUIREMENTS			
12.		Have all hazardous wastes shipped off-site been accompanied by a manifest? (U.S. EPA Form 8700-22) [3745-52-20(A)(1)]	Yes ☒ No ☐ N/A ☐
13.		Have items (1) through (20) of each manifest been completed? [3745-52-20(A)(1)]&[3745-52-27(A)] Transporter signature missing	Yes ☐ No ☒ N/A ☐
NOTE: U.S. EPA Form 8700-22(A) (the continuation form) may be needed in addition to Form 8700-22. In these situations items (21) through (35) must also be completed. [3745-52-20(A)(1)]			
14.		Does each manifest designate at least one facility which is permitted to handle the waste? [3745-52-20(B)]	Yes ☒ No ☐ N/A ☐
NOTE: The generator may designate on the manifest one alternate facility to handle the waste in the event of an emergency which prevents the delivery of waste to the primary designated facility. [3745-52-20(C)]			
15.		If the transporter was unable to deliver a shipment of hazardous waste to the designated facility, did the generator designate an alternate TSD facility or give the transporter instructions to return the waste? [3745-52-20(D)]	Yes ☐ No ☐ N/A ☒
16.		Have the manifests been signed by the generator and initial transporter? [3745-52-23(A)(1)&(2)] missing signature	Yes ☐ No ☒ N/A ☐
NOTE: Remind the generator that the certification statement they signed indicates: 1) they have properly prepared the shipment for transportation and 2) they have a program in place to reduce the volume and toxicity waste they generate.			
17.		If the generator received a rejected load or residue and accumulated the waste on-site, did the generator sign item 18c or 20 of the manifest? [3745-52-34(M)]	Yes ☐ No ☐ N/A ☒
18.		If the generator did not receive a return copy of each completed manifest within 35 days of the waste being accepted by the transporter, did the generator contact the transporter and/or TSD facility to check on the status of the waste? [3745-52-42(A)(1)]	Yes ☐ No ☐ N/A ☒
19.		If the generator has not received the manifest within 45 days, did the generator file an exception report with Ohio EPA? [3745-52-42(A)(2)]	Yes ☐ No ☐ N/A ☒
20.		Are signed copies of all manifests and any exception reports being retained for at least three years? [3745-52-40]	Yes ☒ No ☐ N/A ☐
NOTE: Waste generated at one location and transported along a publicly accessible road for temporary consolidated storage or treatment on a contiguous property also owned by the same person is not considered "on-site" and manifesting and transporter requirements must be met. To transport "along" a public right-of-way the destination facility has to act as a transfer facility or have a permit because this is considered to be "off-site." For additional information see the definition of "on-site" in OAC rule 3745-50-10.			
PERSONNEL TRAINING			
21.		Does the generator have a training program which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to their positions? [3745-65-16(A)(2)]	Yes ☒ No ☐ N/A ☐
22.		Does the personnel training program, at a minimum, include instructions to ensure that facility personnel are able to respond effectively to emergencies involving hazardous waste by familiarizing them with emergency procedures, emergency equipment and emergency systems (where applicable)? [3745-65-16(A)(3)]	Yes ☒ No ☐ N/A ☐
NOTE: For facility employees that receive emergency response training pursuant to OSHA regulations, the facility is not required to provide separate emergency response training, provided that the overall facility training meets all the requirements of OAC 3745-65-16(A). [3745-65-16(A)(4)]			
23.		Is the personnel training program directed by a person trained in hazardous waste management procedures? [3745-65-16(A)(2)]	Yes ☒ No ☐ N/A ☐
24.		Do new employees receive training within six months after the date of hire (or assignment to a new position)? [3745-65-16(B)]	Yes ☒ No ☐ N/A ☐
25.		Does the generator provide annual refresher training to employees? [3745-65-16(C)]	Yes ☒ No ☐ N/A ☐

26.	Does the generator keep records and documentation of:		
	a.	Job titles? [3745-65-16(D)(1)]	Yes ☑ No ☐ N/A ☐
	b.	Job descriptions? [3745-65-16(D)(2)]	Yes ☑ No ☐ N/A ☐
	c.	Type and amount of training given to each person? [3745-65-16(D)(3)]	Yes ☑ No ☐ N/A ☐
	d.	Completed training or job experience required? [3745-65-16(D)(4)]	Yes ☑ No ☐ N/A ☐
27.	Are training records for current personnel kept until closure of the facility and are training records for former employees kept for at least three years from the date the employee last worked at the facility? [3745-65-16(E)]		Yes ☑ No ☐ N/A ☐

NOTE: The following section can be used by the inspector to document that all personnel who are involved with hazardous waste management have been trained. The employees who need training (written and/or on-the -job) may include the following: environmental coordinators, drum handlers, emergency coordinators, personnel who conduct hazardous waste inspections, emergency response teams, personnel who prepare manifest, etc.

Job Performed	Name of Employee	Date Trained

CONTINGENCY PLAN

28.	Does the owner/operator have a contingency plan to minimize hazards to human health or the environment from fires, explosions or any unplanned release of hazardous waste? [3745-65-51(A)]		Yes ☑ No ☐ N/A ☐
29.	Does the plan describe the following:		
	a.	Actions to be taken in response to fires, explosions or any unplanned release of hazardous waste? [3745-65-52(A)]	Yes ☑ No ☐ N/A ☐
	b.	Arrangements with emergency authorities? [3745-65-52(C)]	Yes ☑ No ☐ N/A ☐
	c.	A current list of names, addresses and telephone numbers (office and home) of all persons qualified to act as emergency coordinator? [3745-65-52(D)]	Yes ☑ No ☐ N/A ☐
	d.	A list of all emergency equipment, including: location, a physical description and brief outline of capabilities? [3745-65-52(E)]	Yes ☑ No ☐ N/A ☐
	e.	An evacuation plan for facility personnel where there is possibility that evacuation may be necessary? [3745-65-52(F)]	Yes ☑ No ☐ N/A ☐

NOTE: If the facility already has a "Spill Prevention, Control and Countermeasures Plan" under 40 CFR Part 112 or 40 CFR Part 1510, or some other emergency plan, the facility can amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with OAC requirements. The facility may develop one contingency plan which meets all regulatory requirements. Ohio EPA recommends that the plan be based on the "National Response Team's Integrated Contingency Plan Guidance (One Plan)." [3745-65-52(B)]

30.	Is a copy of the plan (plus revisions) kept on-site and been given to all emergency authorities that may be requested to provide emergency services? [3745-65-53(A)&(B)]	Yes ☑ No ☐ N/A ☐
31.	Has the generator revised the plan in response to rule changes, facility, equipment and personnel changes, or failure of the plan? [3745-65-54]	Yes ☑ No ☐ N/A ☐
32.	Is an emergency coordinator available at all times (on-site or on-call)? [3745-65-55]	Yes ☑ No ☐ N/A ☐

NOTE: The emergency coordinator shall be thoroughly familiar with: (a) all aspects of the facility's contingency plan; (b) all operations and activities at the facility; (c) the location and characteristics of waste handled; (d) the location of all records within the facility; (e) facility layout; and (f) shall have the authority to commit the resources needed to implement provisions of the contingency plan.

EMERGENCY PROCEDURES			
33.	Has there been a fire, explosion or release of hazardous waste or hazardous waste constituents since the last inspection? If so:		Yes ☒ No ☐ N/A ☐
	a.	Was the contingency plan implemented? [3745-65-51(B)]	Yes ☐ No ☒ N/A ☐
	b.	Did the facility follow the emergency procedures in 3745-65-56(A) through (H)?	Yes ☒ No ☐ N/A ☐
	c.	Did the facility submit a report to the Director within 15 days of the incident as required by 3745-65-56(I)?	Yes ☐ No ☒ N/A ☐
NOTE: OAC 3745-65-51(B) requires that the contingency plan be implemented immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents, which could threaten human health and the environment.			
PREPAREDNESS AND PREVENTION			
34.	Is the facility operated to minimize the possibility of fire, explosion, or any unplanned release of hazardous waste? [3745-65-31]		Yes ☒ No ☐ N/A ☐
35.	Does the generator have the following equipment at the facility, if it is required due to actual hazards associated with the waste:		
	a.	Internal communications or alarm system? [3745-65-32(A)]	Yes ☒ No ☐ N/A ☐
	b.	Emergency communication device? [3745-65-32(B)]	Yes ☒ No ☐ N/A ☐
	c.	Portable fire control, spill control and decon equipment? [3745-65-32(C)]	Yes ☒ No ☐ N/A ☐
	d.	Water of adequate volume/pressure per documentation or facility rep? [3745-65-32(D)]	Yes ☒ No ☐ N/A ☐
NOTE: Verify that the equipment is listed in the contingency plan.			
36.	Is emergency equipment tested (inspected) as necessary to ensure its proper operation in time of emergency? [3745-65-33]		Yes ☒ No ☐ N/A ☐
37.	Are emergency equipment tests (inspections) recorded in a log or summary? [3745-65-33]		Yes ☒ No ☐ N/A ☐
38.	Do personnel have immediate access to an internal alarm or emergency communication device when handling hazardous waste (unless the device is not required under 3745-65-32)? [3745-65-34(A)]		Yes ☒ No ☐ N/A ☐
39.	If there is only one employee on the premises, is there immediate access to a device (eg., phone, hand held two-way radio) capable of summoning external emergency assistance (unless not required under 3745-65-32)? [3745-65-34(B)]		Yes ☒ No ☐ N/A ☐
40.	Is adequate aisle space provided for unobstructed movement of emergency or spill control equipment? [3745-65-35]		Yes ☒ No ☐ N/A ☐
41.	Has the generator attempted to familiarize emergency authorities with possible hazards and facility layouts? [3745-65-37(A)]		Yes ☒ No ☐ N/A ☐
42.	Where authorities have declined to enter into arrangements or agreements, has the generator documented such a refusal? [3745-65-37(B)]		Yes ☐ No ☐ N/A ☒
SATELLITE ACCUMULATION AREA REQUIREMENTS			
43.	Does the generator ensure that satellite accumulation area(s):		
	a.	Are at or near a point of generation? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐
	b.	Are under the control of the operator of the process generating the waste? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐
	c.	Do not exceed a total of 55 gallons of hazardous waste per waste stream? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐
	d.	Do not exceed one quart of acutely hazardous waste at any one time? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐

	e.	Containers are closed, in good condition and compatible with wastes stored in them? [3745-52-34(C)(1)(a)]	Yes ☒ No ☐ N/A ☐
	f.	Containers are marked with words "Hazardous Waste" or other words identifying the contents? [3745-52-34(C)(1)(b)]	Yes ☒ No ☐ N/A ☐
44.	Is the generator accumulating hazardous waste(s) in excess of the amounts listed in the preceding question? If so:		Yes ☐ No ☒ N/A ☐
	a.	Did the generator comply with 3745-52-34(A)(1) through (4) or other applicable generator requirements within three days? [3745-52-34(C)(2)]	Yes ☒ No ☐ N/A ☐
	b.	Did the generator mark the container(s) holding excess with the accumulation date when the 55 gallon (one quart) limit was exceeded? [3745-52-34(C)(2)]	Yes ☒ No ☐ N/A ☐
NOTE: The satellite accumulation area is limited to 55 gallons of hazardous waste accumulated from a distinct point of generation in the process under the control of the operator of the process generating the waste (less then 1 quart for acute hazardous waste). There could be individual waste streams accumulated in an area from different points of generation.			
USE AND MANAGEMENT OF CONTAINERS IN <90 DAY ACCUMULATION AREAS			
45.	Has the generator marked containers with the words "Hazardous Waste?" [3745-52-34(A)(3)]		Yes ☒ No ☐ N/A ☐
46.	Is the accumulation date on each container? [3745-52-34(A)(2)]		Yes ☒ No ☐ N/A ☐
47.	Are hazardous wastes stored in containers which are:		
	a.	Closed (except when adding/removing wastes)? [3745-66-73(A)]	Yes ☒ No ☐ N/A ☐
	b.	In good condition? [3745-66-71]	Yes ☒ No ☐ N/A ☐
	c.	Compatible with wastes stored in them? [3745-66-72]	Yes ☒ No ☐ N/A ☐
	d.	Handled in a manner which prevents rupture/leakage? [3745-66-73(B)]	Yes ☒ No ☐ N/A ☐
NOTE: Record location on process summary sheets, photograph the area, and record on facility map.			
48.	Is the container accumulation areas(s) inspected weekly? [3745-66-74]		Yes ☒ No ☐ N/A ☐
	a.	Are inspections recorded in a log or summary? [3745-66-74]	Yes ☒ No ☐ N/A ☐
NOTE: "Week" means 7 consecutive days per ORC§1.44(A).			
49.	Are containers of ignitable or reactive wastes located at least 50 feet (15 meters) from the facility's property line? [3745-66-76]		Yes ☒ No ☐ N/A ☐
50.	Are containers of incompatible wastes stored separately from each other by means of a dike, berm, wall or other device? [3745-66-77(C)]		Yes ☒ No ☐ N/A ☐
51.	If the generator places incompatible wastes, or incompatible wastes and materials in the same container, is it done in accordance with 3745-65-17(B)? [3745-66-77(A)]		Yes ☒ No ☐ N/A ☐
52.	If the generator places hazardous waste in an unwashed container that previously held an incompatible waste, is it done in accordance with 3745-65-17(B)? [3745-66-77(B)]		Yes ☒ No ☐ N/A ☐
NOTE: OAC 3745-65-17(B) requires that the generator treat, store, or dispose of ignitable or reactive waste, and the mixture or commingling of incompatible wastes, or incompatible wastes and materials so that it does not create undesirable conditions or threaten human health or the environment.			
53.	If the generator has closed a <90 day accumulation area does the closure appear to have met the closure performance standard of 3745-66-11? [3745-52-34(A)(1)]		Yes ☒ No ☐ N/A ☐

NOTE: Please provide a description of the unit and documentation provided by the generator for the file to demonstrate that closure was completed in accordance with the closure performance standards. If the generator has closed a <90 day tank, closure must also be completed in accordance with OAC 3745-66-97 (except for paragraph C of this rule). [3745-52-34]		
PRE-TRANSPORT REQUIREMENTS		
54.	Does the generator package/label its hazardous waste in accordance with the applicable DOT regulations? [3745-52-30, 3745-52-31 and 3745-52-32(A)]	Yes ☒ No ☐ N/A ☐
55.	Does each container ≤119 gallons have a completed hazardous waste label? [3745-52-32(B)]	Yes ☒ No ☐ N/A ☐
56.	Before off-site transportation, does the generator placard or offer the appropriate DOT placards to the initial transporter? [3745-52-33]	Yes ☒ No ☐ N/A ☐

SMALL QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS			
Large Quantity Universal Waste Handler (LQUWH) = 5,000 Kg or more			
Small Quantity Universal Waste Handler (SQUWH) = 5,000 Kg or less			
PROHIBITIONS			
1.	Did the SQUWH dispose of universal waste? [3745-273-11(A)]		Yes ☐ No ☒ N/A ☐
2.	Did the SQUWH dilute or treat universal waste, except when responding to releases as provided in OAC rule 3745-273-17 or managing specific wastes as provided in OAC rule 3745-273-13? [3745-273-11(B)]		Yes ☐ No ☒ N/A ☐
WASTE MANAGEMENT AND LABELING/MARKING			
UNIVERSAL WASTE BATTERIES			
3.	Are batteries that show evidence of leakage, spillage or damage that could cause leaks contained? [3745-273-13(A)(1)]		Yes ☒ No ☐ N/A ☐
4.	If batteries are contained, are the containers closed and structurally sound, compatible with the contents of the battery and lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-13(A)(1)]		Yes ☒ No ☐ N/A ☐
5.	Are the casings of the batteries breached, not intact, or open (except to remove the electrolyte)? [3745-273-13(A)]		Yes ☒ No ☐ N/A ☐
6.	If the electrolyte is removed or other wastes generated, has it been determined whether the electrolyte or other wastes exhibit a characteristic of hazardous waste? [3745-273-13(A)(3)]		Yes ☒ No ☐ N/A ☐
	a.	If the electrolyte or other waste is characteristic, is it managed in compliance with OAC Chapters 3745-50 through 3745-69? [3745-273-13(A)(3)(a)]	Yes ☒ No ☐ N/A ☐
	b.	If the electrolyte or other waste is not hazardous, is it managed in compliance with applicable law? [3745-273-13(A)(3)(b)]	Yes ☒ No ☐ N/A ☐
7.	Are the batteries or containers of batteries labeled with the words "Universal Waste-Battery(ies)" or "Waste Battery(ies)" or "Used Battery(ies)?" [3745-273-14(A)]		Yes ☒ No ☐ N/A ☐
UNIVERSAL WASTE PESTICIDES			
8.	Does the SQUWH prevent releases to the environment by managing pesticides in containers that are closed, structurally sound, compatible with the pesticides, and lack evidence of leakage, spillage, or damage? [3745-273-13(B)(1)]		Yes ☐ No ☐ N/A ☒
9.	If the original pesticide container is in poor condition, was it over-packed into an acceptable container? [3745-273-13(B)(2)]		Yes ☐ No ☐ N/A ☒
10.	If the pesticide is stored in a tank, are the requirements of rules 3745-66-90 through 3745-66-101, except for paragraph (C) of 3745-66-97, of the OAC met? (Use tank checklist) [3745-273-13(B)(3)]		Yes ☐ No ☐ N/A ☒
11.	If pesticides are stored in a transport vehicle, is it closed, structurally sound, compatible with the pesticide(s), and does it lack evidence of leakage, spillage, or damage that could cause leakage? [3745-273-13(B)(4)]		Yes ☐ No ☐ N/A ☒
12.	Are recalled universal waste pesticides that are in containers, tanks, or transport vehicles labeled with the label that was on or accompanied the product as sold or distributed and labeled with the words "Universal Waste Pesticides" or "Waste Pesticides?" [3745-273-14(B)(1)&(2)]		Yes ☐ No ☐ N/A ☒
13.	Are unused pesticide products that are in containers, tanks, or transport vehicles labeled with either the label that was on the product when purchased (if still legible), the appropriate DOT label, or the designated label prescribed by the pesticide collection program and labeled with the words "Universal Waste-Pesticides" or "Waste Pesticides?" [3745-273-14(C)(1)&(2)]		Yes ☐ No ☐ N/A ☒

UNIVERSAL WASTE MERCURY-CONTAINING EQUIPMENT			
14.	Has mercury-containing equipment with non-contained elemental mercury or that shows evidence of leakage, spillage or damage that could cause leaks been placed in a container that is closed, structurally sound, compatible with contents of the device and lacks evidence of leakage, spillage or damage that could cause leakage and is designed to prevent escape of mercury into the environment by volatilization or any other means? [3745-273-13(C)(1)]		Yes ☐ No ☐ N/A ☐
15.	If the mercury-containing ampules are removed, does the SQUWH: [3745-273-13(C)(2)]		
	a.	Remove and manage the ampules in a manner to prevent breakage and is the removal done over or in a containment device? [3745-273-13(C)(2)(a)&(b)]	Yes ☐ No ☐ N/A ☐
	b.	Have a clean-up system readily available to transfer spilled mercury to another container that meets the requirements of OAC rule 3745-52-34 and is the spilled mercury transferred immediately? [3745-273-13(C)(2)(c)&(d)]	Yes ☐ No ☐ N/A ☐
	c.	Ensure that the area where ampules are removed is well ventilated and monitored in compliance with applicable OSHA exposure levels for mercury? [3745-273-13(C)(2)(e)]	Yes ☐ No ☐ N/A ☐
	d.	Ensure that employees are thoroughly familiar with the proper waste handling and emergency procedures? [3745-273-13(C)(2)(f)]	Yes ☐ No ☐ N/A ☐
	e.	Ensure that removed ampules are stored in closed, non-leaking containers that are in good condition? [3745-273-13(C)(2)(g)]	Yes ☐ No ☐ N/A ☐
	f.	Pack removed ampules in containers with packing material to prevent breakage during storage, handling and transportation? [3745-273-13(C)(2)(h)]	Yes ☐ No ☐ N/A ☐
16.	If the open original housing holding mercury is removed from a mercury-containing equipment that does not contain an ampule, does the SQUWH: [3745-273-13(C)(3)]		Yes ☐ No ☐ N/A ☐
	a.	Immediately seal the original housing holding the mercury with an air-tight seal to prevent the release of any mercury to the environment? [3745-273-13(C)(3)(a)]	Yes ☐ No ☐ N/A ☐
	b.	Follow all requirements for removing ampules and managing removed ampules in accordance with 3745-273-13(C)(2)? [3745-273-13(C)(3)(b)]	Yes ☐ No ☐ N/A ☐
17.	When removing mercury containing ampules from mercury-containing equipment or sealing mercury from its original housing if there are mercury or clean-up residues resulting from spills or leaks, and/or other waste generated (e.g., remaining mercury-containing device), has it been determined whether those exhibit a characteristic of hazardous waste identified in OAC rules 3745-51-20 to 3745-51-24? [3745-273-13(C)(4)(a)]		Yes ☐ No ☐ N/A ☐
	a.	If the residues, and/or wastes are characteristic, are they managed in compliance with Chapters 3745-50 through 3745-69, 3745-205, 3745-256, 3745-266, and 3745-270 of the Administrative Code? (The handler is considered the generator of the mercury, residues, and/or other waste and is subject to OAC Chapter 3745-52) [3745-273-13(C)(4)(b)]	Yes ☐ No ☐ N/A ☐
18.	Is mercury-containing equipment or containers of mercury-containing equipment labelled either "Universal Waste-Mercury-Containing Equipment" or "Waste Mercury-Containing Equipment" or "Used Mercury-Containing Equipment"? [3745-237-14(D)(1)]		Yes ☐ No ☐ N/A ☐
19.	Are mercury-containing thermostats or containers containing ONLY thermostats labeled either "Universal Waste-Mercury Thermostat(s)" or "Waste Mercury Thermostat(s)" or "Used Mercury Thermostat(s)?" [3745-273-14(D)(2)]		Yes ☐ No ☐ N/A ☐

UNIVERSAL WASTE LAMPS			
20.	Does the SQUWH contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with contents of the lamps? Are containers or packages closed and do they lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-13(D)(1)] See notes		Yes ☐ No ☒ N/A ☐
21.	Are lamps that show evidence of breakage, leakage or damage that could cause a release of mercury or hazardous constituents into the environment immediately cleaned up? Are they placed into a container that is closed, structurally sound, compatible with the contents of the lamps, and lack evidence of leakage, spillage or damage that could cause leakage or releases of mercury or hazardous waste constituents to the environment? [3745-273-13(D)(2)]		Yes ☒ No ☐ N/A ☐
*NOTE: **Treatment (such as crushing) by a UWH is prohibited under this rule unless the facility is permitted for such activities [3745-273-31(B)].** A generator crushing lamps must manage lamps according to hazardous waste rules (OAC Chapter 3745-52). Lamp crushing is a form of generator treatment (OAC rule 3745-52-34). Crushed lamps must be transported by a registered hazardous waste transporter to a permitted hazardous waste facility using a hazardous waste manifest.*			
22.	Are the lamps or containers or packages of lamps labeled with the words "Universal Waste-Lamp(s)" or "Waste Lamp(s)" or "Used Lamp(s)?" [3745-273-14(E)] See notes.		Yes ☐ No ☒ N/A ☐
ACCUMULATION TIME			
23.	Is the waste accumulated for less than one year? [3745-273-15(A)]		Yes ☒ No ☐ N/A ☐
	a.	If not, is the waste accumulated over one year in order to facilitate proper recovery, treatment or disposal? (Burden of proof is on the handler to demonstrate) [3745-273-15(B)]	Yes ☐ No ☐ N/A ☒
NOTE: Accumulation is defined as date generated or date received from another handler.			
24.	Is the handler able to demonstrate the length of time the universal waste has been accumulated? [3745-273-15(C)] If yes, describe below:		Yes ☒ No ☐ N/A ☐
EMPLOYEE TRAINING			
25.	Are employees who handle or have the responsibility for managing universal waste informed of waste handling/emergency procedures, relative to their responsibilities? [3745-273-16]		Yes ☒ No ☐ N/A ☐
RESPONSE TO RELEASES			
26.	Are releases of universal waste and other residues immediately contained? [3745-273-17(A)]		Yes ☒ No ☐ N/A ☐
27.	Is the material released characterized? [3745-273-17(B)]		Yes ☒ No ☐ N/A ☐
28.	If the material released is a hazardous waste, was it managed as required in OAC Chapters 3745-50 through 3745-69? (If the waste is hazardous, the handler is considered the generator of the waste and is subject to OAC Chapter 3745-52) [3745-273-17(B)]		Yes ☒ No ☐ N/A ☐
OFF-SITE SHIPMENTS			
NOTE: If a SQUWH self-transports waste, then the handler must comply with the Universal Waste transporter requirements.			
29.	Are universal wastes sent to either another handler, destination facility or foreign destination? [3745-273-18(A)]		Yes ☒ No ☐ N/A ☐

30.	Is the handler aware of DOT requirements for packaging and shipping? If no, make aware of 49 CFR 171-180.		Yes ☒ No ☐ N/A ☐
31.	Prior to shipping universal waste off-site, does the originating handler ensure that the receiver agrees to receive the shipment? [3745-273-18(D)]		Yes ☒ No ☐ N/A ☐
32.	Has the originating handler ever had an off-site shipment rejected by another handler or destination facility?		Yes ☐ No ☒ N/A ☐
	a.	If yes, did the originating handler receive the waste back or agree to where the shipment was sent? [3745-273-18(E)]	Yes ☐ No ☐ N/A ☒
33.	If a handler rejects a partial or full load from another handler, does the receiving handler contact the originating handler and discuss and do one of the following:		Yes ☐ No ☐ N/A ☒
	a.	Send the waste back to the originating handler or send the shipment to a destination facility (If both the originating and receiving handler agree)? [3745-273-18(F)]	Yes ☐ No ☐ N/A ☒
34.	If the handler received a shipment of hazardous waste that was not a universal waste, did the SQUWH immediately notify Ohio EPA? [3745-273-18(G)]		Yes ☐ No ☐ N/A ☒
EXPORTS			
35.	Is waste being sent to a foreign destination? If so:		Yes ☐ No ☐ N/A ☒
	a.	Does the small quantity handler comply with primary exporter requirements in OAC rules 3745-52-53, 3745-52-56, and 3745-52-57? [3745-273-20(A)]	Yes ☐ No ☐ N/A ☒
	b.	Is waste exported only upon consent of the receiving country and in conformance with the U.S. EPA "Acknowledgment of Consent" as defined in OAC rules 3745-52-50 to 3745-52-57? [3745-273-20(B)]	Yes ☐ No ☐ N/A ☒
	c.	Is a copy of the U.S. EPA "Acknowledgment of Consent" provided to the transporter? [3745-273-20(C)]	Yes ☐ No ☐ N/A ☒

USED OIL INSPECTION CHECKLIST
GENERATORS, COLLECTION CENTERS AND AGGREGATION POINTS

NOTE: A facility is subject to the federal SPCC regulations (40 CFR 112) if it is non-transportation related (e.g., fixed) and has an aggregate above ground storage capacity greater than 1,320 gallons or a total underground storage capacity greater than 42,000 gallons of oil (including used oil), and there is reasonable expectation of a discharge to navigable waters.

PROHIBITIONS			
1.	Does the generator manage used oil in a surface impoundment or waste pile? If yes:		Yes ☐ No ☒ N/A ☐
	a.	Is the surface impoundment or waste pile regulated as a hazardous waste management unit? [3745-279-12(A)]	Yes ☐ No ☐ N/A ☒
NOTE: For example, used oil contaminated scrap metal stored in a pile.			
2.	Is used oil used as a dust suppressant? [3745-279-12(B)]		Yes ☐ No ☒ N/A ☐
3.	Is off-specification used oil fuel burned for energy recovery in devices specified in 3745-279-12(C)?		Yes ☐ No ☒ N/A ☐
NOTE: Multiple used oil checklists may be applicable if used oil handler is performing multiple tasks (e.g., If generating used oil and shipping directly to a burner, complete generator and marketer checklists at a minimum).			
GENERATOR STANDARDS			
4.	Does the generator mix hazardous waste with used oil? If so,		Yes ☐ No ☒ N/A ☐
	a.	Is the mixture managed as specified in 3745-279-10(B)? [3745-279-21(A)]	Yes ☐ No ☐ N/A ☒
NOTE: Used Oil mixed with listed (3745-51-30 to 3745-51-35) or characteristic (3745-51-20 to 3745-51-24) hazardous waste are subject to regulation as a hazardous waste, unless the listed hazardous waste is listed solely because it exhibits a hazardous characteristic, and the resultant mixtures do not exhibit a characteristic. Mixtures of used oil and CESQG hazardous waste are subject to OAC Chapter 3745-279.			
5.	Does the generator of a used oil containing greater than 1,000 ppm total halogens manage the used oil as a hazardous waste unless the presumption is rebutted successfully? [3745-279-21(B)]		Yes ☐ No ☐ N/A ☒
NOTE: If used oil contains greater than 1000 ppm total halogens, it is presumed to be listed hazardous waste until the presumption is successfully rebutted.			
6.	Does the generator store used oil in tanks; or containers; or a unit(s) subject to regulation as a hazardous waste management unit? [3745-279-22(A)]		Yes ☐ No ☒ N/A ☐
7.	Are containers and aboveground tanks used to store used oil in good condition with no visible leaks? [3745-279-22(B)]		Yes ☒ No ☐ N/A ☐
8.	Are containers, above ground tanks, and fill pipes used for underground tanks clearly labeled or marked "Used Oil?" [3745-279-22(C)]		Yes ☒ No ☐ N/A ☐
9.	Has the generator, upon detection of a release of used oil, done the following: [3745-279-22(D)]		Yes ☒ No ☐ N/A ☐
	a.	Stopped the release?	Yes ☒ No ☐ N/A ☐
	b.	Contained the release?	Yes ☒ No ☐ N/A ☐
	c.	Cleaned up and properly managed the used oil and other materials?	Yes ☒ No ☐ N/A ☐
	d.	Repaired or replaced the containers or tanks prior to returning them to service, if necessary?	Yes ☒ No ☐ N/A ☐
ON-SITE BURNING IN SPACE HEATER			
10.	Does the generator burn used oil in used-oil fired space heaters? [3745-279-23] If so:		
	a.	Does the heater burn only used oil that owner/operator generates or used oil received from household do-it-yourself (DIY) used oil generators?	Yes ☐ No ☐ N/A ☒

	b.	Is the heater designed to have a maximum capacity of not more that 0.5 million BTU per hour?	Yes ☐ No ☐ N/A ☐
	c.	Are the combustion gases from heater vented to the ambient air?	Yes ☐ No ☐ N/A ☐
NOTE: Ash accumulated in a space heater must be managed in accordance with 3745-279-10(E).			
GENERATOR TRANSPORTATION			
11.	Does the generator have the used oil hauled only by transporters that have obtained a U.S. EPA ID#? [3745-279-24]		Yes ☒ No ☐ N/A ☐
12.	If the generator self-transports used oil to an approved collection site or to an aggregation point owned by the generator: [3745-279-24]		
	a.	Does the generator transport used oil in a vehicle owned by the generator or an employee of the generator? [3745-279-24]	Yes ☐ No ☐ N/A ☐
	b.	Does the generator transport more than 55 gallons of used oil at any time? [3745-279-24]	Yes ☐ No ☐ N/A ☐
NOTE: Used oil generators may arrange for used oil to be transported by a transporter without a U.S. EPA ID # if the used oil is reclaimed under a contractual agreement (i.e., tolling arrangement).			
COLLECTION CENTERS AND AGGREGATION POINTS			
13.	Is the DIY used oil collection center in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-30]		Yes ☐ No ☐ N/A ☐
14.	Is the non-DIY used oil collection center registered with Ohio EPA? [3745-279-31]		Yes ☐ No ☐ N/A ☐
15.	Is the used oil aggregation point in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-32]		Yes ☐ No ☐ N/A ☐
NOTE: Complete Used Oil Generator and any other applicable used oil handler checklist (e.g., marketer, burner, etc.) for used oil collection centers and aggregation points.			

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

file

REPLY TO THE ATTENTION OF:
LR-8J

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. William E. Murphie
Manager
Portsmouth/Paducah Project Office
U.S. Department of Energy
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513

Mr. W.A. Franz
Project Manager
LATA/Parallax Portsmouth, LLC
P.O. Box 855
Piketon, Ohio 45661

Re: Notice of Violation/Return to Compliance
RCRA Compliance Inspection
Portsmouth Gaseous Diffusion Plant
Piketon, Ohio
OH7 890 008 983

Dear Messrs. Murphie and Franz:

On June 22 and June 23, 2009, representatives of the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency (OEPA) inspected your installation located at 3930 US Route 23 South, Piketon, Ohio. The purpose of the inspection was to evaluate compliance with certain requirements of the Resource Conservation and Recovery Act (RCRA); specifically, those regulations related to the generation, treatment and storage of hazardous waste. A copy of the inspection report is enclosed for your reference.

Based upon information provided by U.S. Department of Energy (DOE) and LATA/Parallax Portsmouth, LLC (LATA/Parallax) personnel, review of records, and physical observations by the inspectors, EPA has determined that DOE and LATA/Parallax violated a certain requirement of the Ohio Administrative Code (OAC) and the United States Code of Federal Regulations (CFR). We find that DOE and LATA/Parallax were in noncompliance with the following requirement:

- A large quantity generator storing containers of hazardous waste must comply with OAC Rule 3745-52-34(C)(1)(b) [40 CFR § 262.34(c)(1)(ii)], which requires that each

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hazardous waste container, while being accumulated on-site, must be labeled with the words "Hazardous Waste" or with other words that identify the contents of the container. See, OAC Rule 3745-52-34(C)(1)(b).

During the inspection of Building X-627, the inspectors observed one 55-gallon container labeled "Trichloroethylene." The 55-gallon container was missing the words hazardous waste or other words identifying the contents as waste, as required by OAC Rule 3745-52-34(C)(1)(b). At the time of the inspection, DOE & LATA/Parallax, therefore, failed to comply with the above-referenced hazardous waste generator requirement. Later in the inspection, DOE and LATA/Parallax personnel provided the inspectors with a photograph of the 55-gallon SAA container in Building X-627, labeled "Waste Trichloroethylene." Based on this information, DOE and LATA/Parallax have resolved the violation of OAC Rule 3745-52-34(C)(1)(b) [40 CFR ' 262.34(c)(1)(ii)].

This letter is to inform you that EPA has reviewed the referenced information, and does not plan additional enforcement action at this time. This letter does not limit the applicability of the requirements evaluated, or of other federal or state statutes or regulations. EPA and the Ohio EPA will continue to evaluate DOE and LATA/Parallax in the future.

If you have any questions regarding this letter, please contact Walt Francis, of my staff, at (312) 353-4921.

Sincerely,

Willie H. Harris, P.E.
Chief, RCRA Branch
Land and Chemicals Division

Enclosure

cc: Melody Stewart, OEPA – Southeast District Office

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 W. JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604

RCRA COMPLIANCE EVALUATION INSPECTION REPORT

FACILITY NAME:	**PORTSMOUTH GASEOUS DIFFUSION PLANT**
FACILITY U.S. EPA ID NO.:	**OH7 890 008 983**
FACILITY TYPE:	**Large Quantity Generator/Container Storage Facility**
FACILITY ADDRESS:	3930 US Route 23 South Piketon, Ohio 45661
U.S. EPA REPRESENTATIVE:	Walt Francis
DATE(S) OF INSPECTION:	June 22nd and June 23rd, 2009
SIC CODE:	**2819** - Industrial Inorganic Chemicals, Not Elsewhere Classified
NAICS CODE:	**325188** - All Other Basic Inorganic Chemical Manufacturing

PREPARED BY: _____ 7/8/09
Walt Francis — **Date**
Environmental Scientist

ACCEPTED BY: _____ 7-15-09
Paul Little, Chief — **Date**
Compliance Section 2
RCRA Branch

Purpose of Inspection

The purpose of this inspection was to conduct a Compliance Evaluation Inspection (CEI) at the U.S. Department of Energy Portsmouth Gaseous Diffusion Plant (Portsmouth), Piketon, Ohio to determine its compliance with the Resource Conservation and Recovery Act (RCRA), the Ohio Administrative Code (OAC), and the RCRA Permit requirements with respect to U.S. DOE's management of hazardous waste, universal waste and used oil.

Participants

U.S. Environmental Protection Agency (U.S. EPA) Inspector -
Walt Francis, Environmental Scientist

Ohio Environmental Protection Agency (Ohio EPA) Inspector -
Melody Stewart, Hazardous Waste Inspector

Representatives of U.S. DOE, LATA/Parallax, and Theta/Pro2Serve Management Company (TPMC) -
Melda Rafferty, U.S. DOE
Rosemary Richmond, LATA/Parallax Portsmouth, LLC
James Tomlin, Theta/Pro2Serve Management Company

Site Description/Background Information

Historically, the main function of the Portsmouth facility was to enrich uranium for military use (nuclear submarines) and commercial reactors through a gaseous diffusion process. This involved the separation of U235 from the U238 isotope in uranium hexafluoride (UF6) feedstock which contains 0.711% U235. The Plant had produced enriched uranium continuously since September 1954. In 1993, the uranium enrichment facilities at the plant were leased to the United States Enrichment Corporation (USEC). U.S. DOE retained ownership of the ongoing site environmental restoration program as well as two permitted hazardous waste storage facilities.

Numerous other activities associated with the plant's main function also occur on-site and are leased by USEC. These include decontamination of equipment and uranium recovery (X-705 Bldg.); chemical cleaning of equipment (X-700); maintenance crafts, including paint, sheet metal, machining, valve, compressor, welding, electrical, motor rewind, metallurgy, instruments and carpentry (X-720); laboratory services (X-710); wastewater treatment (X-6619); water treatment (X-611); chromium removal (X-616); uranium operations, fluorine generation and cylinder handling (X-344); photo and printing lab (X-100); vehicle repair (X-750); coal pile runoff treatment (X-621); and electrical and utilities system.

Hazardous waste and mixed waste which was generated from the gaseous diffusion and associated processes leased by USEC is stored in U.S. DOE owned and permitted storage

facilities. Waste generated by U.S. DOE and LATA/Parallax from the environmental restoration is also stored in these facilities. USEC also generates non mixed radioactive hazardous waste which is shipped out of Building XT-847. USEC ceased the enrichment process in May 2001.

Uranium contaminated hazardous wastes (mixed waste) which were/are generated by USEC and U.S. DOE are stored on-site in U.S. DOE-owned and operated hazardous waste container storage facilities for longer than one year. Historically, this was due to the limited number of treatment, storage and disposal (TSD) facilities in the United States which could accept mixed waste, and a May 1991 U.S. DOE moratorium on off-site waste shipment. A large percentage of the waste generated at Portsmouth is U.S. DOE-generated mixed waste from the site-wide cleanup activities. This is also stored in U.S. DOE-owned storage areas. U.S. DOE sends some waste off-site (to U.S. DOE Oakridge) for treatment prior to final disposal. Treatment residuals are returned to U.S. DOE - Portsmouth for storage in the interim prior to their final disposal.

U.S. DOE/LATA Parallax generated hazardous wastes are primarily shipped to Energy Solutions, Clive, Utah, Perma-Fix, Gainesville, Florida, and Diversified Scientific Services, Inc. (DSSI), Kingston, Tennessee. In addition, a wide variety of radioactive and other nonhazardous wastes are generated as a result of the above processes. UDS is working on a project to recover material from depleted uranium hexafluoride cylinders.

Opening Conference

On June 22, 2009, Walt Francis and Melody Stewart arrived at Building X-1000 at approximately 8:00 a.m. and informed the U.S. DOE and LATA/Parallax representatives of the nature, scope, and procedures for the RCRA inspection. The inspection was conducted by U.S. EPA and OEPA personnel as a Federal lead inspection. The facility representatives provided the team with a brief update of the facility since the last inspection. Ms. Rosemary Richmond allowed the inspectors access to the facility to conduct the inspection.

Site Tour

The walk-through began in Building X-720 where TPMC maintains a universal waste lamp accumulation area. The inspectors observed several containers of used fluorescent lamps. The inspection continued to Building X-700, where Mr. James Tomlin showed the inspectors several satellite accumulation area (SAA) containers, several containers of used oil and an area for accumulation of universal waste. Inspector Francis observed three SAA containers: a 30-gallon container labeled "Rags/Paint Debris"; a 10-gallon container labeled "Aerosol Cans"; and a 5-gallon container labeled "Paint and Solvents". The universal waste area included containers of used circuit boards, used batteries and used fluorescent lamps. Inspector Francis observed that the boxes of used fluorescent lamps were labeled with a "6/11/2009" accumulation date. Inspector Stewart located a spill control kit in the Paint Shop area. The inspection continued to Building X-623 where Mr. Greg Thompsen showed the inspectors where U.S. DOE maintains a less than 90 day hazardous waste accumulation area and a SAA for waste TCE. Inspector

Francis observed that the hazardous waste less-than-90 day area did not contain any containers of hazardous waste. The inspectors also reviewed the weekly inspection logs for Building X-623. The inspection continued to the X-701B area where U.S. DOE maintains a less than 90 day accumulation area. The inspectors observed an emergency response spill kit and a weekly inspection log. The walkthrough continued at Building X-627 where Mr. Greg Thompsen showed the inspectors a 55-gallon SAA container. Inspector Francis observed a 55-gallon container that was labeled Waste "PPE/Bag Filters F001". The inspection continued to Building X-624 where U.S. DOE maintains a SAA container. The inspectors observed a 55-gallon container of PPE, filters and debris. Inspector Francis observed a 55-gallon container labeled "TCE" which was connected to the groundwater pump and treat system. The walkthrough continued at Building X-345, where Ms. Bridgette Eslinger showed the inspectors an empty SAA area and explained the small cylinder processing procedure. The walkthrough continued to Building X-770, where the inspectors observed a less-than 90 day hazardous waste accumulation area, which was empty and then to Building X-334. At Building X-334, Mr. Doug Questa showed the inspectors a universal waste accumulation area, which contained used batteries, and used fluorescent lamps,

The inspection continued at Building X-624 where U.S. DOE maintains an SAA area for "PPE/Filters F001". The inspection continued to the west L-Cage area in Building X-326. Inspector Francis observed approximately thirty 55-gallon containers labeled "Gunk D007/D008 3/3/1992" and approximately twelve 55-gallon containers labeled "Ash D006/D007/D008/D009/D011 3/3/92". The walk-through continued to Area #1, which was empty and then to Area 5, and then to Area 2. The inspection continued to Area 4, and then to an SAA in Building X-326. The inspection continued to an SAA in Building X-330 and then to an SAA in building X-333.

The inspectors then returned to Building X-1000 to review records.

Records Review

A record review was conducted. The inspection team requested to review hazardous waste manifests, land disposal restriction forms, mixed-waste shipment documentation, universal waste and used oil shipping records, personnel training information, weekly inspection logs, waste profiles for hazardous waste in storage, and the latest version of the contingency plan. The inspectors reviewed hazardous waste manifests since the date of the last inspection, two years of personnel training records, waste profiles, and weekly inspection logs. The inspectors reviewed a Contingency Plan that was last updated on June 20, 2007.

Closing Conference

The inspectors conducted a closing conference. Inspector Francis explained that he would review his notes from the inspection, and generate an inspection report. U.S. DOE and LATA/Parallax would then receive a letter from U.S. EPA regarding the inspection including a

copy of the inspection report, and completed inspection checklists. Inspector Francis said that during the inspection of Building X-627, he observed an SAA container labeled "TCE", not "Waste TCE". Inspector Stewart said that the weekly inspection logs should include SAA spill kits.

Attachments
Inspection Checklists.

STATE PART B HAZARDOUS WASTE PERMIT INSPECTION CHECKLIST

DIVISION OF HAZARDOUS WASTE MANAGEMENT
OHIO EPA
July 2002

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04-66-0680

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OHIO PART B PERMITTED FACILITY
RCRA INSPECTION CHECKLIST

Facility: Portsmouth Gaseous Diffusion Plant Ohio Permit #: 04-66-0680

Co-operator: LATA/Parallax Portsmouth, LLC

Address: 3930 U.S. Route 23 South
Piketon, OH 45661

USEPA ID#: OH7890008983
Facility Phone: 740-897-5010

County: Pike

Time: 8:00 a.m. - 5:30 p.m.

Inspection Date: 6/22/2009

Advance notice of inspection given?____(Yes) __X_(No)
If so, how far in advance? _____

	Name	Agency/Title	Phone
Inspector(s):	Walt Francis	U.S. EPA	312-353-4921
	Melody Stewart	Ohio EPA	740-380-5256
Facility	Melda Rafferty	USDOE	740-897-5010
	Rosemary Richmond	LPP	740-897-5010
Representative(s):			

Is facility operating as a generator? Yes __X_____ No

If so, complete the applicable sections of the Generator Requirements checklist for wastes being managed under generator status.

PERMIT STATUS

Permit Issued: March 15, 2001
Permit Effective Date: March 15, 2001
Permit Expiration Date: March 15, 2011

STORAGE		TREATMENT		DISPOSAL	
X	Container		Tank		Injection Well
	Tank		Surface Impoundment		Landfill
	Waste Pile		Incinerator		Land Application
	Surface Impoundment		Thermal Treatment		Surface Impoundment

PROCESS DESCRIPTION

Historically, the main function of the DOE-PORTS facility was to enrich uranium for military use (nuclear submarines) and commercial reactors through a gaseous diffusion process. This involved the separation of U235 from the U238 isotope in UF6 feedstock which contains 0.711% U235. However, in 1993, the uranium enrichment facilities at the plant were leased to the United States Enrichment Corporation (USEC). USDOE retained ownership of the ongoing site environmental restoration program as well as two permitted hazardous waste storage facilities.

Numerous other activities associated with the plant's main function also occur on-site and are leased by USEC. These include decontamination of equipment and uranium recovery (X-705 Bldg.); chemical cleaning of equipment (X-700); maintenance crafts, including paint, sheet metal, machining, valve, compressor, welding, electrical, motor rewind, metallurgy, instruments and carpentry (X-720); laboratory services (X-710); wastewater treatment (X-6619); water treatment (X-611); chromium removal (X-616); uranium operations, fluorine generation and cylinder handling (X-344); photo and printing lab (X-100); vehicle repair (X-750); coal pile runoff treatment (X-621); and electrical and utilities system.

Hazardous waste and mixed waste which was generated from the gaseous diffusion and associated processes leased by USEC is stored in DOE owned and permitted storage facilities. Waste generated by DOE from the environmental restoration is also stored in these facilities. USEC ceased the enrichment process in May 2001.

WASTE MANAGEMENT, GENERATION AND AMOUNT

Uranium contaminated hazardous wastes (mixed waste) which were/are generated by USEC and DOE are stored on-site in DOE-owned and operated hazardous waste container storage facilities for longer than one year. Historically, this was due to the limited number of TSDs in the U.S. which could accept mixed waste, and a May 1991 DOE moratorium on off-site waste shipment. A large percentage of the waste generated at PORTS is DOE-generated mixed waste from the site-wide cleanup activities. This is also stored in DOE-owned storage areas. During the past year, numerous shipments of hazardous waste were manifested off-site by both DOE and USEC. This is due to an increase in treatment capacity at off-site commercial treatment facilities and DOE treatment facilities, the lifting of the moratorium, and the execution of the site treatment plans for DOE and USEC. DOE sends some waste off-site (to USDOE Oakridge) for treatment prior to final disposal. Treatment residuals are returned to DOE for storage in the interim prior to their final disposal.

Hazardous

The DOE Part B permit lists numerous hazardous waste codes for wastes that are generated by the above processes and the environmental restoration. These are stored in drums ranging in size from 30 to 110 gallon capacity, 5 gallon containers, 20 gallon lab packs, 5' cans, 4'x4'x6' boxes, 4'x4'x8' boxes, polybottles and laboratory bottles.

Nonhazardous

A wide variety of radioactive and other nonhazardous wastes are generated as a result of the above processes.

HAZARDOUS WASTE MANAGEMENT UNITS

The following DOE-owned permitted storage facilities were inspected during the CEI:

-X-7725	Container Storage Facility
-X-326	Container Storage Facility

In addition, DOE-owned and operated HWMUs and SAAs were inspected in the following buildings:

		-X-326	-X-622
-X-7725	-X-624		
-X-623	-X-627		
--X-333	-X-330		
–X-701B	-X-770		
-X-345	-X-700		

REGULATORY/ENFORCEMENT HISTORY

As a result of violations of state and federal hazardous waste regulations found during the 1987, 1988, and 1989 OEPA RCRA inspections, USDOE and OEPA entered into a Consent Decree governing restoration of the environment at DOE-PORTS. This decree includes a requirement that DOE close the X-701B, X-749, X-231B, and X-616 units within specific timeframes. The X-749, X-616 and X-231B units have now been closed. X-701B is yet to be closed.

On October 4, 1995, DFFOs were signed which allowed DOE to store LDR wastes in excess of one year, so long as waste is being stored in compliance with the orders and an approved site treatment plan. These orders supercede the May 18, 1993, DFFOs.

On February 24, 1998, DOE, LMES and Ohio signed DFFOs and a Consent Order regarding past violations and the management of DUF6 and LiOH. This order was amended on March 12, 2004 and June 23, 2005. The latest amendment added LLP and UDS to the order.

On March 18, 1999, DOE and Ohio EPA signed DFFOs. These DFFOs provide exemptions to DOE and integrate the following unclosed units into the CMS/CMI process: X-749, X-231B, X-701C, X701B, X-230J7, and X-744Y.

A Part B permit was issued to DOE and its current co-operator, Bechtel Jacobs, for the X-7725 and X-326 storage facilities on March 15, 2001.

GENERAL CONDITIONS OF PERMIT

GENERAL PERMIT COMPLIANCE AND ACTIVITIES

1	Has the expiration date of the permit passed? If so:	Yes___No X N/A ___RMK#
	a. Is the permittee continuing any activity regulated by the permit after the expiration date of the permit?	Yes___No___ N/A X RMK#
	b. Has the facility submitted an application for a permit renewal to the director no later than 180 days prior to the expiration date of the permit? (Or upon a later date if the permittee can demonstrate good cause for late submittal.) [Condition A.6.(a)]	Yes___No___ N/A X RMK#

NOTE: *The permittee may continue to operate in accordance with the terms and conditions of the expired permit until a renewal permit is issued or denied if:*

A. The permittee has submitted a timely and complete application for a renewal permit under OAC rule 3745-50-40; and

B. Through no fault of the permittee, a new permit has not been issued pursuant to OAC rule 3745-50-40 on or before the expiration date of the permit. [Condition A.6.(b)]

2.	Has the permittee submitted the annual permit fee, payable to "Treasurer, State of Ohio," to Ohio EPA on or before the anniversary of the date of issuance during the term of the permit? [Condition A.26]	Yes X No___ N/A ___RMK#
3.	Is the permittee conducting any hazardous waste management activities (not otherwise exempt by law) which are not authorized by the permit? [Condition A.1.(b) and A.5]	Yes__No X N/A ___RMK#
4.	Have any provisions of the permit been identified as invalid? [Condition A.4.]	Yes__No X N/A ___RMK#
5.	Has the facility identified any instances of noncompliance with the permit, RC Chapter 3734. or the rules adopted thereunder, which may endanger human health or the environment? If so:	Yes__No X N/A ___RMK#
	a. Did the facility immediately report orally the following to Ohio EPA's Emergency Response Section within 24 hours of becoming aware of the circumstance(s): [Condition A.20.(a)]	
	i. Information concerning a release of any hazardous waste that may cause an endangerment to public drinking water supplies; and	Yes__No__ N/A _X_RMK#
	ii. Information concerning a release of hazardous waste, fire or explosion at the facility which could threaten human health or the environment, including a description of:	
	A. Name, address and telephone number of the owner or operator?	Yes__No__ N/A _X_RMK#
	B. Name, address and telephone number of the facility?	Yes__No__ N/A _X_RMK#
	C. Name and quantity of material(s) involved?	Yes__No__ N/A _X_RMK#
	D. The extent of injuries, if any?	Yes__No__ N/A _X_RMK#
	E. An assessment of the actual or potential hazard to the environment and human health where this is applicable?	Yes__No__ N/A _X_RMK#

	F. Estimated quantity and disposition of recovered material that resulted from the incident?	Yes__No__ N/A _X_RMK#
6	Did the permittee provide a written report to Ohio EPA's Emergency Response Section and DHWM, SEDO within five days of the time the permittee became aware of the circumstances reported in Question 5? [Condition A.21.] If so did the report contain:	Yes__No__ N/A _X_RMK#
	a. A description of the noncompliance and its cause (including exact dates and times)?	Yes__No__ N/A _X_RMK#
	b. Whether the noncompliance has been corrected and if not, the anticipated time noncompliance is expected to continue?	Yes__No__ N/A _X_RMK#
	c. Steps taken or planned to minimize the impact on human health and the environment and to reduce and prevent recurrence of the noncompliance?	Yes__No__ N/A _X_RMK#

Note: *The permittee need not comply with the five day written report requirement if the director, upon good cause shown by the permittee, waives that requirement and the permittee submits a written report within 15 days of the time the permittee becomes aware of the circumstances. [Condition A.21.(c)]*

7.	Has the permittee expeditiously taken all steps necessary to minimize or correct any adverse impact on the environment or public health resulting from noncompliance with the permit? [Condition A.8]	Yes__No__ N/A _X_RMK#
8.	Has the permittee identified any other instances of noncompliance not provided for in Question 5?	Yes__No__ N/A _X_RMK#
	a. If so, did the permittee report to the director within a month of the time at which the permittee is aware of such noncompliance? [Condition A.22.]	Yes__No__ N/A _X_RMK#
	b. Do the reports provided contain the information set forth in Condition A.20?	Yes__No__ N/A _X_RMK#
9.	Has the permittee planned any physical alterations or additions to the permitted facility?	Yes__No_X_ N/A ___RMK#
	a. If so, has the facility provided Ohio EPA with notice of such changes? [Condition A.15]	Yes__No__ N/A _X_RMK#

Note: *Such notification does not waive the permittee's duty to comply with the permit pursuant to Condition A.5.*

REMARKS

PERMIT MODIFICATION, REVISION, REVOCATION

1.	Has the permittee filed a request for a permit modification, revision or revocation since issuance of the permit? [Condition A.2.]	Yes X No___ N/A ___RMK# 2009 – [illegible]
2.	Has the permit been transferred to a new owner or operator? [Condition A.18.] If so,	Yes___No X N/A ___RMK#
	a. Has the transfer been conducted in accordance with R.C. Chapter 3734. and the rules adopted thereunder? [Condition A.18.]; and	Yes___No___ N/A X RMK#
	b. Before transferring ownership did the permittee notify the new owner in writing of the requirements of R.C. Chapter 3734. and the rules adopted thereunder and the applicable Ohio hazardous waste rules? [Condition A.18.]	Yes___No___ N/A X RMK#
3.	Has the permittee submitted reports of compliance or noncompliance with, or any progress reports on the requirements contained in any compliance schedule of the permit to Ohio EPA no later than 14 days following each scheduled date, unless otherwise specified? [Condition A.19.]	Yes___No___ N/A X RMK#
4.	Has the permittee furnished relevant information which Ohio EPA has requested to determine whether cause exists for modifying, revising, revoking or suspending the permit, or to determine compliance with the permit? [Condition A.10]	Yes X No___ N/A ___RMK#
5.	Has the facility furnished Ohio EPA, upon request, with copies of records required to be kept by the permit? [Condition A.10]	Yes X No___ N/A ___RMK#
6.	Has the permittee become aware that it failed to submit any relevant facts in the permit or issuance proceedings or that it submitted incorrect or incomplete information in permit issuance proceedings or other submissions to Ohio EPA or the HWFB? If so,	Yes___No X N/A ___RMK#
	a. Has the permittee promptly submitted such facts or corrected information to the appropriate entity? [Condition A.24.]	Yes___No___ N/A X RMK#
7.	Is the permittee maintaining records of all data used to complete the approved application and any amendments, supplements, revisions or modifications to the application? [Condition A.14.(c)]	Yes X No___ N/A ___RMK#

8.	Is the permittee retaining a complete copy of the approved application on-site? [Condition A.14.(c)]	Yes X No___ N/A ___RMK#

REMARKS

SITE ENTRY - AVAILABILITY OF RECORDS

1.	As specified in Condition A.11., has the permittee allowed the director or an authorized representative, upon proper identification and upon stating the purpose and necessity of an inspection, to:	
	a. Enter at reasonable times upon the premises where a regulated activity is located or where records are kept under the conditions of the permit?	Yes_X_No___ N/A ___RMK#
	b. Have access to and copy any records required to be kept under the conditions of the permit?	Yes_X_No___ N/A ___RMK#
	c. Inspect at reasonable times facilities, equipment (including control and monitoring equipment), practices or other operations regulated under the conditions of the permit?	Yes_X_No___ N/A ___RMK#
	d. Sample, document, or monitor any substance or parameter at any location of the facility to assure compliance with the permit or as otherwise authorized by R.C. Chapter 3734. and the rules adopted thereunder?	Yes_X_No___ N/A ___RMK#

RECORDKEEPING REQUIREMENTS

CONFIDENTIALITY

1.	Has the permittee requested confidentiality of any information of the permit in accordance with R.C. Chapter 3734 and the rules adopted thereunder? [Condition A.25.]	Yes___No X_N/A ___RMK#

OPERATING RECORD

2.	Is the permittee maintaining a written operating record at the facility as set forth in OAC rule 3745-54-73 and Condition B.22. of the permit which contains the following elements:	
	a. A description and the quantity of each hazardous waste received?	Yes X No___ N/A ___RMK#
	b. Method(s) and date(s) of treatment, storage or disposal at the facility?	Yes X No___ N/A ___RMK#
	c. The location of each hazardous waste within the facility and the quantity at each location?	Yes X No___ N/A ___RMK#
3.	Is the permittee maintaining, until closure is complete and certified, the following documents and amendments, revisions and modifications to these documents as part of its operating record: [Condition A.28.]	
	a. Waste analysis plan in accordance with OAC rule 3745-54-13 and the conditions of the permit?	Yes X No___ N/A ___RMK#
	b. Contingency plan in accordance with OAC rule 3745-54-53 and the conditions of the permit?	Yes X No___ N/A ___RMK#
	c. Closure plan in accordance with OAC rule 3745-55-12 and the conditions of the permit?	Yes X No___ N/A ___RMK#
	d. Personnel training plan and records required by OAC rule 3745-54-16 and the conditions of the permit?	Yes X No___ N/A ___RMK#
	e. Inspection schedules developed in accordance with OAC rules 3745-54-15 and 3745-55-74 and the conditions of the permit?	Yes X No___ N/A ___RMK#
4.	Have any of the documents identified in Question #3 been revised as required by the permit? If so,	Yes X No___ N/A ___RMK#
	a. Has the permittee submitted the revisions to Ohio EPA? [Condition A.28.(b)]	Yes X No___ N/A ___RMK#
	b. Has the permittee received approval in accordance with Ohio hazardous waste rules to make such changes? [Condition A.28.(b)]	Yes X No___ N/A ___RMK#

5.	Is the permittee maintaining copies of all inspection logs at the facility for a period of at least three years from the date of inspection? [Condition A.28.(c)]	Yes X No__ N/A ___RMK#

ANNUAL REPORT REQUIREMENT

6.	Is the permittee complying with annual report requirements set forth in OAC rule 3745-54-75 and the additional report requirements set forth in OAC rule 3745-54-77 and the conditions of the permit? [Condition B.25.]	Yes_X_No___ N/A ___RMK#

SAMPLING/MONITORING RECORDKEEPING REQUIREMENTS

7.	In compliance with Condition A.12.(b) of the permit, do the permittee's records of monitoring information specify the:	
	a. Date(s), exact place(s), time(s) and method(s) of sampling or measurement?	Yes X No___ N/A ___RMK#
	b. Individual(s) who performed the sampling or measurement?	Yes X No___ N/A ___RMK#
	c. Date(s) analyses were performed?	Yes X No___ N/A ___RMK#
	d. Individual(s) who performed the analyses?	Yes X No___ N/A ___RMK#
	e. Analytical technique(s) or method(s) used?	Yes X No___ N/A ___RMK#
	f. Results of such analyses?	Yes X No___ N/A ___RMK#
8.	Have the methods used to obtain a representative sample of the waste to be analyzed included the appropriate SW-846 Method or an equivalent method specified in the approved waste analysis plan? [Condition A.12.(a)]	Yes X No___ N/A ___RMK#
9.	Has Ohio EPA requested submittal of any reports or other information required by the conditions of the permit from the permittee? If so,	Yes___No X N/A ___RMK#
	a. Have the submittals been signed and certified according to OAC rules 3745-50-58(K) and 3745-50-42? [Condition A.13.]	Yes___No___ N/A X RMK#

WASTE MINIMIZATION REQUIREMENTS

10.	Has the permittee submitted a Waste Minimization Report to Ohio EPA meeting the requirements of Condition A.29. of the permit within 180 days of permit journalization?	Yes X No___ N/A ___RMK#
	a. Following the first submittal as identified above in Question #10, has the permittee submitted biennial updates to this report as required by Condition A.29.(c)?	Yes X No___ N/A ___RMK#

REMARKS

OFF-SITE SHIPMENTS/MANIFEST REQUIREMENTS

1	Is all hazardous and mixed waste transported from the facility by a properly registered transporter of hazardous and mixed waste in accordance with all applicable laws, rules and standards? [Condition A.16.]	Yes X No___ N/A ___RMK#

MANIFEST REQUIREMENTS/WASTES RECEIVED ON-SITE

2.	Upon receipt of the manifests, has the permittee signed and dated each copy of the manifest? [OAC 3745-54-71(A)(1); Condition B.24.]	Yes X No___ N/A ___RMK#
3.	For any significant discrepancies identified upon receipt of the manifest(s): did the permittee note such discrepancies on the manifest(s) in accordance with OAC rule 3745-54-71(A)(2) and Condition B.24?	Yes___No___ N/A X RMK#
	a. Did the permittee attempt to reconcile the discrepancy? [Condition B.24.]	Yes___No___ N/A X RMK#
	b. If the discrepancy was not resolved within 15 days: did the permittee submit a report, including a copy of the manifest, to the director in accordance with OAC rule 3745-54-72(B)? [Condition B.24.]	Yes___No___ N/A X RMK#
4.	Does the permittee immediately give the transporter at least one copy of the signed manifest? [OAC 3745-54-71(A)(3); Condition B.24.]	Yes X No___ N/A ___RMK#
5.	Does the permittee provide the generator with a copy of the manifest within 30 days of receipt of waste on-site? [OAC 3745-54-71(A)(4); Condition B.24.]	Yes X No___ N/A ___RMK#
6.	Does the permittee retain a copy of each manifest on-site for at least three years from the date of delivery? [OAC 3745-54-71(A)(5); Condition B.24.]	Yes X No___ N/A ___RMK#
7.	Has the permittee received any hazardous waste or mixed waste from off-site, other than as described in Condition B.2(b)?	Yes___No X N/A ___RMK#

WASTE ANALYSIS/WASTE ANALYSIS PLAN

GENERAL REQUIREMENTS

1.	Does the permittee have a detailed chemical and physical analysis of waste streams which contains all information which is necessary to properly treat, store or dispose of the waste in accordance with OAC Chapters 3745-54 to 3745-57 and Condition B.3 of the permit (Section C of the approved permit application)? [OAC 3745-54-13(A)(1)]	Yes X No___ N/A ___RMK#
2.	Since the last inspection, were any wastes generated by the facility which were unable to be characterized through process knowledge? If so,	Yes___No X N/A ___RMK#
	a. Were the waste analysis procedures described in Section C of the approved permit application followed?	Yes___No___ N/A X RMK#
3.	Is the permittee following the procedures described in the approved waste analysis plan (Section C of approved permit application) and the requirements of OAC rule 3745-54-13? [Condition B.3.]	Yes X No___ N/A ___RMK#
4.	Is the permittee maintaining waste analysis data in the facility's operating record as required by OAC rule 3745-54-73 and Condition B.22. of the permit?	Yes X No___ N/A ___RMK#

WASTE ANALYSIS QUALITY ASSURANCE REQUIREMENTS

5.	Is the permittee verifying the analysis of each waste stream annually as part of its quality assurance program in accordance with SW-846? [Condition B.3.]	Yes X No___ N/A ___RMK#
6.	In accordance with Condition B.3. of the permit, does the permittee's quality assurance plan ensure that the permittee is, at a minimum:	
	a. Maintaining property functional instruments?	Yes X No___ N/A ___RMK#
	b. Using approved sampling/analytical methods?	Yes X No___ N/A ___RMK#
	c. Verifying the validity of sampling and analytical procedures and performance of correct calculations?	Yes X No___ N/A ___RMK#
7.	If the permittee uses a contract laboratory to perform analyses, did the permittee inform the laboratory in writing that it must operate under the waste analysis conditions set forth in this permit?	Yes X No___ N/A ___RMK#

REMARKS

GENERAL INSPECTION REQUIREMENTS

1.	Is the permittee following the inspection procedures and schedules described in Section F of the approved permit application and the requirements of OAC rule 3745-54-15? [Condition B.5.]	Yes X No___ N/A ___RMK#
2.	Does the permittee inspect the facility with such regularity as to identify problems resulting from deterioration, malfunctions, operator errors or discharges which may lead to a release of hazardous waste to the environment or a threat to human health? [OAC 3745-54-15(A)(1)(2)]	Yes X No___ N/A ___RMK#
3.	Is the permittee following the approved inspection schedule for inspecting: monitoring equipment, safety equipment, emergency equipment, security devices and operating and structural equipment as specified in OAC rule 3745-54-15?	Yes X No___ N/A ___RMK#
	a. Is the schedule kept at the facility? [OAC 3745-54-15(B)(2)]	Yes X No___ N/A ___RMK#
	b. Does the schedule identify the types of problems which are to be looked for during the inspection? [OAC 3745-54-15(B)(3)]	Yes X No___ N/A ___RMK#
	c. Does the schedule include inspection of areas subject to spills daily when in use and according to other applicable regulations when not in use? [OAC 3745-54-15(B)(4)]	Yes X No___ N/A ___RMK#
4.	Does the permittee remedy deterioration or any malfunctions discovered by an inspection as required by OAC rule 3745-54-15(C)? [Condition B.5.]	Yes X No___ N/A ___RMK#
5.	Is the permittee maintaining records of inspections for a minimum of three years? [Condition B.5.]	Yes X No___ N/A ___RMK#
6.	In accordance with OAC rule 3745-54-15(D) and Condition B.5. of the permit, do inspection records contain the following information:	
	a. Date and time of inspection?	Yes X No___ N/A ___RMK#
	b. Signature of inspector?	Yes X No___ N/A ___RMK#
	c. Notation of observations made?	Yes X No___ N/A ___RMK#
	d. Date/nature of any repairs or other remedial actions?	Yes X No___ N/A ___RMK#

SECURITY PROVISIONS/FACILITY OPERATION

1.	Is the permittee complying with the security provisions of OAC rule 3745-54-14(B)(1) and B(2) and (C) and Section F of the approved permit application, including the following: [Condition B.4.]	
	a. Does the permittee have a 24-hour surveillance system which continuously monitors and controls entry onto the active portion of the facility;	Yes X No___ N/A ___RMK#
	b. An artificial or natural barrier (in good repair) which completely surrounds the active portion of the facility; or	Yes X No___ N/A ___RMK#
	c. A means to control entry, at all times, through gates or other entrances, to the active portion of the facility?	Yes X No___ N/A ___RMK#
2.	In accordance with OAC rule 3445-54-14(C), does the permittee have signs reading "Danger-Unauthorized Personnel Keep Out" posted at each entrance and at other locations and in sufficient numbers to be seen when approaching the active portion of the facility? [Condition B.4.]	Yes X No___ N/A ___RMK#
3.	Is construction, maintenance and operation of the facility being conducted to minimize the possibility of a fire, explosion, or unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, ground or surface waters? [Condition B.1.]	Yes X No___ N/A ___RMK#

PERSONNEL TRAINING

1.	Is the facility conducting personnel training in accordance with Section H of the approved permit application and the following requirements of OAC rule 3745-54-16: [Condition B.6.]	
	a. The facility provides personnel training which includes instruction in safe equipment operation and emergency procedures and implementation of the contingency plan? [OAC 3745-54-16(A)(B)(C)]	Yes X No___ N/A ___RMK#
	b. The facility provides personnel training to new employees within six months after their date of employment as required by OAC 3745-54-16(B)?	Yes X No___ N/A ___RMK#
	c. The facility provides an annual refresher training course as required by OAC rule 3745-54-16(B)?	Yes X No_ N/A ___RMK#
2.	Is the permittee maintaining personnel training records as required by OAC rule 3745-54-16(D) and of the approved application, including: written job titles, job descriptions and documented employee training records? [Condition B.6.]	Yes X No___ N/A ___RMK#

REQUIRED EQUIPMENT

1.	Is the permittee, at a minimum, maintaining the equipment set forth in the approved permit application (Section G) at the facility? [Condition B.9.]	Yes X No___ N/A ___RMK#
2.	Is the permittee inspecting, testing, and maintaining the equipment specified in Question #1 to assure its proper operation as specified in OAC rule 3745-54-33, the inspection plans and Section G of the approved permit application? [Condition B.10.]	Yes X No___ N/A ___RMK#
3.	Whenever hazardous waste is being managed at the facility, has the permittee provided all personnel involved in the operation with immediate access to an internal alarm or emergency communication device as required by OAC rule 3745-54-34 and Section G of the approved permit application? [Condition B.11.]	Yes X No___ N/A ___RMK#

CONTINGENCY PLAN REQUIREMENTS

EMERGENCY PROCEDURES

1.	In compliance with Condition B.13.(a) of the permit, does the permittee:	
	a. Familiarize the emergency response agencies likely to respond to an emergency at the facility with:	
	i. The location and layout of the facility?	Yes X No__ N/A ___RMK#
	ii. Properties of hazardous waste and mixed waste managed at the facility and associated hazards?	Yes X No__ N/A ___RMK#
	iii. Places where facility personnel will normally be working?	Yes X No__ N/A ___RMK#
	iv. Entrances to and roads inside the facility?	Yes X No__ N/A ___RMK#
	v. Evacuation routes as depicted in Section G of the permit application?	Yes X No__ N/A ___RMK#
	b. Inform emergency response agencies of safety equipment, supplies, proper emergency procedures that are applicable to the facility, and any further requirements imposed by the permit?; and	Yes X No__ N/A ___RMK#
	c. Familiarize local police and fire departments, local hospitals and other local emergency services with the properties of hazardous waste and mixed waste managed at the facility and the types of injuries which could result from fires, explosions or a release of hazardous wastes at the facility?	Yes X No__ N/A ___RMK#
2.	Is the permittee in compliance with the requirements of OAC rule 3745-54-56 and Section G of the approved permit application regarding emergency procedures? [Condition B.20.]	Yes X No__ N/A ___RMK#

EMERGENCY AUTHORITIES

3.	Has a state or local agency declined to enter into the arrangements set forth in OAC rule 3745-54-37(A)? If so,	Yes___No_X_ N/A ___RMK#
	a. Has the permittee documented the refusal in the operating record as required by OAC rule 3745-54-37(B)? [Condition B.13.(b)]	Yes___No___ N/A _X_RMK#
4.	Has the permittee, in accordance with OAC rule 3745-54-53 submitted a copy of the approved contingency plan (including amendments, revisions or changes) to all local authorities, agencies and response contractors designated in the approved contingency plan? [Condition B.18.]	Yes_X_No___ N/A ___RMK#
5.	Has the permittee notified the agencies in Question #4, in writing, within ten days of the effective date of any amendments or revisions to the Plan? [Condition B.18.(b)]	Yes_X_No___ N/A ___RMK#
6.	Has the permittee submitted a copy of the approved contingency plan and all revisions, amendments and modifications to the Ohio EPA, Division of Emergency and Remedial Response in accordance with OAC rule 3745-54-53? [Condition B.18.(c)]	Yes_X_No___ N/A ___RMK#

EMERGENCY COORDINATOR

7.	Is the permittee in compliance with the requirements of OAC rule 3745-54-55 with regard to the emergency coordinator? [Condition B.19.]	Yes X No__ N/A ___RMK#

AMENDMENT OF PLAN

8.	Is the permittee reviewing the approved contingency plan regularly and amending the plan immediately if needed in compliance with OAC rule 3745-54-54? [Condition B.17.]	Yes X No___ N/A ___RMK#

Note: *Also see Question #4 of RECORDKEEPING REQUIREMENTS to verify that any changes to the contingency plan were submitted in accordance with OAC rule 3745-50-51.*

IMPLEMENTATION OF PLAN

9.	Has there been a fire, explosion or release of hazardous waste or mixed waste or constituents at the facility since the last date of inspection as described by Condition B.14. of the permit? If so,	Yes___No X_ N/A ___RMK#
	a. Did the permittee immediately implement the approved contingency plan and follow the emergency procedures described in OAC rule 3745-54-56? [Condition B.14.]	Yes___No___ N/A _X_RMK#
	b. Did the permittee collect and manage released material, emergency response material and by-products as hazardous waste or mixed waste until making a demonstration to Ohio EPA that such materials are not subject to Ohio hazardous waste rules? [Condition B.16.]	Yes___No___ N/A _X_RMK#
	c. Within 15 days of the incident did the permittee submit, to the director, a written report of the incident? If so,	Yes___No___ N/A _X_RMK#
	i. Did the report contain the elements set forth in OAC rule 3745-54-56(J)? [Condition B.23.] ***Note:*** *See also Conditions A.21. and A.22. of the permit for additional reporting/recordkeeping requirements.*	Yes___No___ N/A _X_RMK#
	d. Did the permittee note in the operating record the time, date and details of any incident that required the implementation of the approved contingency plan? [Condition B.23.]	Yes___No___ N/A _X_RMK#

REMARKS

CONTINGENCY PLAN REQUIREMENTS

CLOSURE PLAN/AMENDMENT

1.	Is the permittee maintaining at the facility, the approved closure plan which contains the elements set forth in OAC rule 3745-55-12? [Condition B.29.]	Yes X No___ N/A ___RMK#
2.	Has the permittee amended the closure plan? If so,	Yes___No X N/A ___RMK#
	a. Has the plan been amended in accordance with OAC rule 3745-55-12(C)? [Condition B.28.]	Yes___No___ N/A X RMK#

NOTE: *Also see RECORDKEEPING REQUIREMENTS (Question #4) in order to verify that any changes to the closure plan were submitted in accordance with OAC rule 3745-50-51.*

CLOSURE ACTIVITIES

3	Has the permittee closed the facility? If so,	Yes___No_X_ N/A ___RMK#
	a. Was closure conducted in accordance with the closure performance standard of OAC rule 3745-55-11? [Condition B.26.]	Yes___No___ N/A _X_RMK#
	b. Did the permittee carry-out the approved closure plan as set forth in the permit application and terms and conditions of the permit? [Condition B.26.]	Yes___No___ N/A _X_RMK#
	c. After receiving the final volume of hazardous waste, did the permittee remove from the facility all hazardous waste and mixed waste and complete closure activities in accordance with the schedule specified in the approved closure plan and as required by OAC rule 3745-55-13? [Condition B.31.]	Yes___No___ N/A _X_RMK#
	d. Has the permittee decontaminated and/or disposed of all facility equipment, structures and soils as required by OAC rule 3745-55-14 and the approved closure plan? [Condition B.32.]	Yes___No___ N/A _X_RMK#
	e. Did the permittee notify Ohio EPA's Southeast District Office within five working days prior to all rinseate and soil sampling? [Condition B.32.(b)]	Yes___No___ N/A _X_RMK#
	f. Has the permittee certified that the facility has been closed in accordance with the specifications in the approved closure plan as required by OAC rule 3745-55-15? [Condition B.33.]	Yes___No___ N/A _X_RMK#

REMARKS

REQUIREMENTS FOR IGNITABLE, REACTIVE OR INCOMPATIBLE WASTES

1.	Is the permittee following the procedures as specified in OAC rules 3745-54-17, 3745-55-77 and Section F of the approved application when managing ignitable, reactive and/or incompatible wastes? [Conditions B.7.(a) and C.10. and C.11.]	Yes X No___ N/A ___RMK#
2.	Does the permittee ***not*** store incompatible waste ***except*** in accordance with OAC rules 3745-54-17(B) and 3745-55-77, and the terms and conditions of this permit? [Condition C.11.(a)]	Yes X No___ N/A ___RMK#
3.	Does the permittee take precautions to prevent placing hazardous waste or mixed waste in an unwashed container that previously held an incompatible waste or material? [Condition C.11.(b)]	Yes X No___ N/A ___RMK#
4.	Does the permittee ensure that all containers of incompatible wastes are physically separated from other incompatible wastes or materials by a wall, berm, dike, or other device in accordance with OAC rule 3745-55-77 and the Appendix to OAC rule 3745-55-99? [Condition C.11.(c)]	Yes X No___ N/A ___RMK#
	a. Are all containers of aqueous hazardous acids (ph $\leq$ 2) and caustics ph $\geq$ 12.5) sorted on different pallets and physically separated in different rooms? [Condition C.11.(c)]	Yes X No___ N/A ___RMK#
	b. Are aqueous acids and caustics in poly bottles, and other containers requiring nuclear criticality safety spacing physically separated in the same room by a dike? [Condition C.11.(c)]	Yes X No___ N/A ___RMK#
	c. Are containers of cyanides and sodium metals being stored in rooms physically separate from other incompatible wastes or other incompatible materials? [Condition C.11.(c)]	Yes X No___ N/A ___RMK#
5.	Does the permittee provide electrical grounding for all containers, tanks and transport vehicles during all operations involving the handling of flammable and/or combustible wastes? [Condition B.7.(b)]	Yes X No___ N/A ___RMK#
6.	Does the permittee provide and require the use of spark proof tools during all operations involving the handling of flammable and/or combustible wastes? [Condition B.7.(c)]	Yes X No___ N/A ___RMK#

7.	Does the permittee prohibit smoking and open flames in areas where hazardous wastes are managed and post appropriate signs? [Condition B.7.(d)]	Yes X No___ N/A ___RMK#

8.	As required by OAC rule 3745-55-76, does the permittee store containers of ignitable or reactive wastes greater than 15 meters (50 feet) away from the Portsmouth Gaseous Diffusion Plant reservation boundary? [Condition C.10.(a)]	Yes X No___ N/A ___RMK#

REMARKS

STORAGE OF HAZARDOUS WASTES IN CONTAINERS

NOTE: *The requirements of permit Condition C do not apply to the permittee's activities as a generator accumulating hazardous waste for < 90 days per OAC rule 3745-52-34(A). Please complete the applicable sections of the Generator Requirements checklist to document compliance with activities associated with < 90-day accumulation of wastes.*

1.	Is the permittee storing in containers, only those wastes as specified in Section A of the Part B permit application? [Condition C.1.(a), C.2.]	Yes X No___ N/A ___RMK#

2.	Does the permittee limit the total quantity of containerized waste in the container storage area to 133,000 gallons at any given time in the permitted container areas, located in building X-326 and no more than 5,456,000 gallons at any given time in the permitted storage areas located in building X-7725? [Condition C.1.(a)]	Yes X No___ N/A ___RMK#

NOTE: *For the purposes of compliance with the capacity limitation of the permit, each container will be considered to be storing an amount of hazardous waste equal to its capacity. For example, a 55-gallon drum will be considered to be holding 55 gallons of waste, regardless of the actual quantity stored in the drum. [Condition C.1.(b)]*

3.	When accumulating waste within the permitted X-7725 and X-326 container storage area, does the permittee ensure that the total amount of waste (both > 90 days and < 90 days) does not exceed the maximum container storage inventory established under Condition C.1.? [Condition C.1.(c)]	Yes X No___ N/A ___RMK#
4.	Are hazardous wastes subject to regulation by the permit stored only at the designated container storage area described in the approved permit application? (See Section D of the permit application) [Condition C.1.(a)]	Yes X No___ N/A ___RMK#
5.	Is each container stored clearly marked to identify its contents and the date each period of accumulation/storage begins? (See Section D of the permit application) [Condition C.3.]	Yes X No___ N/A ___RMK#
6.	Does the permittee store hazardous waste in the types of containers described in Section D of the approved permit application? [Condition C.1.(a)]	Yes X No___ N/A ___RMK#

CONDITION OF CONTAINERS

8.	Are containers holding hazardous wastes in good condition? [Condition C.3.]	Yes X No___ N/A ___RMK#
	a. If not, (e.g., severe rusting, structural defects) did the permittee transfer the hazardous waste from such a container to a container that is in good condition or otherwise manage the waste in a manner that complies with the conditions of the permit and OAC rule 3745-55-71? [Condition C.3.]	Yes___No__ N/A _X__RMK#
9.	Does the permittee ensure that all containers used at the facility are compatible with the hazardous waste to be stored in them as required by OAC rule 3745-55-72? [Condition C.4.]	Yes X No___ N/A ___RMK#
10.	Is storage conducted in the container storage containment system as described in Condition C.1. of the permit and Section D of the approved permit application? [Condition C.5.(a)]	Yes X No___ N/A ___RMK#
11.	Does the permittee keep all containers closed during storage except when it is necessary to add or remove waste as required by OAC rule 3745-55-73? [Condition C.5.(b)]	Yes X No___ N/A ___RMK#
12.	Are lab-pack wastes handled in compliance with applicable storage requirements? [Condition C.5.(c)]	Yes X No___ N/A ___RMK#
13.	Are lab-pack wastes packaged in drums containing absorbent material that is compatible with the wastes? [Condition C.5.(d)]	Yes X No___ N/A ___RMK#

INSPECTIONS

14.	Is the permittee inspecting the container area weekly in accordance with OAC rules 3745-54-15, and 3745-54-73 and the approved inspection schedule (Section F) to detect leaking containers and deterioration of containers and the containment system? [Condition C.8.]	Yes X No___ N/A ___RMK#
	a. Does the permittee note the results of these inspections in the inspection log along with any remedial action taken? [Condition C.8.]	Yes X No___ N/A ___RMK#
	b. On days when containerized waste are added or removed to and/or from any of the permitted areas for storage, does the permittee conduct inspections as described in Section F of the approved Part B permit application and maintain the inspection results in the facility operating record? [Condition C.8.]	Yes X No___ N/A ___RMK#

CONTAINMENT SYSTEM

15.	Does the permittee maintain the containment system as described in Section D of the approved Part B permit application, including: [Condition C.6.]	Yes X No___ N/A ___RMK#
	a. Sufficient design to contain 10% of the total volume of the containers or the volume of the largest container, whichever is greater? [Condition C.6.(b)]	Yes X No___ N/A ___RMK#
	b. A system which is free of gaps and sufficiently impervious to contain leaks and spills?	Yes X No___ N/A ___RMK#
	c. Equipped with a coating which is compatible with each waste stored in the area?	Yes X No___ N/A ___RMK#
	d. *For those wastes which are deemed incompatible with liner material:* Has the permittee installed a separate secondary containment structure within the existing structure which is equipped with a compatible liner?	Yes___No___ N/A X RMK#
16.	Has the permittee had a spill or leak of wastes or an accumulation of precipitation in the containment system? If so,	Yes___No X N/A ___RMK#
	a. Are spilled or leaked wastes and accumulated precipitation removed from the sump or collection area in a timely manner? [Condition C.6.(c)]	Yes___No___ N/A X RMK#
	b. Does removal of spilled/leaked wastes and accumulated precipitation occur within 24 hours from the time the spill or leak waste is discovered? [Condition C.6.(c)]	Yes___No___ N/A X RMK#

REQUIRED AISLE SPACE

17.	Is the permittee maintaining aisle space to allow unobstructed movement of personnel, fire protection equipment, spill control equipment and decontamination equipment in the event of an emergency to any area of the facility as required by OAC rule 3745-54-35? [Condition B.12.]	Yes_X_No___ N/A ___RMK#

CLOSURE AND POST-CLOSURE

18.	At closure of the container storage area, did the permittee remove all hazardous waste, hazardous waste residues, mixed waste and mixed waste residues from the containment system, in accordance with the procedures set forth in the approved closure plan (Section I of the permit application)? [Condition C.13.(a)]	Yes___No___ N/A _X_RMK#

19.	During closure, if the permittee could not demonstrate that all contaminated soils could be removed, did the permittee close the unit and perform post-closure care following a plan approved by Ohio EPA? [Condition C.13.(b)]	Yes___No___ N/A _X_RMK#

CONTAINER STORAGE OF RESIDUAL WASTE

20.	Is the permittee complying with the provisions of Section C-2E of the application as amended pursuant to Condition B.2.(b) of this permit?	Yes_X_No___ N/A ___RMK#

LAND DISPOSAL RESTRICTION REQUIREMENTS

PROHIBITION AGAINST DILUTION

1.	Has the permittee updated the annual Federal Facility Compliance Act Schedule? [OAC rule 3745-270-50; Condition B.36.]	Yes X No___ N/A ___RMK#
2.	Does the entity dilute a restricted waste or a treatment residue from a restricted waste: [OAC rule 3745-270-40 through 49; Condition B.36.(c)]	Yes___No X N/A ___RMK#
	a. As a substitute for adequate treatment to achieve compliance with LDR treatment standards?	Yes___No___ N/A X RMK#
	b. To circumvent the effective date of a prohibition (e.g., to dilute a "non-wastewater" waste to a "wastewater" to avoid complying with the "non-wastewater" treatment standard)?	Yes___No___ N/A X RMK#
	c. To otherwise avoid a prohibition in OAC rule 3745-270-30 through -39?	Yes___No___ N/A X RMK#
	d. To otherwise avoid a prohibition imposed by Section 3004(d) of RCRA?	Yes___No___ N/A X RMK#

NOTE: *If the answer to any of Questions 2(a) through 2(d) above is yes, the entity is impermissibly diluting a restricted waste and is in violation of OAC rule 3745-270-03 [Condition B.36.]. Dilution of wastes is permissible under some conditions. See OAC rule 3745-270-03(B).*

GENERATOR REQUIREMENTS

3.	Has the generator adequately evaluated all wastes to determine if they are restricted from land disposal? [OAC rule 3745-270-07; Condition B.36.(e)]	Yes X No_ N/A ___RMK#
	a. ***For determinations based solely on knowledge of the waste***: Is supporting data used to make this determination being retained on-site? [OAC rule 3745-270-07; Condition B.36.(e)]	Yes X No___ N/A ___RMK#
	b. ***For determinations based upon analytical testing***: Is a copy of waste analysis data being retained on-site? [OAC rule 3745-270-07; Condition B.36.(e)]	Yes X No___ N/A ___RMK#
4.	Has the generator determined the correct "treatability group" for each waste restricted from land disposal (e.g., wastewater, non-wastewater, high arsenic, low arsenic, high zinc, low zinc, etc.)? [OAC rule 3745-270-07; Condition B.36.(e)]	Yes X No___ N/A ___RMK#
5.	Has the generator correctly determined if restricted wastes meet or exceed treatment standards? [OAC rule 3745-270-07(A); Condition B.36.(e)]	Yes X No___ N/A ___RMK#
6.	Does the entity generate any listed waste(s) which are restricted from land disposal? If so,	Yes X No___ N/A ___RMK#
	a. Do such wastes also exhibit hazardous waste characteristics as identified in OAC rules 3745-51-20 to 3745-51-24?	Yes X No___ N/A ___RMK#
	b. ***For listed wastes which also exhibit a characteristic***: Does the generator also identify the appropriate treatment standard for the constituent(s) which cause the waste to exhibit the characteristic(s)? [OAC rule 3745-270-09(A)]	Yes X No___ N/A ___RMK#

NOTE: *The generator is not required to identify the treatment standard for the characteristic if the listing covers the associated characteristic (e.g., a F019/D007 hazardous waste - F019 being listed due to chromium content and D007 being the characteristic waste code for chromium). [See OAC rule 3745-270-09(B)].*

NOTIFICATION/CERTIFICATION

_____

_____

_____

7.	***For wastes that do not meet treatment standards:*** Has the generator submitted a one-time written notice to the treatment/storage facility receiving the wastes, that wastes being received do not meet treatment standards? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)]	Yes X No___ N/A ___RMK#
	If so, does the notice including the following:	
	a. EPA hazardous waste number? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)]	Yes X No___ N/A ___RMK#
	b. Appropriate treatment standard for the waste? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)]	Yes X No___ N/A ___RMK#
	c. The manifest number associated with the first shipment of waste? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)]	Yes X No___ N/A ___RMK#
	d. Waste analysis data, where available? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)]	Yes X No___ N/A ___RMK#
	e. Applicable wastewater/non-wastewater category [OAC rule 3745-270-07(A)(2); Condition B.36.(j)]	Yes X No___ N/A ___RMK#
	f. For hazardous debris, list the contaminants subject to treatment, as described in paragraph (B) of OAC rule 3745-270-45; and an indication that these contaminants are being treated to comply with OAC rule 3745-270-45.	Yes X No___ N/A ___RMK#

LARGE QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS - BATTERIES AND LAMPS

Large Quantity Universal Waste Handler (LQUWH) = 5,000 Kg or more
Small Quantity Universal Waste Handler (SQUWH) = 5,000 Kg or less

GENERAL REQUIREMENTS

1. Has the LQUWH obtained a U.S. EPA Identification number before exceeding 5,000 kg limit? [3745-273-32(A)(1)] — Yes ✓ No ❑ N/A ___RMK#___

PROHIBITIONS

2. Did the LQUWH dispose of universal waste? [3845-273-31(A)] — Yes ❑ No ✓ N/A ___RMK#___

3. Did the LQUWH dilute or treat universal waste, except when responding to releases or by managing specific wastes as provided in OAC 3745-273-33? [3745-273-31(B)] — Yes ❑ No ✓ N/A ___RMK#___

WASTE MANAGEMENT AND LABELING/MARKING

UNIVERSAL WASTE BATTERIES:

4. Are battery(ies) that show evidence of leakage, spillage or damage that could cause leaks contained? [3745-273-33(A)(1)] — Yes ✓ No ❑ N/A ___RMK#___

5. If the batteries are contained, are the containers closed, structurally sound, compatible with the contents of the battery and lack evidence of leakage, spillage or damage that could cause leakage? — Yes ✓ No ❑ N/A ___RMK#___

6. Does the LQUWH conduct any of the following activities:

   a. Sort batteries by type? — Yes ✓ No___ N/A ___RMK#___

   b. Mix battery types in one container? — Yes___ No ✓ N/A ___RMK#___

   c. Discharge batteries to remove the electric charge? — Yes___ No ✓ N/A ___RMK#___

   d. Regenerate used batteries? — Yes___ No ✓ N/A ___RMK#___

   e. Disassemble them into individual batteries or cells? — Yes___ No ✓ N/A ___RMK#___

   f. Remove batteries from consumer products? — Yes___ No ✓ N/A ___RMK#___

   g. Remove the electrolyte from the battery? — Yes___ No ✓ N/A ___RMK#___

If so, are the casings of the batteries breached, not intact, or open (except to remove the electrolyte)? [3745-273-33(A)(2)] — Yes ❑ No___ N/A X RMK#___

7. If the electrolyte is removed or other wastes generated, has it been determined whether the electrolyte or other wastes exhibit a characteristic of a hazardous waste? [3745-273-33(A)(3)] — Yes ___ No ❑ N/A X RMK#___

   a. If the electrolyte or other waste is characteristic, is it managed in compliance with OAC Chapters 3745-50 through 3745-69? [3745-273-33(A)(3)] — Yes ___ No ❑ N/A ___ RMK#___

   b. If the electrolyte or other waste is not hazardous, is it managed in compliance with applicable law? [3745-273-33(A)(3)(b)] — Yes ___ No ❑ N/A ___ RMK#___

8. Are the battery(ies) or container(s) of batteries located with the words "Universal Waste-Battery(ies)" or "Waste Battery(ies)" or "Used Battery(ies)"? [3745-273-34(A)] — Yes ___ No ❑ N/A X RMK#___

UNIVERSAL WASTE LAMPS

9. Does the LQUHW contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and are compatible with contents of the lamps? Are containers or packages closed and do they lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-33(D)(1) — Yes X No ❑ N/A ___ RMK#___

10. Are lamps that show evidence of breakage, leakage or damage that could cause a release of mercury or hazardous constituents into the environment immediately cleaned up? Are they placed into a container that is closed, structurally sound, compatible with the contents of the lamps and lack evidence of leakage, spillage or damage that could cause leakage or releases of mercury or hazardous constituents to the environment? [3745-273-33(D)(2)] — Yes X No ❑ N/A ___ RMK#___

11. Are the lamps or containers or packages of lamps labeled with the words "Universal Waste - Lamp(s)" or "Waste Lamp(s)" or "Used Lamps?" [3745-273-34(E)] — Yes ✓ No ❑ N/A ___RMK#___

Note: Treatment (such as crushing) by a UWH is prohibited under this rule unless the facility is permitted for such activities [3745-273-31(B)]. A generator crushing lamps must manage lamps according to hazardous waste rules (OAC Chapter 3745-52). Lamp crushing is a form of generator treatment (OAC 3745-52-34). Crushed lamps must be transported by a registered hazardous waste transporter to a permitted hazardous waste facility under a hazardous waste manifest.

12. ***ACCUMULATION TIME***

Is the waste accumulated for less than one year? [3745-273-35(A)] — Yes ✓ No___ N/A ___RMK#___

a. If not, is the waste accumulated over one year in order to facilitate proper recovery, treatment or disposal? (Burden of proof is on handler to demonstrate) [3745-273-35(B)] — Yes ___ No ❑ N/A ✓ RMK#___

NOTE: ***Accumulation is defined as date generated or date received from another handler.***

13. Has the length of time the universal waste has been accumulated documented by ***one*** of the following: [3745-273-35(C)] — Yes ✓ No ❑ N/A ___RMK#___

a. Marking or labeling the container with the earliest date when the universal waste became a waste or was received? [3745-273-35(C)(1)] — Yes ✓ No___ N/A ___RMK#___

b. Marking or labeling the individual item of universal waste with the date that it became a waste or was received? [3745-273-35(C)(2)] — Yes ✓ No___ N/A ___RMK#___

c. Maintaining an inventory system on-site that identifies the date the universal waste became a waste or was received? [3745-273-35(C)(3)] — Yes___ No___ N/A ✓ RMK#___

d. Maintaining an inventory system on-site that identifies the earliest date that any universal waste in a group of universal waste items or a group of containers became a universal waste or was received? [3745-273-35(C)(4)] — Yes___ No___ N/A ✓ RMK#___

e. Placing the universal waste in a specific accumulation area and identifying the earliest that any universal waste in the area became a waste or was received? [3745-273-35(C)(5] — Yes X No___ N/A ___RMK#___

f. Any other method which clearly demonstrates the length of time the universal waste has been accumulated from the date it became a waste or is received? [3745-273-35(C)(6)] — Yes___ No___ N/A X RMK#___

EMPLOYEE TRAINING

14. Are employees thoroughly familiar with universal waste handling/emergency procedures, relative to their responsibilities? [3745-273-36] — Yes X No ❑ N/A ___RMK#___

RESPONSE TO RELEASES

15. Were releases of universal waste and other residues immediately contained? [3745-273-37(A)] — Yes X No ❑ N/A ___RMK#___

16. Was the released material characterized? [3745-273-37(B)] — Yes ___ No ❑ N/A X RMK#___

17. If the released material was a hazardous waste, was it managed as required in OAC 3745-50 through 3745-69? *(If the waste is hazardous, the handler is considered the generator of the waste and is subject to Chapter 3745-52)* [3745-273-37(C)] — Yes ___ No ❑ N/A X RMK#___

OFF-SITE SHIPMENTS

NOTE: ***If a LQUWH self-transports wastes, then the handler must comply with the Universal Waste transporter requirements.***

18. Are universal wastes sent to either another handler, destination facility or foreign destination? [3745-273-38(A)] — Yes X No ❑ N/A ___RMK#___

NOTE: ***LQUWHs are prohibited to send waste to any other facility.***

19. If the universal waste meets the definition of hazardous material under 49 CFR 171-180, are DOT requirements met with regard to package, labels, placards and shipping papers? [3745-273-38(C)] — Yes X No ❑ N/A ___RMK#___

20. Prior to shipping universal waste off-site, does the originating handler ensure that the receiver agrees to receive the shipment? [3745-273-38(D)] — Yes X No ❑ N/A ___RMK#___

21. If the universal waste shipped off-site is rejected by another handler or destination facility does the originating handler do one of the following: Yes ___ No ❑ N/A ✓ RMK#___

a. Receive the waste back? [3745-273-38(E)(1)] Yes___ No___ N/A ✓ RMK#___

b. Agree to where shipment will be sent? [3745-273-38(E)(2)] Yes___ No___ N/A ✓ RMK#___

22. If a handler rejects a partial or full load from another handler, does the receiver handler contact the originating handler and discuss one of the following: Yes ___ No ❑ N/A ✓ RMK#___

a. Sending the waste back to originating handler? [3745-273-38(F)(1)] Yes___ No___ N/A ✓ RMK#___

b. Sending the shipment to a destination facility? [3745-273-38(F)(2)] Yes___ No___ N/A ✓ RMK#___

23. If the handler received a shipment of hazardous waste that was not a universal waste, did the LQUWH immediately notify Ohio EPA? [3745-273-38(G)] Yes ___ No ❑ N/A ✓ RMK#___

24. If the handler received a shipment of non-hazardous, non-universal waste, was the waste managed in accordance with applicable law? [3745-273-38(H)] Yes ___ No ❑ N/A ✓ RMK#___

TRACKING UNIVERSAL WASTE SHIPMENTS

25. Are universal waste received from another handler? If so: Yes___ No X N/A ___RMK#___

    a. Is a record of each shipment kept? [3745-273-39(A)] Yes X No ❑ N/A ___RMK#___

NOTE: ***This record can be in the form of a log, invoice, manifest, bill of lading, or other shipping document. This also applies to question No. 35(a).***

26. Does the record include the following:

    a. Name and address of the originating handler or foreign shipper? [3745-273-39(A)(1)] Yes X No ❑ N/A ___RMK#___

    b. Quantity of each type of universal waste? [3745-273-39(A)(2)] Yes X No ❑ N/A ___RMK#___

    c. Date received? [3745-273-39(A)(3)] Yes X No ❑ N/A ___RMK#___

27. Is universal waste shipped to another handler? If so: Yes X No___ N/A ___RMK#___

    a. Is a record of each shipment kept? [3745-273-39(B)] Yes X No ❑ N/A ___RMK#___

28. Does the record include the following?

    a. Name and address of universal waste handler, destination facility, or foreign destination? [3745-273-39(B)(1)] Yes X No ❑ N/A ___RMK#___

    b. Quantity of each type of universal waste? [3745-273-39(B)(2)] Yes X No ❑ N/A ___RMK#___

    c. Date shipped? [3745-273-39(B)(3)] Yes X No ❑ N/A ___RMK#___

29. Are records kept for three years? [3745-273-39(C)(1)(2)] Yes X No ❑ N/A ___RMK#___

EXPORTS

30. Is waste being sent to a foreign destination? If so: Yes___ No X N/A ___RMK#___

    a. Does the large quantity handler comply with primary exporter requirements in OAC rules 3745-52-53, 3745-52-56 and 3745-52-57? [3745-273-40(A)] Yes ___ No ❑ N/A X RMK#___

b. Is waste exported only upon consent of the receiving country and in conformance with U.S. EPA "Acknowledgment of Consent" 3745-52-50 to -52-57? [3745-273-40(B)] Yes ___ No ❑ N/A ___RMK#___

c. Is a copy of the U.S. EPA "Acknowledgment of Consent" provided to the transporter? [3745-273-40(C)] Yes ___ No ❑ N/A ___RMK#___

REMARKS

USED OIL INSPECTION CHECKLIST (Long Version)

PROHIBITIONS

1. Is used oil being managed in a surface impoundment or waste pile? If so: — Yes___No___N/A ___RMK#___

   Is the surface impoundment or waste pile being regulated under OAC 3745-54 to 3745-57 and 3745-205 or 3745-65 to 3745-69 and 3745-256? [3745-279-12(A)] — Yes ___ No ❑ N/A ___RMK#___

2. Is used oil being used as a dust suppressant? [3745-279-12(B)] — Yes ❑ No ___ N/A ___RMK#___

3. Is off-specification used oil fuel burned for energy recovery only in devices specified in 3745-279-12(C)? — Yes ___ No ❑ N/A ___RMK#___

USED OIL GENERATOR STANDARDS

4. Does the generator mix hazardous waste with used oil only as provided in 3745-279-10(B)? [2745-279-21(A)] — Yes ___ No ❑ N/A ___RMK#___

5. Does the generator of a used oil containing greater than 1,000 ppm total halogens manage the used oil as a hazardous waste unless the presumption is rebutted successfully? [3745-279-21(B)] — Yes ___ No ❑ N/A ___RMK#___

6. Does the generator only store used oil in tanks, containers;or units subject to OAC 3745-54 to 3745-57 and 3745-205 or 3745-65 to 3745-69 and 3745-256? [3745-279-22(A)] — Yes ___ No ❑ N/A ___RMK#___

7. Are containers and aboveground tanks used to store used oil in good condition with no visible leaks? [3745-279-22(B)] — Yes ___ No ❑ N/A ___RMK#___

8. Are containers, above ground tanks, and fill pipes used for underground tanks clearly labeled or marked "Used Oil?" [3745-279-22(C)] — Yes ___ No ❑ N/A ___RMK#___

9. Has the generator, upon detection of a release of used oil, done the following: [3745-279-22(D)]

   a. Stopped the release? — Yes ___ No ❑ N/A ___RMK#___

   b. Contained the release? — Yes ___ No ❑ N/A ___RMK#___

   c. Cleaned up and properly managed the used oil and other materials? — Yes ___ No ❑ N/A ___RMK#___

   d. Repaired or replaced the containers or tanks prior to returning them to service, if necessary? — Yes ___ No ❑ N/A ___RMK#___

10. Does the generator burn used oil in used-oil fired space heaters? [3745-279-23] If so: — Yes___No___ N/A ___RMK#___

a. Does the heater burn only used oil that owner/operator generates or used oil received from household do-it-yourself (DIY) used oil generators? Yes __ No ❑ N/A X RMK#__

b. Is the heater designed to have a maximum capacity of not more that 0.5 million BTU per hour? Yes __ No ❑ N/A X RMK#__

c. Are the combustion gases from heater vented to the ambient air? Yes __ No ❑ N/A X RMK#__

11. Does the generator have the used oil hauled only by transporters that have obtained a U.S. EPA ID#, unless the generator qualifies for an exemption pursuant to 3745-279-24 (self transportation or tolling agreements)? [3745-279-24] Yes X No ❑ N/A __RMK#__

USED OIL COLLECTION CENTERS AND AGGREGATION POINTS

12. Is the DIY used oil collection center in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-30] Yes __ No ❑ N/A __RMK#__

13. Is the non-DIY used oil collection center registered with Ohio EPA? [3745-279-31] Yes __ No ❑ N/A __RMK#__

14. Is the used oil aggregation point in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-32] Yes __ No ❑ N/A __RMK#__

WASTE EVALUATION

15. Have all wastes generated at the facility been evaluated? [3745-52-11] Yes X No ❑ N/A __RMK#__

REMARKS

USED OIL TRANSPORTER AND TRANSFER FACILITIES

16.	Does the used oil transporter process used oil? [3745-279-41(A)] If so:	Yes___No___ N/A ___RMK#___
	Is the used oil transporter in compliance with the requirements for processors/re-refiners in 3745-279-50 to 3745-279-59 (except as provided in 3745-279-41(B) and (C))? [3745-279-41(A)]	Yes ___ No ❑ N/A ___RMK#___
17.	Has the used oil transporter notified Ohio EPA or U.S. EPA and obtained a U.S. EPA ID#? [3745-279-42(A)]	Yes ___ No ❑ N/A ___RMK#___
18.	Has the used oil transporter delivered all used oil to:	
	a. Another used oil transporter that has a U.S. EPA ID#? [3745-279-43(A)(1)]	Yes ___ No ❑ N/A ___RMK#___
	b. A used oil processing/re-refining facility that has a U.S. EPA ID#? [3745-279-43(A)(2)]	Yes ___ No ❑ N/A ___RMK#___
	c. An off-spec used oil burning facility that has a U.S. EPA ID#? [3745-279-43(A)(3)]	Yes ___ No ❑ N/A ___RMK#___
	d. An on-spec used oil burning facility? [3745-279-43(A)(4)]	Yes ___ No ❑ N/A ___RMK#___
19.	Has the used oil transporter complied with all applicable USDOT regulations (49 CFR 171 to 180)? [3745-279-43(B)]	Yes ___ No ❑ N/A ___RMK#___
20.	Has the used oil transporter had a discharge of used oil? If so:	Yes___No___ N/A ___RMK#___
	Did they take the appropriate action as outlined in 3745-279-43(C)?	Yes ___ No ❑ N/A ___RMK#___
21.	Has the used oil transporter determined whether the total halogen content of the used oil being transported or stored at a transfer facility is above or below 1000 ppm? [3745-279-44(A)]	Yes ___ No ❑ N/A ___RMK#___
22.	Does the transporter retain all records of analyses and information used to comply with 3745-279-44 for at least three years? [3745-279-44(D)]	Yes ___ No ❑ N/A ___RMK#___
23.	Does the owner/operator of a used oil transfer facility:	
	a. Stored used oil in tanks, containers, or units subject to regulation under 3745-54 to 3745-57 and 3745-205 or 3745-65 to 3745-69 and 3745-256? [3745-279-45(B)]	Yes ___ No ❑ N/A ___RMK#___

b. Stored used oil in containers and aboveground tanks that are in good condition, with no visible leaks? [3745-279-45(C)] Yes ___ No ❑ N/A ___RMK#___

c. Provide secondary containment for containers used to store used oil as required by 3745-279-45(D)? [3745-279-45(D)] Yes ___ No ❑ N/A ___RMK#___

d. Provide secondary containment for existing aboveground tanks required by 3745-279-45(E)? [3745-279-45(E)] Yes ___ No ❑ N/A ___RMK#___

e. Provide secondary containment for new aboveground tanks as required by 3745-279-45(F)? [3745-279-45(F)] Yes ___ No ❑ N/A ___RMK#___

f. Label all containers, aboveground tanks and fill pipes used for underground tanks with the words "Used Oil?" [3745-279-45(G)] Yes ___ No ❑ N/A ___RMK#___

g. Upon detection of a release of used oil: [3745-279-45(H)]

i. Stopped the release? Yes ___ No ❑ N/A ___RMK#___

ii. Contained the release? Yes ___ No ❑ N/A ___RMK#___

iii. Cleaned up and managed the used oil and other materials? Yes ___ No ❑ N/A ___RMK#___

iv. Repaired or replaced the containers or tanks prior to returning them to service, if necessary? Yes ___ No ❑ N/A ___RMK#___

24. Does the used oil transporter keep a record of each shipment of used oil? [3745-279-46(A)] Yes ___ No ❑ N/A ___RMK#___

a. Does each record include the name and address of the generator, transporter or processor/re-refiner who provides the used oil for transport? [3745-279-46(A)(1)] Yes ___ No ❑ N/A ___RMK#___

b. Does each record include the U.S. EPA ID# of the generator, transporter or processor/re-refiner (if applicable) that provides the used oil for transport? [3745-279-46(A)(2)] Yes ___ No ❑ N/A ___RMK#___

c. Does each record include the quantity of used oil accepted? [3745-2679-46(A)(3)] Yes ___ No ❑ N/A ___RMK#___

d. Does each record include the date of acceptance? [3745-279-46(A)(4)] Yes ___ No ❑ N/A ___RMK#___

e. Does each record include the signature of a representative of the generator, transporter, processor/re-refiner that provided the used oil for transport? [3745-279-46(A)(5)] Yes ___ No ❑ N/A ___RMK#___

25. Does the used oil transporter keep a record of each shipment of used oil that is delivered to another used oil transporter, burner, processor/re-refiner, or disposal facility? [3745-279-46(B)] Yes ___ No ❑ N/A ___RMK#___

a. Does each record include the name and address of the receiving facility or transporter? [3745-279-46(B)(1)] Yes ___ No ❑ N/A ___RMK#___

b. Does each record include the U.S. EPA ID# of the receiving facility or transporter? [3745-279-46(B)(2)] Yes ___ No ❑ N/A ___RMK#___

c. Does each record include the quantity of used oil delivered? [3745-279-46(B)(3)] Yes ___ No ❑ N/A ___RMK#___

d. Does each record include the date delivered? [3745-279-46] Yes ___ No ❑ N/A ___RMK#___

e. Does each record include the signature of a representative of the receiving facility or transporter (intermediate rail transporters are not required to sign a record of delivery)? [3745-279-46(B)(5)] Yes ___ No ❑ N/A ___RMK#___

26. Does the used oil transporter who exports used oil to a foreign country comply with 3745-279-46(B)(1) to (B)(4)? [3745-279-46(C)] Yes ___ No ❑ N/A ___RMK#___

27. Does the used oil transporter retain all records required under 3745-279-46 for at least three years? [3745-279-46(D)] Yes ___ No ❑ N/A ___RMK#___

28. Does the used oil transporter generate residues from the storage or transportation of used oil? Yes___No___ N/A ___RMK#___

If so, are they managed as specified in 3745-279-10(E)? [3745-279-47] Yes ___ No ❑ N/A ___RMK#___

REMARKS

USED OIL STANDARDS FOR PROCESSORS AND RE-REFINERS

29. Has the used oil processor and/or re-refiner notified Ohio EPA or U.S. EPA and obtained a U.S. EPA ID#? [3745-279-51(A)] — Yes ___ No ❑ N/A ___RMK#___

30. Does the owner/operator of a used oil processing or re-refining facility comply with the following:

    a. Is the facility maintained and operated to minimize the possibility of fire, explosion, or release of used oil? [3745-279-52(A)(1)] — Yes ___ No ❑ N/A ___RMK#___

    b. Is the facility equipped with the equipment in 3745-279-52(A)(2), if necessary? — Yes ___ No ❑ N/A ___RMK#___

    c. Are all communication systems, alarm systems, fire protection equipment, spill control equipment, and decontamination equipment tested and maintained as required? [3745-279-52(A)(3)] — Yes ___ No ❑ N/A ___RMK#___

    d. Is there access to communication or alarm system(s)? [3745-279-52(A)(4)] — Yes ___ No ❑ N/A ___RMK#___

    e. Is the required aisle space being maintained? [3745-279-52(A)(5)] — Yes ___ No ❑ N/A ___RMK#___

    f. Are arrangements maintained with local authorities? [3745-279-52(A)(6)] — Yes ___ No ❑ N/A ___RMK#___

31. Has the owner/operator of a used oil processing and re-refining facility complied with the following requirements:

    a. Has a contingency plan been developed? [3745-279-52(B)(1)] — Yes ___ No ❑ N/A ___RMK#___

    b. Does the contingency plan contain the requirements of 3745-279-52(B)(2)? — Yes ___ No ❑ N/A ___RMK#___

    c. Have copies and revisions been maintained and submitted to all local authorities? [3745-279-52(B)(3)] — Yes ___ No ❑ N/A ___RMK#___

    d. Is the contingency plan reviewed and amended whenever one of the events in 3745-279-52(B)(4) occurs? — Yes ___ No ❑ N/A ___RMK#___

    e. Is an emergency coordinator on the premises or on call at all times to meet the requirements of 3745-279-52(B)(5) and (6)? — Yes ___ No ❑ N/A ___RMK#___

32. Does the used oil processor/re-refiner determine whether the total halogen content of the used oil being managed at the facility is above or below 1000 ppm? [3745-279-53(A)] Yes ___ No ❑ N/A ___RMK#___

33. Does/has the used oil processor/re-refiner:

a. Only store used oil in tanks, containers or units subject to regulation under 3745-54 to 3745-57 and 3745-205 or 3745-65 to 3745-69 and 3745-256? [3745-279-54(A)] Yes ___ No ❑ N/A ___RMK#___

b. Only store used oil in containers and aboveground tanks that are in good condition, with no visible leaks? [3745-279-54(B)] Yes ___ No ❑ N/A ___RMK#___

c. Provide secondary containment for containers as required by 3745-279-54(C)? Yes ___ No ❑ N/A ___RMK#___

d. Provide secondary containment for existing aboveground tanks as required by 3745-279-54(D)? Yes ___ No ❑ N/A ___RMK#___

e. Provide secondary containment for new aboveground tanks as required by 3745-279-54(E)? Yes ___ No ❑ N/A ___RMK#___

f. Label all containers, aboveground tanks and fill pipes used for underground tanks with the words "Used Oil" [3745-279-54(F)] Yes ___ No ❑ N/A ___RMK#___

g. Upon detection of a release of used oil, done the following in accordance with 3745-279-54(G):

i. Stopped the release? Yes ___ No ❑ N/A ___RMK#___

ii. Contained the release? Yes ___ No ❑ N/A ___RMK#___

iii. Cleaned up and managed the used oil and other materials? Yes ___ No ❑ N/A ___RMK#___

iv. Repaired or replaced the containers or tanks prior to returning them to service, if necessary? Yes ___ No ❑ N/A ___RMK#___

h. Performed closure of aboveground tanks and containers in accordance with 3745-279-54(H)? Yes ___ No ❑ N/A ___RMK#___

34. Has the owner/operator of the used oil processing/re-refining facility developed, kept on-site, and followed a written waste analysis plan which meets the requirements in 3745-279-53 and, if applicable 3745-279-72? [3745-279-55] Yes ___ No ❑ N/A ___RMK#___

35. Does the used oil processor/re-refiner keep a record of each shipment of used oil accepted for processing/re-refining? [3745-279-56(A)] Yes ___ No ❑ N/A ___RMK#___

a. Does each record include the name and address of the transporter who delivered the used oil to the processor? [3745-279-56(A)(1)] Yes ___ No ❑ N/A ___RMK#___

b. Does each record include the name and address of the generator or processor/re-refiner from whom the used oil was sent for processing/re-refining? [3745-279-56(A)(2)] Yes ___ No ❑ N/A ___RMK#___

c. Does each record include the U.S. EPA ID # of the transporter who delivered the used oil to the processor/re-refiner? [3745-279-56(A)(3)] Yes ___ No ❑ N/A ___RMK#___

d. Does each record include the U.S. EPA ID # (if applicable) of the generator or processor/re-refiner from whom the used oil was sent for processing/re-refining? [3745-279-56(A)(4)] Yes ___ No ❑ N/A ___RMK#___

e. Does each record include the quantity of used oil accepted? [3745-279-56(A)(5)] Yes ___ No ❑ N/A ___RMK#___

f. Does each record include the date of acceptance? [3745-279-56(A)(6)] Yes ___ No ❑ N/A ___RMK#___

36. Does the used oil processor/re-refiner keep a record of each shipment of used oil that is shipped to a used oil burner, processor/re-refiner, or disposal facility? [3745-279-56(B)] Yes ___ No ❑ N/A ___RMK#___

a. Does each record include the name and address of the transporter who delivers the used oil to the burner, processor/re-refiner or disposal facility [3745-279-56(B)(1)] Yes ___ No ❑ N/A ___RMK#___

b. Does each record include the name and address of the burner, processor/re-refiner or disposal facility who receives the used oil? [3745-279-56(B)(2)] Yes ___ No ❑ N/A ___RMK#___

c. Does each record include the U.S. EPA ID# of the transporter that delivers the used oil to the burner, processor/re-refiner or disposal facility? [3745-279-56(B)(3)] Yes ___ No ❑ N/A ___RMK#___

d. Does each record include the U.S. EPA ID# of the burner, processor/re-refiner or disposal facility who receives the used oil? [3745-279-56(B)(4)] Yes ___ No ❑ N/A ___RMK#___

e. Does each record include the quantity of used oil shipped? [3745-279-56-(B)(5)] Yes ___ No ❑ N/A ___RMK#___

f. Does each record include the date of shipment? [3745-279-56(B)(6)] Yes ___ No ❑ N/A ___RMK#___

37. Does the used oil processor/re-refiner retain all records required under 3745-279-56 for at least three years? [3745-279-56(C)] Yes ___ No ❑ N/A ___RMK#___

38. Does the owner/operator keep an operating record at the facility? [3745-279-57(A)(1)] Yes ___ No ❑ N/A ___RMK#___

a. Does the operating record include records and results of used oil analysis performed as described in the analysis plan required under 3745-279-55? [3745-279-57(A)(2)(a)] Yes ___ No ❑ N/A ___RMK#___

b. Are summary reports and details of all incidents that require implementation of the contingency plan as specified in 3745-279-52(B) maintained in the operating record? [3745-279-57(A)(2)(b)] Yes ___ No ❑ N/A ___RMK#___

39. Does the used oil processor/re-refiner report to the director in the form of a letter, on a biennial basis by March 1, the following information:

a. The U.S. EPA ID#, name and address of the processor/re-refiner? [3745-279-57(B)(1)] Yes ___ No ❑ N/A ___RMK#___

b. The calendar year covered by the report? [3745-279-57(B)] Yes ___ No ❑ N/A ___RMK#___

c. The quantities of used oil accepted for processing/re-refining and the manner in which the used oil is processed/re-refined, including the specific processes employed? [3745-279-57(B)] Yes ___ No ❑ N/A ___RMK#___

40. Does the used oil processor/re-refiner, who initiates a shipment of used oil off-site, use a used oil transporter that has a U.S. EPA ID#? [3745-279-58] Yes ___ No ❑ N/A ___RMK#___

41. Does the used oil processor/re-refiner generate residues from the storage, processing or re-refining of used oil? [3745-279-59] Yes ___ No___ N/A ___RMK#___

If so, are the residues managed as specified in 3745-279-10(E)? [3745-279-59] Yes ___ No ❑ N/A ___RMK#___

REMARKS

STANDARDS FOR USED OIL BURNERS WHO BURN OFF-SPEC USED OIL FOR ENERGY RECOVERY

42. Is off-spec used oil fuel burned for energy recovery only in industrial furnaces identified in 3745-50-10, or boilers as defined in 3745-50-10 and identified in 3745-279-61(A)(2), or hazardous waste incinerators? [3745-279-61(A)] Yes ___ No ❑ N/A ___RMK#___

43. Does the used oil burner process used oil? [3745-279-61(B)] Yes___No___ N/A ___RMK#___

If so, have they complied with the requirements for processors in 3745-279-50 to 3745-279-59? [3745-279-61(B)] Yes ___ No ❑ N/A ___RMK#___

44. Has the used oil burner notified Ohio EPA or U.S. EPA and obtained a U.S. EPA ID#? [3745-279-62(A)] Yes ___ No ❑ N/A ___RMK#___

45. Does the used oil burner determine whether the total halogen content of the used oil being managed at the facility is above or below 1000 ppm? [3745-279-63(A)] Yes ___ No ❑ N/A ___RMK#___

46. Does the used oil burner retain records of all analyses conducted or information used to comply with 3745-279-63 for at least three years? [3745-279-63(D)] Yes ___ No ❑ N/A ___RMK#___

47. Does the used oil burner:

a. Only store used oil in tanks, containers; or units subject to regulation under 3745-54 to 3745-57 and 3745-205 or 3745-65 to 3745-69 and 3745-256? [3745-279-64(A)] Yes ___ No ❑ N/A ___RMK#___

b. Only stored used oil in containers and aboveground tanks that are in good condition, with no visible leaks? [3745-279-64(B)] Yes ___ No ❑ N/A ___RMK#___

c. Provided secondary containment for containers as required by 3745-279-64(C)? Yes ___ No ❑ N/A ___RMK#___

d. Provided secondary containment for existing aboveground tanks as required by 3745-279-64(D)? Yes ___ No ❑ N/A ___RMK#___

e. Provided secondary containment for new aboveground tanks as required by 3745-279-64(E)? Yes ___ No ❑ N/A ___RMK#___

f. Labeled all containers, aboveground tanks and fill pipes used for underground tanks with the words "Used Oil?" [3745-279-64(F)] Yes ___ No ❑ N/A ___RMK#___

g. Upon detection of a release of used oil, done the following in accordance with 3745-279-64(G):

i. Stopped the release? Yes ___ No ❑ N/A ___RMK#___

ii. Contained the release? Yes ___ No ❑ N/A ___RMK#___

iii. Cleaned up and managed the used oil and other materials? Yes ___ No ❑ N/A ___RMK#___

iv. Repaired or replaced the containers or tanks prior to returning them to service, if necessary? Yes ___ No ❑ N/A ___RMK#___

48. Does the used oil burner keep a record or each used oil shipment accepted for burning? [3745-279-65(A)] Yes ___ No ❑ N/A ___RMK#___

a. Does each record include the name and address of the transporter who delivers the used oil to the burner? [3745-279-65(A)(1)] Yes ___ No ❑ N/A ___RMK#___

b. Does each record include the name and address of the generator or processor/re-refiner who sent the used oil to the burner? [3745-279-65(A)(2)] Yes ___ No ❑ N/A ___RMK#___

c. Does each record include the U.S. EPA ID# of the transporter that delivers the used oil to the burner? [3745-279-65(A)(3)] Yes ___ No ❑ N/A ___RMK#___

d. Does each record include the U.S. EPA ID# (if applicable) of the generator or processor/re-refiner who sent the used oil to the burner? [3745-279-65(A)(4)] Yes ___ No ❑ N/A ___RMK#___

e. Does each record include the quantity of the used oil accepted? [3745-279-65(A)(5)] Yes ___ No ❑ N/A ___RMK#___

f. Does each record include the date of acceptance? [3745-279-65(A)(6)] Yes ___ No ❑ N/A ___RMK#___

49. Are the records described in 3745-27 9-65(A) maintained for at least three years? [3745-279-65(B)] Yes ___ No ❑ N/A ___RMK#___

50. Prior to accepting the first shipment of off-spec used oil fuel from a generator, transporter, or processor/re-refiner, does the used oil fuel burner provide to the generator, transporter, or processor/re-refiner a one-time written and signed notice certifying that:

a. The burner has notified Ohio EPA stating the location and general description of the used oil management activities? [3745-279-66(A)(1)] Yes ___ No ❑ N/A ___RMK#___

b. The burner will burn the used oil only in an industrial furnace or boiler identified in 3745-279-61? Yes ___ No ❑ N/A ___RMK#___

51. Is the certification maintained for at least three years from the date the burner last received a shipment of off-spec used oil from the generator, transporter, or processor/re-refiner? [3745-279-66(B)] Yes ___ No ❑ N/A ___RMK#___

52. Does the used oil burner generate residues from the storage or burning of used oil? [3745-279-67] Yes___No___ N/A ___RMK#___

If so, are the residues managed as specified in 3745-279-10(E)? [3745-279-67] Yes ___ No ❑ N/A ___RMK#___

REMARKS

STANDARDS FOR USED OIL MARKETERS

53. Does the used oil fuel marketer initiate shipments of **off-spec** used oil only to a used oil burner that has an a U.S. EPA ID# and burns the used oil in an industrial furnace or boiler identified in 3745-279-61(A)? [3745-279-71] Yes ___ No ❑ N/A ___RMK#___

54. Does the generator, transporter, processor/re-refiner, or burner who first claims that the used oil meets the specification for used oil fuel under 3745-279-11 keep copies of analyses of the used oil (or other information used to make the determination) for at least three years? [3745-279-72(B)] Yes ___ No ❑ N/A ___RMK#___

55. Has the used oil marketer notified Ohio EPA or U.S. EPA and obtained a U.S. EPA ID#? [3745-279-73(A)] Yes ___ No ❑ N/A ___RMK#___

56. Does the used oil marketer keep a record of each shipment of **off-spec** used oil directed to a used oil burner? [3745-279-74(A)] Yes ___ No ❑ N/A ___RMK#___

a. Does each record include the name and address of the transporter who delivers the used oil to the burner? [3745-279-74(A)(1)] Yes ___ No ❑ N/A ___RMK#___

b. Does each record include the name and address of the burner who receives the oil? [3745-279-74(A)(2)] Yes ___ No ❑ N/A ___RMK#___

c. Does each record include the U.S. EPA ID# of the transporter that delivers the used oil to the burner? [3745-279-74(A)(3)] Yes ___ No ❑ N/A ___RMK#___

d. Does each record include the U.S. EPA ID# of the burner? [3745-279-74(A)(4)] Yes ___ No ❑ N/A ___RMK#___

e. Does each record include the quantity of the used oil shipped? [3745-279-74(A)(5)] Yes ___ No ❑ N/A ___RMK#___

f. Does each record include the date of shipment? [3745-279-74(A)(6)] Yes ___ No ❑ N/A ___RMK#___

57. Does the generator, transporter, processor/re-refiner, or burner who first claims that the used oil **meets the fuel specifications** under 3745-279-11 keep a record of each shipment of used oil to an on-spec used oil burner? [3745-279-74(B)] Yes ___ No ❑ N/A ___RMK#___

a. Does each record include the name and address of the facility receiving the shipment? [3745-279-74(B)(1)] Yes ___ No ❑ N/A ___RMK#___

b. Does each record include quantity of used oil fuel delivered? [3745-279-74(B)(2)] Yes ___ No ❑ N/A ___RMK#___

c. Does each record include date of shipment or delivery? [3745-279-74(B)(3)] Yes ___ No ❑ N/A ___RMK#___

d. Does each record include a cross-reference to the record of used oil analysis or other information used to make the determination that the used oil meets the specification as required in 3745-279-72(A)? [3745-279-74(B)(4)] Yes ___ No ❑ N/A ___RMK#___

58. Are the records described in 3745-279-74(A) and (B) maintained for at least three years? [3745-279-74(C)] Yes ___ No ❑ N/A ___RMK#___

59. Before the used oil generator, transporter or processor/re-refiner directs the first shipment of **off-spec** used oil to a burner, does he obtain a one time written and signed notice from the burner certifying that:

a. The burner has notified Ohio EPA stating the location and general description of the used oil management activities? [3745-279-75(A)(1)] Yes ___ No ❑ N/A ___RMK#___

b. The burner will burn the off-spec used oil only in an industrial furnace or boiler identified in 3745-279-61(A)? [3745-279-75(A)(2)] Yes ___ No ❑ N/A ___RMK#___

60. Is the certification maintained for at least three years from the date the last shipment of off-spec used oil was shipped to the burner? [3745-279-75(B)] Yes ___ No ❑ N/A ___RMK#___

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REMARKS

OH7 890 008 983

LAND AND CHEMICALS DIVISION

Type of Document: NOV/RTC Letter

Name of Document: U.S. DOE Portsmouth Gaseous Diffusion Plant, Piketon, Ohio

	NAMES	DATE
AUTHOR:	W. Francis W.F.	2/4/14
APA:	G. Cuerington GC	2/6
SECTION CHIEF:	J. Morris	2/6/14
BRANCH CHIEF:	G. Victorine	2/7/14
DIVISION APA:		
DIVISION DIRECTOR:		
OTHERS:		
DRA:		
RA:		

RETURN TO: Walt Francis

PHONE: 3-4921

COMMENTS:

state notification 2/6/14

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590
FEB 07 2014

CERTIFIED MAIL 7009 1680 0000 7677 9814
RETURN RECEIPT REQUESTED

REPLY TO THE ATTENTION OF:

Mr. William E. Murphie
Manager
Portsmouth/Paducah Project Office
U.S. Department of Energy
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513

Mr. Dennis Carr
Fluor-B&W Portsmouth, LLC
Post Office Box 548
Piketon, Ohio 45661

Re: Notice of Violation
RCRA Compliance Inspection
U.S. DOE Portsmouth Gaseous Diffusion Plant, Piketon, Ohio
OH7 890 008 983

Dear Messrs. Murphie and Carr:

On June 17 and 18, 2013, representatives of the U.S. Environmental Protection Agency and Ohio Environmental Protection Agency (Ohio EPA) inspected the U.S. DOE Portsmouth Gaseous Diffusion Plant (U.S. DOE-Portsmouth) installation located at 3930 US Route 23 South, Piketon, Ohio. The purpose of the inspection was to evaluate compliance with certain requirements of the Resource Conservation and Recovery Act (RCRA); specifically, those regulations related to the generation, treatment and storage of hazardous waste. A copy of the inspection report is enclosed for your reference.

Based upon information provided by U.S. Department of Energy (DOE), Fluor-B&W Portsmouth, LLC (FBP), and Wastren-EnergX Mission Support, LLC (WEMS) personnel, review of records, and physical observations by the inspectors, EPA has determined that DOE and FBP violated certain requirements of the Ohio Administrative Code (OAC) and the United States Code of Federal Regulations (CFR). We find that DOE and FBP were not in compliance with the following requirements:

1) A large quantity handler of universal waste must manage lamps in a way that prevents releases of any universal waste or component of a universal waste to the environment. Specifically, a large quantity handler of universal waste must contain any lamp in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with the contents of the lamps. Such containers and packages must remain closed and must lack evidence of leakage, spillage, or damage that could cause leakage under reasonably foreseeable conditions. See, OAC Rule 3745-273-33(D)(1) [40 CFR §

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273.33(d)(1)].

During the inspection of Building XT-847 at column G17, the inspectors observed approximately six open containers of used fluorescent lamps. DOE - Portsmouth was in violation of OAC Rule 3745-273-13(D)(1) [40 CFR § 273.13(d)(1)]. On June 17, 2013, FBP provided the inspectors with a photograph of the closed and labeled used fluorescent lamp containers in Building XT-847. Based on this information, DOE and FBP have resolved the violations of OAC Rule 3745-273-33(D)(1) [40 CFR § 273.33(d)(1)].

2) Except as provided in paragraphs (A)(1) to (A)(4) of OAC Rule 3745-279-20, Rules 3745-279-20 to 3745-279-24 of the OAC apply to all used oil generators. See, OAC Rule 3745-279-20(A). Used oil generators are subject to all applicable spill prevention, control and countermeasures (40 CFR Part 112) in addition to the requirements of Rules 3745-279-20 to 3745-279-24 of the OAC. See, OAC Rule 3745-279-22. Specifically, containers and aboveground tanks used to store used oil at generator facilities shall be labeled or marked clearly with the words "Used Oil." See, OAC Rule 3745-279-22(C) [40 CFR § 279.22].

   During the inspection of the WEMS Shops in Building X-700, the inspectors observed one unlabeled container of used oil. DOE – Portsmouth was in violation of OAC Rule 3745-279-22(C) [40 CFR § 279.22]. On June 17, 2013, WEMS provided the inspectors with a photograph of the labeled used oil container in Building XT-700. Based on this information, DOE and FBP have resolved the violations of OAC Rule 3745-279-22(C) [40 CFR § 279.22].

This letter is to inform you that EPA has reviewed the referenced information, and does not plan additional enforcement action at this time. This letter does not limit the applicability of the requirements evaluated, or of other federal or state statutes or regulations. EPA and the Ohio EPA will continue to evaluate DOE and FBP in the future.

If you have any questions regarding this letter, please contact Walt Francis, of my staff, at (312) 353-4921.

Sincerely,

Gary Victorine

Gary Victorine, Chief
RCRA Branch

Enclosures

cc: Melody Stewart, OEPA – Southeast District Office
(melody.stewart@epa.state.oh.us)
Bruce McCoy, Ohio EPA – Columbus Office
(bruce.mccoy@epa.state.oh.us)

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 W. JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604

RCRA COMPLIANCE EVALUATION INSPECTION REPORT

FACILITY NAME:	**U.S. DOE PORTSMOUTH GASEOUS DIFFUSION PLANT**
FACILITY U.S. EPA ID NO.:	**OH7 890 008 983**
FACILITY TYPE:	**Large Quantity Generator and Container Storage Facility**
FACILITY ADDRESS:	3930 US Route 23 South Piketon, Ohio 45661
U.S. EPA REPRESENTATIVE:	Walt Francis
DATE(S) OF INSPECTION:	June 17 and 18, 2013
SIC CODE:	**2819** - Industrial Inorganic Chemicals, Not Elsewhere Classified
NAICS CODE:	**325188** - All Other Basic Inorganic Chemical Manufacturing

PREPARED BY: Walt F. 7/16/2013
Walt Francis **Date**
Environmental Scientist

ACCEPTED BY: Walt F. for M.C. 7/16/2013
Mirtha Capiro, Acting Chief **Date**
Compliance Section 2
RCRA Branch

Purpose of Inspection

The purpose of this inspection was to conduct a Compliance Evaluation Inspection (CEI) at the U.S. Department of Energy Portsmouth Gaseous Diffusion Plant (Portsmouth), Piketon, Ohio to determine its compliance with the Resource Conservation and Recovery Act (RCRA), the Ohio Administrative Code (OAC), and the RCRA Permit requirements with respect to U.S. DOE's management of hazardous waste, universal waste and used oil.

Participants

U.S. Environmental Protection Agency (U.S. EPA) Inspector -
Walt Francis, Environmental Scientist

Ohio Environmental Protection Agency (Ohio EPA) Inspector -
Melody Stewart, Hazardous Waste Inspector

Representatives of U.S. DOE, Fluor-B&W Portsmouth, LLC (FBP), Wastren-EnergX Mission Support, LLC (WEMS) and Restoration Services (RSI)-
Kristi Wiehle, U.S. DOE
Amy Lawson, U.S. DOE
Rosemary Richmond, RSI
Frank Johnston, FBP
Chris Guilliams, FBP
Robert Lyon, FBP
Robert Anderson, WEMS
Jeremy Davis, RSI
Janie Croswart, RSI
Barb Halcomb, FBP
Mitch Newman, FBP

Site Description/Background Information

Historically, the main function of the Portsmouth facility was to enrich uranium for military use (nuclear submarines) and commercial reactors through a gaseous diffusion process. This involved the separation of U235 from the U238 isotope in uranium hexafluoride (UF6) feedstock which contains 0.711% U235. The Portsmouth facility had produced enriched uranium continuously since September 1954. In 1993, the uranium enrichment facilities at the plant were leased to the United States Enrichment Corporation (USEC). U.S. DOE retained ownership of the ongoing site environmental restoration program as well as the permitted hazardous waste storage facilities.

Numerous other activities associated with the plant's main function also occur on-site and were

leased by USEC. As of March 2012, U.S. DOE and FBP activities included decontamination of equipment and uranium recovery (X-705 Bldg.); chemical cleaning of equipment (X-700); maintenance crafts, including paint, sheet metal, machining, valve, compressor, welding, electrical, motor rewind, metallurgy, instruments and carpentry (X-720); laboratory services (X-710); wastewater treatment (X-6619); water treatment (X-611); chromium removal (X-616); uranium operations, fluorine generation and cylinder handling (X-344); photo and printing lab (X-100); vehicle repair (X-750); coal pile runoff treatment (X-621); and electrical and utilities system.

Hazardous waste and mixed waste which was generated from the gaseous diffusion and associated processes leased by USEC is stored in U.S. DOE owned and permitted storage facilities. Waste generated by U.S. DOE and FBP from the environmental restoration is also stored in these facilities. U.S. DOE also generates non mixed radioactive hazardous waste, universal waste and used oil which is shipped out of Building XT-847. USEC ceased the enrichment process in May 2001, and discontinued on-site operations on October 10, 2011. U.S. DOE and FBP manage hazardous waste, universal waste and used oil generated from on-site maintenance, on-site storage activities, remediation and demolition activities.

Uranium contaminated hazardous wastes (mixed waste) which were generated by USEC and are generated by U.S. DOE and FBP are stored on-site in U.S. DOE-owned and operated hazardous waste container storage facilities for longer than one year. Historically, this was due to the limited number of treatment, storage and disposal (TSD) facilities in the United States which could accept mixed waste, and a May 1991 U.S. DOE moratorium on off-site waste shipment. A large percentage of the waste generated at Portsmouth is U.S. DOE-generated mixed waste from the site-wide cleanup activities. This is also stored in U.S. DOE-owned storage areas. U.S. DOE sends some waste off-site (to U.S. DOE Oakridge) for treatment prior to final disposal. Treatment residuals are returned to U.S. DOE - Portsmouth for storage in the interim prior to their final disposal .

U.S. DOE/FBP generated hazardous wastes are primarily shipped to Energy Solutions, Clive, Utah (UTD982598898), Diversified Scientific Services, Inc. (DSSI)/Permafix, Kingston, Tennessee (TND982109142), EQ Detroit, Detroit, Michigan (MID980991566), and Chemical Waste Management, Emelle, Alabama (ALD000622464). In addition, a wide variety of radioactive and other nonhazardous wastes are generated as a result of the above processes. Babcock & Wilcox Conversion Services is working on a project to recover material from depleted uranium hexafluoride cylinders.

On March 25, 2011 Ohio EPA renewed the RCRA Permit for the Portsmouth facility. The renewed RCRA Permit includes six container storage areas in Building X-326. The renewed RCRA Permit states in Section B.36(m) that U.S. DOE/FBP may store restricted waste beyond one year; however, the Permittee bears the burden of proving that such storage was solely for the purpose of accumulating such quantities of hazardous waste as are necessary to facilitate proper recovery, treatment or disposal [OAC Rule 3745-270-50].

Opening Conference

On June 17, 2013 Walt Francis and Melody Stewart arrived at Building X-1000 at approximately 7:30 a.m. and informed the U.S. DOE, RSI and FBP representatives of the nature, scope, and procedures for the RCRA inspection. The inspection was conducted by U.S. EPA and Ohio EPA personnel as a Federal lead inspection. The facility representatives provided the team with a brief update of the facility since the last inspection, and a list of current hazardous waste satellite accumulation area (SAA) containers, hazardous waste less than 90 day accumulation areas, and universal waste accumulation areas. Ms. Amy Lawson allowed the inspectors access to the facility to conduct the inspection.

Site Tour

The walk-through began in Building X-326. Mr. Robert Lyons introduced Mr. Jack Tully, facility manager. Mr. Tully showed the inspectors the East and West "L-Cage" permitted storage areas. Inspector Francis observed a 55-gallon container labeled "TC Trap Waste, D007" with a 2/25/2013 accumulation date, a polybottle labeled "Gunk, D007/D008, CH00115" with a 3/3/1992 accumulation date, a polybottle labeled D007 with an accumulation date 8/27/2008 numbered GPO15843. The walk-through continued to the West L-Cage. Inspector Francis observed a container labeled "Waste Oil/PCBs" with an accumulation date 1/1/1988 numbered 583987. The walk-through continued to a less than 90 day accumulation area at column B79. Inspector Francis noted that it was empty. The walk-through continued to the RCRA Permitted Area #6. Inspector Francis observed a container labeled "D007, 10/31/7, RFD #07-001414 RFD # 60766. Inspector Francis noted that there were nineteen pallets with four 55-gallon containers per pallet in Area #6. The walk-through continued to Area #3. In Area #3, Inspector Francis observed a container labeled "F001, 1/6/10, Solution X-700, Drum ID # 10-001462, Tank #3". The walk-through continued to Area #5 and then to Area #2. In Area #2, Inspector Francis observed a container labeled "Used Oil and Hazardous Waste D012/D009, 5/25/11, RFD #58714. In addition, Inspector Stewart observed peeling epoxy coating at Column Q74/Q75. The walk-through continued to Area #4. Inspector Stewart observed some staining on the floor at Column Q68. The walk-through continued to a universal waste accumulation area in the control room. Inspector Francis observed a 1 gallon container utilized for used bulbs from the control room. The inspection continued to an area outside of the control room. The inspectors observed an SAA area for laboratory waste. The inspection continued to a less than 90 day accumulation area at Column T-80. The inspectors did not observe any waste in this area. The inspection continued to a less than 90 day hazardous waste accumulation area at Column C-49. Inspector Francis observed a container of waste acetone/water dated 5/30/13, and a container labeled "HNO3, 5/30/13". The inspection continued to a Universal Waste Accumulation Area. Inspector Francis noted approximately 12 boxes of used fluorescent lamps with accumulation dates ranging from 5/29/2013 to 6/7/2013.

The inspection continued to Building X-330. Ms. Glenn showed the inspectors a hazardous waste

less than 90 day accumulation area at Column L-49. The inspectors did not observe any waste containers in this area. The walk-through continued to the Electrical Maintenance Shop at Column G-43. Ms. Glenn pointed out a SAA container utilized for accumulating broken fluorescent lamps. The inspection continued to a universal waste accumulation area. Inspector Francis observed fourteen boxes of used lamps with dates of accumulation from 12/4/12 to 6/5/13. The inspection continued to another universal waste accumulation area. Inspector Francis observed several containers of universal waste with accumulation dates of 2/14/13 and 8/30/12. The walk-through continued to a universal waste accumulation container in ACR#3. The walk-through continued to Building X-720. In Building X-720, Mr. Lyons introduced Ms. Beverly Kelley to the inspectors. Ms. Kelley showed the inspectors a universal waste accumulation area. Inspector Francis observed several containers of used lamps, used batteries, a less than 90 day accumulation container of used aerosol cans dated 6/12/13, and a 5-gallon SAA container labeled "Waste Oil with MEK and Toluene" and a SAA container labeled "Rags and Gloves with PPE". The walk-through continued to another Universal Waste accumulation area. Inspector Francis observed a container of used nickel cadmium batteries. The walk-through continued to the Radio Shop. Ms. Kelley showed the inspectors a 5-gallon SAA container utilized for small waste sensors. Ms. Kelley also showed the inspectors a SAA polybottle in this area. The walk-through continued to Columns G15 and F15. Inspector Francis observed two 55-gallon containers labeled "102 S" and "44-15 8640". Ms. Kelley told the inspectors that the containers were usable product not a waste. The walk-through continued to the Air Power Shop. Ms. Kelley showed the inspectors a 5-gallon SAA container utilized for used oxygen sensors. The walk-through continued to another universal waste staging area. Inspector Francis observed seventeen four foot boxes of used fluorescent lamps. Accumulation dates included "5/3/2013", "/13/2013" and "6/11/2013". Also, in this area at Column J-7 Inspector Stewart observed a 55-gallon container labeled "Mixed With Ethylene Glycol 12/17/2012". Ms. Kelley told the inspectors that this was a product used by the HVAC Department. The walk-through continued to the Paint Shop. The inspectors did not observe any hazardous waste containers in the Paint Shop. The walk-through continued to Building X-720C. Ms. Kelley showed the inspectors a 55-gallon SAA container labeled "Paint Rags 6/11/2013" and four 55-gallon containers labeled "Used Oil". Inspector Stewart observed several stained areas on the floor in Building X-720C, a rusty 1 quart container and a "Lubriplate" container. The walk-through continued to Building X-750A. Ms. Kelley showed the inspectors a hazardous waste less than 90 day container for used aerosol cans. Inspector Francis noted that the container was dated 6/11/2013. The walk-through continued outside where Ms. Kelley showed the inspectors a 55-gallon SAA container used for waste fuel. Ms. Kelley also showed the inspectors a container used to accumulate universal waste bulbs, a 55-gallon container of used oil, and several used lead acid batteries. Outside of Building X-750A, Inspector Stewart observed three golf carts and a floor polishing vehicle with lead acid batteries. The walk-through continued to Building X-104. Ms. Kelley showed the inspectors a SAA container used for rags and patches for cleaning weapons. The walk-through continued to Building X-300. Ms. Kelley showed the inspectors a 5-gallon container used for universal waste used bulbs. The walk-through continued to Building X-710. Mr. Brian Pyles showed the inspectors a hazardous waste less than 90 day accumulation area for polybottles in Room 144. The walk-through continued to Room 142. Mr. Pyles showed the inspectors a 5-

gallon SAA container. The walk-through continued to the loading dock. Mr. Pyles showed the inspectors a universal waste accumulation area. Inspector Francis observed that the area was empty. The walk-through continued to a less than 90 day area near the loading dock. Inspector Francis observed nine 5-gallon hazardous waste containers. The walk-through continued to Rooms 111, 120, 135, 152, 154, 158, 285, 281, 238, 254, 258, 260, 262, 263, 245, 266, 213, 212, 224, 223, 203, 216, 331, 230 and 101. In Room 101, Mr. Pyles showed the inspectors three polybottles of used oil. The walk-through continued to Building X-7721. Mr. Fosson showed the inspectors Room 89 which contained used batteries. The walk-through continued to Column C9. Mr. Fosson showed the inspectors a SAA container utilized for used Buckeye Shopmaster Parts Cleaner blast media and a 55-gallon container of used oil. The walk-through continued to Column F-8. Mr. Fosson showed the inspectors a universal waste accumulation area. Inspector Francis noted accumulation dates of "11/1/2012", "11/16/2012", and "3/17/2013". The walk-through continued to Column F-3. Mr. Fosson showed the inspectors a universal waste accumulation area for lead acid batteries and used lamps. The walk-through continued to the Fire Station Building X-1007. Mr. Lyons showed the inspectors a 5-gallon container for the accumulation of used light bulbs. The walk-through continued to Building XT-847. Ms. Mabel Tanner, XT-847 Facility Manager showed the inspectors hazardous waste areas at Columns C-2 and L-2 and N-2. The walk-through continued to a universal waste accumulation area. Inspector Francis observed 8-pallets of used fluorescent lamps. The walk-through continued to Column B-9. The inspectors observed another area for accumulation of universal waste lamps. At Column D18, Inspector Francis observed a SAA container utilized for accumulating broken bulbs. The walk-through continued to Column G13. Ms. Kelley showed the inspectors an area where electronic waste is accumulated. The inspectors returned to the Building XT-847 conference room to review weekly inspection logs for Buildings XT-847, X-326, X-330, X-700, X-705, X-710, X-720, X-720 Paint Shop, X-750, X-752, X-623, and X-747H.

On Tuesday June 18, 2013 at approximately 7:30 a.m. the inspectors continued the inspection at Building X-705. After a brief safety orientation and donning personal protective equipment, Mr. Marvin Ross took the inspectors through Building X-705. Mr. Ross showed the inspectors a universal waste accumulation area, a hazardous waste less than 90 day accumulation area, a heavy metal sludge container, and two SAA containers on the second floor. The inspection continued to Building X-700. Mr. Ross showed the inspectors a less than 90 day accumulation area. Also, in Building X-700, Mr. Robert Anderson showed the inspectors a universal waste area, several SAA containers and a used oil accumulation container. The walk-through continued to Building X-344A. Mr. Ross showed the inspectors a SAA container and an electronic scrap collection area at Column S-14. The walk-through continued to Building X-342. Mr. Ross showed the inspectors a SAA container at the HF Vaporizer Room at Column E-17. The walk-through continued to a used oil container and a universal waste accumulation area in Building X-342. The walk-through continued to Building X-627. Mr. Greg Thompson showed the inspectors a 55-gallon SAA container. The walk-through continued to Building X-623. Mr. Thompson showed the inspectors a 55-gallon SAA container and a less than 90 day accumulation area. Inspector Francis did not observe any waste in the less than 90 day area. The walk-through continued to Building X-624. Mr. Thompson showed the inspectors a 55-gallon SAA container.

The walk-through continued to Building X-622. Mr. Thompson showed the inspectors a 55-gallon SAA container utilized for bag filters, PPE and plastic. The walk-through continued to Building X-747H shipping pad. The inspectors did not observe any waste staged on the shipping pad. The walk-through continued to Building X-752. Mr. Mitch Newman showed the inspectors a less than 90-day accumulation area in Bay R and an SAA container in Bay Q. The walk-through continued to Warehouse 9. The inspectors toured Warehouse 9 with Mr. Kevin Cauley. The walk-through continued to a construction area, formerly X-10 site. The inspectors observed used aerosol cans, xylene and acetone waste, and a roll-off box.

The inspection team went to Building X-157A to review records.

Records Review

A record review was conducted. The inspection team requested to review hazardous waste manifests, universal waste and used oil shipping records, personnel training information, weekly inspection logs, waste profiles for hazardous waste in storage, and the latest version of the contingency plan. The inspectors reviewed hazardous waste manifests since the date of the last inspection, two years of personnel training records, waste profiles, and weekly inspection logs. The inspectors reviewed off-site hazardous waste manifests. Hazardous waste was being shipped to Energy Solutions, Clive Utah (UTD982598898), DSSI/Permafix, Kingston, Tennessee (TND982109142), EQ Detroit, Detroit, Michigan (MID980 991 566), Chemical Waste Management, Emelle, Alabama (ALD000622464). The last off-site shipment was dated 6/15/2013. Universal Waste was being shipped to USA Lamp and Ballast Recycling, Cincinnati, Ohio, and the date of the last off-site shipment was 5/15/2013. Used oil was picked up by Glockner Oil, Piketon, Ohio. The inspectors reviewed a Contingency Plan that was last updated 10/5/2011.

Closing Conference

The inspectors conducted a closing conference. Inspector Francis explained that he would review his notes from the inspection, and generate an inspection report. U.S. DOE and FBP would then receive a letter from U.S. EPA regarding the inspection including a copy of the inspection report, and completed inspection checklists. In addition, Inspector Francis discussed three golf carts with lead acid batteries outside of Building X-750A, peeling floor paint in Building X-326, Area 2, universal waste used fluorescent lamps boxes in Building XT-847, and used oil container labeling in Building X-700.

Attachments
Inspection Checklists.

OHIO PART B PERMITTED FACILITY
RCRA INSPECTION CHECKLIST

Facility: Portsmouth Gaseous Diffusion Plant Ohio Permit #: 04-66-0680

Co-operator: Fluor–B&W Portsmouth, LLC

Address: 3930 U.S. Route 23 South
Piketon, OH 45661

USEPA ID#: OH7890008983
Facility Phone: 740-897-5010

County: Pike

Time: 7:45 am

Inspection Date: 6/17/2013 and 6/18/2013

Advance notice of inspection given?___(Yes) __X__(No)
If so, how far in advance? _____

	Name	***Agency/Title***	***Phone***
Inspector(s):	Walt Francis	U.S. EPA	312-353-4921
	Melody Stewart	Ohio EPA	740-380-5256
Facility Representative(s):	Kristi Wiehle	U.S. DOE	740-897-5020
	Chris Guilliams	Fluor-B&W Portsmouth, LLC	740-897-3863

Is facility operating as a generator? Yes __X__ No _____

If so, complete the applicable sections of the Generator Requirements checklist for wastes being managed under generator status.

PERMIT STATUS

Permit Issued: March 25, 2011
Permit Effective Date: March 25, 2011
Permit Expiration Date: March 25, 2021

STORAGE		TREATMENT		DISPOSAL	
X	Container		Tank		Injection Well
	Tank		Surface Impoundment		Landfill
	Waste Pile		Incinerator		Land Application
	Surface Impoundment		Thermal Treatment		Surface Impoundment

STATE PART B HAZARDOUS WASTE PERMIT INSPECTION CHECKLIST

DIVISION OF HAZARDOUS WASTE MANAGEMENT
OHIO EPA
April 2012

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Portsmouth Gaseous Diffusion Plant
04-66-0680

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PROCESS DESCRIPTION

Historically, the main function of the DOE-PORTS facility was to enrich uranium for military use (nuclear submarines) and commercial reactors through a gaseous diffusion process. This involved the separation of U235 from the U238 isotope in UF6 feedstock which contains 0.711% U235. In 1993, DOE began leasing the uranium enrichment production and operations facilities at PORTS to the United States Enrichment Corporation (USEC). Uranium was enriched at the site by USEC until May 2001, at which time the production facilities were placed into a cold standby mode. During cold standby, the process buildings were maintained with a restart capability. DOE terminated the cold standby program in September 2005 and replaced it with a cold shutdown program, which no longer maintains the gaseous diffusion restart capability. The PORTS site is owned by DOE and the uranium enrichment facilities are in the process of being transitioned back to DOE from USEC. Ongoing activities at the facility include decontamination and decommissioning of facility buildings, ongoing site environmental restoration, and maintenance of the permitted hazardous waste storage area.

WASTE MANAGEMENT, GENERATION AND AMOUNT

Uranium contaminated hazardous wastes (mixed waste) which were generated by USEC and DOE are stored on-site in DOE-owned and operated hazardous waste container storage facilities for longer than one year. Historically, this was due to the limited number of TSDs in the U.S. which could accept mixed waste, and a May 1991 DOE moratorium on off-site waste shipment. A large percentage of the waste generated at PORTS is DOE-generated mixed waste from the site-wide cleanup activities. This is also stored in DOE-owned storage areas. During the past year, numerous shipments of hazardous waste were manifested off-site by both DOE and USEC. This is due to an increase in treatment capacity at off-site commercial treatment facilities and DOE treatment facilities, the lifting of the moratorium, and the execution of the site treatment plans for DOE and USEC. DOE has in the past sent some waste off-site (to USDOE Oakridge) for treatment (incineration) prior to final disposal. Treatment residuals had been returned to DOE for storage in the interim prior to their final disposal.

Hazardous

The DOE Part B permit lists numerous hazardous waste codes for wastes that are generated by the above processes and the environmental restoration. These are stored in drums ranging in size from 30 to 110 gallon capacity, 5 gallon containers, 20 gallon lab packs, 5' cans, 4'x4'x6' boxes, 4'x4'x8' boxes, polybottles and laboratory bottles.

Nonhazardous

A wide variety of radioactive and other nonhazardous wastes are generated as a result of the above processes.

HAZARDOUS WASTE MANAGEMENT UNITS

The following DOE-owned permitted storage facilities were inspected during the CEI:

In addition, DOE-owned and operated HWMUs and SAAs were inspected in the following buildings:

REGULATORY/ENFORCEMENT HISTORY

As a result of violations of state and federal hazardous waste regulations found during the 1987, 1988, and 1989 OEPA RCRA inspections, USDOE and OEPA entered into a Consent Decree governing restoration of the environment at DOE-PORTS.

On October 4, 1995, DFFOs were signed which allowed DOE to store LDR wastes in excess of one year, so long as waste is being stored in compliance with the orders and an approved site treatment plan. These orders supercede the May 18, 1993, DFFOs.

On February 24, 1998, DOE, LMES and Ohio signed DFFOs and a Consent Order regarding past violations and the management of DUF6 and LiOH. This order was amended on March 12, 2004, June 23, 2005, February 22, 2008 and March 28, 2011. The latest amendment added Fluor-B&W Portsmouth, LLC and Babcock & Wilcox Conversion Services, LLC to the order.

On March 18, 1999, DOE and Ohio EPA signed DFFOs. These DFFOs provide exemptions to DOE and integrate the following unclosed units into the CMS/CMI process: X-749, X-231B, X-701C, X701B, X-230J7, and X-744Y.

A Part B permit was issued to DOE and its current co-operator, Bechtel Jacobs, for the X-7725 and X-326 storage facilities on March 25, 2011.

On April 13, 2010, DOE signed the Director's Final Findings and Orders for Removal Action and Remedial Investigation and Feasibility Study and Remedial Design and Remedial Action (DFF&O). The DFF&O outline the process for decontamination and decommissioning of the facility buildings.

GENERAL CONDITIONS OF PERMIT

GENERAL PERMIT COMPLIANCE AND ACTIVITIES

1. Has the expiration date of the permit passed? If so: Yes___No_X_N/A ___RMK#___

   a. Is the permittee continuing any activity regulated by the permit after the expiration date of the permit? Yes___No_X_ N/A ___RMK#___

   b. Has the facility submitted an application for a permit renewal to the director no later than 180 days prior to the expiration date of the permit? (Or upon a later date if the permittee can demonstrate good cause for late submittal.) [Condition A.6.(a)] Yes___No___ N/A _X_RMK#___

NOTE: *The permittee may continue to operate in accordance with the terms and conditions of the expired permit until a renewal permit is issued or denied if:*

A. The permittee has submitted a timely and complete application for a renewal permit under OAC rule 3745-50-40; and

B. Through no fault of the permittee, a new permit has not been issued pursuant to OAC rule 3745-50-40 on or before the expiration date of the permit. [Condition A.6.(b)]

2. Has the permittee submitted the annual permit fee, payable to Treasurer, State of Ohio, to Ohio EPA on or before the anniversary of the date of issuance during the term of the permit? [Condition A.26] Yes_X_No___ N/A ___RMK#___

3. Is the permittee conducting any hazardous waste management activities (not otherwise exempt by law) which are not authorized by the permit? [Condition A.1.(b) and A.5] Yes___No_X_ N/A ___RMK#___

4. Have any provisions of the permit been identified as invalid? [Condition A.4.] Yes___No_X_ N/A ___RMK#___

5. Has the facility identified any instances of noncompliance with the permit, RC Chapter 3734. or the rules adopted thereunder, which may endanger human health or the environment? If so: Yes___No_X_N/A ___RMK#___

a. Did the facility immediately report orally the following to Ohio EPA's Emergency Response Section within 24 hours of becoming aware of the circumstance(s): [Condition A.20.(a)]

i. Information concerning a release of any hazardous waste that may cause an endangerment to public drinking water supplies; and — Yes__No__ N/A ✓ RMK#__

ii. Information concerning a release of hazardous waste, fire or explosion at the facility which could threaten human health or the environment outside the facility, including a description of:

A. Name, address and telephone number of the owner or operator? — Yes__No__ N/A __ RMK#__

B. Name, address and telephone number of the facility? — Yes__No__ N/A __ RMK#__

C. Name and quantity of material(s) involved? — Yes__No__ N/A __ RMK#__

D. The extent of injuries, if any? — Yes__No__ N/A __ RMK#__

E. An assessment of the actual or potential hazard to the environment and human health outside the facility where this is applicable? — Yes__No__ N/A __ RMK#__

F. Estimated quantity and disposition of recovered material that resulted from the incident? — Yes__No__ N/A __ RMK#__

6. Did the permittee provide a written report to Ohio EPA's Emergency Response Section and DHWM, SEDO within five days of the time the permittee became aware of the circumstances reported in Question 5? [Condition A.21.] If so did the report contain: — Yes__No__ N/A ✓ RMK#__

a. A description of the noncompliance and its cause (including exact dates and times)? — Yes__No__ N/A __ RMK#__

b. Whether the noncompliance has been corrected and if not, the anticipated time noncompliance is expected to continue? — Yes__No__ N/A __ RMK#__

c. Steps taken or planned to minimize the impact on human health and the environment and to reduce and prevent recurrence of the noncompliance?

Yes__No__ N/A X RMK#__

Note: *The permittee need not comply with the five day written report requirement if the director, upon good cause shown by the permittee, waives that requirement and the permittee submits a written report within 15 days of the time the permittee becomes aware of the circumstances. [Condition A.21.(c)]*

7. Has the permittee expeditiously taken all steps necessary to minimize or correct any adverse impact on the environment or public health resulting from noncompliance with the permit? [Condition A.8]

Yes X No__ N/A __RMK#__

8. Has the permittee identified any other instances of noncompliance not provided for in Question 5?

Yes__No X N/A __RMK#__

a. If so, did the permittee report to the director within a month of the time at which the permittee is aware of such noncompliance? [Condition A.22.]

Yes__No__ N/A __RMK#__

b. Do the reports provided contain the information set forth in Condition A.20?

Yes__No__ N/A __RMK#__

9. Has the permittee planned any physical alterations or additions to the permitted facility?

Yes__No__ N/A __RMK#__

a. If so, has the facility provided Ohio EPA with notice of such changes? [Condition A.15]

Yes__No X N/A __RMK#__

Note: *Such notification does not waive the permittee's duty to comply with the permit pursuant to Condition A.5.*

REMARKS

PERMIT MODIFICATION, REVISION, REVOCATION

1. Has the permittee filed a request for a permit modification, revision or revocation since issuance of the permit? [Condition A.2.] Contingency Plan changes. — Yes X No___ N/A ___RMK#___

2. Has the permit been transferred to a new owner or operator? [Condition A.18.] If so, — Yes___No X N/A ___RMK#___

   a. Has the transfer been conducted in accordance with R.C. Chapter 3734. and the rules adopted thereunder? [Condition A.18.]; and — Yes___No___ N/A ___RMK#___

   b. Before transferring ownership did the permittee notify the new owner in writing of the requirements of R.C. Chapter 3734. and the rules adopted thereunder and the applicable Ohio hazardous waste rules? [Condition A.18.] — Yes___No___ N/A ___RMK#___

3. Has the permittee submitted reports of compliance or noncompliance with, or any progress reports on the requirements contained in any compliance schedule of the permit to Ohio EPA no later than 14 days following each scheduled date, unless otherwise specified? [Condition A.19.] — Yes X No___ N/A ___RMK#___

4. Has the permittee furnished relevant information which Ohio EPA has requested to determine whether cause exists for modifying, revising, revoking or suspending the permit, or to determine compliance with the permit? [Condition A.10] — Yes X No___ N/A ___RMK#___

5. Has the facility furnished Ohio EPA, upon request, with copies of records required to be kept by the permit? [Condition A.10] — Yes X No___ N/A ___RMK#___

6. Has the permittee become aware that it failed to submit any relevant facts in the permit or issuance proceedings or that it submitted incorrect or incomplete information in permit issuance proceedings or other submissions to Ohio EPA or the HWFB? If so, — Yes___No X N/A ___RMK#___

a. Has the permittee promptly submitted such facts or corrected information to the appropriate entity? [Condition A.24.] — Yes___No___ N/A X RMK#__

7. Is the permittee maintaining records of all data used to complete the approved application and any amendments, supplements, revisions or modifications to the application? [Condition A.14.(c)] — Yes X No___ N/A ___RMK#___

8. Is the permittee retaining a complete copy of the approved application on-site? [Condition A.14.(c)] — Yes X No___ N/A ___RMK#___

REMARKS

SITE ENTRY - AVAILABILITY OF RECORDS

1. As specified in Condition A.11., has the permittee allowed the director or an authorized representative, upon proper identification and upon stating the purpose and necessity of an inspection, to:

   a. Enter at reasonable times upon the premises where a regulated activity is located or where records are kept under the conditions of the permit? Yes_X_No___ N/A ___RMK#___

   b. Have access to and copy any records required to be kept under the conditions of the permit? Yes_X_No___ N/A ___RMK#___

   c. Inspect at reasonable times facilities, equipment (including control and monitoring equipment), practices or other operations regulated under the conditions of the permit? Yes_X_No___ N/A ___RMK#___

   d. Sample, document, or monitor any substance or parameter at any location of the facility to assure compliance with the permit or as otherwise authorized by R.C. Chapter 3734. and the rules adopted thereunder? Yes_X_No___ N/A ___RMK#___

RECORDKEEPING REQUIREMENTS

CONFIDENTIALITY

1. Has the permittee requested confidentiality of any information of the permit in accordance with R.C. Chapter 3734 and the rules adopted thereunder? [Condition A.25.] Yes___No_X_N/A ___RMK#___

OPERATING RECORD

2. Is the permittee maintaining a written operating record at the facility as set forth in OAC rule 3745-54-73 and Condition B.22. of the permit which contains the following elements:

a. A description and the quantity of each hazardous waste received? Yes X No___ N/A ___RMK#___

b. Method(s) and date(s) of treatment, storage or disposal at the facility? Yes X No___ N/A ___RMK#___

c. The location of each hazardous waste within the facility and the quantity at each location? Yes X No___ N/A ___RMK#___

3. Is the permittee maintaining, until closure is complete and certified, the following documents and amendments, revisions and modifications to these documents as part of its operating record: [Condition A.28.]

a. Waste analysis plan in accordance with OAC rule 3745-54-13 and the conditions of the permit? Yes X No___ N/A ___RMK#___

b. Contingency plan in accordance with OAC rule 3745-54-53 and the conditions of the permit? Yes X No___ N/A ___RMK#___

c. Closure plan in accordance with OAC rule 3745-55-12 and the conditions of the permit? Yes X No___ N/A ___RMK#___

d. Personnel training plan and records required by OAC rule 3745-54-16 and the conditions of the permit? Yes X No___ N/A ___RMK#___

e. Inspection schedules developed in accordance with OAC rules 3745-54-15 and 3745-55-74 and the conditions of the permit? Yes X No___ N/A ___RMK#___

4. Have any of the documents identified in Question #3 been revised as required by the permit? If so, Yes___No X N/A ___RMK#___

a. Has the permittee submitted the revisions to Ohio EPA? [Condition A.28.(b)] Yes___No___ N/A X RMK#___

b. Has the permittee received approval in accordance with Ohio hazardous waste rules to make such changes? [Condition A.28.(b)] Yes___No___ N/A X RMK#___

5. Is the permittee maintaining copies of all inspection logs at the facility for a period of at least three years from the date of inspection? [Condition A.28.(c)] Yes X No___ N/A ___RMK#___

ANNUAL REPORT REQUIREMENT

6. Is the permittee complying with annual report requirements set forth in OAC rule 3745-54-75 and the additional report requirements set forth in OAC rule 3745-54-77 and the conditions of the permit? [Condition B.25.] Yes X No___ N/A ___RMK#___

SAMPLING/MONITORING RECORDKEEPING REQUIREMENTS

7. In compliance with Condition A.12.(b) of the permit, do the permittee's records of monitoring information specify the:

   a. Date(s), exact place(s), time(s) and method(s) of sampling or measurement? Yes X No___ N/A ___RMK#___

   b. Individual(s) who performed the sampling or measurement? Yes X No___ N/A ___RMK#___

   c. Date(s) analyses were performed? Yes X No___ N/A ___RMK#___

   d. Individual(s) who performed the analyses? Yes X No___ N/A ___RMK#___

   e. Analytical technique(s) or method(s) used? Yes X No___ N/A ___RMK#___

   f. Results of such analyses? Yes X No___ N/A ___RMK#___

8. Have the methods used to obtain a representative sample of the waste to be analyzed included the appropriate SW-846 Method or an equivalent method specified in the approved waste analysis plan? [Condition A.12.(a)] Yes X No___ N/A ___RMK#___

9. Has Ohio EPA requested submittal of any reports or other information required by the conditions of the permit from the permittee? If so, Yes X No___ N/A ___RMK#___

   a. Have the submittals been signed and certified according to OAC rules 3745-50-58(K) and 3745-50-42? [Condition A.13.] Yes X No___ N/A ___RMK#___

WASTE MINIMIZATION REQUIREMENTS

10. Has the permittee submitted a Waste Minimization Report to Ohio EPA meeting the requirements of Condition A.29. of the permit within 180 days of permit journalization? Yes X No___ N/A ___RMK#___

    a. Following the first submittal as identified above in Question #10, has the permittee submitted biennial updates to this report as required by Condition A.29.(c)? Yes X No___ N/A ___RMK#___

REMARKS

OFF-SITE SHIPMENTS/MANIFEST REQUIREMENTS

1. Is all hazardous and mixed waste transported from the facility by a properly registered transporter of hazardous and mixed waste in accordance with all applicable laws, rules and standards? [Condition A.16.] — Yes X No___ N/A ___RMK#___

MANIFEST REQUIREMENTS/WASTES RECEIVED ON-SITE

2. Upon receipt of the manifests, has the permittee signed and dated each copy of the manifest? [OAC 3745-54-71(A)(1); Condition B.24.] — Yes X No___ N/A ___RMK#___

3. For any significant discrepancies identified upon receipt of the manifest(s): did the permittee note such discrepancies on the manifest(s) in accordance with OAC rule 3745-54-71(A)(2) and Condition B.24? — Yes___No___ N/A X RMK#___

   a. Did the permittee attempt to reconcile the discrepancy? [Condition B.24.] — Yes___No___ N/A X RMK#___

   b. If the discrepancy was not resolved within 15 days: did the permittee submit a report, including a copy of the manifest, to the director in accordance with OAC rule 3745-54-72(B)? [Condition B.24.] — Yes___No___ N/A X RMK#___

4. Does the permittee immediately give the transporter at least one copy of the signed manifest? [OAC 3745-54-71(A)(3); Condition B.24.] — Yes X No___ N/A ___RMK#___

5. Does the permittee provide the generator with a copy of the manifest within 30 days of receipt of waste on-site? [OAC 3745-54-71(A)(4); Condition B.24.] — Yes X No___ N/A ___RMK#___

6. Does the permittee retain a copy of each manifest on-site for at least three years from the date of delivery? [OAC 3745-54-71(A)(5); Condition B.24.] — Yes X No___ N/A ___RMK#___

7. Has the permittee received any hazardous waste or mixed waste from off-site, other than as described in Condition B.2(b)? — Yes___No X N/A ___RMK#___

WASTE ANALYSIS/WASTE ANALYSIS PLAN

GENERAL REQUIREMENTS

1. Does the permittee have a detailed chemical and physical analysis of waste streams which contains all information which is necessary to properly treat, store or dispose of the waste in accordance with OAC Chapters 3745-54 to 3745-57 and Condition B.3 of the permit (Section C of the approved permit application)? [OAC 3745-54-13(A)(1)] — Yes X No___ N/A ___RMK#___

2. Since the last inspection, were any wastes generated by the facility which were unable to be characterized through process knowledge? If so, — Yes___No X N/A ___RMK#___

   a. Were the waste analysis procedures described in Section C of the approved permit application followed? — Yes___No___ N/A X RMK#___

3. Is the permittee following the procedures described in the approved waste analysis plan (Section C of approved permit application) and the requirements of OAC rule 3745-54-13? [Condition B.3.] — Yes X No___ N/A ___RMK#___

4. Is the permittee maintaining waste analysis data in the facility's operating record as required by OAC rule 3745-54-73 and Condition B.22. of the permit? — Yes X No___ N/A ___RMK#___

WASTE ANALYSIS QUALITY ASSURANCE REQUIREMENTS

5. Is the permittee verifying the analysis of each waste stream annually as part of its quality assurance program in accordance with SW-846? [Condition B.3.] — Yes X No___ N/A ___RMK#_

6. In accordance with Condition B.3. of the permit, does the permittee's quality assurance plan ensure that the permittee is, at a minimum:

   a. Maintaining property functional instruments? — Yes X No___ N/A ___RMK#___

   b. Using approved sampling/analytical methods? — Yes X No___ N/A ___RMK#___

c. Verifying the validity of sampling and analytical procedures and performance of correct calculations? Yes X No___ N/A ___RMK#___

7. If the permittee uses a contract laboratory to perform analyses, did the permittee inform the laboratory in writing that it must operate under the waste analysis conditions set forth in this permit? - on-site WS Yes X No___ N/A ___RMK#___

REMARKS

GENERAL INSPECTION REQUIREMENTS

1. Is the permittee following the inspection procedures and schedules described in Section F of the approved permit application and the requirements of OAC rule 3745-54-15? [Condition B.5.] — Yes_X_No___ N/A ___RMK#___

2. Does the permittee inspect the facility with such regularity as to identify problems resulting from deterioration, malfunctions, operator errors or discharges which may lead to a release of hazardous waste to the environment or a threat to human health? [OAC 3745-54-15(A)(1)(2)] — Yes_X_No___ N/A ___RMK#___

3. Is the permittee following the approved inspection schedule for inspecting: monitoring equipment, safety equipment, emergency equipment, security devices and operating and structural equipment as specified in OAC rule 3745-54-15? — Yes_X_No___ N/A ___RMK#___

   a. Is the schedule kept at the facility? [OAC 3745-54-15(B)(2)] — Yes_X_No___ N/A ___RMK#___

   b. Does the schedule identify the types of problems which are to be looked for during the inspection? [OAC 3745-54-15(B)(3)] — Yes_X_No___ N/A ___RMK#___

   c. Does the schedule include inspection of areas subject to spills daily when in use and according to other applicable regulations when not in use? [OAC 3745-54-15(B)(4)] — Yes_X_No___ N/A ___RMK#___

4. Does the permittee remedy deterioration or any malfunctions discovered by an inspection as required by OAC rule 3745-54-15(C)? [Condition B.5.] — Yes_X_No___ N/A ___RMK#___

5. Is the permittee maintaining records of inspections for a minimum of three years? [Condition B.5.] — Yes_X_No___ N/A ___RMK#___

6. In accordance with OAC rule 3745-54-15(D) and Condition B.5. of the permit, do inspection records contain the following information:

   a. Date and time of inspection? — Yes_X_No___ N/A ___RMK#___

b. Signature of inspector? Yes X No___ N/A ___RMK#___

c. Notation of observations made? Yes X No___ N/A ___RMK#___

d. Date/nature of any repairs or other remedial actions? Yes X No___ N/A ___RMK#___

SECURITY PROVISIONS/FACILITY OPERATION

1. Is the permittee complying with the security provisions of OAC rule 3745-54-14(B)(1) and B(2) and (C) and Section F of the approved permit application, including the following: [Condition B.4.]

   a. Does the permittee have a 24-hour surveillance system which continuously monitors and controls entry onto the active portion of the facility; Yes X No___ N/A ___RMK#___

   b. An artificial or natural barrier (in good repair) which completely surrounds the active portion of the facility; or Yes X No___ N/A ___RMK#___

   c. A means to control entry, at all times, through gates or other entrances, to the active portion of the facility? Yes X No___ N/A ___RMK#___

2. In accordance with OAC rule 3445-54-14(C), does the permittee have signs reading ADanger-Unauthorized Personnel Keep Out@ posted at each entrance and at other locations and in sufficient numbers to be seen when approaching the active portion of the facility? [Condition B.4.] Yes X No___ N/A ___RMK#___

3. Is construction, maintenance and operation of the facility being conducted to minimize the possibility of a fire, explosion, or unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, ground or surface waters? [Condition B.1.] Yes X No___ N/A ___RMK#___

PERSONNEL TRAINING

1. Is the facility conducting personnel training in accordance with Section H of the approved permit application and the following requirements of OAC rule 3745-54-16: [Condition B.6.]

   a. The facility provides personnel training which includes instruction in safe equipment operation and emergency procedures and implementation of the contingency plan? [OAC 3745-54-16(A)(B)(C)] — Yes X No___ N/A ___RMK#___

   b. The facility provides personnel training to new employees within six months after their date of employment as required by OAC 3745-54-16(B)? — Yes X No___ N/A ___RMK#___

   c. The facility provides an annual refresher training course as required by OAC rule 3745-54-16(B)? — Yes X No__ N/A ___RMK#__

2. Is the permittee maintaining personnel training records as required by OAC rule 3745-54-16(D) and of the approved application, including: written job titles, job descriptions and documented employee training records? [Condition B.6.] — Yes X No___ N/A ___RMK#___

REQUIRED EQUIPMENT

1. Is the permittee, at a minimum, maintaining the equipment set forth in the approved permit application (Section G) at the facility? [Condition B.9.] — Yes X No___ N/A ___RMK#___

2. Is the permittee inspecting, testing, and maintaining the equipment specified in Question #1 to assure its proper operation as specified in OAC rule 3745-54-33, the inspection plans and Section G of the approved permit application? [Condition B.10.] — Yes X No___ N/A ___RMK#___

3. Whenever hazardous waste is being managed at the facility, has the permittee provided all personnel involved in the operation with immediate access to an internal alarm or emergency communication device as required by OAC rule 3745-54-34 and Section G of the approved permit application? [Condition B.11.] — Yes X No___ N/A ___RMK#___

CONTINGENCY PLAN REQUIREMENTS

EMERGENCY PROCEDURES

1. In compliance with Condition B.13.(a) of the permit, does the permittee:

   a. Familiarize the emergency response agencies likely to respond to an emergency at the facility with:

      i. The location and layout of the facility? Yes ✓ No___ N/A ___RMK#___

      ii. Properties of hazardous waste and mixed waste managed at the facility and associated hazards? Yes ✓ No___ N/A ___RMK#___

      iii. Places where facility personnel will normally be working? Yes ✓ No___ N/A ___RMK#___

      iv. Entrances to and roads inside the facility? Yes ✓ No___ N/A ___RMK#___

      v. Evacuation routes as depicted in Section G of the permit application? Yes ✓ No___ N/A ___RMK#___

   b. Inform emergency response agencies of safety equipment, supplies, proper emergency procedures that are applicable to the facility, and any further requirements imposed by the permit?; and Yes ✓ No___ N/A ___RMK#___

   c. Familiarize local police and fire departments, local hospitals and other local emergency services with the properties of hazardous waste and mixed waste managed at the facility and the types of injuries which could result from fires, explosions or a release of hazardous wastes at the facility? Yes ✓ No___ N/A ___RMK#___

2. Is the permittee in compliance with the requirements of OAC rule 3745-54-56 and Section G of the approved permit application regarding emergency procedures? [Condition B.20.] Yes ✓ No___ N/A ___RMK#___

EMERGENCY AUTHORITIES

3. Has a state or local agency declined to enter into the arrangements set forth in OAC rule 3745-54-37(A)? If so, — Yes___No___ N/A X RMK#___

   a. Has the permittee documented the refusal in the operating record as required by OAC rule 3745-54-37(B)? [Condition B.13.(b)] — Yes___No___ N/A X RMK#___

4. Has the permittee, in accordance with OAC rule 3745-54-53 submitted a copy of the approved contingency plan (including amendments, revisions or changes) to all local authorities, agencies and response contractors designated in the approved contingency plan? [Condition B.18.] — Yes X No___ N/A ___RMK#___

5. Has the permittee notified the agencies in Question #4, in writing, within ten days of the effective date of any amendments or revisions to the Plan? [Condition B.18.(b)] — Yes X No___ N/A ___RMK#___

6. Has the permittee submitted a copy of the approved contingency plan and all revisions, amendments and modifications to the Ohio EPA, Division of Emergency and Remedial Response in accordance with OAC rule 3745-54-53? [Condition B.18.(c)] — Yes X No___ N/A ___RMK#___

EMERGENCY COORDINATOR

7. Is the permittee in compliance with the requirements of OAC rule 3745-54-55 with regard to the emergency coordinator? [Condition B.19.] — Yes X No___ N/A ___RMK#___

AMENDMENT OF PLAN

8. Is the permittee reviewing the approved contingency plan regularly and amending the plan immediately if needed in compliance with OAC rule 3745-54-54? [Condition B.17.] — Yes X No___ N/A ___RMK#___

Note: *Also see Question #4 of RECORDKEEPING REQUIREMENTS to verify that any changes to the contingency plan were submitted in accordance with OAC rule 3745-50-51.*

IMPLEMENTATION OF PLAN

9. Has there been a fire, explosion or release of hazardous waste or mixed waste or constituents at the facility since the last date of inspection as described by Condition B.14. of the permit? If so, DUO 9 [illegible] August 2012. — Yes X No__ N/A ___RMK#___

   a. Did the permittee immediately implement the approved contingency plan and follow the emergency procedures described in OAC rule 3745-54-56? [Condition B.14.] — Yes X No__ N/A ___RMK#___

   b. Did the permittee collect and manage released material, emergency response material and by-products as hazardous waste or mixed waste until making a demonstration to Ohio EPA that such materials are not subject to Ohio hazardous waste rules? [Condition B.16.] — Yes X No__ N/A ___RMK#___

   c. Within 15 days of the incident did the permittee submit, to the director, a written report of the incident? If so, — Yes X No__ N/A ___RMK#___

      i. Did the report contain the elements set forth in OAC rule 3745-54-56(J)? [Condition B.23.] ***Note:*** *See also Conditions A.21. and A.22. of the permit for additional reporting/recordkeeping requirements.* — Yes X No__ N/A ___RMK#___

   d. Did the permittee note in the operating record the time, date and details of any incident that required the implementation of the approved contingency plan? [Condition B.23.] — Yes X No__ N/A ___RMK#___

REMARKS

CLOSURE PLAN/AMENDMENT

1. Is the permittee maintaining at the facility, the approved closure plan which contains the elements set forth in OAC rule 3745-55-12? [Condition B.29.] — Yes X No___ N/A ___ RMK#___

2. Has the permittee amended the closure plan? If so, — Yes X No___ N/A ___ RMK#___

   a. Has the plan been amended in accordance with OAC rule 3745-55-12(C)? [Condition B.28.] — Yes X No___ N/A ___ RMK#___

NOTE: *Also see RECORDKEEPING REQUIREMENTS (Question #4) in order to verify that any changes to the closure plan were submitted in accordance with OAC rule 3745-50-51.*

CLOSURE ACTIVITIES

3. Has the permittee closed the facility? If so, — Yes___ No X N/A ___ RMK#___

   a. Was closure conducted in accordance with the closure performance standard of OAC rule 3745-55-11? [Condition B.26.] — Yes___ No___ N/A X RMK#___

   b. Did the permittee carry-out the approved closure plan as set forth in the permit application and terms and conditions of the permit? [Condition B.26.] — Yes___ No___ N/A X RMK#___

   c. After receiving the final volume of hazardous waste, did the permittee remove from the facility all hazardous waste and mixed waste and complete closure activities in accordance with the schedule specified in the approved closure plan and as required by OAC rule 3745-55-13? [Condition B.31.] — Yes___ No___ N/A X RMK#___

   d. Has the permittee decontaminated and/or disposed of all facility equipment, structures and soils as required by OAC rule 3745-55-14 and the approved closure plan? [Condition B.32.] — Yes___ No___ N/A X RMK#___

   e. Did the permittee notify Ohio EPA's Southeast District Office within five working days prior to all rinseate and soil sampling? [Condition B.32.(b)] — Yes___ No___ N/A X RMK#___

   f. Has the permittee certified that the facility has been closed in accordance with the specifications in the approved closure plan as required by OAC rule 3745-55-15? [Condition B.33.] — Yes___ No___ N/A X RMK#___

REMARKS

REQUIREMENTS FOR IGNITABLE, REACTIVE OR INCOMPATIBLE WASTES

1. Is the permittee following the procedures as specified in OAC rules 3745-54-17, 3745-55-77 and Section F of the approved application when managing ignitable, reactive and/or incompatible wastes? [Conditions B.7.(a) and C.10. and C.11.] — Yes_✓_No___ N/A ___RMK#___

2. Does the permittee ***not*** store incompatible waste ***except*** in accordance with OAC rules 3745-54-17(B) and 3745-55-77, and the terms and conditions of this permit? [Condition C.11.(a)] — Yes_✓_No___ N/A ___RMK#___

3. Does the permittee take precautions to prevent placing hazardous waste or mixed waste in an unwashed container that previously held an incompatible waste or material? [Condition C.11.(b)] — Yes_✓_No___ N/A ___RMK#___

4. Does the permittee ensure that all containers of incompatible wastes are physically separated from other incompatible wastes or materials by a wall, berm, dike, or other device in accordance with OAC rule 3745-55-77 and the Appendix to OAC rule 3745-55-99? [Condition C.11.(c)] — Yes_✓_No___ N/A ___RMK#___

   a. Are all containers of aqueous hazardous acids (ph $\leq$ 2) and caustics ph $\geq$ 12.5) sorted on different pallets and physically separated in different rooms? [Condition C.11.(c)] — Yes_✓_No___ N/A ___RMK#___

   b. Are aqueous acids and caustics in poly bottles, and other containers requiring nuclear criticality safety spacing physically separated in the same room by a dike? [Condition C.11.(c)] — Yes_✓_No___ N/A ___RMK#___

   c. Are containers of cyanides and sodium metals being stored in rooms physically separate from other incompatible wastes or other incompatible materials? [Condition C.11.(c)] — Yes_✓_No___ N/A ___RMK#___

5. Does the permittee provide electrical grounding for all containers, tanks and transport vehicles during all operations involving the handling of flammable and/or combustible wastes? [Condition B.7.(b)] Yes_X_No___ N/A ___RMK#___

6. Does the permittee provide and require the use of spark proof tools during all operations involving the handling of flammable and/or combustible wastes? [Condition B.7.(c)] Yes_X_No___ N/A ___RMK#___

7. Does the permittee prohibit smoking and open flames in areas where hazardous wastes are managed and post appropriate signs? [Condition B.7.(d)] Yes_X_No___ N/A ___RMK#___

8. As required by OAC rule 3745-55-76, does the permittee store containers of ignitable or reactive wastes greater than 15 meters (50 feet) away from the Portsmouth Gaseous Diffusion Plant reservation boundary? [Condition C.10.(a)] Yes_X_No___ N/A ___RMK#___

REMARKS

STORAGE OF HAZARDOUS WASTES IN CONTAINERS

NOTE: *The requirements of permit Condition C do not apply to the permittee's activities as a generator accumulating hazardous waste for < 90 days per OAC rule 3745-52-34(A). Please complete the applicable sections of the Generator Requirements checklist to document compliance with activities associated with < 90-day accumulation of wastes.*

1. Is the permittee storing in containers, only those wastes as specified in Section A of the Part B permit application? [Condition C.1.(a), C.2.] — Yes X No___ N/A ___RMK#___

2. Does the permittee limit the total quantity of containerized waste in the container storage area to 133,000 gallons at any given time in the permitted container areas, located in building X-326? [Condition C.1.(a)] — Yes X No___ N/A ___RMK#___

NOTE: *For the purposes of compliance with the capacity limitation of the permit, each container will be considered to be storing an amount of hazardous waste equal to its capacity. For example, a 55-gallon drum will be considered to be holding 55 gallons of waste, regardless of the actual quantity stored in the drum. [Condition C.1.(b)]*

3. When accumulating waste within the permitted X-326 container storage area, does the permittee ensure that the total amount of waste (both > 90 days and < 90 days) does not exceed the maximum container storage inventory established under Condition C.1.? [Condition C.1.(c)] — Yes X No___ N/A ___RMK#___

4. Are hazardous wastes subject to regulation by the permit stored only at the designated container storage area described in the approved permit application? (See Section D of the permit application) [Condition C.1.(a)] — Yes X No___ N/A ___RMK#___

5. Is each container stored clearly marked to identify its contents and the date each period of accumulation/storage begins? (See Section D of the permit application) [Condition C.3.] — Yes X No___ N/A ___RMK#___

6. Does the permittee store hazardous waste in the types of containers described in Section D of the approved permit application? [Condition C.1.(a)] — Yes X No___ N/A ___RMK#___

CONDITION OF CONTAINERS

8. Are containers holding hazardous wastes in good condition? [Condition C.3.] — Yes_X_No___ N/A ___RMK#___

   a. If not, (e.g., severe rusting, structural defects) did the permittee transfer the hazardous waste from such a container to a container that is in good condition or otherwise manage the waste in a manner that complies with the conditions of the permit and OAC rule 3745-55-71? [Condition C.3.] — Yes_X_No__ N/A ___RMK#___

9. Does the permittee ensure that all containers used at the facility are compatible with the hazardous waste to be stored in them as required by OAC rule 3745-55-72? [Condition C.4.] — Yes_X_No___ N/A ___RMK#___

10. Is storage conducted in the container storage containment system as described in Condition C.1. of the permit and Section D of the approved permit application? [Condition C.5.(a)] — Yes_X_No___ N/A ___RMK#___

11. Does the permittee keep all containers closed during storage except when it is necessary to add or remove waste as required by OAC rule 3745-55-73? [Condition C.5.(b)] — Yes_X_No___ N/A ___RMK#___

12. Are lab-pack wastes handled in compliance with applicable storage requirements? [Condition C.5.(c)] — Yes_X_No___ N/A ___RMK#___

13. Are lab-pack wastes packaged in drums containing absorbent material that is compatible with the wastes? [Condition C.5.(d)] — Yes_X_No___ N/A ___RMK#___

INSPECTIONS

14. Is the permittee inspecting the container area weekly in accordance with OAC rules 3745-54-15, and 3745-54-73 and the approved inspection schedule (Section F) to detect leaking containers and deterioration of containers and the containment system? [Condition C.8.] — Yes_X_No___ N/A ___RMK#___

a. Does the permittee note the results of these inspections in the inspection log along with any remedial action taken? [Condition C.8.] Yes X No___ N/A ___RMK#___

b. On days when containerized waste are added or removed to and/or from any of the permitted areas for storage, does the permittee conduct inspections as described in Section F of the approved Part B permit application and maintain the inspection results in the facility operating record? [Condition C.8.] Yes X No___ N/A ___RMK#___

CONTAINMENT SYSTEM

15. Does the permittee maintain the containment system as described in Section D of the approved Part B permit application, including: [Condition C.6.] Yes X No___ N/A ___RMK#___

a. Sufficient design to contain 10% of the total volume of the containers or the volume of the largest container, whichever is greater? [Condition C.6.(b)] Yes X No___ N/A ___RMK#___

b. A system which is free of gaps and sufficiently impervious to contain leaks and spills? Yes___No X N/A ___RMK#___
Sec 2 –

c. Equipped with a coating which is compatible with each waste stored in the area? Yes___No X N/A ___RMK# 2
Sec 2 pending [illegible] [illegible] 6/10/13

d. *For those wastes which are deemed incompatible with liner material:* Has the permittee installed a separate secondary containment structure within the existing structure which is equipped with a compatible liner? Yes X No___ N/A ___RMK#___

16. Has the permittee had a spill or leak of wastes or an accumulation of precipitation in the containment system? If so, Yes___No X N/A ___RMK#___

a. Are spilled or leaked wastes and accumulated precipitation removed from the sump or collection area in a timely manner? [Condition C.6.(c)] Yes X No___ N/A ___RMK#___

b. Does removal of spilled/leaked wastes and accumulated precipitation occur within 24 hours from the time the spill or leak waste is discovered? [Condition C.6.(c)] Yes X No___ N/A ___RMK#___

REQUIRED AISLE SPACE

17. Is the permittee maintaining aisle space to allow unobstructed movement of personnel, fire protection equipment, spill control equipment and decontamination equipment in the event of an emergency to any area of the facility as required by OAC rule 3745-54-35? [Condition B.12.] — Yes ✓ No___ N/A ___RMK#___

CLOSURE AND POST-CLOSURE

18. At closure of the container storage area, did the permittee remove all hazardous waste, hazardous waste residues, mixed waste and mixed waste residues from the containment system, in accordance with the procedures set forth in the approved closure plan (Section I of the permit application)? [Condition C.13.(a)] — Yes___No___ N/A ✓ RMK#___

19. During closure, if the permittee could not demonstrate that all contaminated soils could be removed, did the permittee close the unit and perform post-closure care following a plan approved by Ohio EPA? [Condition C.13.(b)] — Yes___No___ N/A ✓ RMK#___

CONTAINER STORAGE OF RESIDUAL WASTE

20. Is the permittee complying with the provisions of Section C-2E of the application as amended pursuant to Condition B.2.(b) of this permit? — Yes ✓ No___ N/A ___RMK#__

LAND DISPOSAL RESTRICTION REQUIREMENTS
PROHIBITION AGAINST DILUTION

1. Has the permittee updated the annual Federal Facility Compliance Act Schedule? [OAC rule 3745-270-50; Condition B.36.] — Yes_X_No___ N/A ___RMK#___

2. Does the entity dilute a restricted waste or a treatment residue from a restricted waste: [OAC rule 3745-270-40 through 49; Condition B.36.(c)] — Yes_X_No_X_N/A ___RMK#___

   a. As a substitute for adequate treatment to achieve compliance with LDR treatment standards? — Yes___No___ N/A ___RMK#___

   b. To circumvent the effective date of a prohibition (e.g., to dilute a non-wastewater waste to a wastewater to avoid complying with the non-wastewater treatment standard)? — Yes___No___ N/A ___RMK#___

   c. To otherwise avoid a prohibition in OAC rule 3745-270-30 through -39? — Yes___No___ N/A ___RMK#___

   d. To otherwise avoid a prohibition imposed by Section 3004(d) of RCRA? — Yes___No___ N/A ___RMK#___

NOTE: *If the answer to any of Questions 2(a) through 2(d) above is yes, the entity is impermissibly diluting a restricted waste and is in violation of OAC rule 3745-270-03 [Condition B.36.]. Dilution of wastes is permissible under some conditions. See OAC rule 3745-270-03(B).*

GENERATOR REQUIREMENTS

3. Has the generator adequately evaluated all wastes to determine if they are restricted from land disposal? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes_X_No___ N/A ___RMK#_

   a. ***For determinations based solely on knowledge of the waste:*** Is supporting data used to make this determination being retained on-site? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes_X_No___ N/A ___RMK#___

b. ***For determinations based upon analytical testing***: Is a copy of waste analysis data being retained on-site? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes ✓ No___ N/A ___RMK#___

4. Has the generator determined the correct treatability group for each waste restricted from land disposal (e.g., wastewater, non-wastewater, high arsenic, low arsenic, high zinc, low zinc, etc.)? [OAC rule 3745-270-07; Condition B.36.(e)] — Yes ✓ No___ N/A ___RMK#___

5. Has the generator correctly determined if restricted wastes meet or exceed treatment standards? [OAC rule 3745-270-07(A); Condition B.36.(e)] — Yes ✓ No___ N/A ___RMK#___

6. Does the entity generate any listed waste(s) which are restricted from land disposal? If so, — Yes ✓ No___ N/A ___RMK#___

   a. Do such wastes also exhibit hazardous waste characteristics as identified in OAC rules 3745-51-20 to 3745-51-24? — Yes ✓ No___ N/A ___RMK#___

   b. ***For listed wastes which also exhibit a characteristic***: Does the generator also identify the appropriate treatment standard for the constituent(s) which cause the waste to exhibit the characteristic(s)? [OAC rule 3745-270-09(A)] — Yes ✓ No___ N/A ___RMK#___

NOTE: *The generator is not required to identify the treatment standard for the characteristic if the listing covers the associated characteristic (e.g., a F019/D007 hazardous waste - F019 being listed due to chromium content and D007 being the characteristic waste code for chromium). [See OAC rule 3745-270-09(B)].*

NOTIFICATION/CERTIFICATION

7. ***For wastes that do not meet treatment standards:*** Has the generator submitted a one-time written notice to the treatment/storage facility receiving the wastes, that wastes being received do not meet treatment standards? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] — Yes ✓ No___ N/A ___RMK#___

   If so, does the notice including the following:

   a. EPA hazardous waste number? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] — Yes ✓ No___ N/A ___RMK#___

b. Appropriate treatment standard for the waste? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

c. The manifest number associated with the first shipment of waste? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

d. Waste analysis data, where available? [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

e. Applicable wastewater/non-wastewater category [OAC rule 3745-270-07(A)(2); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

f. For hazardous debris, list the contaminants subject to treatment, as described in paragraph (B) of OAC rule 3745-270-45; and an indication that these contaminants are being treated to comply with OAC rule 3745-270-45. Yes X No___ N/A ___RMK#___

g. For contaminated soil list the constituents subject to treatment as described in paragraph (D) of OAC rule 3745-270-49, and the following statement: 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 in paragraph (C) of OAC rule 3745-270-49 or the universal treatment standards. Yes X No___ N/A ___RMK#___

8. ***For wastes that meet treatment standards:*** Does the generator submit a one-time written notice and certification to the treatment, storage or disposal facility receiving the wastes stating wastes being received meet applicable treatment standards? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

If so, does the notice/certification including the following:

a. EPA hazardous waste identification number? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

b. The corresponding treatment standards and applicable prohibitions for the waste? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes X No___ N/A ___RMK#___

c. The manifest number associated with the shipment of waste? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes ✓ No__ N/A __RMK#__

d. Waste analysis data, where available? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes ✓ No__ N/A __RMK#__

e. Is the certification signed by the generator or an authorized representative? [OAC rule 3745-270-07(A)(3); Condition B.36.(j)] Yes ✓ No__ N/A __RMK#__

f. For contaminated soil list the constituents subject to treatment as described as described in paragraph (D) of OAC rule 3745-270-49, and the following statement: 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 in paragraph (C) of OAC rule 3745-270-49 or the universal treatment standards. Yes ✓ No__ N/A __RMK#__

9. Does the generator retain on-site a copy of all notices, certifications, demonstrations and waste analysis data for at least three years? [OAC rule 3745-270-07(A)(8); Condition B.36.(j)] Yes ✓ No__ N/A __RMK#__

STORAGE OF LAND DISPOSAL RESTRICTED WASTES

NOTE: *The following questions apply to operators of treatment, storage or disposal (TSD) facilities that accumulate LDR wastes that do not meet treatment standards in tanks or containers. A LQG who stores LDR wastes on-site for greater than 90 days becomes a operator of a storage facility and must comply with all applicable TSD requirements. SQGs become owners/operators of storage facilities if storage of LDR wastes exceeds 6,000 kg. or 180/270 days.*

NOTE: *The LDR storage prohibition does not apply to wastes which are subject to a national capacity variance, variance from the treatment standard or case-by-case extension during the period of extension/variance. The LDR storage prohibition also does not apply to wastes subject to a no-migration petition or to wastes which meet treatment standards. [OAC rule 3745-270-50(E); 40 CFR 268.50(e)]*

10. Is the owner/operator storing LDR restricted wastes in containers? If so, is each container marked with the following information in accordance with OAC rule 3745-270-50(A)(2)(a) [Condition B.36(l)] Yes ✓ No__ N/A __RMK#__

a. The identification of the contents? Yes ✓ No__ N/A __RMK#__

b. The date which accumulation began?

NOTE: *A TSD facility may store LDR wastes on-site for the purpose of accumulating a sufficient amount of waste for proper recovery, treatment or disposal. [OAC rule 3745-270-50(B)]. During the first of storage, the burden of proof is on Ohio EPA to demonstrate that such storage is not necessary by the facility. Following one year, the burden of proof shifts to the storage facility to demonstrate that such storage of LDR wastes is necessary to facilitate proper recovery, treatment or disposal.*

11. Are LDR wastes being stored at the facility for greater than one year? If so,

    a. Has the owner/operator demonstrated that such storage is being conducted solely for the purpose of accumulating sufficient quantities of wastes necessary to facilitate proper recovery, treatment or disposal? [OAC rule 3745-270-50(B); Condition B.36(m)] — Yes X No___ N/A ___RMK#___

RCRA HAZARDOUS WASTE GENERATOR
INSPECTION CHECKLIST

Company: U.S. DOE Portsmouth Gaseous Diffusion EPA ID#: OH7 890 008 983

Street: 3930 U.S. Route 23 South City: Piketon

County: Pike State: Ohio Zip: 45661

Mailing Address: Same
(If different from above)

Telephone: 740-897-5010 Fax #: _____

Owner/ Operator: _____
(If different from above)

Street: _____

City: _____ State: Ohio Zip: _____

Inspection Date(s): 6/17/2013 and 6/18/2013 Time(s): 7:30 am

Inspection Announced? _____ Yes x NO If so, how much advance notice given? _____

	Name	Affiliation	Telephone
Inspectors:	Walt Francis	U.S. EPA	312-353-4921
	Melody Stewart	Ohio EPA	740-380-5256
Facility Representative:	Kristi Wiehle	U.S. DOE	740-897-5020
	Chris Guilliams	Fluor-B&W Portsmouth, LLC	740-897-3863

Complete All Other Applicable Checklists

Generator Classification	Waste Management Activity
_____ Conditionally Exempt SQG (CESQG)	X Containers
_____ Small Quantity Generator (SQG)	_____ Tank(s)
_____ Large Quantity Generator (LQG)	X Land Disposal Requirements (LDR)
_____ No Generation	X Used Oil
	X Universal Waste
	_____ Other

CESQG: < 100 Kg. (approximately 25-30 gallons) of waste in a calendar month
SQG: Between 100 and 1,000 Kg. (about 25 to under 300 gallons) of waste in a calendar month
LQG: >1,000 Kg. (~300 gallons) of waste in a calendar month or > 1 Kg. of acutely hazardous waste in a calendar month
NOTE: *To convert from gallons to pounds: Amount in gallons x Specific Gravity x 8.345 = Amounts in pounds*

COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY

NOTE TO THE INSPECTOR

LARGE QUANTITY GENERATOR REQUIREMENTS
COMPLETE AND ATTACH A PROCESS DESCRIPTION SUMMARY

CESQG: ≤100 Kg. (Approximately 25-30 gallons) of waste in a calendar month or < 1 Kg. of acutely hazardous waste.
SQG: Between 100 and 1,000 Kg. (About 25 to under 300 gallons) of waste in a calendar month.
LQG: ≥ 1,000 Kg. (~300 gallons) of waste in a calendar month or ≥1 Kg. of acutely hazardous waste in a calendar month.
NOTE: To convert from gallons to pounds: Amount in gallons x Specific Gravity x 8.345 = Amounts in pounds.

Safety Equipment Used:

GENERAL REQUIREMENTS

1.	Have all wastes generated at the facility been adequately evaluated? [3745-52-11]		Yes	☒	No	☐	N/A ☐
2.	Are records of waste determination being kept for at least 3 years? [3745-52-40(C)]		Yes	☒	No	☐	N/A ☐
3.	Has the generator obtained a U.S. EPA identification number? [3745-52-12]		Yes	☒	No	☐	N/A ☐
4.	Were annual reports filed with Ohio EPA on or before March 1st? [3745-52-41(A)]		Yes	☒	No	☐	N/A ☐
5.	Are annual reports kept on file for at least 3 years? [3745-52-40(B)]		Yes	☒	No	☐	N/A ☐
6.	Has the generator transported or caused to be transported hazardous waste to **other** than a facility authorized to manage the hazardous waste? [ORC 3734.02(F)]		Yes	☐	No	☒	N/A ☐
7.	Has the generator disposed of hazardous waste **on-site without a permit** or at another facility **other** than a facility authorized to dispose of the hazardous waste? [ORC 3734.02(E)&(F)]		Yes	☐	No	☒	N/A ☐
8.	Does the generator accumulate hazardous waste?		Yes	☒	No	☐	N/A ☐
NOTE: If the LQG does not accumulate or treat hazardous waste, it is not subject to 52-34 standards. All other requirements still apply, e.g., annual reports, manifest, marking, record keeping, LDR, etc.							
9.	Has the generator accumulated hazardous waste on-site in excess of 90 days without a permit or an extension from the director ORC §3734.02(E)&(F)?		Yes	☐	No	☒	N/A ☐
NOTE: If F006 waste is generated and accumulated for > 90 days and is recycled see 3745-52-34(G)&(H).							
10.	Does the generator treat hazardous waste in a: [ORC 3734.02(E)&(F)]						
	a.	Container that meets 3745-66-70 to 3745-66-77?	Yes	☐	No	☒	N/A ☐
	b.	Tank that meets 3745-66-90 to 3745-66-100 except 3745-66-97(C)?	Yes	☐	No	☒	N/A ☐
	c.	Drip pads that meet 3745-69-40 to 3745-69-45?	Yes	☐	No	☒	N/A ☐
	d.	Containment building that meets 3745-256-100 to 3745-256-102?	Yes	☐	No	☒	N/A ☐
NOTE: Complete appropriate checklist for each unit.							
NOTE: If waste is treated to meet LDRs, use LDR checklist.							
11.	Does the generator export hazardous waste? If so:		Yes	☐	No	☒	N/A ☐
	a.	Has the generator notified U.S. EPA of export activity? [3745-52-53(A)]	Yes	☐	No	☐	N/A ☐
	b.	Has the generator complied with special manifest requirements? [3745-52-54]	Yes	☐	No	☐	N/A ☐
	c.	For manifests that have not been returned to the generator: has an exception report been filed? [3745-52-55]	Yes	☐	No	☐	N/A ☐
	d.	Has an annual report been submitted to U.S. EPA? [3745-52-56]	Yes	☐	No	☐	N/A ☐

	e.	Are export related documents being maintained on-site? [3745-52-57(A)]	Yes ☐ No ☐ N/A ☒
MANIFEST REQUIREMENTS			
12.	Have all hazardous wastes shipped off-site been accompanied by a manifest? (U.S. EPA Form 8700-22) [3745-52-20(A)(1)]		Yes ☒ No ☐ N/A ☐
13.	Have items (1) through (20) of each manifest been completed? [3745-52-20(A)(1)]&[3745-52-27(A)]		Yes ☒ No ☐ N/A ☐
NOTE: U.S. EPA Form 8700-22(A) (the continuation form) may be needed in addition to Form 8700-22. In these situations items (21) through (35) must also be completed. [3745-52-20(A)(1)]			
14.	Does each manifest designate at least one facility which is permitted to handle the waste? [3745-52-20(B)]		Yes ☒ No ☐ N/A ☐
NOTE: The generator may designate on the manifest one alternate facility to handle the waste in the event of an emergency which prevents the delivery of waste to the primary designated facility. [3745-52-20(C)]			
15.	If the transporter was unable to deliver a shipment of hazardous waste to the designated facility, did the generator designate an alternate TSD facility or give the transporter instructions to return the waste? [3745-52-20(D)]		Yes ☒ No ☐ N/A ☐
16.	Have the manifests been signed by the generator and initial transporter? [3745-52-23(A)(1)&(2)]		Yes ☒ No ☐ N/A ☐
NOTE: Remind the generator that the certification statement they signed indicates: 1) they have properly prepared the shipment for transportation and 2) they have a program in place to reduce the volume and toxicity waste they generate.			
17.	If the generator received a rejected load or residue and accumulated the waste on-site, did the generator sign item 18c or 20 of the manifest? [3745-52-34(M)]		Yes ☐ No ☐ N/A ☒
18.	If the generator did not receive a return copy of each completed manifest within 35 days of the waste being accepted by the transporter, did the generator contact the transporter and/or TSD facility to check on the status of the waste? [3745-52-42(A)(1)]		Yes ☐ No ☐ N/A ☒
19.	If the generator has not received the manifest within 45 days, did the generator file an exception report with Ohio EPA? [3745-52-42(A)(2)]		Yes ☐ No ☐ N/A ☒
20.	Are signed copies of all manifests and any exception reports being retained for at least three years? [3745-52-40]		Yes ☒ No ☐ N/A ☐
NOTE: Waste generated at one location and transported along a publicly accessible road for temporary consolidated storage or treatment on a contiguous property also owned by the same person is not considered "on-site" and manifesting and transporter requirements must be met. To transport "along" a public right-of-way the destination facility has to act as a transfer facility or have a permit because this is considered to be "off-site." For additional information see the definition of "on-site" in OAC rule 3745-50-10.			
PERSONNEL TRAINING			
21.	Does the generator have a training program which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to their positions? [3745-65-16(A)(2)]		Yes ☒ No ☐ N/A ☐
22.	Does the personnel training program, at a minimum, include instructions to ensure that facility personnel are able to respond effectively to emergencies involving hazardous waste by familiarizing them with emergency procedures, emergency equipment and emergency systems (where applicable)? [3745-65-16(A)(3)]		Yes ☒ No ☐ N/A ☐
NOTE: For facility employees that receive emergency response training pursuant to OSHA regulations, the facility is not required to provide separate emergency response training, provided that the overall facility training meets all the requirements of OAC 3745-65-16(A). [3745-65-16(A)(4)]			
23.	Is the personnel training program directed by a person trained in hazardous waste management procedures? [3745-65-16(A)(2)]		Yes ☒ No ☐ N/A ☐
24.	Do new employees receive training within six months after the date of hire (or assignment to a new position)? [3745-65-16(B)]		Yes ☒ No ☐ N/A ☐
25.	Does the generator provide annual refresher training to employees? [3745-65-16(C)]		Yes ☒ No ☐ N/A ☐

26.	Does the generator keep records and documentation of:		
	a.	Job titles? [3745-65-16(D)(1)]	Yes ☒ No ☐ N/A ☐
	b.	Job descriptions? [3745-65-16(D)(2)]	Yes ☒ No ☐ N/A ☐
	c.	Type and amount of training given to each person? [3745-65-16(D)(3)]	Yes ☒ No ☐ N/A ☐
	d.	Completed training or job experience required? [3745-65-16(D)(4)]	Yes ☒ No ☐ N/A ☐
27.	Are training records for current personnel kept until closure of the facility and are training records for former employees kept for at least three years from the date the employee last worked at the facility? [3745-65-16(E)]		Yes ☒ No ☐ N/A ☐

NOTE: The following section can be used by the inspector to document that all personnel who are involved with hazardous waste management have been trained. The employees who need training (written and/or on-the -job) may include the following: environmental coordinators, drum handlers, emergency coordinators, personnel who conduct hazardous waste inspections, emergency response teams, personnel who prepare manifest, etc.

Job Performed	Name of Employee	Date Trained

CONTINGENCY PLAN

28.	Does the owner/operator have a contingency plan to minimize hazards to human health or the environment from fires, explosions or any unplanned release of hazardous waste? [3745-65-51(A)]		Yes ☒ No ☐ N/A ☐
29.	Does the plan describe the following:		
	a.	Actions to be taken in response to fires, explosions or any unplanned release of hazardous waste? [3745-65-52(A)]	Yes ☒ No ☐ N/A ☐
	b.	Arrangements with emergency authorities? [3745-65-52(C)]	Yes ☒ No ☐ N/A ☐
	c.	A current list of names, addresses and telephone numbers (office and home) of all persons qualified to act as emergency coordinator? [3745-65-52(D)]	Yes ☒ No ☐ N/A ☐
	d.	A list of all emergency equipment, including: location, a physical description and brief outline of capabilities? [3745-65-52(E)]	Yes ☒ No ☐ N/A ☐
	e.	An evacuation plan for facility personnel where there is possibility that evacuation may be necessary? [3745-65-52(F)]	Yes ☒ No ☐ N/A ☐

NOTE: If the facility already has a "Spill Prevention, Control and Countermeasures Plan" under 40 CFR Part 112 or 40 CFR Part 1510, or some other emergency plan, the facility can amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with OAC requirements. The facility may develop one contingency plan which meets all regulatory requirements. Ohio EPA recommends that the plan be based on the "National Response Team's Integrated Contingency Plan Guidance (One Plan)." [3745-65-52(B)]

30.	Is a copy of the plan (plus revisions) kept on-site and been given to all emergency authorities that may be requested to provide emergency services? [3745-65-53(A)&(B)]	Yes ☒ No ☐ N/A ☐
31.	Has the generator revised the plan in response to rule changes, facility, equipment and personnel changes, or failure of the plan? [3745-65-54]	Yes ☒ No ☐ N/A ☐
32.	Is an emergency coordinator available at all times (on-site or on-call)? [3745-65-55]	Yes ☒ No ☐ N/A ☐

NOTE: The emergency coordinator shall be thoroughly familiar with: (a) all aspects of the facility's contingency plan; (b) all operations and activities at the facility; (c) the location and characteristics of waste handled; (d) the location of all records within the facility; (e) facility layout; and (f) shall have the authority to commit the resources needed to implement provisions of the contingency plan.

EMERGENCY PROCEDURES			
33.	Has there been a fire, explosion or release of hazardous waste or hazardous waste constituents since the last inspection? If so:		Yes ☐ No ☒ N/A ☐
	a.	Was the contingency plan implemented? [3745-65-51(B)]	Yes ☐ No ☐ N/A ☒
	b.	Did the facility follow the emergency procedures in 3745-65-56(A) through (H)?	Yes ☐ No ☐ N/A ☒
	c.	Did the facility submit a report to the Director within 15 days of the incident as required by 3745-65-56(I)?	Yes ☐ No ☐ N/A ☒
NOTE: OAC 3745-65-51(B) requires that the contingency plan be implemented immediately whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents, which could threaten human health and the environment.			
PREPAREDNESS AND PREVENTION			
34.	Is the facility operated to minimize the possibility of fire, explosion, or any unplanned release of hazardous waste? [3745-65-31]		Yes ☒ No ☐ N/A ☐
35.	Does the generator have the following equipment at the facility, if it is required due to actual hazards associated with the waste:		
	a.	Internal communications or alarm system? [3745-65-32(A)]	Yes ☒ No ☐ N/A ☐
	b.	Emergency communication device? [3745-65-32(B)]	Yes ☒ No ☐ N/A ☐
	c.	Portable fire control, spill control and decon equipment? [3745-65-32(C)]	Yes ☒ No ☐ N/A ☐
	d.	Water of adequate volume/pressure per documentation or facility rep? [3745-65-32(D)]	Yes ☒ No ☐ N/A ☐
NOTE: Verify that the equipment is listed in the contingency plan.			
36.	Is emergency equipment tested (inspected) as necessary to ensure its proper operation in time of emergency? [3745-65-33]		Yes ☒ No ☐ N/A ☐
37.	Are emergency equipment tests (inspections) recorded in a log or summary? [3745-65-33]		Yes ☒ No ☐ N/A ☐
38.	Do personnel have immediate access to an internal alarm or emergency communication device when handling hazardous waste (unless the device is not required under 3745-65-32)? [3745-65-34(A)]		Yes ☒ No ☐ N/A ☐
39.	If there is only one employee on the premises, is there immediate access to a device (eg., phone, hand held two-way radio) capable of summoning external emergency assistance (unless not required under 3745-65-32)? [3745-65-34(B)]		Yes ☒ No ☐ N/A ☐
40.	Is adequate aisle space provided for unobstructed movement of emergency or spill control equipment? [3745-65-35]		Yes ☒ No ☐ N/A ☐
41.	Has the generator attempted to familiarize emergency authorities with possible hazards and facility layouts? [3745-65-37(A)]		Yes ☒ No ☐ N/A ☐
42.	Where authorities have declined to enter into arrangements or agreements, has the generator documented such a refusal? [3745-65-37(B)]		Yes ☐ No ☐ N/A ☒
SATELLITE ACCUMULATION AREA REQUIREMENTS			
43.	Does the generator ensure that satellite accumulation area(s):		
	a.	Are at or near a point of generation? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐
	b.	Are under the control of the operator of the process generating the waste? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐
	c.	Do not exceed a total of 55 gallons of hazardous waste per waste stream? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐
	d.	Do not exceed one quart of acutely hazardous waste at any one time? [3745-52-34(C)(1)]	Yes ☒ No ☐ N/A ☐

	e.	Containers are closed, in good condition and compatible with wastes stored in them? [3745-52-34(C)(1)(a)]	Yes ☒ No ☐ N/A ☐
	f.	Containers are marked with words "Hazardous Waste" or other words identifying the contents? [3745-52-34(C)(1)(b)]	Yes ☒ No ☐ N/A ☐
44.	Is the generator accumulating hazardous waste(s) in excess of the amounts listed in the preceding question? If so:		Yes ☒ No ☐ N/A ☐
	a.	Did the generator comply with 3745-52-34(A)(1) through (4) or other applicable generator requirements within three days? [3745-52-34(C)(2)]	Yes ☒ No ☐ N/A ☐
	b.	Did the generator mark the container(s) holding excess with the accumulation date when the 55 gallon (one quart) limit was exceeded? [3745-52-34(C)(2)]	Yes ☒ No ☐ N/A ☐
NOTE: The satellite accumulation area is limited to 55 gallons of hazardous waste accumulated from a distinct point of generation in the process under the control of the operator of the process generating the waste (less then 1 quart for acute hazardous waste). There could be individual waste streams accumulated in an area from different points of generation.			
USE AND MANAGEMENT OF CONTAINERS IN <90 DAY ACCUMULATION AREAS			
45.	Has the generator marked containers with the words "Hazardous Waste?" [3745-52-34(A)(3)]		Yes ☒ No ☐ N/A ☐
46.	Is the accumulation date on each container? [3745-52-34(A)(2)]		Yes ☒ No ☐ N/A ☐
47.	Are hazardous wastes stored in containers which are:		
	a.	Closed (except when adding/removing wastes)? [3745-66-73(A)]	Yes ☒ No ☐ N/A ☐
	b.	In good condition? [3745-66-71]	Yes ☒ No ☐ N/A ☐
	c.	Compatible with wastes stored in them? [3745-66-72]	Yes ☒ No ☐ N/A ☐
	d.	Handled in a manner which prevents rupture/leakage? [3745-66-73(B)]	Yes ☒ No ☐ N/A ☐
NOTE: Record location on process summary sheets, photograph the area, and record on facility map.			
48.	Is the container accumulation areas(s) inspected weekly? [3745-66-74]		Yes ☒ No ☐ N/A ☐
	a.	Are inspections recorded in a log or summary? [3745-66-74]	Yes ☒ No ☐ N/A ☐
NOTE: "Week" means 7 consecutive days per ORC§1.44(A).			
49.	Are containers of ignitable or reactive wastes located at least 50 feet (15 meters) from the facility's property line? [3745-66-76]		Yes ☒ No ☐ N/A ☐
50.	Are containers of incompatible wastes stored separately from each other by means of a dike, berm, wall or other device? [3745-66-77(C)]		Yes ☒ No ☐ N/A ☐
51.	If the generator places incompatible wastes, or incompatible wastes and materials in the same container, is it done in accordance with 3745-65-17(B)? [3745-66-77(A)]		Yes ☒ No ☐ N/A ☐
52.	If the generator places hazardous waste in an unwashed container that previously held an incompatible waste, is it done in accordance with 3745-65-17(B)? [3745-66-77(B)]		Yes ☒ No ☐ N/A ☐
NOTE: OAC 3745-65-17(B) requires that the generator treat, store, or dispose of ignitable or reactive waste, and the mixture or commingling of incompatible wastes, or incompatible wastes and materials so that it does not create undesirable conditions or threaten human health or the environment.			
53.	If the generator has closed a <90 day accumulation area does the closure appear to have met the closure performance standard of 3745-66-11? [3745-52-34(A)(1)]		Yes ☒ No ☐ N/A ☐

NOTE: Please provide a description of the unit and documentation provided by the generator for the file to demonstrate that closure was completed in accordance with the closure performance standards. If the generator has closed a <90 day tank, closure must also be completed in accordance with OAC 3745-66-97 (except for paragraph C of this rule). [3745-52-34]		
PRE-TRANSPORT REQUIREMENTS		
54.	Does the generator package/label its hazardous waste in accordance with the applicable DOT regulations? [3745-52-30, 3745-52-31 and 3745-52-32(A)]	Yes ☒ No ☐ N/A ☐
55.	Does each container ≤119 gallons have a completed hazardous waste label? [3745-52-32(B)]	Yes ☒ No ☐ N/A ☐
56.	Before off-site transportation, does the generator placard or offer the appropriate DOT placards to the initial transporter? [3745-52-33]	Yes ☒ No ☐ N/A ☐

LARGE QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS			
Large Quantity Universal Waste Handler (LQUWH) = 5,000 Kg or more			
Small Quantity Universal Waste Handler (SQUWH) = 5,000 Kg or less			
GENERAL REQUIREMENTS			
1.	Has the LQUWH obtained a U.S. EPA Identification number before exceeding 5,000 kg limit? [3745-273-32(A)(1)]		Yes ☒ No ☐ N/A ☐
PROHIBITIONS			
2.	Did the LQUWH dispose of universal waste? [3745-273-31(A)]		Yes ☐ No ☒ N/A ☐
3.	Did the LQUWH dilute or treat universal waste, except when responding to releases as provided in OAC rule 3745-273-37 or managing specific wastes as provided in OAC rule 3745-273-33? [3745-273-31(B)]		Yes ☐ No ☒ N/A ☐
WASTE MANAGEMENT AND LABELING/MARKING			
UNIVERSAL WASTE BATTERIES			
4.	Are batteries that show evidence of leakage, spillage or damage that could cause leaks contained? [3745-273-33(A)(1)]		Yes ☒ No ☐ N/A ☐
5.	If the batteries are contained, are the containers closed, structurally sound, compatible with the contents of the battery and lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-33(A)(1)]		Yes ☒ No ☐ N/A ☐
6.	Are the casings of the batteries breached, not intact, or open (except to remove the electrolyte)? [3745-273-33(A)]		Yes ☒ No ☐ N/A ☐
7.	If the electrolyte is removed or other wastes generated, has it been determined whether the electrolyte or other wastes exhibit a characteristic of a hazardous waste? [3745-273-33(A)(3)]		Yes ☐ No ☐ N/A ☒
	a.	If the electrolyte or other waste is characteristic, is it managed in compliance with OAC Chapters 3745-50 through 3745-69? [3745-273-33(A)(3)(a)]	Yes ☐ No ☐ N/A ☒
	b.	If the electrolyte or other waste is not hazardous, is it managed in compliance with applicable law? [3745-273-33(A)(3)(b)]	Yes ☐ No ☐ N/A ☒
8.	Are the batteries or containers of batteries labeled with the words "Universal Waste-Batteries" or "Waste Battery(ies)" or "Used Battery(ies)?" [3745-273-34(A)]		Yes ☒ No ☐ N/A ☐
UNIVERSAL WASTE PESTICIDES			
9.	Does the LQUWH prevent releases to the environment by managing pesticides in containers that are closed, structurally sound, compatible with the pesticides, and lack evidence of leakage, spillage, or damage? [3745-273-33(B)(1)]		Yes ☐ No ☐ N/A ☒
10.	If the original pesticide container is in poor condition, was it over-packed into an acceptable container? [3745-273-33(B)(2)]		Yes ☐ No ☐ N/A ☐
11.	If the pesticide is stored in a tank, are the requirements of rules 3745-66-90 through 3745-66-101, except for paragraph (C) of 3745-66-97, of the OAC met? [3745-273-33(B)(3)]		Yes ☐ No ☐ N/A ☐
12.	If pesticides are stored in a transport vehicle, is it closed, structurally sound, compatible with the pesticide(s), and does it lack evidence of leakage, spillage, or damage that could cause leakage? [3745-273-33(B)(4)]		Yes ☐ No ☐ N/A ☐
13.	Are recalled universal waste pesticides that are in containers, tanks, or transport vehicles labeled with the label that was on or accompanied the product as sold or distributed and labeled with the words "Universal Waste-Pesticides" or "Waste Pesticides?" [3745-273-34(B)(1)&(2)]		Yes ☐ No ☐ N/A ☐
14.	Are unused pesticide products that are in containers, tanks, or transport vehicles labeled with either the label that was on the product when purchased (if still legible), the appropriate DOT label, or the designated label prescribed by the pesticide collection program and labeled with the words "Universal Waste-Pesticides" or "Waste Pesticides?" [3745-273-34(C)(1)&(2)]		Yes ☐ No ☐ N/A ☐

UNIVERSAL WASTE MERCURY-CONTAINING EQUIPMENT			
15.		Has mercury-containing equipment with non-contained elemental mercury or that shows evidence of leakage, spillage or damage that could cause leaks been placed in a container that is closed, structurally sound, compatible with contents of the device and lacks evidence of leakage, spillage or damage that could cause leakage and is designed to prevent escape of mercury into the environment by volatilization or any other means? [3745-273-33(C)(1)]	Yes ☒ No ☐ N/A ☐
16.		If the mercury-containing ampules are removed, does the LQUWH: [3745-273-33(C)(2)]	
	a.	Remove and manage the ampules in a manner to prevent breakage and is the removal done over or in a containment device? [3745-273-33(C)(2)(a)&(b)]	Yes ☒ No ☐ N/A ☐
	b.	Have a clean-up system readily available to transfer spilled mercury to another container that meets the requirements of OAC rule 3745-52-34 and is the spilled mercury transferred immediately? [3745-273-33(C)(2)(c)&(d)]	Yes ☒ No ☐ N/A ☐
	c.	Ensure that the area where ampules are removed is well ventilated and monitored in compliance with applicable OSHA exposure levels for mercury? [3745-273-33(C)(2)(e)]	Yes ☒ No ☐ N/A ☐
	d.	Ensure that employees are thoroughly familiar with proper waste handling and emergency procedures? [3745-273-33(C)(2)(f)]	Yes ☒ No ☐ N/A ☐
	e.	Ensure removed ampules are stored in closed, non-leaking containers that are in good condition? [3745-273-33(C)(2)(g)]	Yes ☒ No ☐ N/A ☐
	f.	Pack removed ampules in containers with packing material to prevent breakage during storage, handling and transportation? [3745-273-33(C)(2)(h)]	Yes ☒ No ☐ N/A ☐
17.		If the open original housing holding mercury is removed from a mercury-containing equipment that does not contain an ampule, does the LQUWH: [3745-273-33(C)(3)]	Yes ☒ No ☐ N/A ☐
	a.	Immediately seal the original housing holding the mercury with an air-tight seal to prevent the release of any mercury to the environment? [3745-273-33(C)(3)(a)]	Yes ☒ No ☐ N/A ☐
	b.	Follow all requirements for removing ampules and managing removed ampules in accordance with 3745-273-33(C)(2)? [3745-273-33(C)(3)(b)]	Yes ☒ No ☐ N/A ☐
18.		When removing mercury containing ampules from mercury-containing equipment or sealing mercury from its original housing if there are mercury or clean-up residues resulting from spills or leaks, and/or other waste generated (e.g., remaining mercury-containing device), has it been determined whether those exhibit a characteristic of hazardous waste identified in OAC rules 3745-51-20 to 3745-51-24? [3745-273-33(C)(4)(a)]	Yes ☒ No ☐ N/A ☐
	a.	If the residues, and/or wastes are characteristic, are they managed in compliance with Chapters 3745-50 through 3745-69, 3745-205, 3745-256, 3745-266, and 3745-270 of the Administrative Code? (The handler is considered the generator of the mercury, residues, and/or other waste and is subject to OAC Chapter 3745-52) [3745-273-33(C)(4)(b)]	Yes ☒ No ☐ N/A ☐
19.		Is mercury-containing equipment or containers of mercury-containing equipment labelled either "Universal Waste-Mercury-Containing Equipment" or "Waste Mercury-Containing Equipment" or "Used Mercury-Containing Equipment"? [3745-237-34(D)(1)]	Yes ☒ No ☐ N/A ☐
20.		Are mercury-containing thermostats or containers containing ONLY thermostats labeled either "Universal Waste-Mercury Thermostat(s)" or "Waste Mercury Thermostat(s)" or "Used Mercury Thermostat(s)?" [3745-273-34(D)(2)]	Yes ☒ No ☐ N/A ☐

UNIVERSAL WASTE LAMPS		
21.	Does the LQUHW contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with contents of the lamps? Are containers or packages closed and do they lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-33(D)(1)]	Yes ☐ No ☒ N/A ☐ Bldg XT-847
22.	Are lamps that show evidence of breakage, leakage or damage that could cause a release of mercury or hazardous constituents into the environment immediately cleaned up? Are they placed into a container that is closed, structurally sound, compatible with the contents of the lamps, and lack evidence of leakage, spillage or damage that could cause leakage or releases of mercury or hazardous constituents to the environment? [3745-273-33(D)(2)]	Yes ☒ No ☐ N/A ☐
*NOTE: **Treatment (such as crushing) by a UWH is prohibited under this rule unless the facility is permitted for such activities [3745-273-31(B)].** A generator crushing lamps must manage lamps according to hazardous waste rules (OAC Chapter 3745-52). Lamp crushing is a form of generator treatment (OAC rule 3745-52-34). Crushed lamps must be transported by a registered hazardous waste transporter to a permitted hazardous waste facility using a hazardous waste manifest.*		
23.	Are the lamps or containers or packages of lamps labeled with the words "Universal Waste-Lamp(s)" or "Waste Lamp(s)" or "Used Lamps?" [3745-273-34(E)]	Yes ☒ No ☐ N/A ☐
ACCUMULATION TIME		
24.	Is the waste accumulated for less than one year? [3745-273-35(A)]	Yes ☒ No ☐ N/A ☐
a.	If not, is the waste accumulated over one year in order to facilitate proper recovery, treatment or disposal? (Burden of proof is on the handler to demonstrate.) [3745-273-35(B)]	Yes ☐ No ☐ N/A ☒
NOTE: Accumulation is defined as date generated or date received from another handler.		
25.	Is the handler able to demonstrate the length of time the universal waste has been accumulated? [3745-273-35(C)] If yes, describe below:	Yes ☒ No ☐ N/A ☐
EMPLOYEE TRAINING		
26.	Are employees thoroughly familiar with universal waste handling/emergency procedures, relative to their responsibilities? [3745-273-36]	Yes ☒ No ☐ N/A ☐
RESPONSE TO RELEASES		
27.	Are releases of universal waste and other residues immediately contained? [3745-273-37(A)]	Yes ☒ No ☐ N/A ☐
28.	Is the material released characterized? [3745-273-37(B)]	Yes ☒ No ☐ N/A ☐
29.	If the material released is a hazardous waste, was it managed as required in OAC Chapters 3745-50 through 3745-69? (If the waste is hazardous, the handler is considered the generator of the waste and is subject to OAC Chapter 3745-52) [3745-273-37(B)]	Yes ☒ No ☐ N/A ☐
OFF-SITE SHIPMENTS		
NOTE: If a LQUWH self-transports wastes, then the handler must comply with the Universal Waste transporter requirements.		
30.	Are universal wastes sent to either another handler, destination facility or foreign destination? [3745-273-38(A)]	Yes ☒ No ☐ N/A ☐
31.	Is the handler aware of DOT requirements for packaging and shipping?	Yes ☒ No ☐ N/A ☐

		If not, make aware of 40 CFR 171-180.	
32.		Prior to shipping universal waste off-site, does the originating handler ensure that the receiver agrees to receive the shipment? [3745-273-38(D)]	Yes ☒ No ☐ N/A ☐
33.		Has the originating handler ever had an off-site shipment rejected by another handler or destination facility?	Yes ☐ No ☒ N/A ☐
	a.	If yes, did the originating handler receive the waste back or agree to where shipment was sent? [3745-273-38(E)]	Yes ☐ No ☐ N/A ☐
34.		If a handler rejects a partial or full load from another handler, does the receiving handler contact the originating handler to discuss and do one of the following:	Yes ☐ No ☐ N/A ☐
	a.	Send the waste back to the originating handler or send the shipment to a destination facility (If both the originating and receiving handler agree)? [3745-273-38(F)]	Yes ☐ No ☐ N/A ☒
35.		If the handler received a shipment of hazardous waste that was not a universal waste, did the LQUWH immediately notify Ohio EPA? [3745-273-38(G)]	Yes ☐ No ☐ N/A ☒
TRACKING UNIVERSAL WASTE SHIPMENTS			
36.		Are universal wastes received from another handler? If so:	Yes ☐ No ☒ N/A ☐
	a.	Is a record (log, invoice, manifest, bill of lading, or other shipping document) of each shipment kept? [3745-273-39(A)]	Yes ☐ No ☐ N/A ☐
37.		Does the record include the following:	
	a.	Name and address of the originating handler or foreign shipper? [3745-273-39(A)(1)]	Yes ☐ No ☐ N/A ☐
	b.	Quantity of each type of universal waste? [3745-273-39(A)(2)]	Yes ☐ No ☐ N/A ☐
	c.	Date received? [3745-273-39(A)(3)]	Yes ☐ No ☐ N/A ☐
38.		Is universal waste shipped to another handler? If so:	Yes ☐ No ☐ N/A ☐
	a.	Is a record of each shipment kept? [3745-273-39(B)]	Yes ☐ No ☐ N/A ☐
39.		Does the record include the following?	
	a.	Name and address of universal waste handler, destination facility, or foreign destination? [3745-273-39(B)(1)]	Yes ☐ No ☐ N/A ☐
	b.	Quantity of each type of universal waste? [3745-273-39(B)(2)]	Yes ☐ No ☐ N/A ☐
	c.	Date shipped? [3745-273-39(B)(3)]	Yes ☐ No ☐ N/A ☐
40.		Are records kept for three years? [3745-273-39(C)(1)&(2)]	Yes ☐ No ☐ N/A ☐
EXPORTS			
41.		Is waste being sent to a foreign destination? If so:	Yes ☐ No ☒ N/A ☐
	a.	Does the large quantity handler comply with primary exporter requirements in OAC rules 3745-52-53, 3745-52-56 and 3745-52-57? [3745-273-40(A)]	Yes ☐ No ☐ N/A ☐
	b.	Is waste exported only upon consent of the receiving country and in conformance with the U.S. EPA "Acknowledgment of Consent" as defined in OAC rules 3745-52-50 to 3745-52-57? [3745-273-40(B)]	Yes ☐ No ☐ N/A ☐
	c.	Is a copy of the U.S. EPA "Acknowledgment of Consent" provided to the transporter? [3745-273-40(C)]	Yes ☐ No ☐ N/A ☐

LARGE QUANTITY UNIVERSAL WASTE HANDLER REQUIREMENTS – BATTERIES AND LAMPS		
Large Quantity Universal Waste Handler (LQUWH) = 5,000 Kg or more		
Small Quantity Universal Waste Handler (SQUWH) = 5,000 Kg or less		
GENERAL REQUIREMENTS		
1.	Has the LQUWH obtained a U.S. EPA Identification number before exceeding 5,000 kg limit? [3745-273-32(A)(1)]	Yes ☒ No ☐ N/A ☐
PROHIBITIONS		
2.	Did the LQUWH dispose of universal waste? [3745-273-31(A)]	Yes ☐ No ☒ N/A ☐
3.	Did the LQUWH dilute or treat universal waste, except when responding to releases as provided in OAC rule 3745-273-37 or managing specific wastes as provided in OAC rule 3745-273-33? [3745-273-31(B)] (this change makes it like the SQUWH checklist)	Yes ☐ No ☒ N/A ☐
WASTE MANAGEMENT AND LABELING/MARKING		
UNIVERSAL WASTE BATTERIES		
4.	Are batteries that show evidence of leakage, spillage or damage that could cause leaks contained? [3745-273-33(A)(1)]	Yes ☒ No ☐ N/A ☐
5.	If the batteries are contained, are the containers closed, structurally sound, compatible with the contents of the battery and lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-33(A)(1)] (Added rule #)	Yes ☒ No ☐ N/A ☐
6.	Are the casings of the batteries breached, not intact, or open (except to remove the electrolyte)? [3745-273-33(A)]	Yes ☐ No ☒ N/A ☐
7.	If the electrolyte is removed or other wastes generated, has it been determined whether the electrolyte or other wastes exhibit a characteristic of a hazardous waste? [3745-273-33(A)(3)]	Yes ☐ No ☐ N/A ☒
	a. If the electrolyte or other waste is characteristic, is it managed in compliance with OAC Chapters 3745-50 through 3745-69? [3745-273-33(A)(3)]	Yes ☐ No ☐ N/A ☒
	b. If the electrolyte or other waste is not hazardous, is it managed in compliance with applicable law? [3745-273-33(A)(3)(b)]	Yes ☒ No ☐ N/A ☐
8.	Are the batteries or containers of batteries labeled with the words "Universal Waste - Batteries" or "Waste Battery(ies)" or "Used Battery(ies)?" [3745-273-34(A)]	Yes ☒ No ☐ N/A ☐
UNIVERSAL WASTE LAMPS		
9.	Does the LQUHW contain lamps in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with contents of the lamps? Are containers or packages closed and do they lack evidence of leakage, spillage or damage that could cause leakage? [3745-273-33(D)(1)]	Yes ☐ No ☒ N/A ☐ Bldg XT-847
10.	Are lamps that show evidence of breakage, leakage or damage that could cause a release of mercury or hazardous constituents into the environment immediately cleaned up? Are they placed into a container that is closed, structurally sound, compatible with the contents of the lamps, and lack evidence of leakage, spillage or damage that could cause leakage or releases of mercury or hazardous constituents to the environment? [3745-273-33(D)(2)]	Yes ☒ No ☐ N/A ☐
*NOTE: **Treatment (such as crushing) by a UWH is prohibited under this rule unless the facility is permitted for such activities [3745-273-31(B)].** A generator crushing lamps must manage lamps according to hazardous waste rules (OAC Chapter 3745-52). Lamp crushing is a form of generator treatment (OAC rule 3745-52-34). Crushed lamps must be transported by a registered hazardous waste transporter to a permitted hazardous waste facility using a hazardous waste manifest.*		
11.	Are the lamps or containers or packages of lamps labeled with the words "Universal Waste - Lamp(s)" or "Waste Lamp(s)" or "Used Lamps?" [3745-273-34(E)]	Yes ☒ No ☐ N/A ☐

ACCUMULATION TIME			
12.	Is the waste accumulated for less than one year? [3745-273-35(A)]		Yes ☒ No ☐ N/A ☐
	a.	If not, is the waste accumulated over one year in order to facilitate proper recovery, treatment or disposal? (Burden of proof is on the handler to demonstrate) [3745-273-35(B)]	Yes ☐ No ☐ N/A ☒
NOTE: Accumulation is defined as date generated or date received from another handler.			
13.	Is the handler able to demonstrate the length of time the universal waste has been accumulated? [3745-273-35(C)] If yes, describe below:		Yes ☒ No ☐ N/A ☐
EMPLOYEE TRAINING			
14.	Are employees thoroughly familiar with universal waste handling/emergency procedures, relative to their responsibilities? [3745-273-36]		Yes ☒ No ☐ N/A ☐
RESPONSE TO RELEASES			
15.	Are releases of universal waste and other residues immediately contained? [3745-273-37(A)] (This now mirrors SQUWH checklist)		Yes ☒ No ☐ N/A ☐
16.	Is the material released characterized? [3745-273-37(B)] (This now mirrors SQUWH checklist)		Yes ☒ No ☐ N/A ☐
17.	If the material released is a hazardous waste, was it managed as required in OAC Chapters 3745-50 through 3745-69? (If the waste is hazardous, the handler is considered the generator of the waste and is subject to OAC Chapter 3745-52) [3745-273-37(C)] (This now mirrors SQUWH checklist)		Yes ☒ No ☐ N/A ☐
OFF-SITE SHIPMENTS			
NOTE: If a LQUWH self-transports wastes, then the handler must comply with the Universal Waste transporter requirements.			
18.	Are universal wastes sent to either another handler, destination facility or foreign destination? [3745-273-38(A)]		Yes ☒ No ☐ N/A ☐
19.	Is the handler aware of DOT requirements for packaging and shipping? If not, make aware of 40 CFR 171-180.		Yes ☒ No ☐ N/A ☐
20.	Prior to shipping universal waste off-site, does the originating handler ensure that the receiver agrees to receive the shipment? [3745-273-38(D)]		Yes ☒ No ☐ N/A ☐
21.	Has the originating handler ever had an off-site shipment rejected by another handler of destination facility?		Yes ☐ No ☒ N/A ☐
	a.	If yes, did the originating handler receive the waste back or agree to where shipment was sent? [3745-273-38(E)(2)]	Yes ☐ No ☐ N/A ☒
22.	If a handler rejects a partial or full load from another handler, does the receiving handler contact the originating handler to discuss and do <u>one of the following</u>: (This now mirrors SQUWH checklist)		Yes ☐ No ☐ N/A ☒
	a.	Send the waste back to the originating handler or send the shipment to a destination facility (If both the originating and receiving handler agree)? [3745-273-38(F)(2)]	Yes ☐ No ☐ N/A ☒
23.	If the handler received a shipment of hazardous waste that was not a universal waste, did the LQUWH immediately notify Ohio EPA? [3745-273-38(G)]		Yes ☒ No ☐ N/A ☐
TRACKING UNIVERSAL WASTE SHIPMENTS			
24.	Are universal wastes received from another handler? If so:		Yes ☐ No ☒ N/A ☐

	a.	Is a record (log, invoice, manifest, bill of lading, or other shipping document) of each shipment kept? [3745-273-39(A)]	Yes ☐ No ☐ N/A ☒
25.	Does the record include the following:		
	a.	Name and address of the originating handler or foreign shipper? [3745-273-39(A)(1)]	Yes ☐ No ☐ N/A ☐
	b.	Quantity of each type of universal waste? [3745-273-39(A)(2)]	Yes ☐ No ☐ N/A ☐
	c.	Date received? [3745-273-39(A)(3)]	Yes ☐ No ☐ N/A ☐
26.	Is universal waste shipped to another handler? If so:		Yes ☒ No ☐ N/A ☐
	a.	Is a record of each shipment kept? [3745-273-39(B)]	Yes ☒ No ☐ N/A ☒
27.	Does the record include the following?		
	a.	Name and address of universal waste handler, destination facility, or foreign destination? [3745-273-39(B)(1)]	Yes ☒ No ☐ N/A ☐
	b.	Quantity of each type of universal waste? [3745-273-39(B)(2)]	Yes ☒ No ☐ N/A ☐
	c.	Date shipped? [3745-273-39(B)(3)]	Yes ☒ No ☐ N/A ☐
28.	Are records kept for three years? [3745-273-39(C)(1)&(2)]		Yes ☒ No ☐ N/A ☐
EXPORTS			
29.	Is waste being sent to a foreign destination? If so:		Yes ☐ No ☒ N/A ☐
	a.	Does the large quantity handler comply with primary exporter requirements in OAC rules 3745-52-53, 3745-52-56 and 3745-52-57? [3745-273-40(A)]	Yes ☐ No ☐ N/A ☐
	b.	Is waste exported only upon consent of the receiving country and in conformance with the U.S. EPA "Acknowledgment of Consent" as defined in OAC rules 3745-52-50 to 3745-52-57? [3745-273-40(B)]	Yes ☐ No ☐ N/A ☐
	c.	Is a copy of the U.S. EPA "Acknowledgment of Consent" provided to the transporter? [3745-273-40(C)]	Yes ☐ No ☐ N/A ☐

OAC 3745-266-80 SPENT LEAD ACID BATTERIES BEING RECLAIMED				
1.	Has the handler of reclaimed batteries notified Ohio EPA or US EPA of regulated waste activity?			Yes ☒ No ☐ N/A ☐
2.	Are the handler's batteries reclaimed through regeneration (such as by electrolyte replacement)?			Yes ☐ No ☒ N/A ☐
NOTE: If yes, the handler is subject to OAC Chapter 3745-51 and OAC rule 3745-52-11				
3.	Are the handler's batteries reclaimed other than through regeneration?			Yes ☐ No ☒ N/A ☐
	a.	If yes, does the handler:		
		i.	Generate, collect, and/or transport these batteries?	Yes ☐ No ☐ N/A ☐
		ii.	Store these batteries but is not the reclaimer?	Yes ☐ No ☐ N/A ☐
		iii.	Store these batteries before reclaiming them?	Yes ☐ No ☐ N/A ☐
		iv.	Not store these batteries before reclaiming them?	Yes ☐ No ☐ N/A ☐
NOTE: If the answer to any question 3ai through 3aiv is "yes", the handler is subject to OAC Chapters 3745-51 and 3745-270, and OAC rule 3745-52-11. If the handler stores batteries before reclaiming them, the handler is subject to permitting requirement (e.g., general or interim standard facilities), unless when it meets the conditions in question 4 below. Complete other appropriate checklists (e.g., LDR, TSD).				
4.	If the handler that does NOT have a permit and that reclaims batteries received from off-site other than through regeneration, does the handler:			
	a.	Store the batteries less than 72 hours prior to entering them into the reclaiming process?		Yes ☐ No ☐ N/A ☐
	b.	Comply with the applicable requirements in 3745-51-06(C)(3) to (C)(3)(b)?		Yes ☐ No ☐ N/A ☐
5.	Has the handler adequately evaluated all waste generated at their facility?			Yes ☐ No ☐ N/A ☐

USED OIL INSPECTION CHECKLIST
GENERATORS, COLLECTION CENTERS AND AGGREGATION POINTS

NOTE: A facility is subject to the federal SPCC regulations (40 CFR 112) if it is non-transportation related (e.g., fixed) and has an aggregate above ground storage capacity greater than 1,320 gallons or a total underground storage capacity greater than 42,000 gallons of oil (including used oil), and there is reasonable expectation of a discharge to navigable waters.

PROHIBITIONS			
1.	Does the generator manage used oil in a surface impoundment or waste pile? If yes:		Yes ☐ No ☒ N/A ☐
	a.	Is the surface impoundment or waste pile regulated as a hazardous waste management unit? [3745-279-12(A)]	Yes ☐ No ☐ N/A ☒
NOTE: For example, used oil contaminated scrap metal stored in a pile.			
2.	Is used oil used as a dust suppressant? [3745-279-12(B)]		Yes ☐ No ☒ N/A ☐
3.	Is off-specification used oil fuel burned for energy recovery in devices specified in 3745-279-12(C)?		Yes ☐ No ☒ N/A ☐
NOTE: Multiple used oil checklists may be applicable if used oil handler is performing multiple tasks (e.g., If generating used oil and shipping directly to a burner, complete generator and marketer checklists at a minimum).			
GENERATOR STANDARDS			
4.	Does the generator mix hazardous waste with used oil? If so,		Yes ☐ No ☒ N/A ☐
	a.	Is the mixture managed as specified in 3745-279-10(B)? [3745-279-21(A)]	Yes ☐ No ☐ N/A ☒
NOTE: Used Oil mixed with listed (3745-51-30 to 3745-51-35) or characteristic (3745-51-20 to 3745-51-24) hazardous waste are subject to regulation as a hazardous waste, unless the listed hazardous waste is listed solely because it exhibits a hazardous characteristic, and the resultant mixtures do not exhibit a characteristic. Mixtures of used oil and CESQG hazardous waste are subject to OAC Chapter 3745-279.			
5.	Does the generator of a used oil containing greater than 1,000 ppm total halogens manage the used oil as a hazardous waste unless the presumption is rebutted successfully? [3745-279-21(B)]		Yes ☐ No ☒ N/A ☐
NOTE: If used oil contains greater than 1000 ppm total halogens, it is presumed to be listed hazardous waste until the presumption is successfully rebutted.			
6.	Does the generator store used oil in tanks; or containers; or a unit(s) subject to regulation as a hazardous waste management unit? [3745-279-22(A)]		Yes ☐ No ☒ N/A ☐
7.	Are containers and aboveground tanks used to store used oil in good condition with no visible leaks? [3745-279-22(B)]		Yes ☒ No ☐ N/A ☐
8.	Are containers, above ground tanks, and fill pipes used for underground tanks clearly labeled or marked "Used Oil?" [3745-279-22(C)]		Yes ☐ No ☒ N/A ☐ Bldg 6 - 700
9.	Has the generator, upon detection of a release of used oil, done the following: [3745-279-22(D)]		Yes ☒ No ☐ N/A ☐
	a.	Stopped the release?	Yes ☒ No ☐ N/A ☐
	b.	Contained the release?	Yes ☒ No ☐ N/A ☐
	c.	Cleaned up and properly managed the used oil and other materials?	Yes ☒ No ☐ N/A ☐
	d.	Repaired or replaced the containers or tanks prior to returning them to service, if necessary?	Yes ☒ No ☐ N/A ☐
ON-SITE BURNING IN SPACE HEATER			
10.	Does the generator burn used oil in used-oil fired space heaters? [3745-279-23] If so:		
	a.	Does the heater burn only used oil that owner/operator generates or used oil received from household do-it-yourself (DIY) used oil generators?	Yes ☐ No ☒ N/A ☐

	b.	Is the heater designed to have a maximum capacity of not more that 0.5 million BTU per hour?	Yes ☐ No ☐ N/A ☐
	c.	Are the combustion gases from heater vented to the ambient air?	Yes ☐ No ☐ N/A ☐
NOTE: Ash accumulated in a space heater must be managed in accordance with 3745-279-10(E).			
GENERATOR TRANSPORTATION			
11.	Does the generator have the used oil hauled only by transporters that have obtained a U.S. EPA ID#? [3745-279-24]		Yes ☒ No ☐ N/A ☐
12.	If the generator self-transports used oil to an approved collection site or to an aggregation point owned by the generator: [3745-279-24]		
	a.	Does the generator transport used oil in a vehicle owned by the generator or an employee of the generator? [3745-279-24]	Yes ☐ No ☒ N/A ☐
	b.	Does the generator transport more than 55 gallons of used oil at any time? [3745-279-24]	Yes ☐ No ☒ N/A ☐
NOTE: Used oil generators may arrange for used oil to be transported by a transporter without a U.S. EPA ID # if the used oil is reclaimed under a contractual agreement (i.e., tolling arrangement).			
COLLECTION CENTERS AND AGGREGATION POINTS			
13.	Is the DIY used oil collection center in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-30]		Yes ☐ No ☐ N/A ☐
14.	Is the non-DIY used oil collection center registered with Ohio EPA? [3745-279-31]		Yes ☐ No ☐ N/A ☐
15.	Is the used oil aggregation point in compliance with the generator standards in 3745-279-20 to 3745-279-24? [3745-279-32]		Yes ☐ No ☐ N/A ☐
NOTE: Complete Used Oil Generator and any other applicable used oil handler checklist (e.g., marketer, burner, etc.) for used oil collection centers and aggregation points.			

OH7 890 008 983

LPP/ESH&Q-07-087
July 17, 2007

LATA Parallax
LATA/PARALLAX PORTSMOUTH, LLC

Mr. Walt Francis
Environmental Protection Agency, Region V
77 West Jackson Boulevard, DE-9J
Chicago, Illinois 60604

Dear Mr. Francis:

Subject: Notice of Violation, RCRA Compliance Inspection, U.S. Department of Energy, Portsmouth Gaseous Diffusion Plant, Piketon, Ohio, OH7 890 983 008 983

The purpose of this letter is to respond to the Environmental Protection Agency's (EPA) letter dated June 14, 2007 that the Department of Energy (DOE) and LATA/Parallax Portsmouth, LLC (LPP) received on June 18, 2007. The letter reports EPA's findings resulting from its Resource Conservation and Recovery Act (RCRA) compliance inspection conducted at the Portsmouth Gaseous Diffusion Plant (PORTS) on June 22, 2006. The following information is provided in response to the alleged violations set forth in EPA's letter.

Alleged Violations

DOE and its contractor, LPP, have reviewed the alleged violations based on EPA's compliance inspection. The allegations (in italics) and DOE and LPP's corresponding response are set forth below:

1. Alleged Violation (1), "*A generator must retain on-site a copy of all notices, certifications, waste analysis data, and other documentation produced pursuant to this rule for at least three years from the date that the waste that is the subject of such documentation was last sent to on-site or off-site treatment, storage, or disposal. See, OAC § 3745-270-07(A)(8) and RCRA Hazardous Waste Permit Condition B.36(j).*

During the UDS records review portion of the inspection, the inspectors reviewed a 6/12/06 hazardous waste manifest for an off-site shipment of D002 corrosive waste. The Land Disposal Restriction (LDR) form had not been sent along with the original manifest/shipment, but was sent to the treatment, storage, disposal (TSD) facility from a consultant in Lexington, Kentucky. UDS had utilized the RCRA ID number (OH7 890 008 983) for this off-site shipment of waste. Therefore, U.S. DOE failed to comply with OAC Rule 3745-270-07(A)(2) [40 C.F.R. § 268.7] and violated RCRA Hazardous Waste Permit Condition B.36(j)." [Excerpt from the NOV.]

Response: LATA/Parallax Portsmouth LLC (LPP) did not generate nor did LPP ship the waste in question. Please see the DOE response to this alleged violation.

2. Alleged Violation (2), *"The contingency plan must describe the actions facility personnel must take to comply with OAC § 3745-54-51 through OAC § 3745-54-56 [40 C.F.R. Part 264 Subpart D]. See, OAC § 3745-54-52(a) [40 C.F.R. §264.52(a)]. An owner or operator shall note in the operating record the time, date, and details of any incident that requires implementing the contingency plan. Within fifteen days after the incident, the owner or operator shall submit a written report to the director. See, OAC§ 3745-54-56(J) [40 C.F.R. §264.56(j)] and violated RCRA Hazardous Waste Permit Condition B.23.*

During the UDS records review portion of the inspection, the inspectors reviewed a UDS SPCC/Contingency Plan. The UDS SPCC/Contingency Plan did not contain information or procedures that included the required notification of the OEPA Director to be notified within 15 days after implementing the contingency plan. Therefore, U.S. DOE failed to comply with OAC§3745-54-52(a) [40 C.F.R. §264.52(a)]and violated RCRA Hazardous Waste Permit Condition B.23. [Excerpt from the NOV]

Response: A contingency plan is in place for responding to incidents involving hazardous waste stored by DOE and LPP in the RCRA permitted storage units. This contingency plan was in place at the time of the inspection and does contain the requirement to provide a written report to the OEPA director within 15 days after implementing the contingency plan as required by OAC§3745-54-52(a) [40 C.F.R. §264.52(a)] and RCRA Hazardous Waste Permit Condition B.23 (See section G-8 of Attachment 1). Therefore, DOE and LPP were not in violation of the contingency plan requirements as cited above. For additional information please see the DOE response to this alleged violation.

LPP was not and is not involved in UDS waste management activities. Please see the DOE response to this alleged violation.

If you have any questions about this response or other compliance issues at PORTS, please call Rosemary Richmond at (740) 897-2967.

Sincerely,

Paul Kreitz
Project Manager

PK:CG:jmt

Attachment: As stated

cc: Mike Eversole, LPP
Bill Franz, LPP
Dave Kent, LPP
Linda Kobel, LPP
Dave Kozlowski, PPPO/PORTS
Mark Polley, LPP
Dan McKenzie, LPP
Ray Miskelley, PPPO/LEX
William Murphie, PPPO/LEX
Melda Rafferty, PPPO/PORTS
Rosemary Richmond, LPP
Melody Stewart, Ohio EPA Southeast District Office
Rochelle Underwood, PPPO/LEX
File – ESH&Q
File – LPP RMDC – RC

Attachment 1
Excerpt from the RCRA Part B Permit Application
Section G
for the Portsmouth Gaseous Diffusion Plant

Exit Point - Hawk Avenue

Evacuation Routes:

Primary

Persons evacuating through the east portion of X-7725 will proceed north on Hawk Avenue, turn left and proceed west on Stockton Street and assemble at the X-1107 EV Portal (egress designated "E1" Figure G-6).

Alternate

Persons evacuating through the east portion of X-7725 will proceed south on Hawk Avenue, turn left and proceed east on Rush Street and assemble as far east on rush street as the security fence allows (egress designated "E2" Figure G-6).

Exit Point– Rush Street

Evacuation Routes:

Primary

Persons evacuating through the south portion of X-7725 will proceed east on Rush Street, turn left and proceed north on Hawk Avenue, turn left and proceed west on Stockton Street and assemble at the X-1107 EV Portal (egress designated "S1" Figure G-6).

Alternate

Persons evacuating through the south portion of X-7725 will proceed east on Rush Street and assemble as far east as the security fence allows (egress designated "S2" Figure G-6).

G-8 Required Reports [OAC 3745-54-56(J)]

Within 15 days of the incident, PORTS will provide a written report on the occurrence to the Region V Administrator and the Director of Ohio Environmental Protection Agency through DOE. Copies will be included in the operating record. The report will include at a minimum:

1. Name, address, and telephone number of the owner or operator
2. Name, address, and telephone number of the facility;
3. Date, time, and type of incident (e.g., fire, explosion);
4. Name and quantity of material(s) involved;
5. The extent of injuries, if any;
6. An assessment of the actual or potential hazards to human health or the environment, where applicable;
7. Estimated quantity and disposition of recovered material that resulted from the occurrence.
8. Any other information as the director may require.

0/17 890 008 983

Department of Energy

Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513
(859) 219-4000

JUL 17 2007

Mr. Walt Francis
Enforcement Compliance Assurance Branch
Waste, Pesticides and Toxics Division
United States Environmental Protection Agency, Region V
77 West Jackson Boulevard, DE-9J
Chicago, Illinois 60604

PPPO-03-180-07

Dear Mr. Francis:

RESPONSE TO JUNE 14, 2007 NOTICE OF VIOLATION

On June 18, 2007, the Department of Energy (DOE) and LATA/Parallax Portsmouth, LCC (LPP) received a Notice of Violation (NOV) based on the June 20-22, 2006, Resource Conservation and Recovery Act compliance inspection conducted at the DOE Portsmouth Gaseous Diffusion Plant by the United States Environmental Protection Agency and the Ohio Environmental Protection Agency. The DOE response to the alleged violations in the NOV are enclosed.

If you have any questions or require any additional information, please contact Melda Rafferty of my staff at (740) 897-5521.

Sincerely,

William E. Murphie
Manager
Portsmouth/Paducah Project Office

Enclosure:
Response to NOV

cc w/enclosure:
M. Stewart, Ohio EPA/Logan
P. Kreitz, LPP/PORTS
Administrative Records
PPPO Records/LEX

Response to the
Environmental Protection Agency
June 14, 2007
Notice of Violation (NOV)

1. Alleged Violation (1): "*A generator must retain on-site a copy of all notices, certifications, waste analysis data, and other documentation produced pursuant to this rule for at least three years from the date that the waste that is the subject of such documentation was last sent to on-site or off-site treatment, storage, or disposal. See, OAC § 3745-270-07(A)(8) and RCRA Hazardous Waste Permit Condition B.36(j).*

During the UDS records review portion of the inspection, the inspectors reviewed a 6/12/06 hazardous waste manifest for an off-site shipment of D002 corrosive waste. The Land Disposal Restriction (LDR) form had not been sent along with the original manifest/shipment, but was sent to the treatment, storage, disposal (TSD) facility from a consultant in Lexington, Kentucky. UDS had utilized the RCRA ID number (OH7 890 008 983) for this off-site shipment of waste. Therefore, U.S. DOE failed to comply with OAC Rule 3745-270-07(A)(2) [40 C.F.R. § 268.7] and violated RCRA Hazardous Waste Permit Condition B.36(j)." [Excerpt from the NOV.]

Response: At the time of the inspection, the LDR form at issue had been maintained by UDS in its offices in Lexington, Kentucky. Immediately following notice of this matter from the inspectors, UDS had a copy of the LDR form sent to both the TSD facility that received the subject drum of D002 corrosive waste and to UDS's offices at the Portsmouth site. UDS currently retains a copy of the LDR form in its files at the Portsmouth site.

UDS has informed the Department that operational procedures for its conversion operations are under development and that these procedures will include references to the record requirements for shipping hazardous wastes. According to UDS, these procedures will be in place prior to conversion operations and/or any additional shipments of hazardous wastes.

2. Alleged Violation (2): "*The contingency plan must describe the actions facility personnel must take to comply with OAC § 3745-54-51 through OAC § 3745-54-56 [40 C.F.R. Part 264 Subpart D]. See, OAC § 3745-54-52(a) [40 C.F.R. §264.52(a)]. An owner or operator shall note in the operating record the time, date, and details of any incident that requires implementing the contingency plan. Within fifteen days after the incident, the owner or operator shall submit a written report to the director. See, OAC§ 3745-54-56(J) [40 C.F.R. §264.56(j)] and violated RCRA Hazardous Waste Permit Condition B.23.*

During the UDS records review portion of the inspection, the inspectors reviewed a UDS SPCC/Contingency Plan. The UDS SPCC/Contingency Plan did not contain information or procedures that included the required notification of the OEPA Director to be notified within 15 days after implementing the contingency plan. Therefore, U.S. DOE failed to comply with OAC§3745-54-52(a) [40 C.F.R. §264.52(a)] and violated RCRA Hazardous Waste Permit Condition B.23. [Excerpt from the NOV.]

Response: The rule that is alleged to have been violated, OAC Rule 3745-54-52(a) [40 CFR 264.52(a)], applies to owners and operators of hazardous waste TSD facilities. See OAC Rule 3745-54-01 [40 CFR 264.1]. The owner and operators of the Portsmouth hazardous waste TSD facility have a regulatory compliant contingency plan. The Department is the owner/operator, and LATA/Parallax Portsmouth, LLC (LPP) is the co-operator, of the site's permitted TSD (i.e., hazardous waste storage) facility. The Department and LPP, as the permitted owner/operators, have in place (and had in place at the time of the inspection) a facility contingency plan that contains the referenced elements of OAC Rule 3745-54-52(a) [40 CFR 264.52(a)]. Accordingly, DOE and LPP are not in violation of the cited contingency plan requirements. The facility contingency plan (attached) is part of the RCRA Permit that has been approved by the Ohio Environmental Protection Agency.

UDS is not and has never been an owner or operator of the Portsmouth hazardous waste storage facility. Currently, and at the time of inspection, UDS was not generating or accumulating hazardous waste. UDS has informed the Department that UDS plans to request a separate Environmental Protection Agency generator identification number in anticipation of UDS's future hazardous waste generation and shipping activities. UDS has further informed the Department that, prior to accumulating any future generated hazardous wastes, UDS will have a contingency plan in place that complies with the *generator* requirements of OAC Rule 3745-52-34(a)(4) [40 CFR 262.34(a)(4)].

It should be noted that condition B.23 of the RCRA Permit provides: "The Permittee shall note in the operating record the time, date, and details of any incident that requires the implementation of the contingency plan. Within fifteen days of any such incident the Permittee shall submit to the Director a written report of the incident containing the elements set forth in OAC Rule 3745-54-56(j)." No facts (e.g., an incident) are cited in the inspection report or in the NOV to support the alleged violation of this Permit Condition. Additionally, neither the Department nor LPP are aware of any such facts.

Attachment 1
Excerpt from the RCRA Part B Permit Application
Section G
for the Portsmouth Gaseous Diffusion Plant

Exit Point - Hawk Avenue

Evacuation Routes:

Primary

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Alternate

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Exit Point – Rush Street

Evacuation Routes:

Primary

Persons evacuating through the south portion of X-7725 will proceed east on Rush Street, turn left and proceed north on Hawk Avenue, turn left and proceed west on Stockton Street and assemble at the X-1107 EV Portal (egress designated "S1" Figure G-6).

Alternate

Persons evacuating through the south portion of X-7725 will proceed east on Rush Street and assemble as far east as the security fence allows (egress designated "S2" Figure G-6).

G-8 Required Reports [OAC 3745-54-56(J)]

Within 15 days of the incident, PORTS will provide a written report on the occurrence to the Region V Administrator and the Director of Ohio Environmental Protection Agency through DOE. Copies will be included in the operating record. The report will include at a minimum:

1. Name, address, and telephone number of the owner or operator
2. Name, address, and telephone number of the facility;
3. Date, time, and type of incident (e.g., fire, explosion);
4. Name and quantity of material(s) involved;
5. The extent of injuries, if any;
6. An assessment of the actual or potential hazards to human health or the environment, where applicable;
7. Estimated quantity and disposition of recovered material that resulted from the occurrence.
8. Any other information as the director may require.