

VERIF. DATE: \_\_\_\_\_

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<b>DOCUMENT CATEGORY:</b> <input type="checkbox"/> Administrative <input checked="" type="checkbox"/> Technical		
<b>LEVEL OF USE:</b> <input type="checkbox"/> Information Level <input checked="" type="checkbox"/> Reference Level <input type="checkbox"/> Continuous Use		
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<b>REQUIRED REVIEW DATE</b> (or expiration date for temporary change): 3/13/2027	<b>EFFECTIVE DATE:</b> 3/3/2021	

<b>REVISION/CHANGE LOG</b>			
Revision/Change Letter	Description of Changes	Pages Affected	Date of Revision/Change
FR0	Initial Bluesheeting	All	10/20/17
FR1	Non-Intent Revision to Incorporate Bluesheeting Changes and Update to Current Form	All	11/13/17
FR2	General Revision	All	3/2/2021
FR2A	Periodic Review has been completed with no changes identified in procedure technical content. Nonintent changes have been incorporated per CP3-NS-2001. Date for review cycle has been reset.	All	3/13/2024

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## 1.0 PURPOSE AND SCOPE

### 1.1 Purpose

This procedure is to define the steps to conduct a visual inspection of the air stripper trays and sump.

### 1.2 Scope

Inspection steps are only valid for the air stripper located in C-612 facility.

## 2.0 REFERENCES

### 2.1 Use References

- CP2-ER-0046, *Paducah Plume Operations Maintenance, Sampling and Analysis, and Calibration and Testing Plan*
- CP3-HS-2010, *Instructions for Lockout/Tagout*
- CP3-OP-0207, *Use of Procedures*
- CP3-SM-1101, *Work Package Development*
- CP4-ER-0014, *Normal Northwest Plume Groundwater Shutdown and Startup*

### 2.2 Source References

- CP2-ER-0067, *Health and safety Plan for the Paducah Plumes Operations and C-613 Sediment Basin Paducah, Kentucky*
- CP3-OP-0208, *Required Reading/Crew Briefing*
- CP3-TR-0102, *Conduct of Training*
- DOE/OR/07 1253, *Operations and Maintenance Plan for the Northwest Plume Groundwater System Interim Remedial Action Plan at PGDP Paducah, Kentucky*
- JHA-10844, *Maintenance, Operations, and Testing for the Northwest and Northeast Plume and Water Treatment Operations*

## 3.0 COMMITMENTS

None

## 4.0 PRECAUTIONS AND LIMITATIONS

### 4.1 Precautions

- 4.1.1 Non-Essential personnel will stay clear while disconnect is being opened.
- 4.1.2 Only trained and approved personnel will operate disconnect.
- 4.1.3 Personnel operating disconnect should **NOT** stand in front of or directly face the disconnect.

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4.1.4 Personnel performing work will wear appropriate PPE according to NFPA 70E, including safety glasses and long sleeves.

4.1.5 Lockout/Tagout (LOTO) shall be performed in accordance with CP3-HS-2010, *Instructions for Lockout/Tagout*.

## 4.2 Limitations

None

## 5.0 PREREQUISITES

5.1 Prior to performing the action steps identified in this procedure users shall have reviewed this document based upon its Level of Use identified above in accordance with CP3-OP-0207, *Use of Procedures*.

5.2 Prior to performing the action steps identified in this procedure, the performer shall have completed the required applicable training.

5.3 Prior to using this procedure as a work control document, follow the requirements as defined in CP3-SM-1101, *Work Package Development* for the activities being performed.

### Technician

## 6.0 INSTRUCTIONS

### 6.1 Shutdown of the Northwest Plume Groundwater System

6.1.1 Shut down the Northwest Plume Treatment Facility according to CP4-ER-0014, *Normal Northwest Plume Groundwater System Shutdown and Restart*.

#### NOTE:

The Equalization (EQ) pump local power disconnect is labeled:

Equalization Pump J-005

480V 3Φ Fed

From PP-1 CKT #4

6.1.2 Place the EQ pump local power disconnect in the “OFF” position and place a single-source LOTO on the disconnect.

## 6.2 Performing Visual Inspection of Trays

**NOTE:**

A stepladder will be required to reach the access covers of the upper trays. A flashlight and standard screwdriver will be required to remove access covers and visually inspect the air stripper trays.

- 6.2.1** Remove access covers and conduct visual inspection of trays by checking for debris and buildup at the following locations:

**Table 1**

Location	Tray Numbers, etc.
North end of unit	2, 4, and sump
South end of unit	1 and 3

- 6.2.2** If there is debris or buildup, then notify Engineering to evaluate and make recommendations for corrective action utilizing manufacturing instructions and implementing work control following CP3-SM-1101.

- 6.2.3** Reinstall and secure all access covers.

## 6.3 Restart of the Northwest Plume Groundwater System

- 6.3.1** Remove single-source LOTO from the EQ pump local power disconnect.
- 6.3.2** Place the local power disconnect switch in the “ON” position.
- 6.3.3** Restart the Northwest plume treatment facility according to CP4-ER-0014.

## 7.0 ACCEPTANCE CRITERIA

None

## 8.0 POST PERFORMANCE WORK ACTIVITIES

Record all operational activities according to CP2-ER-0046, *Paducah Plume Operations Maintenance, Sampling and Analysis, and Calibration and Testing Plan*.

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## **9.0 RECORDS**

### **9.1 Records Generated**

The following records may be generated by this procedure:

None

Forms are to be completed in accordance with CP3-OP-0024, *Forms Control*.

### **9.2 Records Disposition**

The records are to be maintained in accordance with CP3-RD-0010, *Records Management Process*.

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## **Appendix A – Acronyms/Definitions**

### **ACRONYMS**

**EQ** – Equalization

**LOTO** - Lockout/Tagout

**PGDP** – Paducah Gaseous Diffusion Plant

### **DEFINITIONS**

**Technician** - The person performing the steps in this procedure. The person performing this work could have job functions including but **NOT** limited to the Frontline Supervisor, an Operator or Maintenance Mechanic.