

**ENVIRONMENTAL COMPLIANCE & AREA COMPLETION PROJECTS (EC&ACP) STANDARD  
OPERATING PROCEDURES, VOL. I**
**Manual: C3**  
**Procedure: ER-IDS-019-018**  
**Revision: 3**  
**Effective Date: 11/26/2018**  
**Type-Class: Checklist**  
**Page: 1 of 4**
**MIXED WASTE MANAGEMENT FACILITY POST CLOSURE INSPECTION, BLDG. 643-28E AND  
LOW-LEVEL RADIOACTIVE WASTE DISPOSAL FACILITY FIELD INSPECTION CHECKLIST**
**WORKING COPY**

This document is a Working Copy. Prior to start of work, verify this is the latest revision per the Procedure Index.

*Charles P. Carter*

Verified By

11/09/2022

Date

**CAUTION**

The Inspector shall IMMEDIATELY notify the Post-Closure Manager and Environmental Compliance Authority if there has been a breach or compromise of the institutional controls of this waste unit. This notification shall be in accordance with Savannah River Site post-closure inspection procedures.

**NOTE**

1. Manual C3, Vol. I, ER-SOP-019, Waste Unit Inspection and Maintenance, shall be referred to for inspection details.
2. Monitoring wells associated with this waste unit are maintained in accordance with EC&ACP monitoring well procedures.
3. All entry and accountability requirements shall be followed for the Mixed Waste Management Facility.
4. Steps in this checklist may be completed concurrently or in any order.
5. Unsatisfactory conditions found during the inspection may be listed on the detailed map of the inspected area.

SCHEDULED

UNSCHEDULED

A = Satisfactory		A or X	Observation/Corrective Action Taken
X = Unsatisfactory (Explanation required)			
1.	Verify roads are accessible to closed site.	A	
2.	Verify waste unit signs (24) are in acceptable condition, have correct information and are legible from a distance of 25 feet and refer to Manual C3, Vol. I, ER-SOP-019, for source document.	A	

**Mixed Waste Management Facility Post Closure Inspection, Bldg. 643-28E and Low-Level  
Radioactive Waste Disposal Facility Field Inspection Checklist**

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SCHEDULED

UNSCHEDULED

<b>A = Satisfactory</b> <b>X = Unsatisfactory (Explanation required)</b>	<b>A or X</b>	<b>Observation/Corrective Action Taken</b>
3. <b>Verify</b> fence wire, posts, gates, other areas of fence are intact and in good condition, both inside and outside the perimeter fence.	A	
4. <b>Check</b> for excessive vegetation growing over fences which may obstruct warning signs or visibility of the closure cover.	A	
5. <b>Inspect</b> closure cover and check for erosion, uncovered buried waste, abnormal soil cracks, and presence of burrowing animals.	X	Active ant mounds on soil cover. See map note: 1 Reference Maintenance Register: PC-2022-00127
6. <b>Check</b> integrity of concrete-lined drainage channels inside and outside fenced areas for the presence of erosion or debris restricting water flow. Build-up of debris/sedimentation in drainage ditches is not to exceed 2 inches. Ditches are designed to collect run-off and divert run-on. Standing water in the ditches or on the cover is not to exceed defined limits.	X	Carry over item: Concrete joint sealant needs repair. See map note: 2 Ref. maint. register PC-2017-00066. Carry over item: Concrete lined channels has areas of spalling/flaking. See map note: 3 Ref. maint. register PC-2019-00023
7. <u>Visually verify</u> weep holes in the concrete-lined drainage channels are not plugged.	A	
8. <u>Visually check</u> the cover and side slopes for signs of ponding, slumping, excessive erosion, and any observable depressions indicating subsidence.	X	See step 16
9. <u>Visually check</u> vegetative cover for grass density with no bare spots more than 3 feet in diameter. There should be no woody vegetation or shrubs growing on the closure covers. The height of vegetative cover should not impair visual inspection of closure. This will be determined by the EC&ACP Post Closure Inspector.	A	
10. <u>Visually check</u> subsidence monitors for damage and visibility.	A	

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**SCHEDULED**


**UNSCHEDULED**

<b>A = Satisfactory</b> <b>X = Unsatisfactory (Explanation required)</b>	<b>A or X</b>	<b>Observation/Corrective Action Taken</b>
<b>11.</b> <u>Visually perform</u> a condition check of survey benchmarks for damage and visibility.	<b>A</b>	
<b>12.</b> <b>Verify</b> unattended gates are locked to prevent unauthorized entry.	<b>A</b>	
<b>13.</b> <b>Verify</b> annual elevation surveys of the subsidence monitors have been performed by end of November for current year. <b>Verify</b> copies of survey results are in EC&ACP Document Control Center.	<b>A</b>	Survey Completed 10/04/2022
<b>14.</b> <b>(Inspector) Verify</b> in January, April, July, and October, previous "Quarterly Monitoring Well Inspection Report" has been sent to EC&ACP Document Control Center. This report can be obtained from EC&ACP Post-Closure Well Maintenance Group.	<b>A</b>	SRNS-J2000-2022-00759
<b>15.</b> <b>Check</b> gas vents for signs of damage or obstructions.	<b>A</b>	
<b>16.</b> Other <b>Subsidence on Trench 2. Carry over item:</b> See map note: 4      Ref. maint. register PC-2019-00022	<b>X</b>	Subsidence noticed on Trench 2. This area of subsidence was also noticed on July 10, 2014 and repaired with topsoil, grass seed and straw on July 29, 2015 The area is currently under engineering evaluation for repair.

**Inspected By:**

Charles P. Carter Print Name	 Signature	11/09/2022 Date
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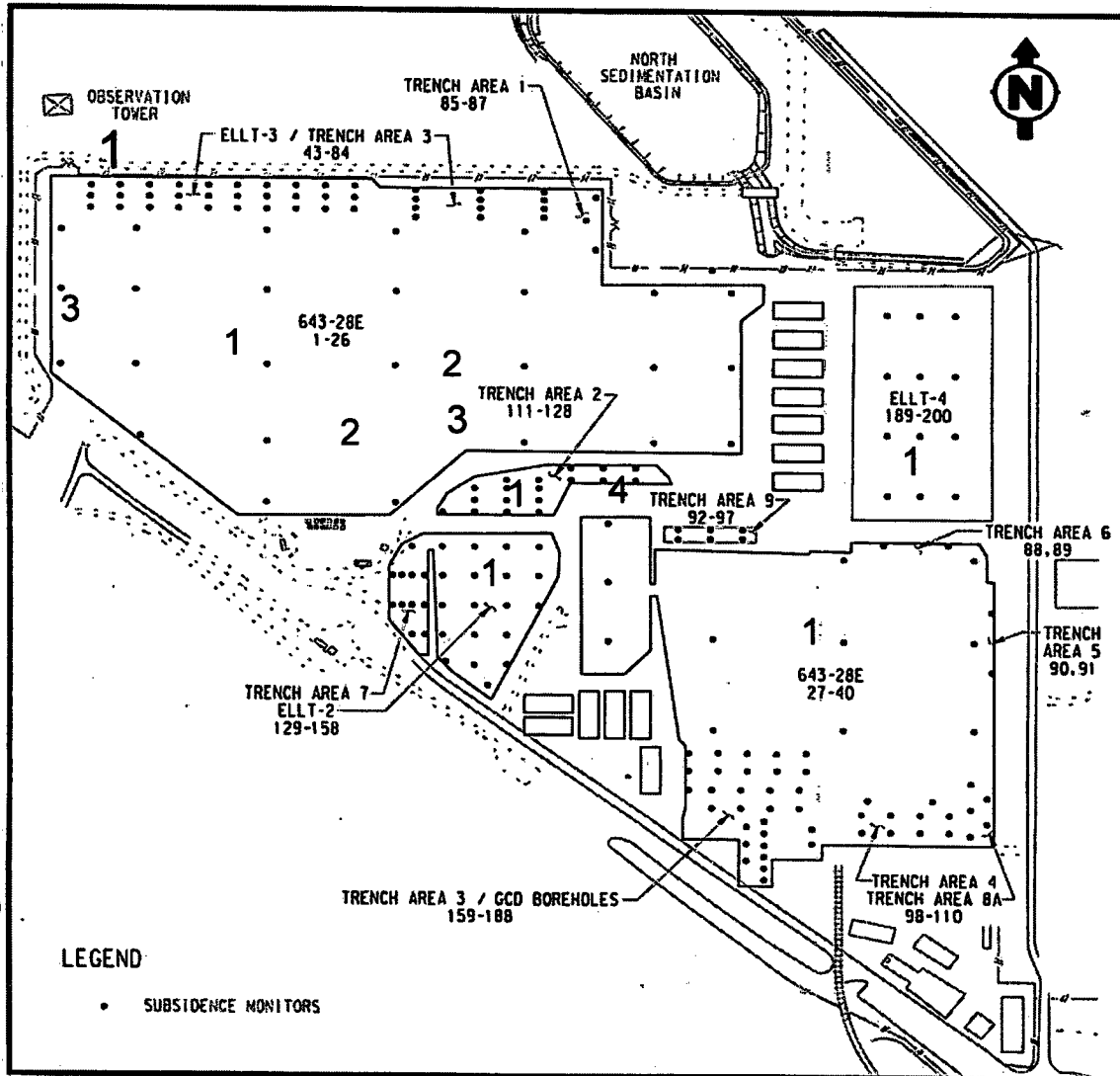
**Review By Post-Closure Manager:**

Brian Hanshew Print Name	 Signature	11-29-2022 Date
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**Mixed Waste Management Facility Post Closure Inspection,  
Bldg. 643-28E and Low-Level Radioactive Waste Disposal  
Facility Field Inspection Checklist**

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**Map of Mixed Waste Management Facility, Bldg. 643-28E and Low-Level Radioactive Waste Disposal Facility**



**NOTES:** 1=Active ant mounds on soil cover. Applied 8.0 lbs. of Extinguish ant bait.

2=Carry over item: Joint sealant in concrete channels needs repair. ACP will prepare a work package for repairs.

3=Carry over item: Concrete lined channels have areas of spalling. The areas of spalling are currently under engineering evaluation for repair.

4=Carry over item: Subsidence noticed on Trench 2. Engineering is performing an evaluation for repair.

NO FURTHER ENTRIES

CPC 11/09/2022

# POST CLOSURE MAINTENANCE REGISTER

**Index Number**
**Unit Name**

16 MIXED WASTE MANAGEMENT FACILITY (INCLUDING THE RCRA REGULATED PORTIONS OF THE LLRF 643-7E) & 643-28E

**Watershed** UPPER THREE RUNS

AHA # AHA-ER-5534  
 Work Order # NA  
 Work Group POST CLOSURE MAINTENANCE  
 Priority Medium  
 RCRA YES

**Maintenance Number** PC-2022-00127

**Maintenance Status** Complete

**Inspection Date** 11/9/2022

**Chemical Type** Pesticide

**Completion Date** 11/9/2022

**Chemical Name** Extinguish

**Amount Used** 8.0 Pounds

**Description Of Maintenance Item**

Active ant mounds on waste unit

**Maintenance Item Corrected**

Applied Extinguish pesticide

**Notes** ER-IDS-019-018 Mixed Waste Management Facility Post Closure Inspection, Bldg. 643-28E and Low- Level Radioactive Waste Disposal Facility Field Inspection Checklist.

Approved by : Brian Hanshew - ACP Post Closure Manager

Signature



Approval date : 11-29-2022