

**ENVIRONMENTAL COMPLIANCE & AREA COMPLETION PROJECTS (EC&ACP) STANDARD
OPERATING PROCEDURES, VOL. I**
Manual: C3
Procedure: ER-IDS-019-018
Revision: 2
Effective Date: 06/01/2016
Type-Class: Form
Page: 1 of 4
**MIXED WASTE MANAGEMENT FACILITY POST CLOSURE INSPECTION, BLDG. 643-28G 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

8-30-18
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, 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 X = Unsatisfactory (Explanation required)		A or X	Observation/Corrective Action Taken
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. REFER TO Manual C3, ER-SOP-019, for source document.	X	ONE WASTE UNIT SIGN IS FADED AND NEEDS REPLACING. SEE MAP NOTE: ① REF. MAINT. REGISTER PL-2018-00086

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

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SCHEDULED

UNSCHEDULED

A = Satisfactory X = Unsatisfactory (Explanation required)	A or X	Observation/Corrective Action Taken
3. Verify fence wire, posts, gates, other areas of fence, are intact and in good condition, both inside and outside the perimeter fence.	A	
4. Check for excessive vegetation growing over fences which may obstruct warning signs or visibility of the closure cover.	X	VEGETATION GROWING ON FENCE. SEE MAP NOTE: (2) REF. MAINT. REGISTER PL-2018-00087
5. Inspect 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 (3) REF. MAINT. REGISTER PL-2018-00088
6. Check 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: (4) REF. MAINT. REGISTER PL-2017-00066
7. Visually verify weep holes in the concrete-lined drainage channels are not plugged.	A	
8. Visually check the cover and side slopes for signs of ponding, slumping, excessive erosion and any observable depressions indicating subsidence.	A	
9. Visually check 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	

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

SCHEDULED

UNSCHEDULED

A = Satisfactory X = Unsatisfactory (Explanation required)	A or X	Observation/Corrective Action Taken
10. Visually check subsidence monitors for damage and visibility.	X	REPLACED SEVERAL WORN + FADED MARKER FLAGS. SEE MAP NOTE: ⑤ REF MAINT REGISTER 7L-2018-00089
11. Visually perform a condition check of survey benchmarks for damage and visibility.	A	
12. Verify unattended gates are locked to prevent unauthorized entry.	A	
13. Verify annual elevation surveys of the subsidence monitors have been performed by end of November for current year. Verify copies of survey results are in EC&ACP Document Control Center.	A	Survey Complete 10-24-17
14. The Inspector shall verify 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.	A	SRNS - J2000 - 2018 - 00550
15. Check gas vents for signs of damage or obstructions.	A	
16. Other		

~~NO FURTHER ENTRIES~~

CPL 8-30-18

Inspected By

<i>CHARLES P. CARTER</i> (Print Name)	<i>Charles P. Carter</i> (Signature)	8-30-18 (Date)
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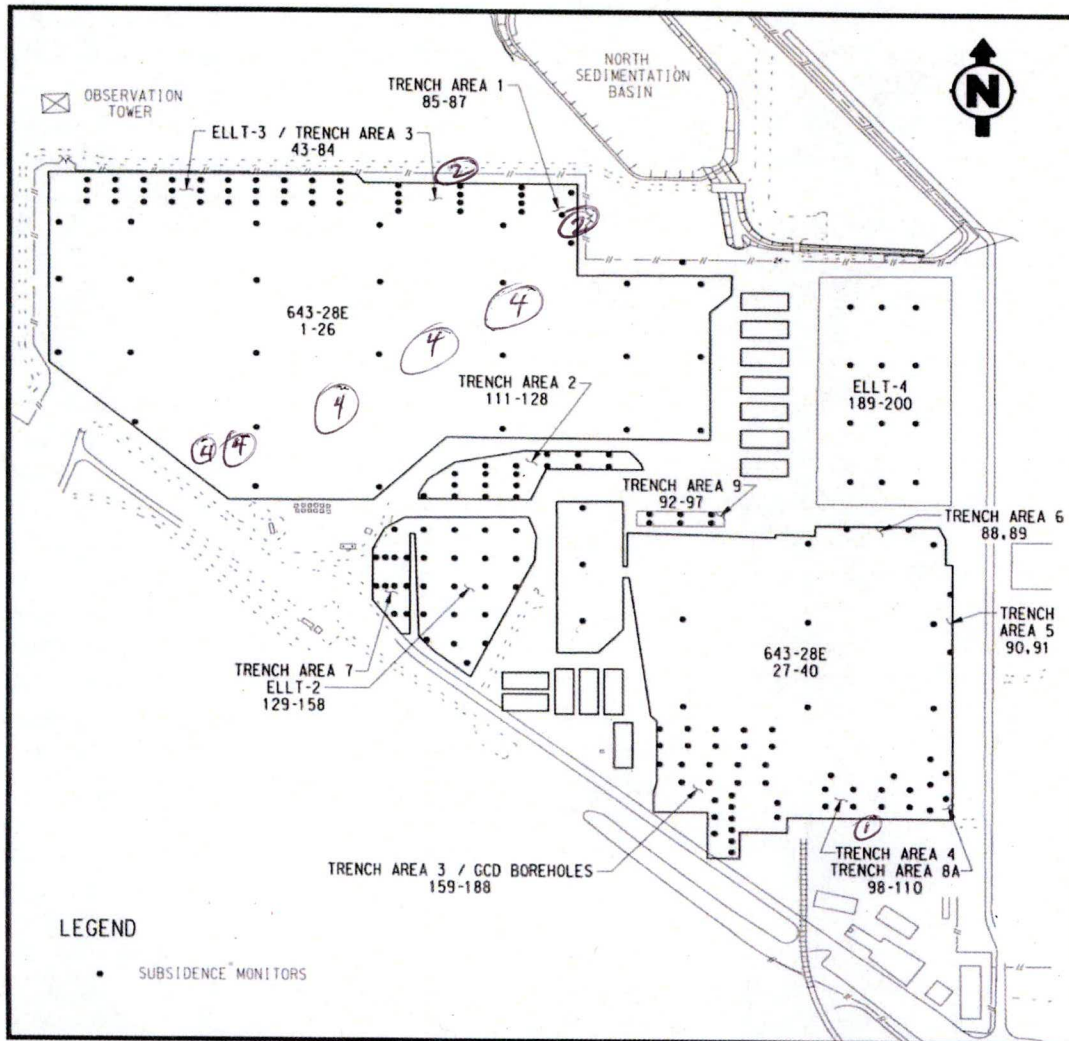
Review By Post-Closure Manager

<i>George Joyner</i> (Print Name)	<i>George Joyner</i> (Signature)	9/25/18 (Date)
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Mixed Waste Management Facility Post Closure Inspection,
Bldg. 643-28G and Low-Level Radioactive Waste Disposal
Facility Field Inspection Checklist

Manual: C3
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Map of Mixed Waste Management Facility, Bldg. 643-28G and Low-Level Radioactive Waste
Disposal Facility



NOTES: (1) = ONE WASTE UNIT SIGN IS FADED AND NEEDS REPLACING. SIGN SHOP WILL FABRICATE A NEW SIGN AND POST CLOSURE MAINT. WILL REPLACE. (2) VEGETATION GROWING ON FENCE. USFS WILL APPLY HERBICIDE. (3) = ACTIVE ANT MOUNDS ON SOIL COVER. APPLIED 2.0 LBS OF EXTINGUISH ANT BAIT. (4) = CARRY OVER ITEM: CONCRETE JOINT SEALANT NEEDS REPAIR IN DRAINAGE DITCHES. ACP WILL PREPARE A WORK PACKAGE FOR REPAIRS. (5) = REPLACED SEVERAL WORN + FADED MARKER FLAGS. POST CLOSURE MAINT. REPLACED FLAGS. CPL. 8-30-18

POST CLOSURE MAINTENANCE REGISTER

Index Number
Unit Name

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

Watershed UPPER THREE RUNS

AHA # NA
 Work Order # N/A
 Work Group ROADS & GROUNDS
 Priority Medium
 RCRA YES

Maintenance Number PC-2018-00087 Maintenance Status Complete
 Inspection Date 8/30/2018 Chemical Type NA
 Completion Date 9/13/2018 Chemical Name
 Amount Used

Description Of Maintenance Item

Vegetation on perimeter fence needs Herbiciding

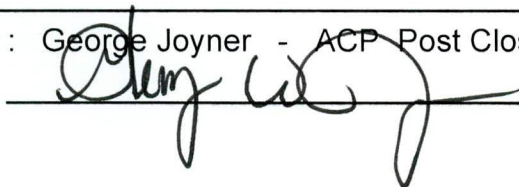
Maintenance Item Corrected

Site Roads & Grounds applied Herbicide to vegetation of perimeter fence

Notes New observation.

Approved by : George Joyner - ACP Post Closure Manager

Signature



Approval date :

9/25/18

POST CLOSURE MAINTENANCE REGISTER

Index Number
Unit Name

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

Watershed UPPER THREE RUNS

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

Maintenance Number PC-2018-00088 Maintenance Status Complete
 Inspection Date 8/30/2018 Chemical Type Pesticide
 Completion Date 8/30/2018 Chemical Name Extinguish
 Amount Used 2.0 Pounds

Description Of Maintenance Item

Active ant mounds on waste unit

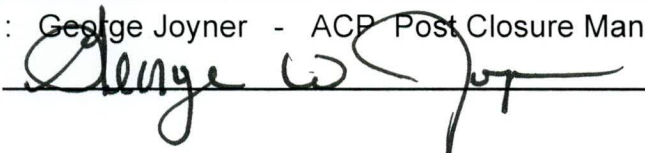
Maintenance Item Corrected

Applied Extinguish pesticide

Notes New observation.

Approved by : George Joyner - ACP Post Closure Manager

Signature



Approval date :

9/25/18

POST CLOSURE MAINTENANCE REGISTER

Index Number
Unit Name

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

Watershed UPPER THREE RUNS

AHA #	NA		
Work Order #	NA		
Work Group	POST CLOSURE MAINTENANCE		
Priority	Medium		
RCRA	YES		
Maintenance Number	PC-2018-00089	Maintenance Status	Complete
Inspection Date	8/30/2018	Chemical Type	NA
Completion Date	8/30/2018	Chemical Name	
		Amount Used	

Description Of Maintenance Item

Several worn and faded subsidence monitor marker flags need replacing

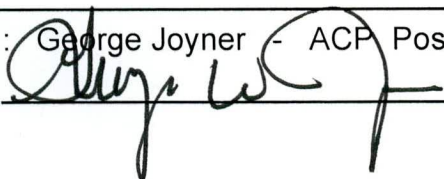
Maintenance Item Corrected

Post Closure Maintenance replaced faded subsidence monitor marker flags

Notes New observation.

Approved by : George Joyner - ACP Post Closure Manager

Signature



Approval date :

9/25/18

POST CLOSURE MAINTENANCE REGISTER

Index Number
Unit Name

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

Watershed UPPER THREE RUNS

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

Maintenance Number PC-2018-00086 Maintenance Status Complete
 Inspection Date 8/30/2018 Chemical Type NA
 Completion Date 10/1/2018 Chemical Name
 Amount Used

Description Of Maintenance Item

One waste unit sign is faded and needs replacing

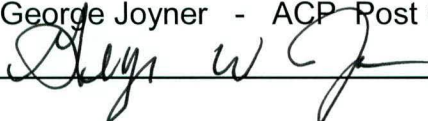
Maintenance Item Corrected

Sign shop request has been completed to fabricate new sign. New sign installed by Post Closure Maintenance

Notes New observation.

Approved by : George Joyner - ACP Post Closure Manager

Signature



Approval date :

10/8/18

POST CLOSURE MAINTENANCE REGISTER

Index Number
Unit Name

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

Watershed UPPER THREE RUNS

AHA # NA
 Work Order # NA
 Work Group USFS
 Priority Medium
 RCRA YES

Maintenance Number PC-2018-00137 **Maintenance Status** Complete
Inspection Date 8/30/2018 **Chemical Type** NA
Completion Date 2/5/2019 **Chemical Name**
 Amount Used

Description Of Maintenance Item

Worn and faded subsidence monitor marker flags need replacing

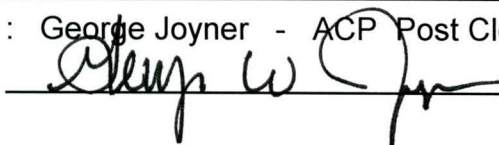
Maintenance Item Corrected

USFS replaced faded subsidence monitor marker flags

Notes New observation.

Approved by : George Joyner - ACP Post Closure Manager

Signature



Approval date :

2/19/19