

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 _____ 11-28-18
 Verified By 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 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 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

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.	X	ANIMALS BURROWING UNDER FENCE ON THE NORTH SIDE FENCE. SEE MAP NOTE: (1) REF. MAINT REGISTER - PL-2018-00134
4. Check for excessive vegetation growing over fences which may obstruct warning signs or visibility of the closure cover.	A	
5. Inspect closure cover and check for erosion, uncovered buried waste, abnormal soil cracks, and presence of burrowing animals.	A	
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: (2) REF. MAINT REGISTER PL-2017-00066
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	SMALL EROSION ON THE WEST SIDE SLOPE OF THE N/E CAP. SEE MAP NOTE (3) REF. MAINT. REGISTER PL-2018-00135
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.	X CR 3-16 11-25-16	RUTTING CAUSED BY MOWING EQUIPMENT DURING WET TIMES NEEDS REPAIR. SEE MAP NOTE: (3). REF. MAINT. REGISTER PL-2018-00136
10. <u>Visually check</u> subsidence monitors for damage and visibility.	X CIP 11-25-16	MARKER FLAGS ARE FADED DOWN AND NEED TO BE REPLACED SEE MAP NOTE: (4) REF. MAINT. REGISTER. PL-2018-00137

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

A = Satisfactory X = Unsatisfactory (Explanation required)	A or X	Observation/Corrective Action Taken
11. <u>Visually perform</u> 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 10-25-2018
14. (Inspector) 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-J2000-2018-00732
15. Check gas vents for signs of damage or obstructions.	A	
16. Other FIRE ANT MOUNDS		ACTIVE FIRE ANT MOUNDS ON SOIL COVER SEE MAP NOTE ⑤ REF. MAINT REGISTER PL-2018-00138

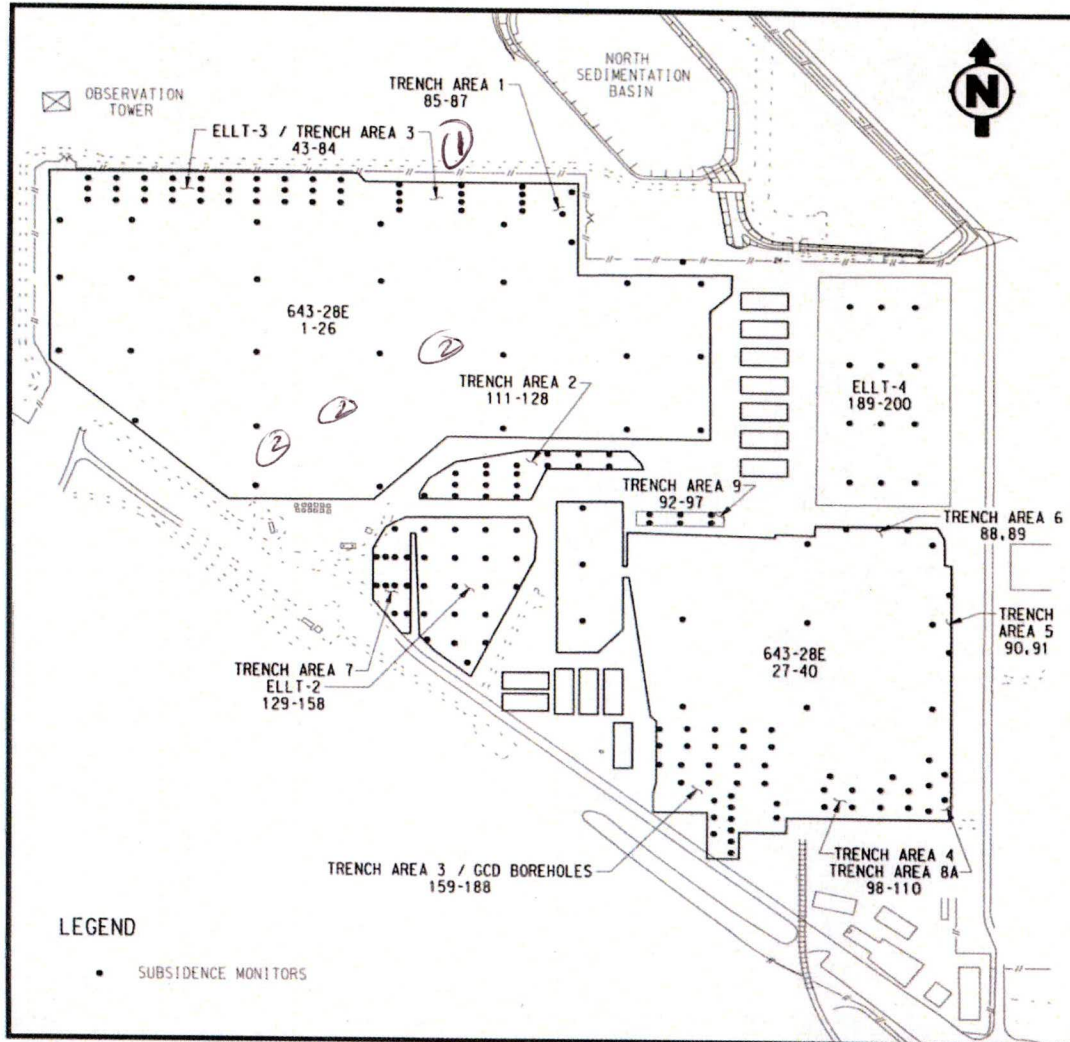
Inspected By:		
CHARLES P. CARTER Print Name	<i>Charles P. Carter</i> Signature	11-28-18 Date

Review By Post-Closure Manager:		
George W. Joyner Print Name	<i>George W. Joyner</i> Signature	12/11/18 Date

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) ANIMALS BURROWING UNDER FENCE ON THE NORTH SIDE. USFS WILL MAKE REPAIRS. (2) = CARRY OVER ITEM: CONCRETE JOINT SEALANT NEEDS REPAIR IN DRAINAGE DITCHES. ACP WILL PREPARE A WORK PACKAGE FOR REPAIRS (3) = SMALL AMOUNT OF EROSION ON THE WEST SIDE OF THE NE CAP (ELLT-4). USFS WILL MAKE REPAIRS WITH TOP SOIL, GRASS SEED & STRAW. (4) = SUBSIDENCE MONITOR MARKER FLAGS ARE FADED/TORN AND NEED TO BE REPLACED. POST CLOSURE MAINT WILL REPAIR. (5) = ACTIVE ANT MOUNDS ON SOIL COVER. APPLIED 2.5lb₂ OF EXTENUISH ANT BAIT.

CQL 11-28-18

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-2018-00138	Maintenance Status	Complete
Inspection Date	11/28/2018	Chemical Type	Pesticide
Completion Date	11/28/2018	Chemical Name	Extinguish
		Amount Used	2.5 Pounds

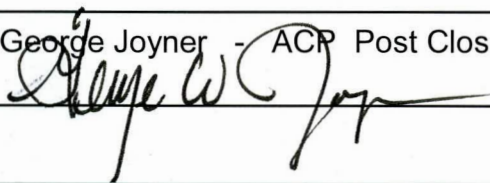
Description Of Maintenance Item
Active ant mounds on waste unit

Maintenance Item Corrected
Applied Extinguish pesticide

Notes New observation.

Approved by : George Joyner - ACP Post Closure Manager

Signature



Approval date :

12/11/18

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-2018-00134 **Maintenance Status** Complete
Inspection Date 11/28/2018 **Chemical Type** NA
Completion Date 1/17/2019 **Chemical Name**
Amount Used

Description Of Maintenance Item

Animals burrowing under the perimeter fence on the North side

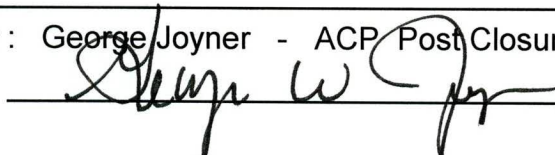
Maintenance Item Corrected

USFS will fill hole with rock

Notes New observation.

Approved by : George Joyner - ACP Post Closure Manager

Signature



Approval date :

2/19/19

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-2018-00135 **Maintenance Status** Complete
Inspection Date 11/28/2018 **Chemical Type** NA
Completion Date 5/17/2019 **Chemical Name**
Amount Used

Description Of Maintenance Item

Small area of erosion on the West side slope of the Northeast cap.

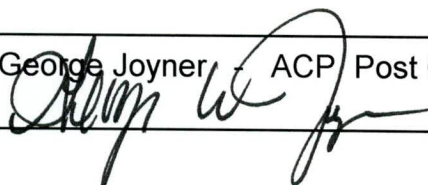
Maintenance Item Corrected

USFS made repairs with topsoil, grass seed and straw

Notes New observation.

Approved by : George Joyner - ACP Post Closure Manager

Signature



Approval date :

5/20/19

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-2018-00136 **Maintenance Status** Complete
Inspection Date 11/28/2018 **Chemical Type** NA
Completion Date 10/15/2019 **Chemical Name**
Amount Used

Description Of Maintenance Item

Shallow Rutting caused by mowing equipment during wet times.

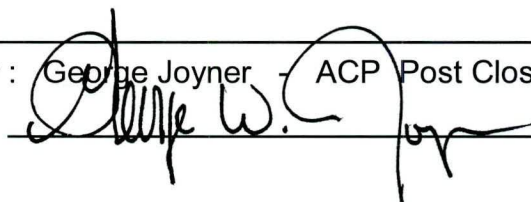
Maintenance Item Corrected

USFS will made repairs with topsoil, grass seed and straw

Notes New observation.

Approved by : George Joyner - ACP Post Closure Manager

Signature



Approval date :

10/15/19