

**ENVIRONMENTAL COMPLIANCE & AREA COMPLETION PROJECTS (EC&ACP) STANDARD
OPERATING PROCEDURES, VOL. I**
**R-AREA OPERABLE UNIT REACTOR BUILDING AND DISASSEMBLY BASIN FIELD INSPECTION
CHECKLIST**
Manual: C3
Procedure: ER-IDS-019-063
Revision: 4
Effective Date: 1/08/2020
Type-Class: Checklist
Page: 1 of 3
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

10/10/2022

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, ER-SOP-019, Waste Unit IOU Inspection and Maintenance, shall be referred to for inspection details.
2. Steps in this checklist may be completed concurrently or in any order.
3. Due to high elevation and hard to reach area of the roofs, this verification may be performed by reviewing and evaluating aerial photos/videos. Observed changes from previous inspections such as structural collapses, visual water seepage from lower portions of the building, visible changes in standing water, or drainage patterns on the roofs shall be evaluated for action. Any photos and or videos used for this evaluation shall be stored in an EC&ACP data disk with the data disk number documented on the inspection sheet.

 SCHEDULED
 UNSCHEDULED

A = Satisfactory X = Unsatisfactory (Explanation required)		A or X	Observation/Corrective Action Taken
1.	Verify roads are accessible to 105-R Reactor Building and Basin.	A	
2.	Verify 105-R Reactor Building Complex roofs are functioning and free of woody vegetation. Submit inspection reports to Cognizant Technical Function to review and evaluate functionality of roofs.	A	Herbicide was applied to the roofs via drone on 08/10/2022 Reference completed Post Closure Maintenance Register PC-2022-00101 Roofs are functioning as intended and are free of woody vegetation with the exception of one small woody plant that we will apply herbicide to in the

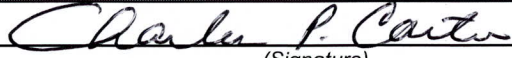
spring of 2023. See Map Note: 3 Reference Maintenance Register: PC-2022-00115. See roof top photos. SRNS-J2000-2022-00745

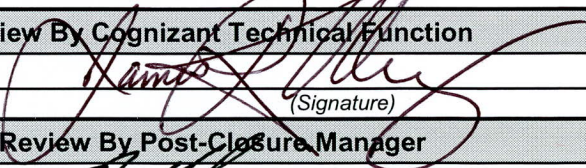
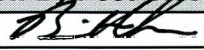
R-Area Operable Unit Reactor Building and Disassembly Basin Field Inspection Checklist

Manual: C3
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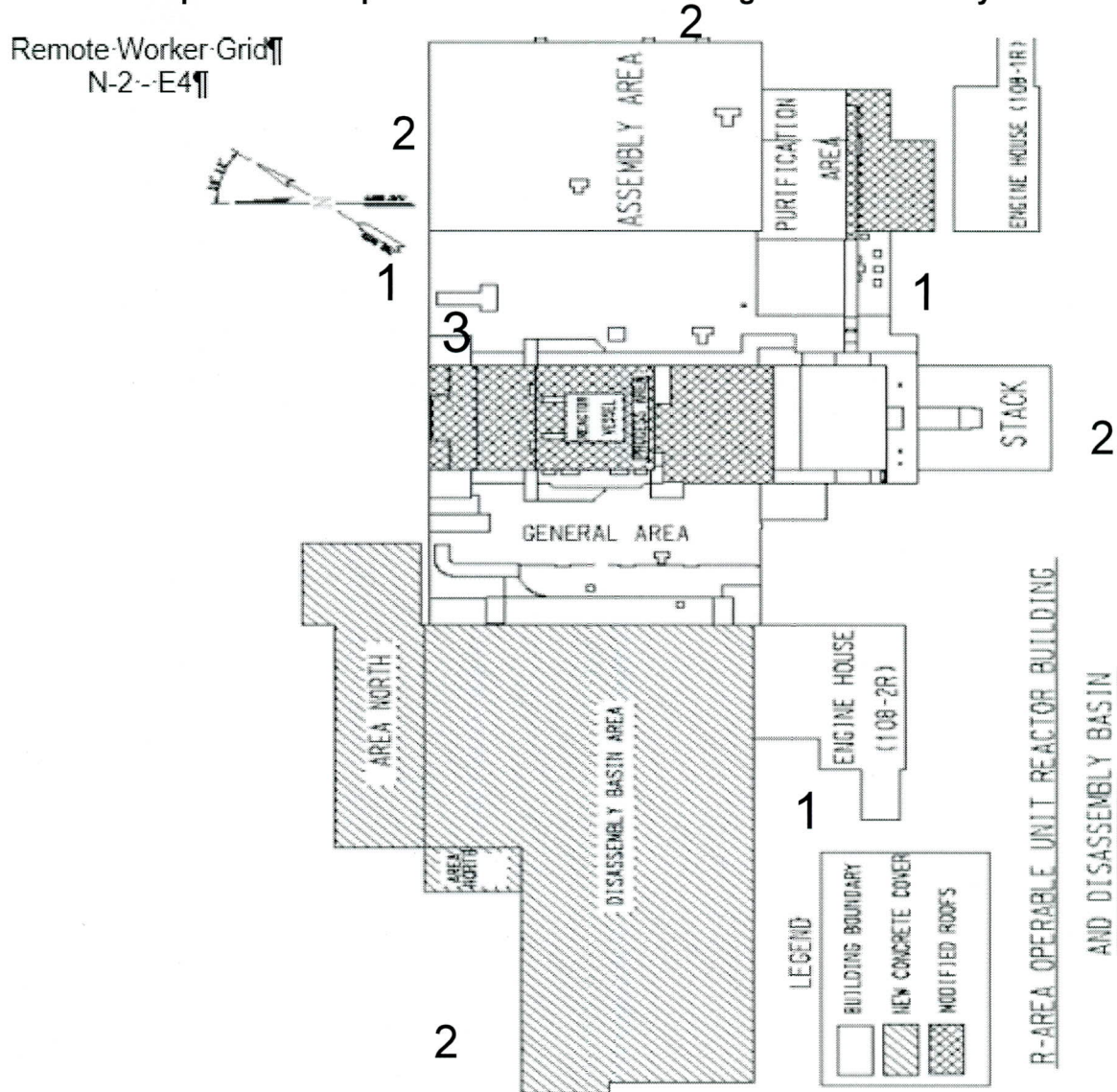
SCHEDULED UNSCHEDULED

A = Satisfactory		A or X	Observation/Corrective Action Taken
X = Unsatisfactory (Explanation required)			
3.	Verify access doors to 105-R Reactor Building complex and concrete cover at 108-1R and 108-2R Engine House are sealed.	A	
4.	Verify excessive deterioration of disassembly basin cover has not occurred and basin cover is free from debris and woody vegetation.	A	
5.	Check integrity of stone armament for presence of excessive erosion. Maintain area surrounding building up to and including perimeter roads for vegetation.	A	
6.	Verify there are no unauthorized excavations, digging, or construction activities at or in close vicinity of building.	A	
7.	Other Hog Damage Active Ant Mounds	X	Hog damage (rooting) next to the 105 Reactor building, on the North and South sides. There is also damage next to 108-2R. See Map Note: 1 Reference Maintenance Register PC-2022-000106 Active Ant Mounds around the building. See Map Note: 2. Ref. Maint. Reg: PC-2022-00107

Inspected By		
Charles P. Carter <i>(Print Name)</i>	 <i>(Signature)</i>	10/10/2022 <i>(Date)</i>

Review By Cognizant Technical Function		
James R. Ullery <i>(Print Name)</i>	 <i>(Signature)</i>	10/31/2022 <i>(Date)</i>
Review By Post-Closure Manager		
Brian Hanshew <i>(Print Name)</i>	 <i>(Signature)</i>	10/31/2022 <i>(Date)</i>

Map of R-Area Operable Unit Reactor Building and Disassembly Basin



NOTES: 1=Hog damage (rooting) next to the 105 Reactor building, on the North and South sides. There is also damage next to 108-2R
 2=Active Ant Mounds around the perimeter of building. Applied 2 lbs. of Extinguish ant bait.
 3=Roofs are functioning as intended and are free of woody vegetation with the exception of one small woody plant that we will apply herbicide to in the spring of 2023.

NO FURTHER ENTRIES

POST CLOSURE MAINTENANCE REGISTER

Index Number

Unit Name

1921 R-AREA OPERABLE UNIT, REACTOR BUILDING AND DISASSEMBLY BASIN (105-R)

Watershed LOWER THREE RUNS

AHA # NA
Work Order # N/A
Work Group SRNL AND SITE SERVICES
Priority Medium
RCRA NO

Maintenance Number PC-2022-00101 **Maintenance Status** Complete
Inspection Date 8/10/2022 **Chemical Type** Herbicide
Completion Date 8/10/2022 **Chemical Name**
Amount Used

Description Of Maintenance Item

Vegetation exist on roofs. Herbicide was applied to eliminate vegetation

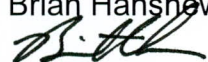
Maintenance Item Corrected

SRNL and Site Services applied herbicide to the roofs to eliminate vegetation. The application was made with a Drone.

Notes ER-IDS-019-063

Approved by: Brian Hanshaw - ACP Post Closure Manager

Signature



Approval date :

10/31/2022

POST CLOSURE MAINTENANCE REGISTER

Index Number**Unit Name**

1921 R-AREA OPERABLE UNIT, REACTOR BUILDING AND DISASSEMBLY BASIN (105-R)

Watershed LOWER THREE RUNS

AHA # NA
Work Order # N/A
Work Group POST CLOSURE MAINTENANCE
Priority Medium
RCRA NO

Maintenance Number	PC-2022-00107	Maintenance Status	Complete
Inspection Date	10/10/2022	Chemical Type	Pesticide
Completion Date	10/10/2022	Chemical Name	Extinguish
		Amount Used	2 Pounds

Description Of Maintenance Item

Active Ant Mounds around the perimeter of building.

Maintenance Item Corrected

Applied Extinguish ant bait

Notes ER-IDS-019-063

Approved by : Brian Hanshaw - ACP Post Closure Manager

Signature



Approval date : 10/31/2022