

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

Verified By

01/09/2020

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		A or X	Observation/Corrective Action Taken
X Unsatisfactory (Explanation required)			
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.	X	Roofs are functioning as intended. Non-woody vegetation exist and hinders drainage. Efforts will be made to remove vegetation. See map note:1 Reference maintenance register: PC-2020-00002

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

SCHEDULED UNSCHEDULED

A = Satisfactory X = Unsatisfactory (Explanation required)		A or X	Observation/Corrective Action Taken
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.	X	Carry over item: Several areas of caulking in expansion joints need repair See map note:2 Reference Maintenance Register PC-2017-00089
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	A	UAS footage stored in EC&ACP data disk, ER-DD-2019-00073

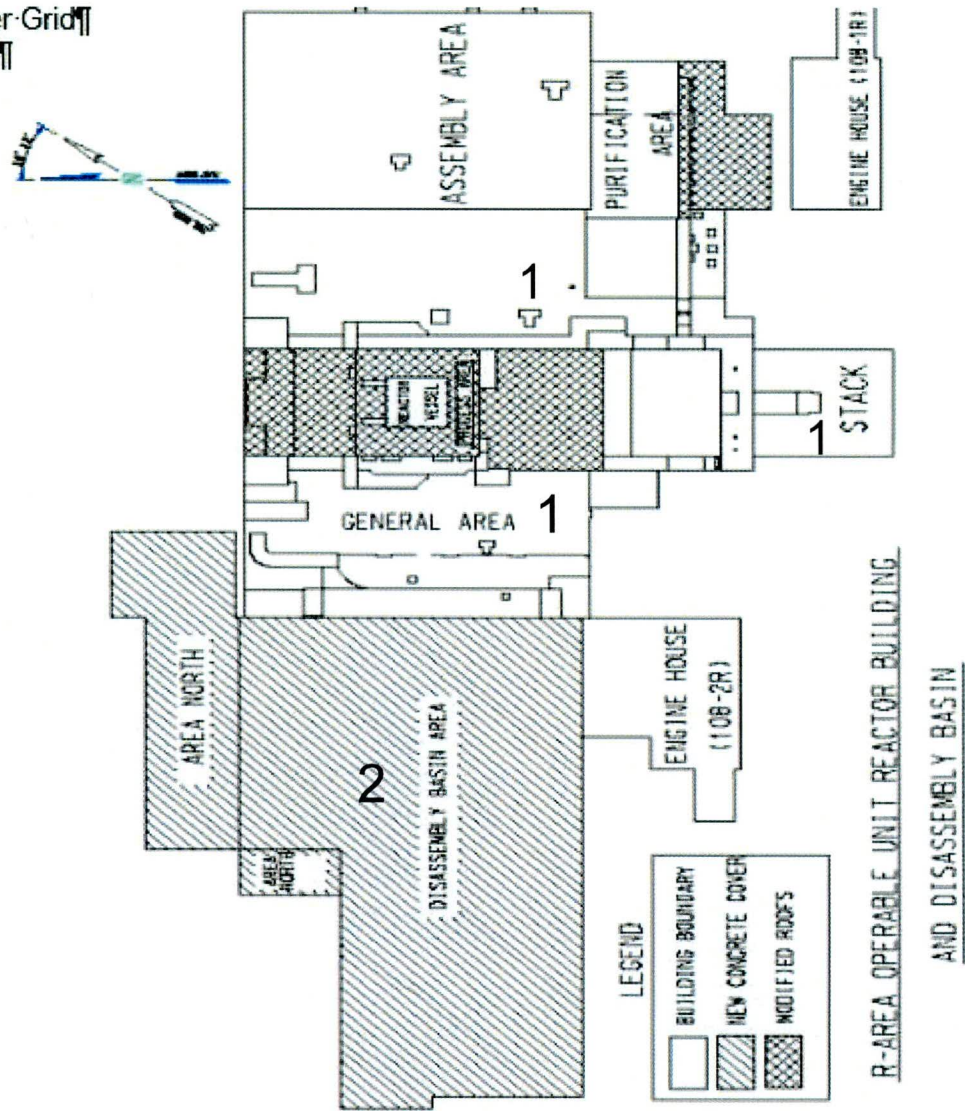
Inspected By		
Charles P. Carter (Print Name)	<i>Charles P. Carter</i> (Signature)	1/9/2020 (Date)

Review By Cognizant Technical Function		
Peter V. Avioli (Print Name)	<i>Peter V. Avioli</i> (Signature)	1/9/2020 (Date)

Review By Post-Closure Manager		
George W. Joyner (Print Name)	<i>George W. Joyner</i> (Signature)	1/9/2020 (Date)

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

Remote Worker Grid
 N-2--E4



NOTES: 1= Roofs are functioning as intended. Non-woody vegetation exist and hinders drainage. Efforts will be made to remove

Vegetation. 2= Carry over item: Several areas of caulking in expansion joints need repair. Work package for repair is in development.

Note: This inspection began in 10/2019 and was completed 01/09/2020, once aerial photos/videos were recieved and reviewed