

ENVIRONMENTAL COMPLIANCE & AREA COMPLETION PROJECTS (EC&ACP) STANDARD OPERATING PROCEDURES, VOL. I

Manual: C3
 Procedure: ER-IDS-019-063
 Revision: 3
 Effective Date: 10/25/2016
 Type-Class: Form
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R-AREA OPERABLE UNIT REACTOR BUILDING AND DISASSEMBLY BASIN FIELD INSPECTION CHECKLIST

CPL
 10-23-18

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 _____ 10-23-18
 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, ER-SOP-019, *Waste Unit 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 area(s) of the roofs that are not easily accessible, this verification may be performed by reviewing and evaluating the aerial photos obtained annually and by comparing them to the baseline photos located in the EC&ACP Document Control under R-Area CD (SRNS-MM-2013-00013). Changes 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. This method of inspection may continue until at such time that a walk down inspection of the roofs is necessary and possible repairs are needed. Any photos used for this evaluation shall be attached to the inspection report and included in the file submitted to EC&ACP Document Control.

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. (REFER TO Note 3).	X	VEGETATION ON ROOFS. SEE 2018 INSPECTION DATA DISK LOCATED IN THE EC&ACP Document Control. REF. MAINT Register - PL-2015-00105

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

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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. ALSO ANTS WERE NOTICED IN EXPANSION JOINT AT BUILDING SEE IMMEDIATE NOTE: (D) REF. MAINT. REGISTER PL-2017-00489
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 (UAS) UNMANNED AERIAL SYSTEM	NOTE	UAS FOOTAGE STORED IN EC+ACP DATA DISK. LOCATED IN EC+ACP DOCUMENT CONTROL.

Inspected By

<i>Charles P. Carter</i> (Print Name)	<i>Charles P. Carter</i> (Signature)	10-23-18 (Date)
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Review By Cognizant Technical Function

<i>Peter Aviole</i> (Print Name)	<i>Peter Aviole</i> (Signature)	10-23-18 (Date)
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Review By Post-Closure Manager

<i>George W Joyner</i> (Print Name)	<i>George W Joyner</i> (Signature)	11/15/18 (Date)
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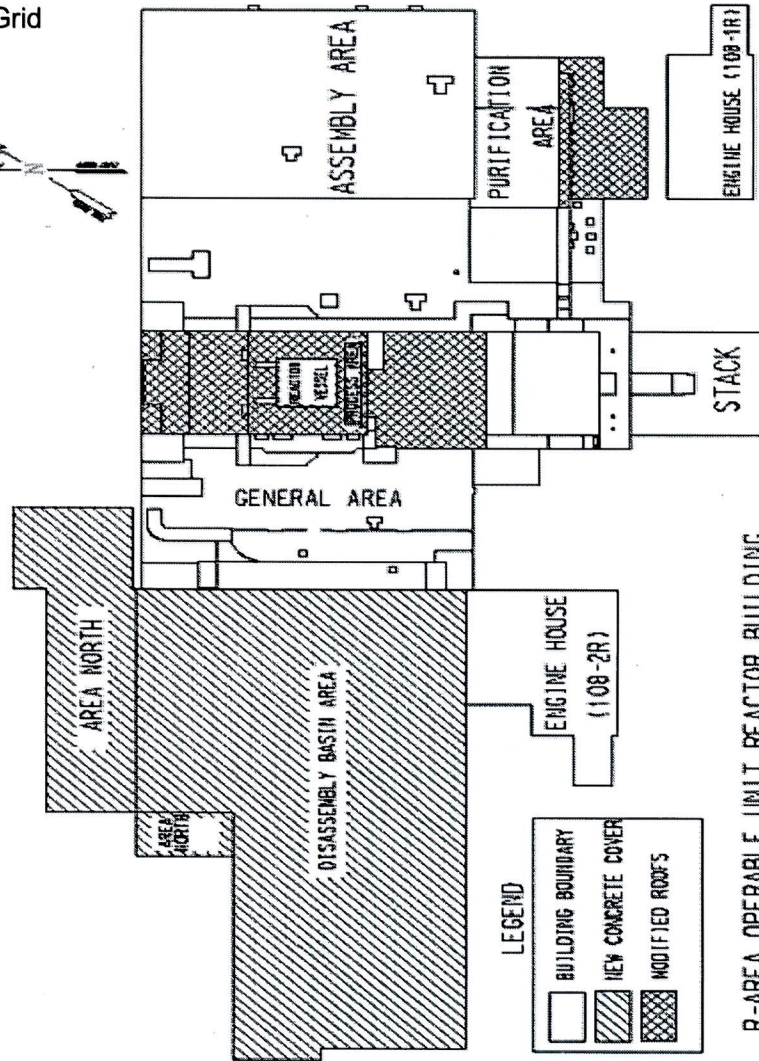
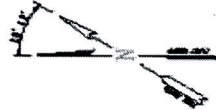
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R-Area Operable Unit Reactor Building and Disassembly Basin

Remote Worker Grid N-2 - E4



R-AREA OPERABLE UNIT REACTOR BUILDING AND DISASSEMBLY BASIN

NOTES: SEE ATTACHED CTF EVALUATION.

① CARRY OVER ITEM: WORK PACKAGE WILL BE DEVELOPED TO REPAIR CAULKING IN EXPANSION JOINTS ON THE DISASSEMBLY BASIN COVER.

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The 2018 inspection utilized an Unmanned Aerial System for the inspection. Video footage is stored on a data disk in EC&ACP Document Control. No further degradation of the reactor and associated roofs was observed. Vegetation growth continues and has exacerbated issues with standing water. Cracks were noted in the concrete walls next to the disassembly basin that were added as part of the closure but are currently within acceptable limits.



Cracking, Gantry Crane Roof



Vegetation



Vegetation



Vegetation



Vegetation



Cracking, 105-R Concrete – Dissassembly Side