

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

Manual: C3
 Procedure: ER-IDS-019-065
 Revision: 3
 Effective Date: 10/25/2016
 Type-Class: Form
 Page: 1 of 37 ^{cal} 10-23-18

P-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. Carter
 Verified By

10-23-18
 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. 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 the aerial photos obtained annually and by comparing them to the baseline photos located in EC&ACP Document Control under P-Area CD (SRNS-MM-2013-00014). 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 such time that a walkdown 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-P Reactor Building and Basin.	A	
2. Verify 105-P 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 DESK LOCATED IN THE EC + ACP DOCUMENT CONTROL. REF. MAINT REGISTER PL-2017-00090

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

Manual: C3
 Procedure: ER-IDS-019-065
 Revision: 3
 Page: 2 of 3 ^{CP} 10-23-18

SCHEDULED UNSCHEDULED

A = Satisfactory X = Unsatisfactory (Explanation required)	A or X	Observation/Corrective Action Taken
3. Verify access doors to 105-P Reactor Building complex and concrete cover at the 108-1P and 108-2P Engine House are sealed.	A	
4. Verify excessive deterioration of disassembly basin cover has not occurred, basin cover is free from debris, and woody vegetation.	X	CARRY OVER ITEM: SEVERAL AREAS OF CAULKING IN EXPANSION JOINTS NEED REPAIR. SEE MAY NOTE #1 REF. MAINT REGISTER PL-2017-00091
5. Check integrity of stone armament for presence of excessive erosion. Maintain area surrounding the building up to and including perimeter roads for vegetation.	A	
6. Verify there are no unauthorized excavations, digging, or construction activities at or close vicinity of the building.	A	
7. Other (UAS) UNMANNED AERIAL SYSTEM	A	UAS FOOTAGE STORED IN EC+ACP DATA DESK. LOCATED IN EC+ACP DOCUMENT CONTROL.

Inspected By
 CHARLES P. CARTER (Print Name) Charles P. Carter (Signature) 10-23-18 (Date)

Review By Cognizant Technical Function
 PETER AVIOLI (Print Name) Peter Avioali (Signature) 10-23-18 (Date)

Review By Post-closure Manager
 George W Joyner (Print Name) George W Joyner (Signature) 11/15/18 (Date)

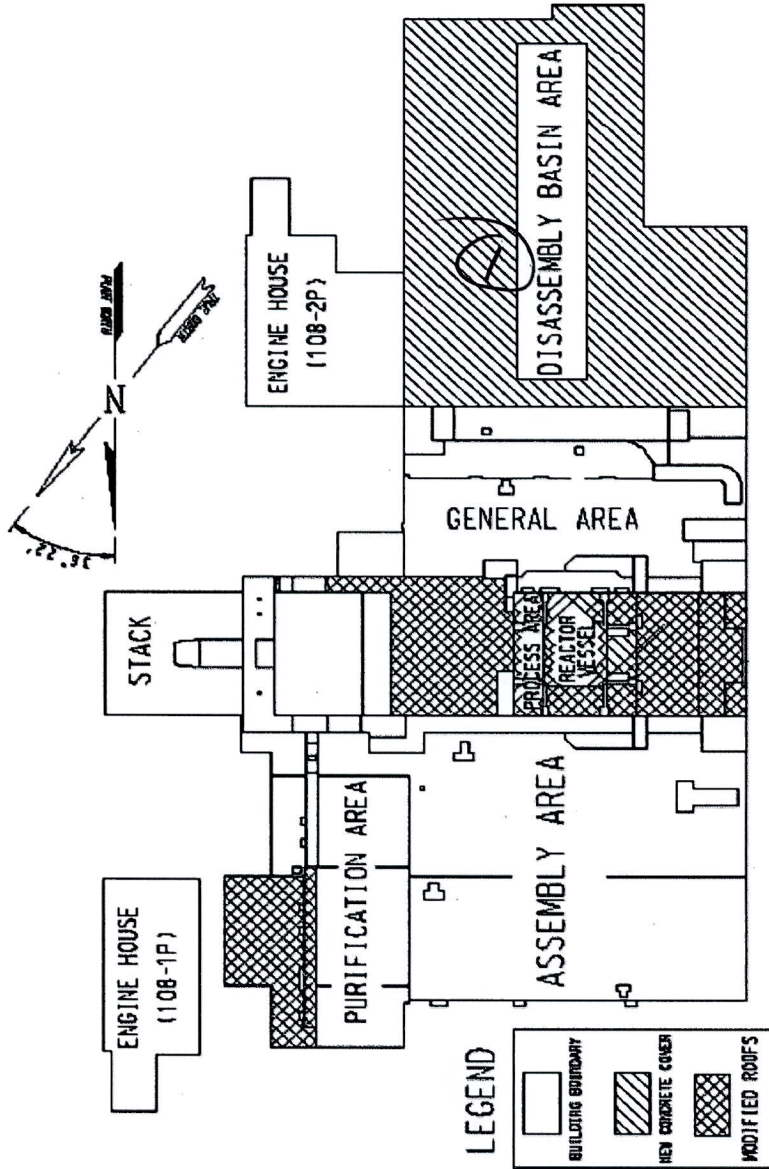
P-Area Operable Unit Reactor Building and Disassembly Basin Field Inspection Checklist

Manual: C3
Procedure: ER-IDS-019-065
Revision: 3
Page: 3 of 7

egc
10-23-18

P-Area Operable Unit Reactor Building and Disassembly Basin

Remote Worker
S2 - E4



P-REACTOR BUILDING COMPLEX AND DISASSEMBLY BASIN

NOTES: SEE ATTACHED CTF EVALUATION.

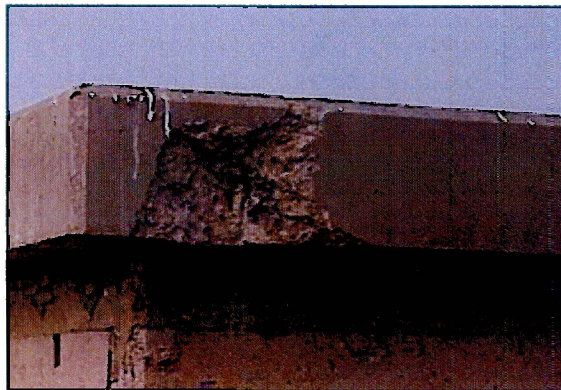
D-CARRY OVER ITEM: WORK PACKAGE WILL BE DEVELOPED TO REPAIR CAULKING IN EXPANSION JOINTS ON THE DISASSEMBLY BASIN COVER.

CPC 10-23-18

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. Standing water and vegetation is still present.



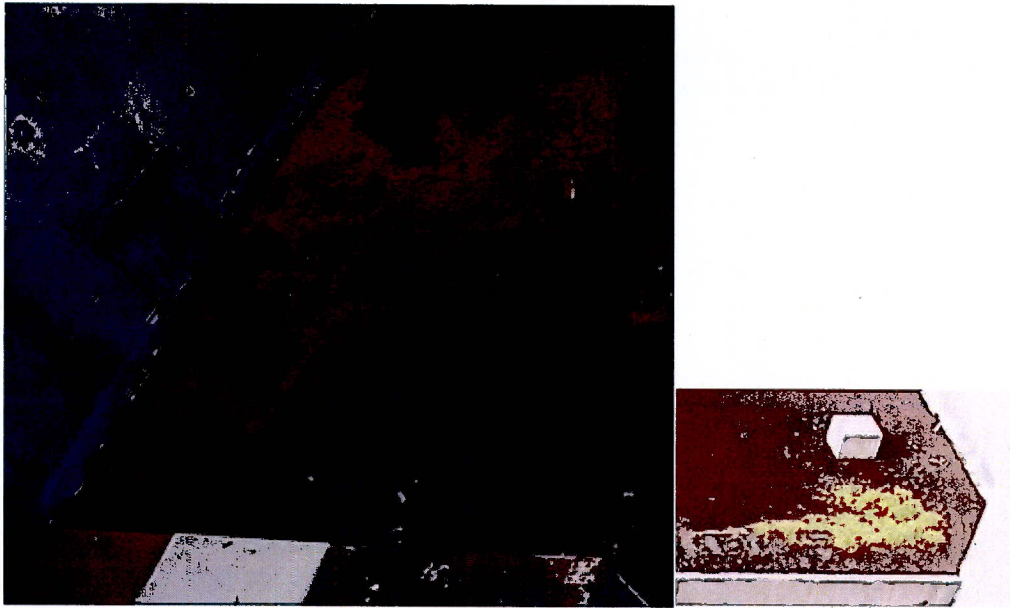
High-hat Flaw



High-hat Flaw



Cracking on Roof, North of High-hat



Sporadic Vegetation



Crack, North Face



Cracking and Minor Spalding, Gantry Crane Roof