

**ENVIRONMENTAL COMPLIANCE & AREA COMPLETION PROJECTS (EC&ACP) STANDARD  
OPERATING PROCEDURES, VOL. I**
**Manual: C3**  
**Procedure: ER-IDS-019-048**  
**Revision: 6**  
**Effective Date: 01/27/2022**  
**Type-Class: Checklist**  
**Page: 1 of 3**
**R-REACTOR SEEPAGE BASINS 904-57G, 904-58G, 904-59G, 904-60G, 904-103G AND 904-104G  
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.

Donny Sahn  
Verified By

08/10/2024  
Date

**CAUTION**

The Inspector is required to 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 is made in accordance with Savannah River Site post-closure inspection procedures.

**NOTE**

1. Manual C3, Volume 1, Procedure ER-SOP-019, Waste Unit and IOU Inspection and Maintenance, is referenced for inspection details.
2. Monitoring wells associated with this waste unit are maintained in accordance with Environmental Compliance and Area Completion Projects monitoring well procedures.
3. Steps in this checklist may be completed concurrently or in any order.

 SCHEDULED

 UNSCHEDULED

A = Satisfactory X = Unsatisfactory (Explanation required)		A or X	Observation/Corrective Action Taken
1.	VERIFY roads are accessible.	A	
2.	VERIFY waste unit signs (23) and granite monument (5) are in acceptable condition, have correct information, and are legible from a distance of 25 feet.	A	

R-Reactor Seepage Basins 904-57G, 904-58G, 904-59G, 904-60G, 904-103G and 904-104G Field Inspection Checklist

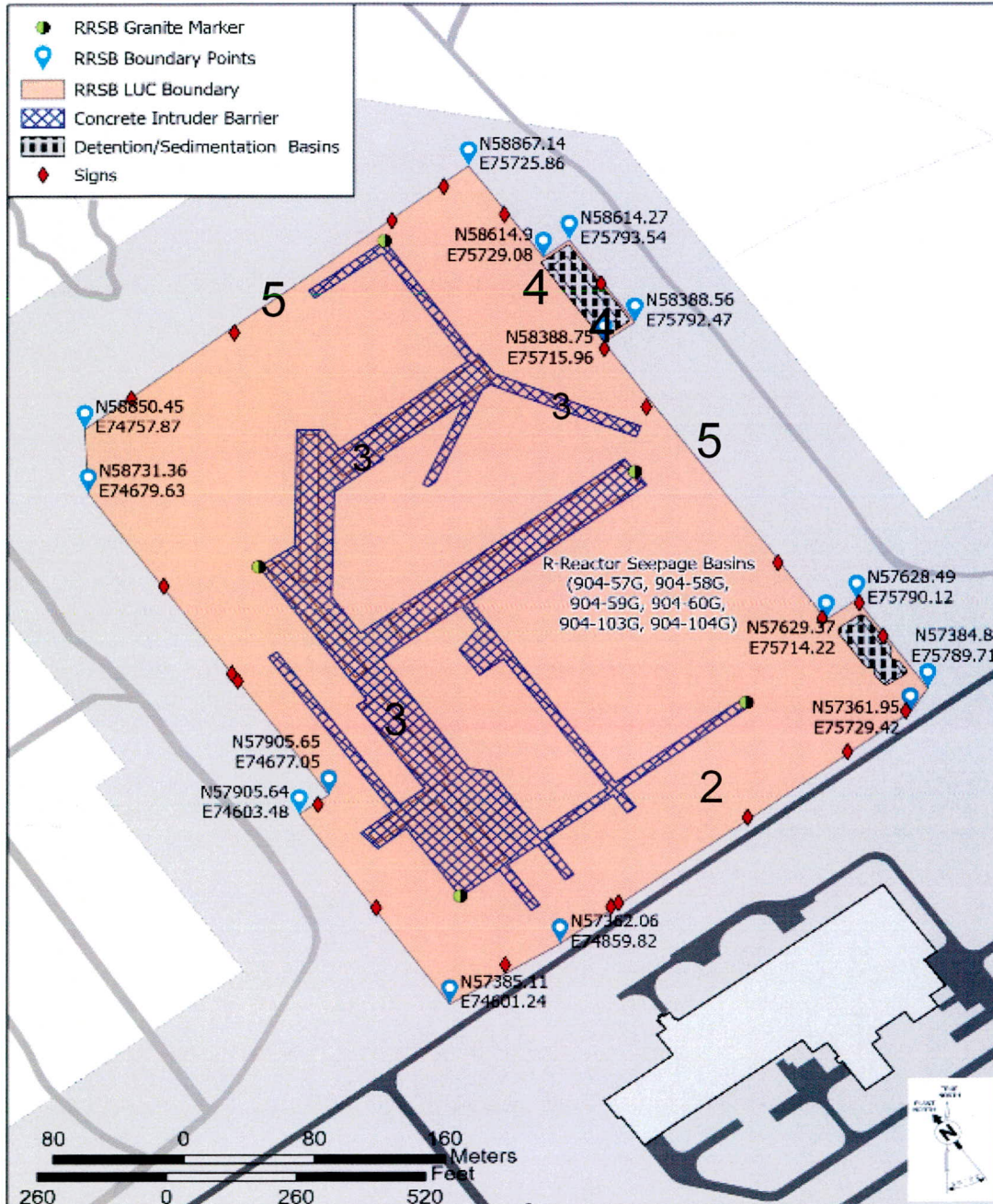
SCHEDULED       UNSCHEDULED

A = Satisfactory X = Unsatisfactory (Explanation required)		A or X	Observation/Corrective Action Taken
3.	VERIFY fence is in good condition and locked (five locations).	A	
4.	CHECK asphalt cover for signs excessive cracking, depressions (subsidence), and burrowing animals.	X	Two cracks on the south side. See Map Note:2 Reference Maintenance Register: PC-2022-00096
5.	VERIFY no woody vegetation is growing through asphalt bioturbation barrier. REMOVE OR IDENTIFY as needed.	A	
6.	VERIFY there has not occurred excessive deterioration of concrete cover.	X	Concrete cover has areas of cracking and sealant in control joints is deteriorated See Map Note: 3 Reference Maintenance Register: PC-2022-00097 Note: Zone 4 concrete repairs were completed in FY23, zones 1,2 and 3 have been completed in FY24. All cracks need to be repaired again.
7.	CHECK integrity of sediment basins (2) and drainage ditches for presence of excessive erosion, sediment build-up, and debris restricting water flow.	X	Minor Erosion is present at the inlets to the North sediment basin See Map Note:4 Reference Maintenance Register: PC-2023-00071
8.	VISUALLY CHECK buffer vegetative grass density. (The height of vegetative cover should not impair visual inspection of asphalt or concrete cover. This will be determined by the Inspector.)	A	
9.	VERIFY there are no unauthorized excavation, digging, or construction activities in R-Reactor Seepage Basin (RRSB) Operable Unit.	A	
10.	Other. Two fallen trees across fence	X	Two trees fell across perimeter fence on the East and West sides. USFS removed the trees and temporarily repaired the fence to prevent access until permanent repairs can be made. See Map Note: 5 Reference Maintenance Register: PC-2023-00072

Inspected By		
Donald A. Sahn <i>(Print Name)</i>	<i>Donald A. Sahn</i> <i>(Signature)</i>	08/10/2024 <i>(Date)</i>

Reviewed By Post-Closure Manager		
Brian Hanshew <i>(Print Name)</i>	<i>BH</i> <i>(Signature)</i>	9/5/2024 <i>(Date)</i>

R-REACTOR SEEPAGE BASINS



- NOTES:** 2=Two cracks in the asphalt cover. The cracks will be filled with a repair sealant that engineering will specify.
- 3=Concrete cover has areas of cracking and sealant in control joints is deteriorated. Construction will repair concrete and replace sealant in the control joints.
- Note: Zone 4 concrete repairs were completed in FY23. Zones 1,2 & 3 have been completed in FY 24. All cracks need to be repaired again.
- 4=Minor Erosion is present at the inlets to the North sediment basin. Minor areas of erosion will be repaired with rock.
- 5=Two trees fell across perimeter fence on the East and West sides. USFS removed the trees and temporarily repaired the fence to prevent access until permanent repairs can be made. USFS will make permanent repairs.

Referenced Procedure:ER-SOP-019, 5.1 to perform an unscheduled inspection.