



U.S. DEPARTMENT OF
ENERGY

Savannah River Site

A Presentation to the
Facilities Disposition and Site Remediation Committee
SRS Citizens Advisory Board

Integrator Operable Unit (IOU) Program Overview

Brian Hennessey
Federal Facility Agreement Project Manager
Department of Energy, Savannah River Operations Office

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Acronyms

CAB	Citizens Advisory Board
DOE	Department of Energy
EPA	Environmental Protection Agency
FFA	Federal Facility Agreement
FY	Fiscal Year
GA DNR	Georgia Department of Natural Resources
IOU	Integrator Operable Unit
LTR	Lower Three Runs
NRT	National Response Team
OU	Operable Unit
RI / FS	Remedial Investigation / Feasibility Study
ROD	Record of Decision
SCDHEC	South Carolina Department of Health and Environmental Control
SREL	Savannah River Ecology Laboratory
SRNL	Savannah River National Laboratory
SRS	Savannah River Site





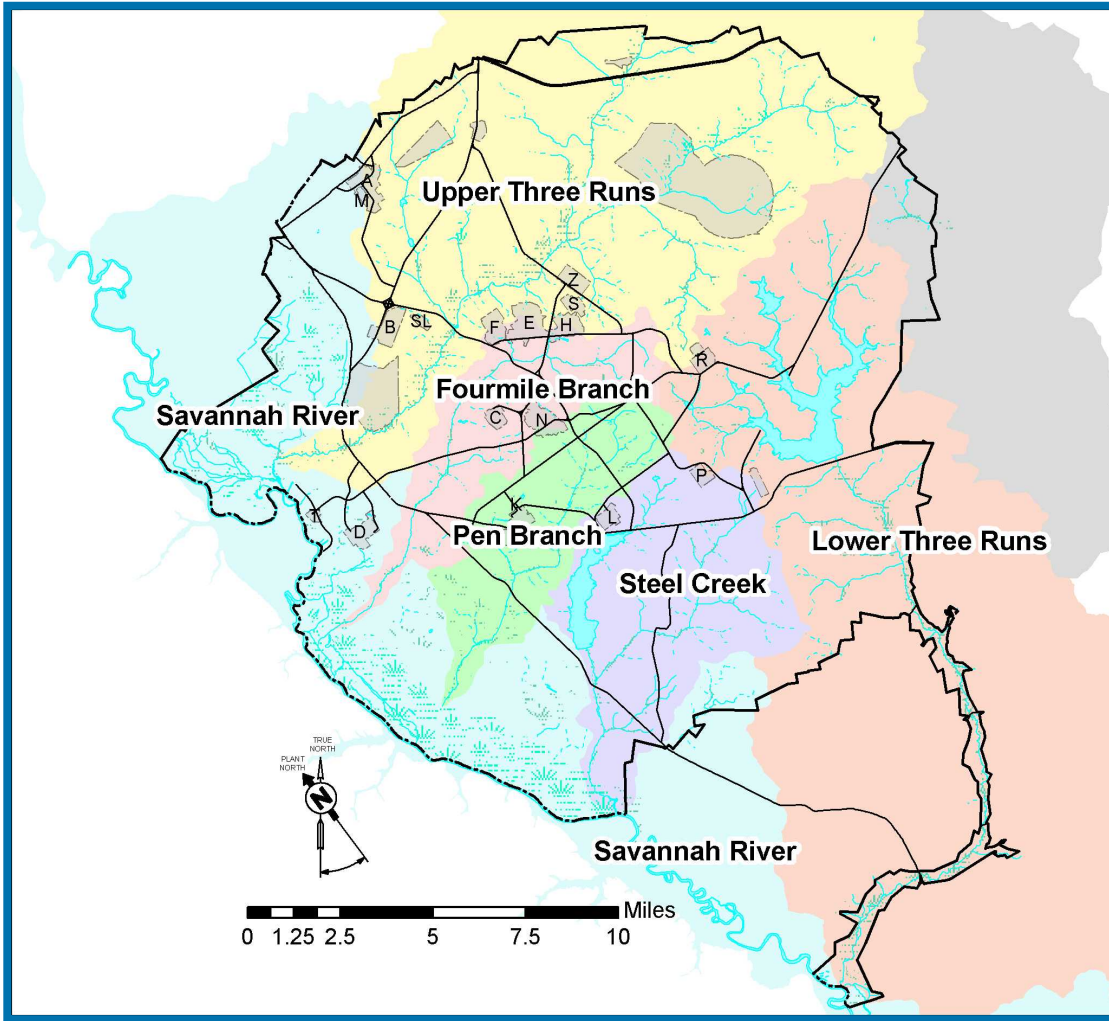
Purpose

- **Provide brief description of the IOU Program**
- **Provide status of the IOU Program**
- **Present an update on Lower Three Runs (LTR) IOU**





IOU Program



- SRS streams added to the FFA in FY 1997
- Includes surface water, soil / sediment, and biota (plants and animals)



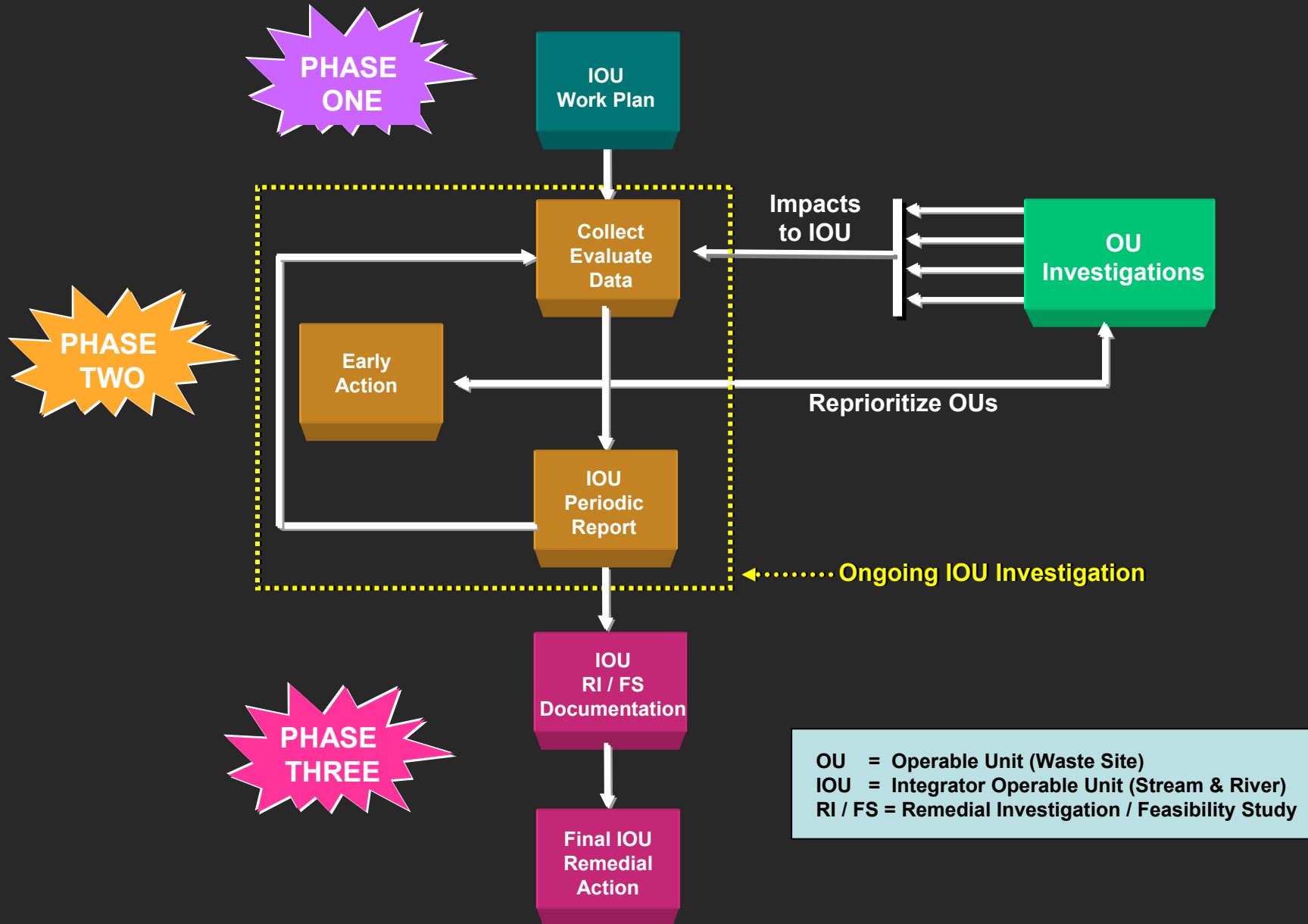


Integrator Operable Unit (IOU) Purpose

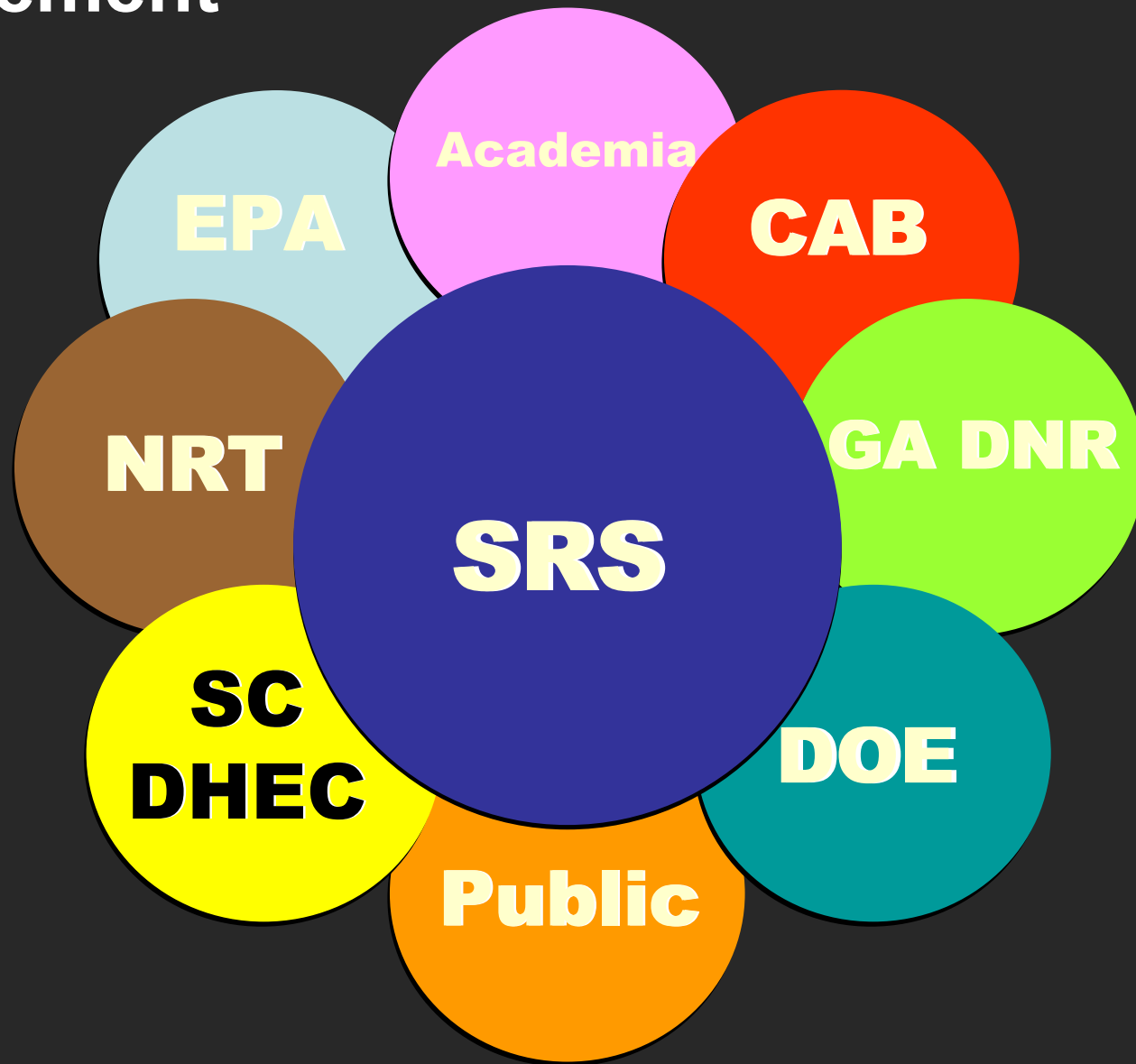
- **Determine and monitor contaminants in SRS streams**
- **Assess the health of the stream systems**
- **Evaluate human health risk in stream corridors**
- **Determine whether early actions are needed**
- **Make final IOU cleanup decisions after operations have ceased and OU cleanup decisions are completed**



IOU Program



Involvement





IOU Schedule

	Phase II Began	Phase III	ROD
Steel Creek	May 2000	May 2024	March 2030
Savannah River / Floodplain Swamp	May 2001	December 2024	March 2028
Fourmile Branch	August 2001	November 2024	June 2030
Lower Three Runs	November 2001	March 2013	March 2020
Pen Branch	June 2002	January 2024	June 2030
Upper Three Runs	January 2003	June 2022	March 2028





IOU Documents

IOU	Remedial Investigation Work Plan Approved	Periodic Report No. 1 Approved	Periodic Report No. 2 Approved	Periodic Report No. 3 Approved	Periodic Report No. 4 Approved
Upper Three Runs	5/27/2003	4/11/2006	4/24/2008	Due 8/31/2011	N/A
Fourmile Branch	3/13/2002	7/23/2003	1/19/2006	11/20/2008	N/A Due 10/30/2011
Pen Branch IOU	11/06/2002	11/2/2004	11/29/2007	Due 6/01/2010	N/A
Steel Creek	9/12/2000	12/20/2002	9/22/2004	5/16/2007	N/A Due 8/31/2009
Lower Three Runs	3/21/2002	2/10/2005	4/16/2007	Submitted 5/27/2009	N/A
Savannah River / Floodplain Swamp	5/12/2003	10/07//2006	11/18/2008	Due 5/31/2012	N/A





Status

- **Lower Three Runs - most recent Periodic Report**
- **No additional Early Actions needed since last update**
- **Annual inspections of Early Actions instituted:**
 - **Fences and signs at road crossings**
- **Utilizing expertise of SREL, SRNL, and other academic institutions for special ecological studies including background levels of cesium-137 in SRS deer.**





Path Forward

- **Recovery Act activities through 2011 include:**

(Expected to begin September 2009)

Estimated
Cost:
~\$1.6M

- Extensive characterization of LTR Tail portion
- Extensive characterization of R-Area and P-Area Discharge Canal and Pre-cooler Ponds
- Determine appropriate actions for LTR Tail

- **Update in 2010**





Location of Lower Three Runs

