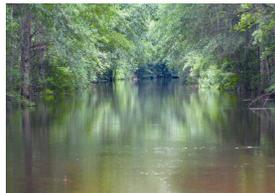




LIMS User Group



Joe Riddle
Process & Control Services, Manager
Washington Savannah River Company
DOE Complex Wide LIMS User Group Meeting

October 17, 2006

Process & Control Services

Process & Control Services is an organization of 190 employees that supports the site distributed controls systems, programmable logic controllers, graphical information systems, laboratory information management systems, networks, security systems, waste tracking systems, and other facility systems.

Process & Control Services Tools

Tools used to replace the legacy LIMS

- **Standard LIMS / One vendor change**
- **Minimize Scope / Configuration Control**
- **Technical Oversight & Meeting Minutes**
- **Tracked Scope/Schedule/Cost**
- **Module/Integration/Final Testing**
- **Management Checklist**
- **Management Control Plan**

Change Control Board Approval – 12/20/04

– Scope

- *Replace current legacy DWPF LIMS with site standard “COTS” LIMS*

– Cost

- *Manpower: 4.5 FTEs over 15 months.*
- *FY05 Non-Labor: \$90k total = \$75k LIMS License + \$15k Oracle License*
 - *Re-occurring License fee per year \$50k total = \$35k LIMS +\$15k Oracle*

– Schedule

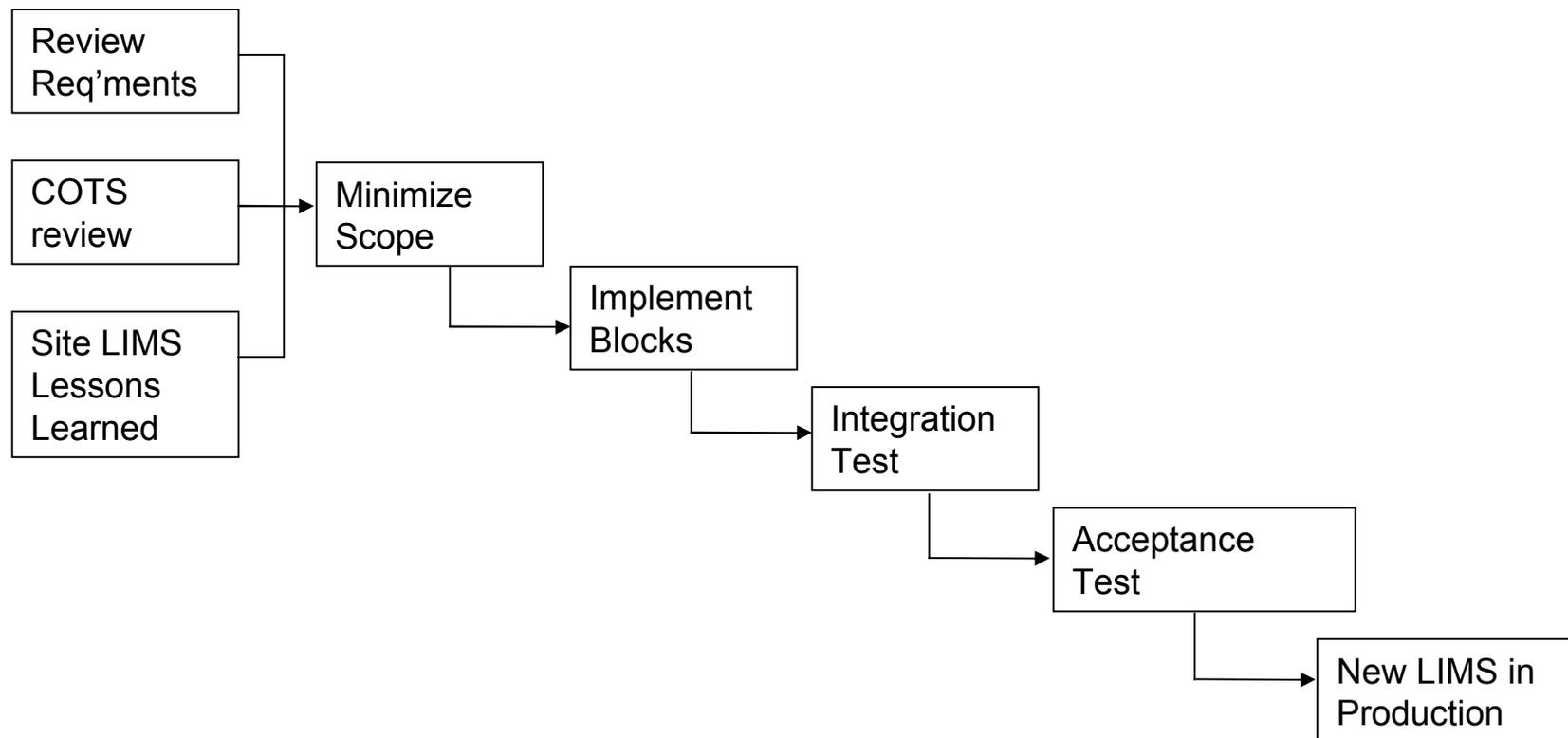
- *15 months duration (Completion by 4/30/06)*

DWPF LIMS

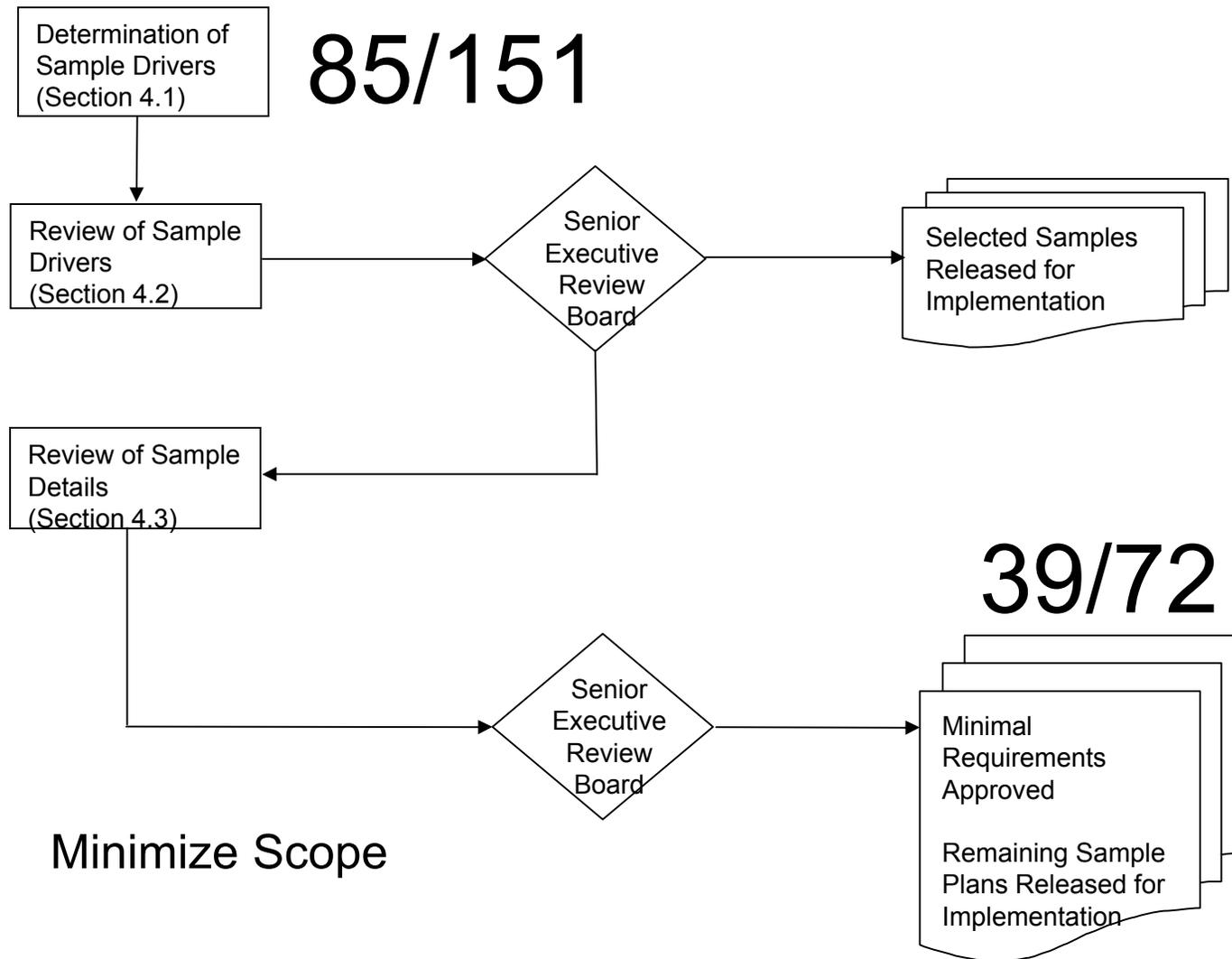
Schedule Tracked per DWPF POD

Activity ID	Activity Description	Early Start	Early Finish	Rem Dur	Total Float	PODF	2005												2006						
							D	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
LIMS REPLACEMENT (SCHEDULE UNDER CONSTRUCTION)																									
ICP ARG - 1 BLOCK 2																									
DWPF LIMS LIFE CYCLE REPLACEMENT																									
WD00AAA010	LIMS PROJECT SUMMARY LEVEL 1	15NOV04A	21MAR06	1,500'	390	U	LIMS PROJECT SUM																		
WDXXLYL01	REVISE BLOCK 1&2 - SPECS,	10JAN05	23MAY05	740'	1,750	M	REVISE BLOCK 1&2 - SPECS, PROCEDURE, & CODING																		
WD00LIMS01	RESTART LIMS ACTIVITIES	15NOV04A	16DEC04	30'	480	U	RESTART LIMS ACTIVITIES																		
WDXXLIM02	EMCAP LIMS - P&CS MAN PWR		01MAR05*	0	390	M	EMCAP LIMS - P&CS MAN PWR AVAILABLE																		
WD99IMS100	CCB	20DEC04*		0	480	U	CCB																		
WD94A010	Procure SQL LIMS Bring Current	10JAN05*	08MAR05	320	390	U	Procure SQL LIMS Bring Current Charges (30)																		
WD94B010	Procure LIMSLINK Instruments License	10JAN05*	08MAR05	320	390	U	Procure LIMSLINK Instruments License Renewals(8)																		
WD94C010	Procure SQL LIMS Auto Result Entry	10JAN05*	08MAR05	320	390	U	Procure SQL LIMS Auto Result Entry (3)																		
WD94H010	Review Block 1 for Changes Since	02MAR05	07MAR05	30	390	U	Review Block 1 for Changes Since Shutdown																		
WD94I010	Review Block 2 for Changes Since	08MAR05	10MAR05	30	390	U	Review Block 2 for Changes Since Shutdown																		
WD94D010	Unpack/Connect Hardware	09MAR05	10MAR05	20	390	U	Unpack/Connect Hardware																		
WD94E010	System Functionality Test	14MAR05	17MAR05	40	390	U	System Functionality Test																		
WDXXHAM01	(HA) WRITE PROCEDURES - ICP	10JAN05	10MAR05	340'	1,910	U	(HA) WRITE PROCEDURES - ICP ARG-1 - Block 1&2																		
WDXXHAM02	(HA) VALIDATE PROCEDURES - ICP	12APR05	23MAY05	240'	1,750	U	(HA) VALIDATE PROCEDURES - ICP ARG-1 Block 1&2																		

DWPF LIMS



DWPF LIMS



Reference attached CMT List

Site Acceptance Test (SAT) for DWPF New LIMS
Listing of Computer Modification Trackers (CMTs) and Status

Date:
Page:

	CMT Number	Title	Rating	Corrected	Verified
1	J-CMT-S-00854	Incomplete Calculations for Plan SME-3)\$, Method WPOVP, Operation WPV03 and WPV06	A	Yes	Yes
2	J-CMT-S-00855	Change Operation Name of CCDL@ and Remap Fetch Code	A	Yes	Yes
3	J-CMT-S-00856	Sample Plan DWTT-2 Method ICPCT, Operation ICPFS	A	Yes	Yes
4	J-CMT-S-00857	Incomplete Calculations for Method ICPPW Operation IPMOC and IPMOS	A	Yes	Yes
	J-CMT-S-00858	Provide Tracking Capabilities for 5000x dilutions of	A	Yes	Yes

Reference attached Meeting Minutes

P&CS – Waste Process & Control Support

March 16, 2006

Meeting Minutes: DWPF LIMS Project Review

Revision 0

Page 1 of 2

I. **DATE, TIME & LOCATION:** 3/16/06, 13:00 – 14:00 , 704-S rm 21

II. **ATTENDEES:**

Marshall Miller
Sharon Marra
Ronie Spencer
Joe Riddle
Woodie Melton

DWPF Chief Engineer
SRNL Representative
Central Laboratory Representative
Waste & Separations Process Services
DWPF Laboratory Manager

III. **BRIEF DESCRIPTION & AGENDA:** Mr. Riddle and Mr. Melton reviewed the status of the DWPF LIMS Replacement Project and requested concurrence from the three Executives that the development of LIMS has meet their expectations.

Reference attached Management Checklist

Washington Savannah River Company
Closure Business Unit – Waste Solidification Projects
DWPF LIMS Management Checklist

WSRC-RP-2006-00566
April 11, 2006
Revision 0
2 of 6

INTRODUCTION

This Management Checklist is a tool used to verify that the general requirements necessary for the startup and transition of the new Defense Waste Processing Facility (DWPF) LIMS from the current legacy LIMS. The new DWPF LIMS was developed and tested over the past 18 months and is ready to replace the legacy LIMS.

Reference attached Management Control Plan

Westinghouse Savannah River Company
Closure Business Unit – Waste Solidification Projects
New DWPF LIMS Management Control Plan

WSRC-RP-2006-00569
Rev. 0
April 17, 2006, 2006
2 of 4

1.0 Purpose

The Management Control Plan defines the control program to be used during the period between the completion of the Management Checklist and Operations of new DWPF LIMS. This plan will focus on operational controls and configuration management until complete turnover from the current legacy LIMS and the new DWPF LIMS.

Example of LIMS Upgrade at SRS

Request approval from DWPF Senior Management on 4-19-06 to promote the new DWPF LIMS which replaces the legacy LIMS

DWPF LIMS

Question - How do we know that we are ready to transition to the new DWPF LIMS?

Answer - By utilizing a Management Checklist

Management Checklist

- **Quality Assurance Plan**
- **Computer Security**
- **Requirements**
- **Training**
- **Procedures**
- **Drawings**
- **WFA Review**
- **Facility Management Review**

- *Management Control Plan*
- **Records, Test Plans, Test Results, & Test Reports**
- **Technical Panel Review**
- **Hardware/Spare Parts**

DWPF LIMS

Management Checklist

- Records, Test Plans, Test Results, & Test Reports
 - Records – Project Records, Requirements, Test Plans, Tests Results, Test Reports
 - Test Results – Module Tests: 12 Volumes, Integration Test: 22 Volumes, Acceptance Test: 6 Volumes
 - Test Reports – SAT Integration Test Report, SAT Production Acceptance Test Report



Management Checklist

Ready to Implement - Management Control Plan

- **Management Checklist Complete**
- **Quiet Time Implemented**
- **Training**
- **Determine when to transition from the legacy LIMS to the new DWPF LIMS**
- **Begin LIMS Transition**
- **LIMS Transition Complete**
- **Operations**

- **Process & Control Services supports the LIMS across SRS**
- **Reviewed Tools for implementing a successful LIMS Project**
- **Case Study – DWPF LIMS Projects successfully implemented these tools**