DEFENSE LOGISTICS AGENCY

Air Force Center for Environmental Excellence

Remedial Process Optimization Scoping Visit Out-brief DSCR 28 September 2000

Presented by

Lt Col Daniel L Welch

Overview

- Purpose of the RSV
- DSCR Site Status
- DSCR RSV Recommendations
- DSCR Follow-up

Purpose of the RPO Scoping Visit (RSV)

- Assist base in planning and reaching site closure
  - Scheduling and costing program through closure
  - Identify Remedial Process Optimization opportunities
  - Identify Follow-on RPO Phase II Requirements

RPO Components

1. Evaluate accuracy of the conceptual site model (CSM) and appropriateness of clean up goals and data quality objectives (DQOs)

2. Assess feasibility of remedial design/remedial action to meet clean up goals

RPO Components Cont.

❸ **Establish DQO decision rules, and create decision trees for clean-up goals, technology selection and performance evaluation**

RPO Components Cont.

4. Optimize remedial action operation (RA-O), performance monitoring, and Long-Term Monitoring (LTM)

5. Verify that field procedures and analytical protocols meet DQOs

6. Streamline and standardize data management

DSCR RSV

- Conducted visit 25 - 28 September 2000
- RSV Team
  - Lt Col Daniel L Welch - Facilitator
  - Dr. Javier Santillan - RSV Team Leader
  - Dr. Ivan Boyer *(Toxicologist)*
  - Dr. Robert Sextro *(Chemical Engineer)*
  - Mr. Steven Glennie *(Hydrogeologist)*
  - Mr. Douglas Downey *(Civil Engineer)*
  - *Mr. James Kapinos (Engineer)*

DSCR ERP Status

OU	DSERTS	Site Type	Remediation Phase	CSM	ROD	System ROD Compliant
1	4, 8, 28	Storage Area/ Soil	IC, SD-01	●	1992	Y
2	9	Storage Area Soil&GW	FS	●	2001	
3	26, 31	Maintenance Area/Soil	C, SD-01	●	1995	Y
4	17, 30	Fire Training Area/NA	C, SD-01	●	1999	Y
5	27	Pit/Tank Area/Soil	5Yr-01, SD-01	●	1992	Y
6	34	Aquifer/GW	FS	●	2003	
7	32	Aquifer/GW	RI	●	2002	
8	36	Aquifer/GW	FS, IRA	●	2001	
9	34	Interim Action for OU 6	RA-O	●	1993	Y
10	6	Storage/Soil	RI/FS D-gap		2001	
11	2	Storage Area/ Soil	RI/FS D-gap		2001	
12	14	Storage Building/Soil	RD		2001	
13	37	AST Area/Soil	RI/FS		2002	
PX	33	Fuel Storage&Dispensing	RA-O	●	1997	Y

IC=Institutional Controls; SD=Site deletion, ● Acceptable, ● Update

DSCR ERP Status

OU	DSERTS	Site Type	RA-O/LTM	Established appropriate Cleanup Goals	Will System Meet Cleanup Goals
1	4, 8, 28	Storage Area/ Soil	NA	Y	NA
2	9	Storage Area Soil&GW	NA	Y	NA
3	26, 31	Maintenance Area/Soil	Y	Y	NA
4	17, 30	Fire Training Area/NA	NA	Y	NA
5	27	Pit/Tank Area/Soil	NA	Y	NA
6	34	Aquifer/GW	F	●	TBD
7	32	Aquifer/GW	F	●	TBD
8	36	Aquifer/GW	Y	●	TBD
9	34	Interim Action for OU 6	Y	●	TBD
10	6	Storage/Soil	TBD	TBD	TBD
11	2	Storage Area/ Soil	TBD	TBD	TBD
12	14	Storage Building/Soil	TBD	●	TBD
13	37	AST Area/Soil	TBD	●	Likely
PX	33	Fuel Storage&Dispensing	Y	Y	Y

● Update

DSCR ERP Recommendations

OU	Site Type	Decision Rules	Alt Tech	Optimize Tech	Optimize Monitoring
1	Storage Area/ Soil				
2	Storage Area Soil&GW	●	●		
3	Maintenance Area/Soil				
4	Fire Training Area/NA				
5	Pit/Tank Area/Soil				
6	Aquifer/GW	●	●	F	F
7	Aquifer/GW	●	●	F	F
8	Aquifer/GW	●	●	Y	Y
9	Interim Action for OU 6	●	●	Y	Y
10	Storage/Soil				
11	Storage Area/ Soil				
12	Storage Building/Soil				
13	AST Area/Soil	●	●		F
PX	Fuel Storage&Dispensing	●	●		Y

● Opportunity to optimize

DSCR ERP Recommendations

OU	Site Type	Established Contaminant Trend Tracking	Tracking System Effectiveness	Availability of Current Costs	CTC STC
1	Storage Area/ Soil			NO	
2	Storage Area Soil&GW			NO	●
3	Maintenance Area/Soil			NO	
4	Fire Training Area/NA			NO	
5	Pit/Tank Area/Soil			NO	
6	Aquifer/GW	●	●	NO	●
7	Aquifer/GW	●	●	NO	●
8	Aquifer/GW	●	●	NO	●
9	Interim Action for OU 6	●	●	NO	●
10	Storage/Soil			NO	
11	Storage Area/ Soil			NO	
12	Storage Building/Soil			NO	
13	AST Area/Soil			NO	●
PX	Fuel Storage&Dispensing	●	■	NO	

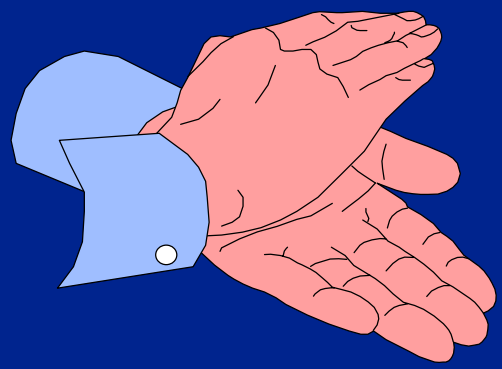
● Opportunity to optimize ■ Low ROI Opportunity

RSV Team Recommendations

- Creation of Decision Trees that establish a clear strategy for RA-O and LTM
- Enhanced Bioremediation & Phytoremediation assessment
- Optimize Groundwater Extraction System
- Create a Sound CTC and STC

DSCR
RSV Final Report

- Final Report to be Delivered by 24 October 2000
- Follow-on Recommendations:
  - Provide guidance to DSCR on how to implement decision rules and alternate site closure criteria within the context of CERCLA and other applicable regulations.
  - Schedule RPO Phase II evaluations for:
    - OUs 2, 7, 8, 9, and PX Station
  - Develop and implement STC and CTC for one OU as example



We Thank You for Your Support & Hospitality

Frank Dipofi