DSCR

DLA's Lead Center For Aviation Support

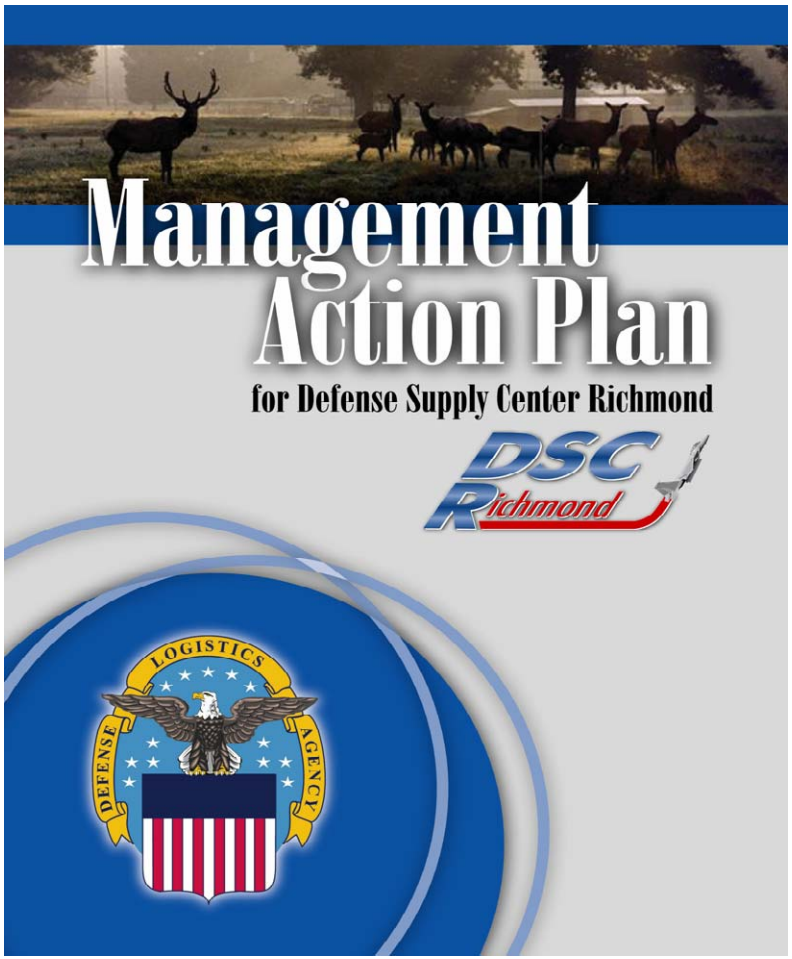
ENVIRONMENTAL RESTORATION PROGRAM

DSCR's Management Action Plan

8 August 2005

Restoration Advisory Board Meeting

What is a Management Action Plan?



The Management Action Plan or "MAP" is a key document for managing the environmental restoration at DSCR.

- Used to identify environmental restoration requirements
- Serves as basis for planning, budget development, and execution

What information is in the MAP?

DSCR's MAP includes:

- Environmental restoration history
- Current Operable Unit (OU) status
- Relative risks
- Constituents
- Identified environmental restoration requirements

What information is in the MAP?

DSCR's MAP includes:

- The technical approach for characterization and remedial activities
- Prior and current year funding
- Estimates of future costs
- Milestones, goals, and schedules

Environmental Restoration History

Environmental Restoration History

DSCR – DSERTS SITE 028
OPEN STORAGE AREA: OU 1

SITE DESCRIPTION

The OSA (OU 1) is a 45-acre site in the central portion of the installation (Figure 4). The OSA was formerly used to store bulk, drummed chemicals; recover liquids from leaking drums (recoupment); and repair and replace damaged containers. Currently, the area is used to store empty compressed gas cylinders and vessels, electrical transformers, fire extinguishers, and other miscellaneous items. The soils in the vicinity of the recoupment area are stained from past spills, as are soils in other locations around OU 1. Three known spills of the pesticide Malathion occurred between 1977 and 1980. Groundwater beneath and downgradient from OU 1 is treated separately as OU 6.

The RI was submitted in 1990 and the FS in 1991. The constituents of concern were determined to be PAHs, VOCs, pesticides, and metals in soil. The human health risk assessment determined acceptable risk to on-site industrial workers, contingent upon continued industrial land use.

An interim ROD addressing the OSA soils was signed in 1992. The recommended final response action was LUCs, including access restrictions to mitigate risk and assessments prior to activities disturbing soil deeper than 6 inches. Five-year reviews in 1997 and 2003 recommended continued enforcement of LUCs and determined the interim remedy to be protective of direct exposure to OU 1 soils. In 2004, soil vapor samples were collected as part of the supplemental FS at OU 6 to evaluate the protectiveness of the interim remedy at OU 1 via the vapor intrusion pathway. No CVOCs were detected in the analyses.

PATH FORWARD

The human health risk assessment will be revised for industrial worker exposure scenarios and updated risk assessment guidance, and vapor intrusion. The ROD is expected to be finalized in 2006, at which point RC will be obtained. Five-year reviews of the ROD will continue and will include a protectiveness determination of the LUCs for direct exposure to soil and vapor intrusion into the buildings.

IRP STATUS	
RRSE Rating:	Not Evaluated (Remedy in Place)
Constituents:	PAHs, VOCs, pesticides, metals
Affected Media:	Soil
Completed IRP Phases:	PA, SI, RI/FS
Current IRP Phase:	LTM
Future Phase:	RC

Current OU Status

OU 12 IRP STATUS	
RRSE Rating:	Low Risk
Constituents:	Arsenic
Affected Media:	Soil, Storm Sewer Sediment
Completed IRP Phases:	PA, SI
Current IRP Phase:	RI/FS
Future Phase:	RD, RA-C, RC, LTM

Media - Specific environments--air, water, soil--which are the subject of regulatory concern and activities.

Relative Risks, Constituents, Environmental Restoration Requirements, Characterization, and Remedial Activities

DSCR – DSERTS SITE 014
BUILDING 112: OU 12

SITE DESCRIPTION

OU 12 consists of the vadose-zone soils associated with former Building 112, a pesticide storage and mixing facility in the southwest portion of the installation (Figure 5). Pesticide equipment was also filled and cleaned after use on a covered concrete pad on the south side of the building. A barbed-wire-topped chain-link fence surrounds the former building site and adjoining gravel lot. Building 112 was demolished in July 2004.

An RI consisting of groundwater, soil, and storm sewer sediment sampling was completed in 1998. Surface soils contained arsenic, DDT, chlordane, and heptachlor above background and above the USEPA Region 3 RBC for residential exposure. Arsenic was also detected in subsurface soil. Groundwater results indicated that there was negligible migration from soils. Chlordane was detected in storm sewer sediment samples downgradient of Building 112 as a result of overland runoff.

Based on risk assessment results for residential receptors, an FS was completed in 1999. The risk assessment and the FS were updated in January 2005 to reflect the planned industrial reuse of the site.

PATH FORWARD

The Proposed Plan has been completed. A low-permeability cover system and LUCs comprise the preferred alternative.

The ROD and RD are scheduled for 2005, followed by RA in 2006. RC is expected in 2011, with LTM to continue after RC.

IRP STATUS	
RRSE Rating:	Low Risk
Constituents:	Arsenic
Affected Media:	Soil, Storm Sewer Sediment
Completed IRP Phases:	PA, SI
Current IRP Phase:	RI/FS
Future Phases:	RD, RA-C, RC, LTM

Operable Unit 12

Remedial Activities

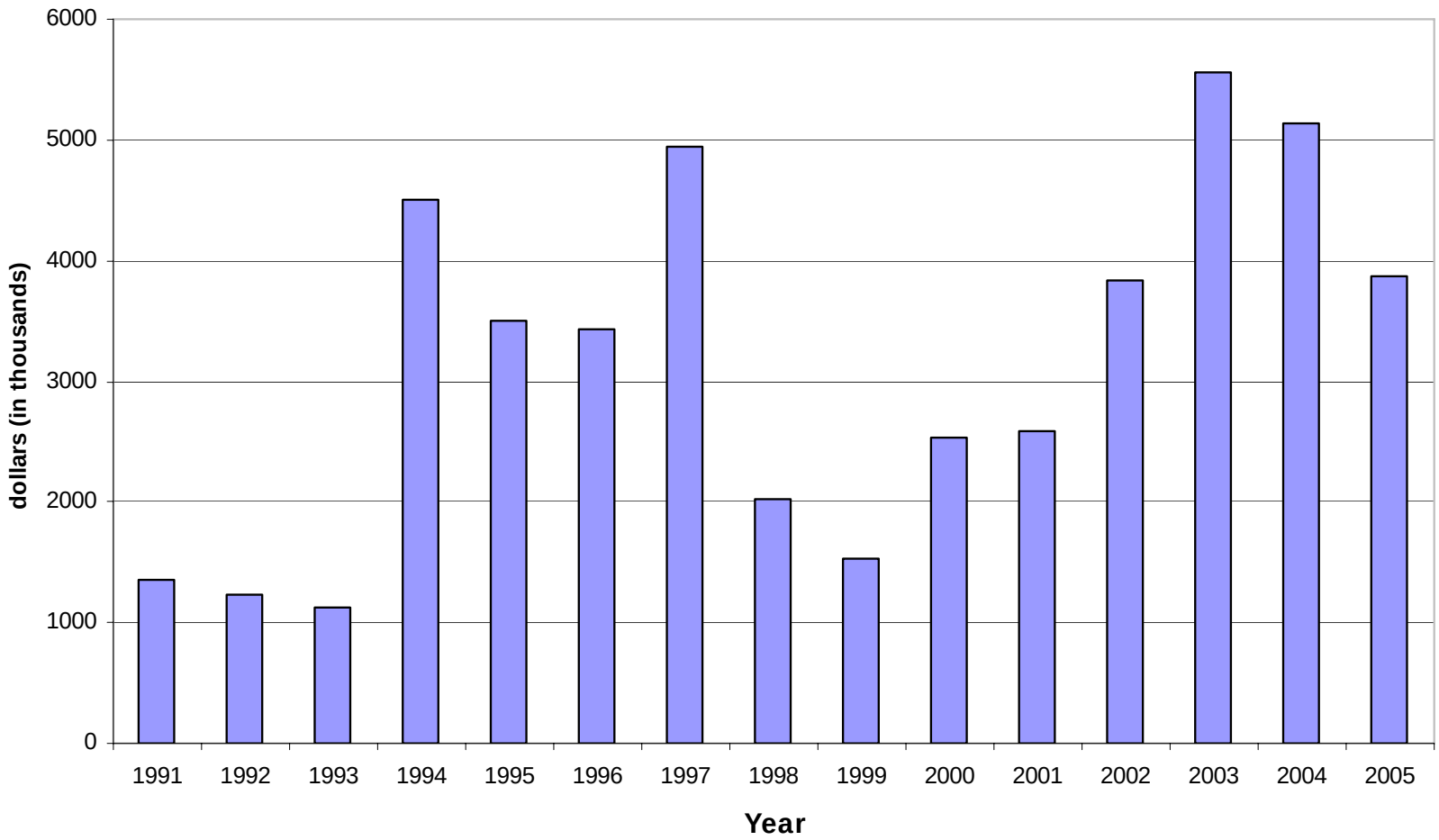
Relative Risks

Constituents

Characterization

Environmental Restoration Requirements

Prior and Current Year Funding

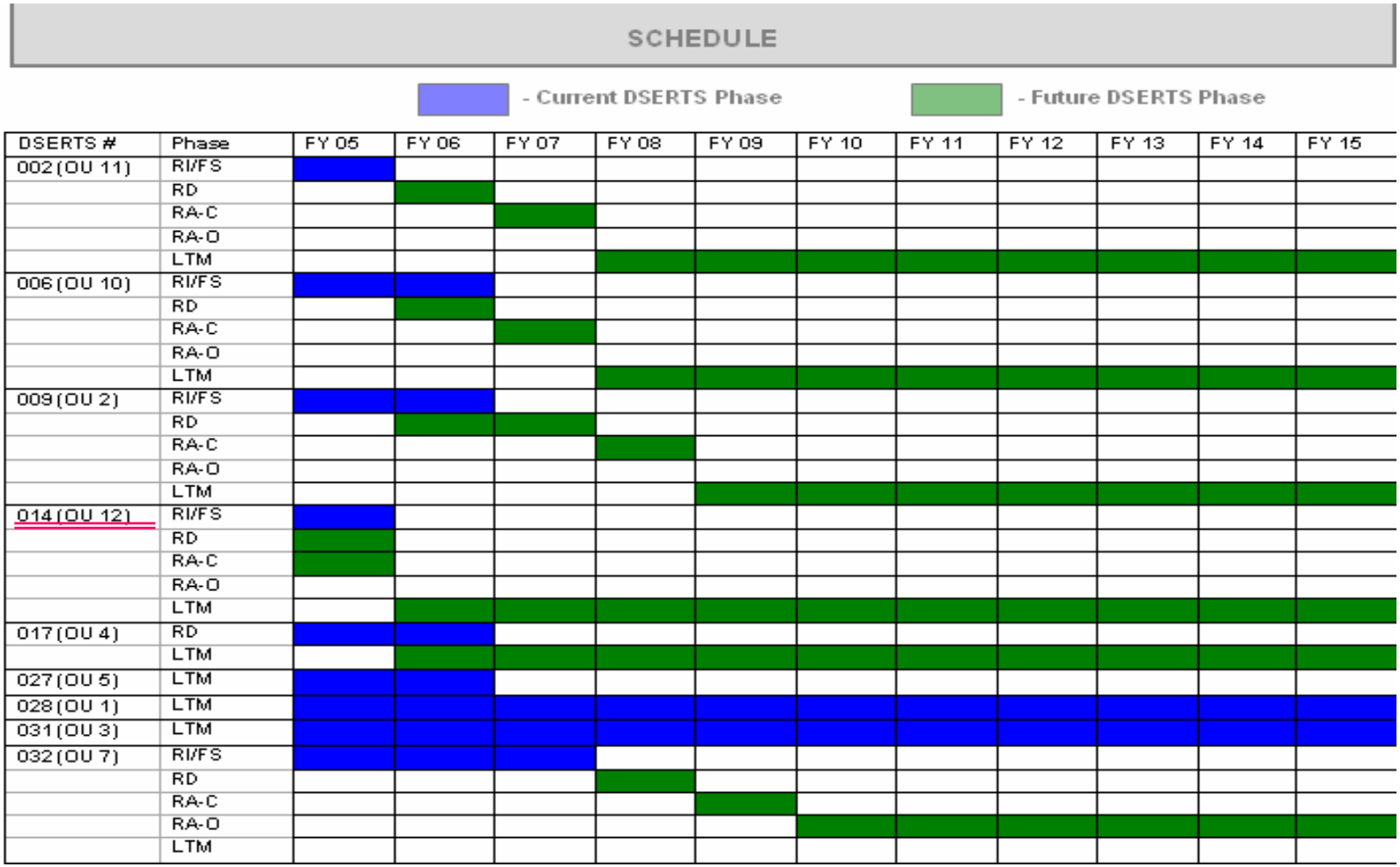


Estimate of Future Costs

FY06	**$4,113,000**
FY07	**$6,163,000**
FY08	**$2,981,000**
FY09	**$3,003,000**
FY10	**$1,010,000**
FY11	**$999,000**

FY= Federal Fiscal Year (Oct-Sept)

Milestones, Goals, Schedules



DSERTS #	Phase	FY 05	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15
002 (OU 11)	RI/FS											
	RD											
	RA-C											
	RA-O											
	LTM											
006 (OU 10)	RI/FS											
	RD											
	RA-C											
	RA-O											
	LTM											
009 (OU 2)	RI/FS											
	RD											
	RA-C											
	RA-O											
	LTM											
014 (OU 12)	RI/FS											
	RD											
	RA-C											
	RA-O											
	LTM											
017 (OU 4)	RD											
	LTM											
027 (OU 5)	LTM											
028 (OU 1)	LTM											
031 (OU 3)	LTM											
032 (OU 7)	RI/FS											
	RD											
	RA-C											
	RA-O											
	LTM											

Who updates the MAP?

DSCR revises the MAP

- **Stakeholders - USEPA, VDEQ, and DSCR RAB are invited to review and contribute**
  - **Please Send Comments to Kim Turner**
    - Kimberly.Turner@dla.mil
    - Fax Number: 804-279-6084
- **The MAP will be maintained in DSCR's Administrative Record**

Thank You!

Questions?