Objective: identify and remove sources that may be contributing to NPDES exceedances in two watersheds.

Location: Outfall 008 and 009 watersheds.
Project Milestones

Dec 3, 2008  - Clean-up & Abatement Order Issued

Feb 13, 2009  - Preliminary ISRA Work Plan Submitted

May 1, 2009  - Final ISRA Work Plan Submitted

Jul 7, 2009  - ISRA Work Plan Approved

Aug 20, 2009  – All Supporting Plans and Permits Approved & Work Began

Dec 22, 2009  – Planned Work for 2009 To Be Completed on Schedule
Agency & Community Involvement

- Weekly planning meetings with DTSC, LARWQCB, Ventura County, NASA and Expert Panel

- 32 Site inspections by LARWQCB/DTSC/Ventura (about 50% of the field work)

- Site tour of Outfall 008 by members of the public (Sep 23)

- Internet posting of all major documents and status reports –

Expert Panel Involvement

- Provided input into planning documents
- Conducted field visits prior to and during work
- Supported restoration activities - prepared containerized planting plan and supervised implementation
- Providing input for performance monitoring plan
Accomplishments to Date – Outfall 008 – Post Excavation

Outfall 008 ISRA COCs – lead, copper, and dioxins
- Ten excavation areas
- Removal volume ~ 5,000 cubic yards
Outfall 008 ISRA Pre-Field Work

RWQCB participating in job walk

Slope and Flat Work

Drainage work

Oak Tree and Santa Susana Tar Plant
Outfall 008 – Field Work in Progress

Water used to suppress dust during removal
Outfall 008 – Unanticipated Feature
Septic Tank Removal

Agency cooperation and timely direction avoided schedule impact.
Soil wrapped and trucks tarped to prevent dust.
Outfall 008 – Pre-Rain Measures

HVS-1

HVS-2A
Outfall 008 ISRA Areas – Re-contoured and Hydroseeded
Accomplishments to Date
Outfall 009 – Northern Drainage

Other Boeing Actions in Outfall 009
• Ongoing cleanup in Northern Drainage under DTSC oversight
• Storm water culverts upgraded to promote sediment settling

~9000 cy soil removed
Next Steps Forward

- Continue restoration effort to promote soil stabilization and minimize sediment migration during vegetation recovery period over the next few years
- Implement a performance monitoring plan to verify progress made by ISRA activities
- Prepare 2010 ISRA Work Plan Addendum for continued efforts in Outfall 009
- Continue ISRA actions per approved plan and conduct performance monitoring through 2012