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Los Alamos
NATIONAL LABORATORY
memorandum

Environmental Restoration Project
EM/ER

To/MS: Steve Rae, ESH-18, MS K497
From/MS: Julie Canepa, EM/ER, MS M992
Phone/FAX: 7-0819/5-4747 *James M. Ray Jr*
Symbol: EM/ER:99-009
Date: January 20, 1999

1 • 11/10/98 • 6.4.98

**SUBJECT: STATUS OF COMPLETION OF THE SURFACE WATER
ASSESSMENT TEAM (SWAT) RECOMMENDATIONS**

We are in receipt of your memo dated November 18, 1998 entitled "Status of Completion of the Surface Water Assessment Team (SWAT) Recommendations." The following is a status of actions completed to date as well as actions to be completed and a tentative schedule of completion for those actions.

During 1998, the SWAT has evaluated over 150 PRSs which scored greater than 55 on the Surface Water Site Assessments. Recommendations from the SWAT have included a wide range of subjects including sample collection, reprioritization, debris removal, and the installation of erosion/sediment control related Best Management Practices (BMPs). A good faith effort has been made to consider these recommendations as we complete our project road mapping and baseline activities.

In 1998, we completed the installation of BMPs at approximately 75% of the sites where SWAT recommendations have been made. Most of the remaining sites are scheduled for completion in the Spring of 1999. A tracking system for the inspection and maintenance of project BMPs is in place, and specific personnel have been assigned as "points of contact" for each Focus Area. Steve Veenis is leading the effort with these personnel to assure that all sites are properly inspected, maintained and documentation is provided.

We remain committed to the SWAT process and will continue to support the effort in the future. We look forward to meeting with members of your staff after you have had a chance to review this submittal. Please ask your office to contact Dave McInroy at (505) 667-0819, if you have any questions.

JC/SV/gt

Attachment: Status of Actions

- Cy (w/ att.):
- M. Alexander, ESH-18, MS K497
- B. Enz, LAAO, MS A316
- J. Mose, LAAO, MS A316
- W. Neff, CST-7, MS M992
- RPF, MS M707

Received by ER-RPF
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Mr. Steve Rae
EM/ER:99-009

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January 19, 1999

Cy (w/o att.):

T. Baca, EM-DO, MS J591
D. Daymon, EES-13, MS M992
D. Erickson, ESH-DO, MS K491
T. George, EM/ER, MS M992
D. McInroy, EM/ER, MS M992
A. Pratt, EES-13, MS M992
T. Taylor, LAAO, MS A316
S. Veenis, ESH-18/ER, MS K497
J. Vozella, LAAO, MS A316
EM/ER File, MS M992

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 0-019

PRS:	0-019		
SWAT Meeting Date:	2/4/1998	FMU Contact:	Edward Hoch
Official Submittal Date:	6/2/1998	ER Contact:	Terry Rust
Constituent Data:	Yes	Erosion Matrix:	51.5

General SWAT Comments:

Decommissioned Central WWTP located west of East Park tennis courts in townsite. All structures have been removed except pump house and subsurface piping. Site currently used as storage area by LA County. Site proposed for Phase III/VCA in FY98 may be postponed until FY99.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Recommend that VCA for site not be postponed past FY99.	ER

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Schedule will be evaluated for funding of this VCA in FY 1999.	ER	FY00	

INSPECTION & MAINTENANCE INFORMATION

<p>Description of Existing BMPs from Erosion Assessment</p> <div style="border: 1px solid black; padding: 5px;">Earthen/asphalt berm is located on the northern edge of the site to divert sheet flow runoff into the adjacent canyon</div>	<p>Tabular List of BMPs:</p> <div style="border: 1px solid black; padding: 5px;">earth berm</div>
Frequency: <input style="width: 50px;" type="text"/>	Contact: <input style="width: 50px;" type="text"/> Mary Jane Winch
	Records Held: <input style="width: 50px;" type="text"/> Pueblo Complex

General Comments:

Inspections are not currently being performed.

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 1-001(c)

PRS:	<input type="text" value="1-001(c)"/>		
SWAT Meeting Date:	<input type="text" value="2/4/1998"/>	FMU Contact:	<input type="text" value="Edward Hoch"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Constituent Data:	<input type="text" value="Yes"/>	Erosion Matrix:	<input type="text" value="38"/>

General SWAT Comments:

Hillside 137 and Aggregates G & E (DU 1078 Work Plan) within townsite near Los Alamos Canyon. In 1976, 10,000 cu yd of material was removed and clean backfilled at the site. Commercial properties have since been built on site including the LA Inn and ERM Office. Recent construction has redirected and increased storm water flows to the western boundary of the aggregates. Severe gully erosion is occurring down slope from these new discharges. AIP staff collected surface water and soil samples at bottom of drainage immediately above confluence of Los Alamos Creek and found detectable Pu-239 (15 pCi/g). Although the original sources of contamination have been removed, contamination appears to exist on the slope and bench settings below the site.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

The PRS assessed included septic discharge pipe location and did not include all of the aggregate G & E locations. The severe gully erosion observed below site is not directly attributable to 1-001(c).

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Provide sample (D/sample location information to NMED.	ER
Item:	2 Consider re-routing or diverting culvert discharges from southwest corner of ERM office off of contaminated slope.	DOE
Item:	3 Provide flow dissipation controls within severe gully erosion channels (i.e., tree branches, rocks)	DOE
Item:	4 Consider sediment migration controls at toe of slope to impede potential migration of sediments into LA Creek.	DOE
Item:	5 Coordinate with LA County/DOE to assure that future construction will not impact PRSs located on slopes below townsite.	DOE

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Information previously submitted to NMED (also in RFI report) Waiting for response from NMED	ER	FY98	10/98
Item:	2 Culvert is on private property, a plan and schedule has been developed that includes addressing the culvert. It is awaiting a DOE determination on policy development for private property impact to DOE property.	DOE	FY99	
Item:	3 A plan and schedule have been developed, it is awaiting a DOE determination on policy development for private property impacts to DOE property.	DOE	FY99	
Item:	4 A plan and schedule have been developed, it is awaiting a DOE determination on policy development for private property impacts to DOE property.	DOE	FY99	
Item:	5 This issue is before the community outreach function of the Regulatory Compliance Focus Area.	DOE	FY98	11/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input type="text"/>	Contact: <input type="text" value="Mary Jane Winch"/>
	Records Held: <input type="text"/>

General Comments:

ER has contacted FMU-80 and is working with the DOE and LA County through the SWMU Working Group to resolve these issues. No BMPs have been installed to-date.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 1-001(d)**

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PRS:	<input type="text" value="1-001(d)"/>	FMU Contact:	<input type="text" value="Edward Hoth"/>
SWAT Meeting Date:	<input type="text" value="11/10/1997"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	Erosion Matrix:	<input type="text" value="74.5"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Known as Hillside 138, had a Remedial Action completed in August of 1996. 20 cu yds of soil contaminated with Hg and Pu were removed from the lower portion of the site. The site was reseeded and covered with jute matting, straw bale check dams were staked down slope of excavated areas and an earthen berm was built below the entire area. The excavated area now has zero discharge of surface water runoff from the site. The adjacent drainage, which also receives runoff from town-site areas above, is monitored for surface water quality at two locations.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Continued inspection & maintenance of existing BMPs.	ER
Item: 2	Fulfillment of 8 quarters of surface water monitoring requirement described in the Remedial Action Status Report for the site (January 1997)	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Continued inspection & maintenance of existing BMPs. Inspection and maintenance is ongoing.	ER	Ongoing	
Item: 2	Fulfillment of 8 quarters of surface water monitoring requirement described in the Remedial Action Status Report for the site. ESH-18 was tasked with installing the monitoring stations, ER will follow up with ESH-18 to ensure they were installed and are being operated.	ESH-18	Ongoing	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
BMPs include: Straw bales and jute matting on hillside, reseeded, earth berm with matting at edge of roadbed on bench. BMPs installed 5/31/96.

Tabular List of BMPs:

earth berm
mulching
seeding, permanent
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

The site is inspected on a monthly basis or after rainfall events greater than .5 inches. The surface water monitoring requirements described in the Remedial Action Status Report (Jan 97), began in October 1996

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 1-001(f)**

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PRS:	1-001(f)	FMU Contact:	Edward Hoth
SWAT Meeting Date:	2/4/1998	ER Contact:	Terry Rust
Official Submittal Date:	6/2/1998	Erosion Matrix:	56.7
Constituent Data:	Yes		

General SWAT Comments:

Hillside 140 and Aggregates C & D (OU 1078 Work Plan) within townsite near Los Alamos Canyon. Interim Action performed in 1996 to remove elevated hot spots of Uranium "hot spots" using FIDLER. Geomating, reseeding and straw bales were placed to reduce erosion potential at site. In 1997, trees were removed near the site as part of the Fire Risk Management efforts. The site was re-evaluated and found to have caused no further impacts to erosion potential.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Maintain current BMPs for inspection.	ER

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 BMPs will be inspected with ESH-18 and maintained as needed	ER	Ongoing	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
BMPs in place: reseeding, jute mat, straw bale check dams. Site appears stable. Located near a storm water monitoring location E 030. Hillside 140. BMPs installed 9/30/94.

Tabular List of BMPs:

covering, poly-jute
mulching
seeding, permanent
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

Requested that NMED review and respond to RFI Report, VCA Report and the submittal of supplemental information provided in 1996 prior to proposing additional actions at this site.

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 1-003(a)

PRS:	1-003(a)	FMU Contact:	Edward Hoth
SWAT Meeting Date:	2/19/1998	ER Contact:	Terry Rust
Official Submittal Date:	6/2/1998	Erosion Matrix:	79
Constituent Data:	No		

General SWAT Comments:

Known as Bailey's Bridge Landfill, located on a hillside south of Loma Vista Drive in Los Alamos. The area was used for the disposal of demolition debris in 1964. Suspected radioactive contaminated concrete from floors and walls of the Sheet Metal Shop and other surrounding buildings. Run-on discharges directly onto site from a culvert near existing condominiums. The site has been risk assessed for residential and recreational uses and has been proposed for NFA. The site is remote and very difficult to access.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 The Part A form stated that no sample information exists, but a determination was made that data does exist for (Aggregate B) location. NMED/SWQB representative suggested that surface water data from the site will be needed to get an NFA for surface water concerns.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 This data will be compiled and provided. Data has been provided to ESH-18 for revision of Part A. Surface water data needs will have to be evaluated and determined with NMED/SWQB, schedule and budget developed, and a sampling plan written and approved. This is unlikely to be completed in FY 98.	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input type="text"/>	Contact: <input type="text" value="Mary Jane Winch"/> Records Held: <input type="text" value="Pueblo Complex"/>

General Comments:

Terry Rust will provide the requested data.

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 1-003(e)

PRS:	1-003(e)	FMU Contact:	Edward Hoth
SWAT Meeting Date:	2/19/1998	ER Contact:	Terry Rust
Official Submittal Date:	6/2/1998	Erosion Matrix:	83
Constituent Data:	Yes		

General SWAT Comments:

Surface disposal area southeast of the LA Inn and immediately above Hillside 138, PRS 1-001(d). Misc. construction debris and rubble are found throughout the hillside directly below the culvert which directs surface water away from area business. No information is available regarding history of the disposal area, or whether it was contaminated with radioactivity.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Since HS 138 PRS is already being monitored for surface water concerns, it was recommended that the parameter list for the monitoring effort be expanded to assure no COPCs are migrating from 1-003(e).	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	This was part of the ESH-18 tasking for HS 138, ER will follow up with ESH-18	ESH-18	Ongoing	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input style="width: 100px;" type="text"/>	Contact: <input style="width: 100px;" type="text" value="Mary Jane Winch"/> Records Held: <input style="width: 100px;" type="text" value="Pueblo Complex"/>

General Comments:

Site proposed for NFA in 1996. Parameter list should include: metals, gross alpha, gross beta and tritium for surface water sampling.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 2-011(a)**

PRS:	2-011(a)	FMU Contact:	Sara Helmick
SWAT Meeting Date:	9/30/1998	ER Contact:	Danny Katzman
Official Submittal Date:	10/1/1998	Erosion Matrix:	57
Constituent Data:	Yes		

General SWAT Comments:

Storm drains from building 2-1, former Omega West Reactor labeled as (H-1). Several discharge directly into Los Alamos Canyon. One sample of concern (0402-95-0325) shows a liquid matrix containing Ba, Sr, Pu and other radionuclides collected within the drainage channel.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Follow up with more details on samples collected to-date	ER
Item: 2	Provide information on the schedule for D&D activity for this site	ER
Item: 3	Develop SWPPP once D&D activity begins	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Sample 02-1156 was a rinsewater sample from sampling equipment. No additional samples were collected.	ER	Oct 98	12/98
Item: 2	ER investigation will begin in FY2004 with D&D activities beginning in FY2005	ER	Nov 98	12/98
Item: 3	SWPPP will be develop when D&D begins	ER/ESH-18	?	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

Frequency Contact Roy Bonn Records Held:

General Comments:

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**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 3-010(a)**

PRS:	<input type="text" value="3-010(a)"/>	FMU Contact:	<input type="text"/>
SWAT Meeting Date:	<input type="text" value="1/21/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="69"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Area of waste oil spill has been excavated, revegetated and stabilized. Some evidence of rill erosion occurring on remediated slope. Have not received NOD response from NMED to date.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Address rill erosion on remediated slope	ER
Item: 2	Verify extent of Hg migration downstream and provide appropriate BMPs if necessary	ER
Item: 3	Provide existing data collected in sediment and water samples within the stream channel	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Existing BMPs will be upgraded and maintained.	ER	9/98	9/98
Item: 2	Awaiting response to NOD response, which has recommendations for action to follow	NMED	asap	
Item: 3	Data provided by Lynda Hartman (LSH-EM/ER: 98-30)	ER	3/23/98	7/28/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Post remediation, BMPs have been installed at the site including poly-jute, straw bales, silt fence and reseeding efforts. BMPs installed 11/20/94. Additional BMPs were installed 9/98

Tabular List of BMPs:

covering, poly-jute
sandbags
seeding, permanent
silt fence
straw bale barrier

Frequency Contact Records Held:

General Comments:

Memo to file was delivered to S Veenis 7/28/98. Data was for sediment collected from the near by drainage channel

PRR - INFORMATION - 01/17/99

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 3-012(b)**

PRS:	3-012(b)	FMU Contact:	Gary Blauer
SWAT Meeting Date:	1/21/1998	ER Contact:	Gabriela Lopez-Escobed
Official Submittal Date:	6/17/1998	Erosion Matrix:	65
Constituent Data:	Yes		

General SWAT Comments:

TA-3 Power Plant NPDES outfall (01A). Co-located with operational releases from PRS 3-045(b) both southeast of 3-22

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 FM/ER coordination to hard armor outfall discharge area to minimize impacts of downstream monitoring. Straw bales in place do not provide adequate protection.	FM
Item: 2 Phase II sampling proposed.	ER
Item: 3 Modification of existing SWPP PLAN recommended.	FSS/JCI

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Need to hard armor will be evaluated depending on increase in flow volumes. FM will take lead.	FM	9/98	6/98
Item: 2 ER will work on Prioritizing Phase II sampling.	ER	FY01	
Item: 3 FM will modify the existing SWPP PLAN under JCI lead	FSS/JCI	FY98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Straw bales to reduce run-on velocity; sand bags to channel culvert outlet into Parshall flume. BMPs installed 6/30/96. FM has recently installed concrete outlet with flume and has assumed responsibility.

Tabular List of BMPs:

rock outlet protection
velocity dissipation device

Frequency: Contact: Records Held:

General Comments:

Hard armour BMPs have been installed by JCI in the summer of 1998

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 3-014(c2)**

PRS:	3-014(c2)	FMU Contact:	Gary Blauert
SWAT Meeting Date:	1/21/1998	ER Contact:	Gabnela Lopez-Escobed
Official Submittal Date:	6/17/1998	Erosion Matrix:	72
Constituent Data:	Yes		

General SWAT Comments:

Abandoned WWTP outfall located north of 3-166. Effluent flowed into channel about 50 feet before passing under gravel road, then down slope into Sandia Canyon. 3-014(c1) is included also.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Revisit site for appropriate BMP locations including sediment controls needed above access road (sediment trap?).	ER
Item: 2 Run-on diversion installed where possible.	FM
Item: 3 Sample (c1), location of former WWTF outfall for COPCs.	ER

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 ER will add sediment control at site with nrap to slow down flow.	ER	FY01	
Item: 2 ER will evaluate need for run-on	FM	FY99	
Item: 3 Sample remainder of PRS (c2) for COPCs	ER	FY01	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment		Tabular List of BMPs:	
Frequency	Contact	Records Held:	
	Mary Jane Winch		

General Comments:

Silt fence or straw bales may be installed earlier.

DATE: 11/13/99 9:17:04 AM

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 3-045(b)**

PRS:	3-045(b)	FMU Contact:	Gary Blauert
SWAT Meeting Date:	1/21/1998	ER Contact:	Gabriela Lopez-Escobed
Official Submittal Date:	6/17/1998	Erosion Matrix:	65
Constituent Data:	Yes		

General SWAT Comments:

3-012(b) TA-3 Power Plant NPDES outfall (01A). Co-located with operational releases from PRS 3-045(b) both southeast of 3-22.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 FM/ER coordination to hard armor outfall discharge area to minimize impacts of downstream monitoring. Straw bales in place do not provide adequate protection.	FM
Item: 2 Phase II sampling proposed	ER
Item: 3 Modification of existing SWPP PLAN recommended.	FM

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Need to hard armor will be evaluated depending on increase in flow volumes. FM will take lead.	FM	9/98	6/98
Item: 2 ER will work in Prioritizing Phase II sampling.	ER	FY01	
Item: 3 FM will modify the existing SWPPP under JCI lead.	FSS/JCI	FY98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Straw bales to reduce run-on velocity; sand bags to channel culvert outlet into Parshall flume. FM has recently installed concrete outlet and flume and has assumed responsibility for the site.

Tabular List of BMPs:

flow attenuation
rock outlet protection

Frequency: Contact: Records Held:

General Comments:

Hard armour BMPs have been installed by JCI in summer of 1998.

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Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 3-045(c)

PRS:	<input type="text" value="3-045(c)"/>		
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	FMU Contact:	<input type="text" value="Edward Horn"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobedo"/>
Constituent Data:	<input type="text" value="No"/>	Erosion Matrix:	<input type="text" value="59.3"/>

General SWAT Comments:

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Verify implementation of hard armour BMPs	ESH-18/FM
Item:	2 Verify modification of existing SWPPP to reflect current status of site.	ESH-18/FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Will verify implementation of hard armour BMPs	ESH-18/FM	Oct 98	12/98
Item:	2 Will modify existing SWPPP to reflect current status of site	ESH-18/FM	Oct 98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Frequency Contact

Tabular List of BMPs:

Records Held:

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 3-045(g)

PRS:
 SWAT Meeting Date: FMU Contact:
 Official Submittal Date: ER Contact:
 Constituent Data: Erosion Matrix:

General SWAT Comments:

Valved detention basin collects local runoff from asphalt batch plant area. NPDES outfall 04A109 which is connected to outfall was plugged (need information when?)

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Recalculate AP 4.5 Part B based on new information.	ESH-18
Item: 2	Permanently plug outfall.	FM
Item: 3	Update existing operational SWPPP.	FSS-8

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Recalculate AP 4.5 score.	ESH-18	FY98	1/23/98
Item: 2	Administratively lockout/tagout	FM	FY98	FY98
Item: 3	FM will modify SWPPP	FSS-8	FY98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
 Detention area collects local runoff which allows for natural attenuation. A locked valve is present as a discharge mechanism, but has not been used.

Tabular List of BMPs:

Frequency: Contact: Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 3-054(b)**

PRS:	<input type="text" value="3-054(b)"/>	FMU Contact:	<input type="text" value="John Stephenson"/>
SWAT Meeting Date:	<input type="text" value="1/21/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="65.8"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

NPDES permitted outfall 03A009 also has area storm water connections from building 3-39 area. PRSs 3-052(a & v) are other sources that may or may not impact the outfall.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Maintain existing cattail area below outfall	FM
Item: 2	Revisit site below road to assess erosion potential and recommend BMPs if needed	ESH-18
Item: 3	Provide existing storm water data from 1991-92	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Cattail area will be maintained.	FM	TBD	
Item: 2	Revisit site to assess need for BMP below cattail area	ESH-18	FY98	
Item: 3	Storm water data will be provided.	ESH-18	FY98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
<input type="text" value="Cattail area below outfall provides a natural filter for discharges coming from end of pipe."/>	<input type="text" value="retention structure/artificial wetland"/>

Frequency Contact Records Held:

General Comments:

SWAT - 01/06/99 - 01:14

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 3-054(e)**

PRS:	3-054(e)	FMU Contact:	Theresa Culi
SWAT Meeting Date:	1/21/1998	ER Contact:	Gabriela Lopez-Escobed
Official Submittal Date:	6/17/1998	Erosion Matrix:	59
Constituent Data:	Yes		

General SWAT Comments:

Active NPDES outfall 03A021 from sources within CMR Building (3-29). PRS C-3-005, a one-time release of radioactive liquid waste in 1974 was remediated. 142 cubic feet of material was removed.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Flow dissipaters recommended/ No ER action required.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	No ER action required. FM responsibility.	FM	N/A	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Gabion to support culvert.	gabions
Frequency: <input type="text"/> Annual <input type="text"/> Contact: <input type="text"/>	Records Held: <input type="text"/>

General Comments:

Mike A to follow up on Actions Proposed #1.

FORM 101 OF 183

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 3-055(a)

PRS:	<input type="text" value="3-055(a)"/>		
SWAT Meeting Date:	<input type="text" value="1/21/1998"/>	FMU Contact:	<input type="text" value="Larry Rowton"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Constituent Data:	<input type="text" value="Yes"/>	Erosion Matrix:	<input type="text" value="61"/>

General SWAT Comments:

Inactive building 3-16, with connected roof drains still active. No visible erosion observed.

Date of Part 8 Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 NFA for criteria #2 appears adequate based on knowledge of process for the site	ER
Item: 2 Revisit/recalculate erosion assessment score.	ESH-18

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Waiting for NMED response to latest revision.	NMED	FY 98	
Item: 2 Will revisit	ESH-18	FY 98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input type="text"/> Contact: <input type="text"/>	Records Held: <input type="text"/>

General Comments:

No erosion was observed at original site visit

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 4-003(a)**

PRS:	<input type="text" value="4-003(a)"/>	FMU Contact:	<input type="text" value="Edward Hoth"/>
SWAT Meeting Date:	<input type="text" value="9/30/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="10/1/1998"/>	Erosion Matrix:	<input type="text" value="57.3"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Inactive photoprocessing outfall and associated buildings. Former site buildings were removed in 1956. Portion of PRS is located at the edge of mesa within a drainage channel from outfall discharges. Recent samples have been collected and the data is pending. COPCs include radionuclides.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Evaluate pending data and consider erosion/sediment controls where appropriate.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Data received 12/98, an evaluation will be completed and forwarded to the SWAT for future recommendations	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment		Tabular List of BMPs:	
Frequency	<input type="text"/>	Contact	<input type="text"/>
		Records Held:	<input type="text"/>

General Comments:

PRN - 0100000 - 001

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 4-004**

PRS:	4-004	FMU Contact:	Edward Hott
SWAT Meeting Date:	9/30/1998	ER Contact:	Gabriela Lopez-Escobed
Official Submittal Date:	10/1/1998	Erosion Matrix:	57.3
Constituent Data:	Yes		

General SWAT Comments:

Inactive photoprocessing outfall and associated buildings. Former site buildings were removed in 1956. Portion of PRS is located at the edge of mesa within a drainage channel from outfall discharges. Recent samples have been collected and the data is pending. COPCs include radionuclides.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Evaluate pending data and consider erosion/sediment controls where appropriate.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Data received 12/98, an evaluation will be completed and forwarded to the SWAT for future recommendations.	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

Frequency Contact Mary Jane Winch Records Held:

General Comments:

PRR - 0000000000 - 000000

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 5-001(c)**

PRS:	<input type="text" value="5-001(c)"/>	FMU Contact:	<input type="text" value="Edward Roth"/>
SWAT Meeting Date:	<input type="text" value="7/28/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="8/3/1998"/>	Erosion Matrix:	<input type="text" value="80"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Abandoned, historical firing site used in 1940s, located in tributary to Mortandad Canyon near border with San Ildefonso Pueblo. Contaminants include Cu, U; investigation did not include area of potential contamination beyond LANL boundary. Erosion score is high due to location (drainage basin) and erosion observed (gully draining from firing crater).

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Steve Veenis and Gabriela Lopez-Escobed visited site on 8/3/98. Sites were selected for appropriate BMPs including silt fencing, straw bale check dams, run-on diversion and potentially detention area.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Revisit site to determine appropriate erosion controls for drainage.	ER/ESH-18
Item: 2	Implement appropriate BMPs	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Site was revisited and appropriate BMPs were recommended.	ER/ESH-18	FY98	8/98
Item: 2	BMPs have been installed at locations selected.	ER	FY99	12/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Jute matting, run-on diversion and straw bale barriers were installed within drainage channel below site in 12/98 by SAIC. See file for photo documentation.

Tabular List of BMPs:

1 covering, poly-jute
1 run-on diversion
1 straw bale barrier

Frequency Contact Records Held:

General Comments:

03/19/99 10:00 AM

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 9-013

PRS:	9-013		
SWAT Meeting Date:	11/20/1998	FMU Contact:	Franco Sineros
Official Submittal Date:	12/1/1998	ER Contact:	Don Hickmott
Constituent Data:	Yes	Erosion Matrix:	S6

General SWAT Comments:

Site remediated in 1996, but final stabilization has not been achieved to-date. A variety of BMPs have been implemented with some success.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:	
Item:	1	Improve and maintain existing BMPs to reduce the amount of sediment transport at site.	ER
Item:	2	Assess soil conditions with ESH-20 support to improve future re-seeding efforts.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1	Additional improvements have been scheduled including silt fencing, earth berm and re-seeding	ER	FY99
Item:	2	Consultation with ESH-20 will be done for re-seeding efforts.	ER	FY99

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Revegetated, berm and straw bales placed for sediment transport controls. BMPs installed 8/31/98.

Tabular List of BMPs:

earth berm
seeding, permanent
silt fence
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 10-003(a)

PRS:	<input type="text" value="10-003(a)"/>		
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	FMU Contact:	<input type="text" value="Edward Hoth"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Constituent Data:	<input type="text" value="Yes"/>	Erosion Matrix:	<input type="text" value="59.2"/>

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: <input type="text" value="1"/>	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse.	<input type="text" value="ER"/>
Item: <input type="text" value="2"/>	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	<input type="text" value="ER"/>

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: <input type="text" value="1"/>	Adequate maps will be provided.	ER	Oct 98	
Item: <input type="text" value="2"/>	ER Plan will be discussed and provided asap	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
 Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

1 sandbags
2 silt fence
3 straw bale barrier

Frequency: Contact: Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 10-003(b):**

PRS:	<input type="text" value="10-003(b)"/>	FMU Contact:	<input type="text" value="Edward Hoth"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="59.2"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse	ER
Item: 2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Adequate maps will be provided	ER	Oct 98	
Item: 2	ER Plan will be discussed and provided asap	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Sand bags and straw bales placed up-lope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

sandbags
silt fence
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

C:\PR\1000303\019198

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 10-003(c)**

PRS:	<input type="text" value="10-003(c)"/>	FMU Contact:	<input type="text" value="Edward Hoth"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="S9.2"/>
Constituent Date:	<input type="text" value="No"/>		

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse.	ER
Item: 2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Adequated maps will be provided.	ER	Oct 98	
Item: 2	ER Plan will be discussed and provided asap	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Sand bags and straw bales placed up-lope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

Isandbags
Isilt fence
Istraw bale barrier

Frequency: Contact: Records Held:

General Comments:

SWAT - 10/003(c) - 04/98

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 10-003(d)

PRS:	10-003(d)	FMU Contact:	Edward Hoth
SWAT Meeting Date:	8/18/1998	ER Contact:	Terry Rust
Official Submittal Date:	9/23/1998	Erosion Matrix:	59.2
Constituent Data:	No		

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse	ER
Item:	2 Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Adequate maps will be provided.	ER	Oct 98	
Item:	2 ER Plan will be discussed and provided asap	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

sandbags
silt fence
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 10-003(e)**

SWAT - 11/10/99 - 10:00 AM

PRS:	<input type="text" value="10-003(e)"/>	FMU Contact:	<input type="text" value="Edward Hoth"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="59.2"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse	ER
Item: 2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Adequate maps will be provided	ER	Oct 98	
Item: 2	ER Plan will be discussed and provide asap	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
 Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted BMPs installed 3/31/97

Tabular List of BMPs:

1 sandbags
1 silt fence
1 straw bale barrier

Frequency: Contact: Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 10-003(f)**

PRS:	<input type="text" value="10-003(f)"/>	FMU Contact:	<input type="text" value="Edward Hoth"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="59.2"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse	ER
Item: 2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Adequate site maps will be provided	ER	Oct 98	
Item: 2	ER plan will be discussed and provided map	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

1 sandbags
1 silt fence
1 straw bale barrier

Frequency: Contact: Records Held:

General Comments:

01110 • 00130111 • 01110

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 10-003(h)

PRS:	10-003(h)		
SWAT Meeting Date:	8/18/1998	FMU Contact:	Edward Hoth
Official Submittal Date:	9/23/1998	ER Contact:	Terry Rust
Constituent Data:	No	Erosion Matrix:	59.2

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1983 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:	
Item:	1	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse.	ER
Item:	2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1	Adequate site maps will be provided	ER	Oct 98
Item:	2	ER plan will be discussed and provided asap	ER	FY99

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

sandbags
silt fence
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 10-003(i)**

PRS:	<input type="text" value="10-003(i)"/>	FMU Contact:	<input type="text" value="Edward Roth"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="59.2"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse.	ER
Item: 2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Adequate site map will be provided	ER	Oct 98	
Item: 2	ER plan will be discussed and provided asap	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

!sandbags
!silt fence
!straw bale barrier

Frequency Contact Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 10-003(j)**

PRS:	<input type="text" value="10-003(j)"/>	FMU Contact:	<input type="text" value="Edward Hoth"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="59.2"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:

Item:	Description	Owner:
1	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse	ER
2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	ER

Actions Proposed by ER, FM or ESH-18:

Item:	Description	Owner:	Target Date:	Actual Date:
1	Adequate site maps will be provided	ER	Oct 98	
2	ER plan will be discussed and provide asap	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

sandbags
silt fence
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

A-1001 (11/02/98) (0.1.1.0)

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 10-003(k)

PRS:	<input type="text" value="10-003(k)"/>	FMU Contact:	<input type="text" value="Edward Hoth"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="59.2"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse.	<input type="text" value="ER"/>
Item: 2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	<input type="text" value="ER"/>

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Adequate site maps will be provided	<input type="text" value="ER"/>	<input type="text" value="Oct 98"/>	
Item: 2	ER plan will be discussed and provided asap	<input type="text" value="ER"/>	<input type="text" value="FY99"/>	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

<input type="text" value="sandbags"/>
<input type="text" value="silt fence"/>
<input type="text" value="straw bale barrier"/>

Frequency: Contact: Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 10-003(I)**

PRS:	<input type="text" value="10-003(I)"/>	FMU Contact:	<input type="text" value="Edward Hoth"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="59.2"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse	ER
Item: 2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Adequate site maps will be provided	ER	Oct 98	
Item: 2	ER plan will be discussed and provide asap	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

isandbags
isilt fence
istraw bale barrier

Frequency: Contact: Records Held:

General Comments:

10/24/98 10:00 AM

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 10-003(m)**

PRS:	<input type="text" value="10-003(m)"/>	FMU Contact:	<input type="text" value="Edward Hoth"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="59.2"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Obtain adequate site map depicting are of concern with existing BMPs plotted (showing relationship to the adjacent watercourse)	ER
Item: 2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Adequate site map will be provided	ER	Oct 98	
Item: 2	ER plan will be discussed and provided asap	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

1 sandbags
1 silt fence
1 straw bale barrier

Frequency Contact Records Held:

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 10-003(o)

PRS:	10-003(o)			
SWAT Meeting Date:	8/18/1998	FMU Contact:	Edward Hoth	
Official Submittal Date:	9/23/1998	ER Contact:	Terry Rust	
Constituent Data:	No	Erosion Matrix:	59.2	

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse	ER
Item: 2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Adequate site map will be provided	ER	Oct 98	
Item: 2	ER plan will be discussed and provided asap	EK	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
 Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

sandbags
silt fence
straw bale barrier

Frequency Contact Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 10-004(b)**

PRS:	<input type="text" value="10-004(b)"/>	FMU Contact:	<input type="text" value="Edward Hoch"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="Terry Rust"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="59.2"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Former liquid waste disposal complex located within the floodplain of Bayo Canyon. Excavation of building and contaminated material were completed in 1963 to a depth of 18 feet. Recent investigation have determined that contamination remaining at depth is being brought to the surface by vegetation in some areas.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Obtain adequate site map depicting are of concern with existing BMPs plotted showing relationship to the adjacent watercourse	ER
Item: 2	Provide ER plan for further investigation/remediation and how monuments at site relate to the 10-year plan	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Adequate site maps will be provided	ER	Oct 98	
Item: 2	ER plan will be discussed and provided asap	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Sand bags and straw bales placed up-slope for diversion, silt fence installed on down-slope side, entire area fenced and signs posted. BMPs installed 3/31/97

Tabular List of BMPs:

1 sandbags
1 silt fence
1 straw bale barrier

Frequency Contact Records Held:

General Comments:

DATE: 1/6/99 3:31:57 PM

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 11-001(a)

PRS:	11-001(a)		
SWAT Meeting Date:	3/12/1998	FMU Contact:	Dan Macdonell
Official Submittal Date:	6/2/1998	ER Contact:	Don Hickmott
Constituent Data:	No	Erosion Matrix:	3.6

General SWAT Comments:

This PRS is located beneath the concrete covered drop pad area at TA-11. The drop pad area also has a 12" concrete curb, which provides containment for surface water discharges. Currently active drop tower activities for the site are listed as PRSs 11-004(a-f) and will be addressed at a future SWAT meeting.

Date of Part B Revision: 3/19/1998 Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Recalculate the AP 4.5 Part B scores to reflect the actual site conditions for this PRS.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Score was recalculated to reflect the actual site conditions for the PRS	ESH-18	FY98	3/19/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment:
Asphalt covered with 12" concrete curb around drop pad

Tabular List of BMPs:

asphalt/concrete repaving
secondary containment

Frequency: Contact: Kristi Begun Records Held:

General Comments:

Inspections not required for concrete curb

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 11-001(b)**

11-001(b) - 11-001(b) - 11-001(b)

PRS:	11-001(b)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	11/20/1998	ER Contact:	Don Hickmott
Official Submittal Date:	12/1/1998	Erosion Matrix:	22.7
Constituent Data:	No		

General SWAT Comments:

11-001(b) is the active firing pit between the betatron in TA-11-2 and the cloud chamber in TA-11-3. Since the site is located below the drop tower pad, the surface water site assessment should be re-assessed. 11-004(a-f) is the active component of the drop tower and the radius surrounding the pad. Sediment samples were recently collected in drainages surrounding the area.

Date of Part B Revision: 12/1/1998 Revisit Recommended Revisit Date: _____

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Recalculate Part B score for the site	ESH-18

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Score recalculated for site	ESH-18	12/1/98	12/1/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

asphalt/concrete repaving
secondary containment

Frequency: _____ Contact: Krsti Begun Records Held: _____

General Comments:

Straw bale check dams within drainages below drop tower site, see 11-006(a-d).

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 11-003(a)**

PRS:	11-003(a)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	3/12/1998	ER Contact:	Don Hickmott
Official Submittal Date:	6/2/1998	Erosion Matrix:	81
Constituent Data:	No		

General SWAT Comments:

Mortar impact area several hundred feet long by 100 feet wide. The site trends SE to NW from the TA-11 drop tower location. Designated Fire Break access road (FR-80) bisects the PRS and has created some areas of erosion. The access road has been re-graded and crowned to address the erosion concerns. A wetland area also exists within the PRS boundary.

Date of Part B Revision: Revisit Recommended Revisit Date: 6/9/1998

Revisit Comments:

Firebreak access road work complete. Wetland below site acts as an effective buffer of discharges from PRS boundary.

Actions Recommended at SWAT Meeting:

Item:	Owner:
1 Perform investigative sampling to identify COPCs.	ER
2 Modify existing SWPPP Plan for LANL Firebreaks to reflect road re-grading and existence of this PRS near the access road.	FM

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 One verification sample was collected from drainage east of firebreak road. Sample ID RE16-98-2005	ER	8/1/98	11/12/98
Item: 2 Firebreak SWPPP Plan will be modified	ESH-18/FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Firebreak access road regraded to create ditch, more level driving area.
Naturally occurring wetland below site within canyon channel.

Tabular List of BMPs:

swale

Frequency Contact Kristi Beguin Records Held:

General Comments:

Ed Nettles FSS-20 has signatory authority of SWPPP Plan.

11-003(a) - PRS - 11-003(a) - 04-1998

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 11-003(b)

PRS:	<input type="text" value="11-003(b)"/>	FMU Contact:	<input type="text" value="Dan Macdonell"/>
SWAT Meeting Date:	<input type="text" value="11/20/1998"/>	ER Contact:	<input type="text" value="Don Macdonell"/>
Official Submittal Date:	<input type="text" value="12/1/1998"/>	Erosion Matrix:	<input type="text" value="SSS"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

The target area associated with the decommissioned air-gun facility, TA-11-24. The targets are located 150 to 250 ft. south of TA-11-24. No data has been collected to date.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Collect samples to determine if COPCs are present at the site.	ER
Item:	2 Determine if site has a common drainage point for the BMPs installed for other TA-11 sites.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	2 Site will be revisited to determine if BMPs in place will be adequate for this site also.	ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency <input type="text"/>	Contact <input type="text"/>
	Records Held: <input type="text"/>

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 11-004(a)**

PRS:	11-004(a)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	11/20/1998	ER Contact:	Don Hickmott
Official Submittal Date:	12/1/1998	Erosion Matrix:	50
Constituent Data:	No		

General SWAT Comments:

Active component of drop tower (TA-11-25) complex located 180 ft. east of TA-11-2 and TA-11-3. PRS also includes surrounding radius of drop tower.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Assess pending data and re-evaluate site if necessary	ER
Item: 2	Consider using the site as "pilot" area for determining effectiveness of existing BMPs.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Pending data will be assessed and information will be discussed at a future SWAT meeting	ER	FY99	
Item: 2	Consideration will be given to use site a pilot for determining BMP effectiveness.	ER/ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Straw bale check dams within drainage below site.	coverng, geotextiles
Frequency: 3 Months	straw bale barrier
Contact: Kristi Begun	Records Held: ICF Kaiser

General Comments:

BMPs were installed within all drainages surrounding the active TA-11 drop tower

01-11-1999 10:00:00 AM

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 11-004(b)**

FORM 10-10-99 10-10-99

PRS:	<input type="text" value="11-004(b)"/>	FMU Contact:	<input type="text" value="Dan Macdonell"/>
SWAT Meeting Date:	<input type="text" value="11/20/1998"/>	ER Contact:	<input type="text" value="Don Hickmott"/>
Official Submittal Date:	<input type="text" value="12/1/1998"/>	Erosion Matrix:	<input type="text" value="58"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Active component of drop tower (TA-11-25) complex located 180 ft. east of TA-11-2 and TA-11-3. PRS also includes surrounding radius of drop tower.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Assess pending data and re-evaluate site if necessary	ER
Item: 2	Implement appropriate sediment controls within drainages surrounding drop pad.	ER
Item: 3	Consider using the site as "pilot" area for determining effectiveness of existing BMPs.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Pending data will be assessed and information will be discussed at a future SWAT meeting	ER	FY99	
Item: 2	Straw bale check dams were installed within all drainage surrounding drop pad.	ER	FY98	11/98
Item: 3	Consideration will be given to use site a pilot for determining BMP effectiveness.	ER/ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

asphalt/concrete repaving
secondary containment
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

BMPs were installed within all drainages surrounding the active TA-11 drop tower, see 11-006 (a-d).

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 11-004(c)**

PRS:	11-004(c)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	11/20/1998	ER Contact:	Don Hickmott
Official Submittal Date:	12/1/1998	Erosion Matrix:	56
Constituent Data:	No		

General SWAT Comments:

Active component of drop tower (TA-11-25) complex located 180 ft. east of TA-11-2 and TA-11-3. PRS also includes surrounding radius of drop tower.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Assess pending data and re-evaluate site if necessary	ER
Item: 2	Implement appropriate sediment controls within drainages surrounding drop tower.	ER
Item: 3	Consider using the site as "pilot" area for determining effectiveness of existing BMPs.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Pending data will be assessed and information will be discussed at a future SWAT meeting	ER	FY99	
Item: 2	Straw bale check dams were installed within drainage below site.	ER	FY98	11/98
Item: 3	Consideration will be given to use site a pilot for determining BMP effectiveness.	ER/ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

asphalt/concrete repaving
secondary containment
straw bale barrier

Frequency Contact Records Held:

General Comments:

BMPs were installed within all drainages surrounding the active TA-11 drop tower, see 11-006 (a-d).

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 11-004(d)**

PRS:	11-004(d)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	11/20/1998	ER Contact:	Don Hickmott
Official Submittal Date:	12/1/1998	Erosion Matrix:	56
Constituent Data:	No		

General SWAT Comments:

Active component of drop tower (TA-11-25) complex located 180 ft. east of TA-11-2 and TA-11-3. PRS also includes surrounding radius of drop tower.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Assess pending data and re-evaluate site if necessary	ER
Item: 2 Implement appropriate sediment controls within drainages surrounding drop tower.	ER
Item: 3 Consider using the site as "pilot" area for determining effectiveness of existing BMPs.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Pending data will be assessed and information will be discussed at a future SWAT meeting	ER	FY99	
Item: 2 Straw bale check dams were installed within drainages below site.	ER	FY98	11/98
Item: 3 Consideration will be given to use site a pilot for determining BMP effectiveness.	ER/ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

asphalt/concrete repaving
secondary containment
straw bale barrier

Frequency 3 Months Contact Kristi Beguin Records Held: ICF Kaiser

General Comments:

BMPs were installed within all drainages surrounding the active TA-11 drop tower, see 11-006(a-d).

DATE: 11/20/98 BY: JAC

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 11-004(e)**

C:\PR11\11-004\11-004.dwg

PRS:	11-004(e)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	11/20/1998	ER Contact:	Don Hickmott
Official Submittal Date:	12/1/1998	Erosion Matrix:	56
Constituent Data:	No		

General SWAT Comments:

Active component of drop tower (TA-11-25) complex located 180 ft. east of TA-11-2 and TA-11-3. PRS also includes surrounding radius of drop tower.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Assess pending data and re-evaluate site if necessary	ER
Item: 2	Implement appropriate sediment controls within drainages surrounding drop tower.	ER
Item: 3	Consider using the site as "pilot" area for determining effectiveness of existing BMPs.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Pending data will be assessed and information will be discussed at a future SWAT meeting	ER	FY99	
Item: 2	Straw bale check dams were installed within drainage below site.	ER	FY98	11/98
Item: 3	Consideration will be given to use site a pilot for determining BMP effectiveness.	ER/ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

asphalt/concrete repaving
secondary containment
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

BMPs were installed within all drainages surrounding the active TA-11 drop tower, see 11-006(a-d).

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 11-004(f)**

PRR - 00000000 - 0000

PRS:	11-004(f)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	11/20/1998	ER Contact:	Don Macmott
Official Submittal Date:	12/1/1998	Erosion Matrix:	56
Constituent Data:	No		

General SWAT Comments:

Active component of drop tower (TA-11-25) complex located 180 ft. east of TA-11-2 and TA-11-3. PRS also includes surrounding radius of drop tower.

Date of Part B Revision: _____ Revisit Recommended Revisit Date: _____

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Assess pending data and re-evaluate site if necessary	ER
Item: 2 Implement appropriate sediment controls within drainages surrounding drop tower.	ER
Item: 3 Consider using the site as "pilot" area for determining effectiveness of existing BMPs.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Pending data will be assessed and information will be discussed at a future SWAT meeting	ER	FY99	
Item: 2 Straw bale check dams were installed within drainage below site.	ER	FY98	11/98
Item: 3 Consideration will be given to use site a pilot for determining BMP effectiveness.	ER/ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

asphalt/concrete repaving
secondary containment
straw bale barrier

Frequency: 3 Months Contact: Kristi Beguin Records Held: ICF Kaiser

General Comments:

BMPs were installed within all drainages surrounding the active TA-11 drop tower, see 11-006(a-d).

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 11-006(a)**

FORM 1000 (REV. 10/97) * 684.412

PRS:	<input type="text" value="11-006(a)"/>	FMU Contact:	<input type="text" value="Dan Macdonell"/>
SWAT Meeting Date:	<input type="text" value="3/12/1998"/>	ER Contact:	<input type="text" value="Don Hickmott"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	Erosion Matrix:	<input type="text" value="10.6"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

An HE sump (11-006(a)) and three associated catch basins (11-006(b-d)) associated with the drop tower activities. The three catch basins are concrete boxes with aluminum tops and overflow drains. The catch basins receive wash down and runoff from the asphalt apron and are each NPDES permitted. The discharges are channeled along asphalt-lined drainages into natural drainages east of TA-11 into Water Canyon.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Locations within drainage channel were selected for straw bale check dams. Contact Steve Veeris for description.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Recalculate AP 4.5 Part B scores to reflect the actual site conditions for these PRSs.	ESH-18
Item: 2	Implement appropriate sediment and/or erosion controls within the channels.	ER
Item: 3	Action Schedule Phase I sampling for K-Site PRSs.	ER
Item: 4	Consider a surface water monitoring location below K-Site in coordination with the OU 1082 RFI framework.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Score was recalculated to reflect the actual site conditions for these PRSs.	ESH-18	FY98	3/19/98
Item: 2	ER/ESH-18 will revisit site to select appropriate locations	ER	8/98	6/2/98
Item: 3	Assume 2 samples will be collected for pre-approved analytical suite.	ER	8/98	11/12/98
Item: 4	Water Canyon DQOs have been completed by the Watershed Team and the COPCs for this site have been addressed. Sample collection will be coordinated with Don Hickmott.	ER/ESH-18	FY98	10/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment: <input type="text" value="Curbed containment around drop tower pad"/>	Tabular List of BMPs: <input type="text" value="secondary containment"/> <input type="text" value="straw bale barrier"/>
Frequency: <input type="text"/>	Contact: <input type="text" value="Mary Jane Winch"/> Records Held: <input type="text" value="Pueblo Complex"/>

General Comments:

Straw bale check dams installed 10/15/98 within drainage channels below site. Sediment samples were collected within drainage on 11/12/98 (Sample ID RE16-98-2003)

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 11-006(b)**

PRS:	11-006(b)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	3/12/1998	ER Contact:	Don Hickmott
Official Submittal Date:	6/2/1998	Erosion Matrix:	52
Constituent Data:	No		

General SWAT Comments:

An HE sump (11-006(a)) and three associated catch basins (11-006(b-d)) associated with the drop tower activities. The three catch basins are concrete boxes with aluminum tops and overflow drains. The catch basins receive wash down and runoff from the asphalt apron and are each NPDES permitted. The discharges are channeled along asphalt-lined drainages into natural drainages east of TA-11 into Water Canyon.

Date of Part B Revision: 3/19/1998 Revisit Recommended Revisit Date: 6/9/1998

Revisit Comments:

Locations for straw bale check dams were selected. Contact Steve Veens for description.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Recalculate AP 4.5 Part B scores to reflect the actual site conditions for these PRSs.	ESH-18
Item: 2	Implement appropriate sediment and/or erosion controls within the channels.	ER
Item: 3	Investigate the potential enhancement of nearby wetlands.	ER
Item: 4	Consider a surface water monitoring location below K-Site but above the confluence with Water Canyon in coordination with the OU 1082 RFI framework.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Score was recalculated to reflect the actual site conditions for these PRSs.	ESH-18	FY98	3/19/98
Item: 2	ER/ESH-18 will revisit site to select appropriate locations.	ER	8/98	6/9/98
Item: 3	Will consider the potential for enhancing wetland	ESH-18/FM	FY98	
Item: 4	Coordinate with Watershed Management Team for future monitoring needs within Water Canyon. Don Hickmott will be contacted prior to sample collection below the site.	ER/ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Asphalt lined discharge channel below catch basin, 12" concrete curb around drop tower.

Tabular List of BMPs:

asphalt/concrete paving
straw bale barrier

Frequency: Contact: Kristi Begun Records Held: ICF

General Comments:

Straw bale check dams installed 10/15/98 within drainage channels below site. Sediment samples were collected within drainage on 11/12/98 (Sample ID RE16-98-2004)

11-006(b) - SWA - 11-006(b) - SWA - 11-006(b) - SWA

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 11-006(c)

PRS:	11-006(c)		
SWAT Meeting Date:	3/12/1998	FMU Contact:	Dan Macdonell
Official Submittal Date:	6/2/1998	ER Contact:	Don Hickmott
Constituent Data:	No	Erosion Matrix:	68.8

General SWAT Comments:

An HE sump (11-006(a)) and three associated catch basins (11-006(b-d)) associated with the drop tower activities. The three catch basins are concrete boxes with aluminum tops and overflow drains. The catch basins receive wash down and runoff from the asphalt apron and are each NPDES permitted. The discharges are channeled along asphalt-lined drainages into natural drainages east of TA-11 into Water Canyon.

Date of Part B Revision: 3/19/1998 Revisit Recommended Revisit Date: 6/2/1998

Revisit Comments:

Locations were selected for straw bale check dams within drainage channel. Contact Steve Veenis for description.

Item:	Actions Recommended at SWAT Meeting:	Owner:
1	Recalculate AP 4.5 Part B scores to reflect the actual site conditions for these PRSs.	ESH-18
2	Implement appropriate sediment and/or erosion controls within the channels.	ER
3	Investigate the potential enhancement of nearby wetlands.	ESH-18/FM
4	Consider a surface water monitoring location below K-Site but above the confluence with Water Canyon in coordination with the OU 1082 RFI framework.	ER/ESH-18

Item:	Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
1	Score was recalculated to reflect the actual site conditions for these PRSs.	ESH-18	FY98	3/19/98
2	ER/ESH-18 will revisit site to select appropriate locations.	ER	8/98	6/9/98
3	Will consider the potential for enhancing wetland.	ESH-18/FM	FY99	
4	Water Canyon DQOs have been completed by the Watershed Team and the COPCs for this site have been addressed.	ER/ESH-18	FY98	10/98

INSPECTION & MAINTENANCE INFORMATION

<p>Description of Existing BMPs from Erosion Assessment</p> <p style="border: 1px solid black; padding: 2px;">Asphalt lined discharge channel. 12" concrete curb around drop tower pad.</p>	<p>Tabular List of BMPs:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">asphalt/concrete repaving</td></tr> <tr><td style="padding: 2px;">brush barrier</td></tr> <tr><td style="padding: 2px;">straw bale barrier</td></tr> </table>	asphalt/concrete repaving	brush barrier	straw bale barrier
asphalt/concrete repaving				
brush barrier				
straw bale barrier				
<p>Frequency: 3 Months Contact: Krsti Begun</p>	<p>Records Held: ICF</p>			

General Comments:

Drainage channel highly eroded, channel was filled with logs, brush, straw bales, and rocks to minimize further erosion. 1 sediment sample was collected (RE18-98-2003) on Nov 12, 1998.

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 11-006(d)

PRS:	11-006(d)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	3/12/1998	ER Contact:	Don Hickmott
Official Submittal Date:	6/2/1998	Erosion Matrix:	74
Constituent Data:	No		

General SWAT Comments:

An HE sump (11-006(a)) and three associated catch basins (11-006(b-d)) associated with the drop tower activities. The three catch basins are concrete boxes with aluminum tops and overflow drains. The catch basins receive wash down and runoff from the asphalt apron and are each NPDES permitted. The discharges are channeled along asphalt-lined drainages into natural drainages east of TA-11 into Water Canyon.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Locations were selected for straw bale check dams down stream from NPDES permitted outfall 05A097, within drainage channel.

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Recalculate AP 4.5 Part B scores to reflect the actual site conditions for these PRSs.	ESH-18
Item:	2 Implement appropriate sediment and/or erosion controls within the channels.	ER/ESH-18
Item:	3 Investigate the potential enhancement of nearby wetlands.	ESH-18/FM
Item:	4 Consider a surface water monitoring location below K-Site but above the confluence with Water Canyon in coordination with the OU 1082 RFI framework	FM/ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Score was recalculated to reflect the actual site conditions for these PRSs.	ESH-18	FY98	3/19/98
Item:	2 ER/ESH-18 will revisit site to select appropriate locations.	ER/ESH-18	8/98	8/98
Item:	3 Will consider the potential for enhancing wetland	ESH-18/FM	FY99	
Item:	4 Water Canyon DCOs have been completed by the Watershed Team and the COPCs for this site have been addressed	ER/ESH-18	FY98	10/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Asphalt lined discharge channel below catch basin, 12" concrete curbing around drop pad, gabions below outfall have been installed as flow dissipation controls.

Tabular List of BMPs:

asphalt/concrete paving
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

Straw bale check dam installed 10/15/98 within drainage channels below site. Sediment samples were collected within drainage on 11/12/98

DATE: 11/10/98 • 04:11 PM

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 14-005**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	DX should address erosion concerns identified at site	DX
Item: 2	SWPPP should be modified to reflect any changes	DX

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Site will be addressed under active SWPPP for DX Division	DX	FY99	
Item: 2	SWPPP will be modified to reflect any changes as described in SWPPP	DX	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact: Records Held:

General Comments:

SWAT • EROSION • BMP • 14-005

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 15-006(c)

PRS:	<input type="text" value="15-006(c)"/>		
SWAT Meeting Date:	<input type="text" value="12/9/1997"/>	FMU Contact:	<input type="text" value="Franco Saineros"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Constituent Data:	<input type="text" value="Yes"/>	Erosion Matrix:	<input type="text" value="67.2"/>

General SWAT Comments:

An inactive firing site (R-44) and associated disposal area located at TA-15. Since the field assessment date (8/25/97), an interim action has been completed at the site to remove visible debris and install BMPs. Nine 55-gallon drums were filled with lead shot found at the site, and visible shrapnel, DU, detonator cords and other debris were removed. Final remediation of the site is being considered in FY98-FY99 as part of the DOE complex innovative technology initiative using a Segmented Gate System.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Sand bags and silt fencing in good condition, need to replace some bales.

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Coordination with the watershed management program to collect surface water samples below the site in the near future.	ER/ESH-18
Item:	2 Monitor BMPs according to SWPP Plan	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 A representative from Remedial Action Focus Area will be on Watershed Core Team	ER/ESH-18	9/30/98	
Item:	2 BMPs will be inspected and maintained	ER	Ongoing	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
A series of silt fences were placed at the southern portion of site and straw bale check dams were placed adjacent to the eastern and western portions of the site. Sandbags were placed to divert run-on at pertinent locations. A monthly inspection and maintenance program has been implemented for the BMPs.

Tabular List of BMPs:

sandbags
silt fence
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

Interim Action Plan submitted December 1996 (LA-UR-96-4896)

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 15-008(a)

PRS:	<input type="text" value="15-008(a)"/>	FMU Contact:	<input type="text" value="Franco Sisheros"/>
SWAT Meeting Date:	<input type="text" value="12/2/1997"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	Erosion Matrix:	<input type="text" value="72"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

An inactive firing site (E-F) located at TA-15. Since the field assessment date (8/25/97), an interim action has been completed at the site to remove visible debris and install BMPs. Final remediation of the site is being considered in FY98-FY99 as part of the DQE complex innovative technology initiative using a Segmented Gate System.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Sand bags and silt fencing in good condition

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Additional data was requested for sample points located on site map associated with Part A.	<input type="text" value="ER"/>
Item:	2 Coordination with the watershed management program to collect surface water samples below the site in the near future.	<input type="text" value="ER/ESH-18"/>
Item:	3 Inspect and maintain existing BMPs	<input type="text" value="ER"/>

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Provide data	<input type="text" value="ER"/>	<input type="text" value="6/15/98"/>	
Item:	2 Not completely in ER baseline, will perform in FY 99. Representation from Remedial Action Focus Area will be on Watershed Core Team	<input type="text" value="ER/ESH-18"/>	<input type="text" value="FY99"/>	
Item:	3 Will inspect and maintain existing BMPs	<input type="text" value="ER"/>	<input type="text" value="Ongoing"/>	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Visible shrapnel, DU, detonator cords and other debris were removed from both canyon edge sites. A series of silt fences were placed below each site. A weekly inspection and maintenance program has been implemented for the BMPs.

Tabular List of BMPs:

Frequency: Contact: Records Held:

General Comments:

Data requested will be submitted by Tom Fogg and/or John McCann.

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 15-008(b)

PRS:	<input type="text" value="15-008(b)"/>	FMU Contact:	<input type="text" value="Franco Sineros"/>
SWAT Meeting Date:	<input type="text" value="12/9/1997"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	Erosion Matrix:	<input type="text" value="67.2"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

An inactive firing site (R-44) and associated disposal area located at TA-15. Since the field assessment date (8/25/97), an interim action has been completed at the site to remove visible debris and install BMPs. Nine 55-gallon drums were filled with lead shot found at the site, and visible shrapnel, DU, detonator cords and other debris were removed. Final remediation of the site is being considered in FY98-FY99 as part of the DOE complex innovative technology initiative using a Segmented Gate System.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Sand bags and silt fencing in good condition, need to replace some bales

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Coordination with the watershed management program to collect surface water samples below the site in the near future	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Not in ER Baseline, will perform in FY 99. A representative from Remedial Action Focus Area will be on Watershed Core Team.	ER/ESH-18	FY 99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

A series of silt fences were placed at the southern portion of site and straw bale check dams were placed adjacent to the eastern and western portions of the site. Sandbags were placed to divert run-on at pertinent locations. A weekly inspection and maintenance program has been implemented for the BMPs.

Tabular List of BMPs:

sandbags
silt fence
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 15-008(d)

PRS:	<input type="text" value="15-008(d)"/>		
SWAT Meeting Date:	<input type="text" value="12/9/1997"/>	FMU Contact:	<input type="text" value="Franco Seneros"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Constituent Data:	<input type="text" value="No"/>	Erosion Matrix:	<input type="text" value="69"/>

General SWAT Comments:

Disposal area of what appears as building debris in drainage area near the Hollow site 15-22. No samples have been collected to date to determine if CPOCs are present.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Revisit site in Spring 1998 to determine type and amount of debris in drainage.	ESH-18
Item: 2	Site should be sampled to determine if CPOCs exist.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	ESH-18 will conduct site visit with DX to assess debris	ESH-18	7/98	
Item: 2	Site will be sampled to determine if CPOCs exist during FY 98	ER	FY 98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input type="text"/>	Contact: <input type="text" value="Mary Jane Winch"/> Records Held: <input type="text" value="Pueblo Complex"/>

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 15-008(f)

PRS:	15-008(f)		
SWAT Meeting Date:	11/20/1998	FMU Contact:	Franco Sinerba
Official Submittal Date:	12/1/1998	ER Contact:	John McCann
Constituent Data:	No	Erosion Matrix:	57.3

General SWAT Comments:

Two active firing points 1&J at TA-35. Site adjacent to 36-004(e). Rill erosion and run-on concerns should be addressed. Visible debris and DU observed. IA plan was written to install BMPs and remove visible debris and DU. Site is managed under existing SWPPP for DX Division.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Assure that DX has addressed erosion concerns through implementation of SWPPP.	DX
Item: 2 Follow up on implementation of IA that was to address erosion concerns in FY97.	ESH-18

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 DX will be notified of erosion concerns, and will modify SWPPP as necessary.	ESH-18/FM	Nov 98	
Item: 2 Site will be revisited to see if implementation of IA occurred.	ESH-18	Nov 98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input style="width: 50px;" type="text"/>	Contact: <input style="width: 50px;" type="text" value="Mary Jane Winch"/>
	Records Held: <input style="width: 50px;" type="text" value="Pueblo Complex"/>

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 15-009(c)**

PRS:	15-009(c)	FMU Contact:	Franco Sineros
SWAT Meeting Date:	12/9/1997	ER Contact:	John McCann
Official Submittal Date:	6/2/1998	Erosion Matrix:	71.5
Constituent Data:	No		

General SWAT Comments:

Septic outfall pipe which discharges into nearby canyon. Tank was visually inspected, and found to have clear liquids within, without obvious sludge. Site is inactive, and tank is thought to be collecting snowmelt over the years. No visible erosion was found at tank location but the erosion was observed below discharge pipe into the Canon de Valle tributary.

Date of Part B Revision: Revisit Recommended Revisit Date: 4/7/1998

Revisit Comments:

Site was revisited by Steve Veenis, Tom Fogg and Tracy McFarland to determine appropriate sample locations and potential BMP within the tributary drainage.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Sample tank contents	ER
Item: 2	Verify connections to the tank through the Waste Stream Characterization Report performed in 1992.	ESH-18
Item: 3	Plug outfall pipe.	ER
Item: 4	Recommend locations for sampling and BMPs within drainage	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Will perform in FY 98	ER	9/98	9/98
Item: 2	The only connections shown on WSC Report #24 is 1LV1 is sink drain which discharges into the septic.	ESH-18	FY98	4/20/98
Item: 3	Plug outfall pipe.	ER	FY 98	
Item: 4	A determination was made for appropriate sampling and BMP locations.	ER	9/98	4/7/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Silt fencing was installed within the channel at two locations. Photographs were taken and are available within the master files.

Tabular List of BMPs:
silt fence

Frequency: 3 Months Contact: Karl Maness Records Held: ICF Kaiser

General Comments:

PRS proposed for NFA 1995. On September 22, 1998 installation of silt fencing and collection of down gradient soil samples took place. Samples were collected from four locations at various depths in the drainage below the outfall.

1510 • 11/01/98 • 03:53:43

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 15-011(b)**

PRS:	15-011(b)	FMU Contact:	Franco Sisneros
SWAT Meeting Date:	12/9/1997	ER Contact:	John McCann
Official Submittal Date:	6/2/1998	Erosion Matrix:	87
Constituent Data:	Yes		

General SWAT Comments:

Drain line system from 15-194 at Hollow site. Samples collected show detectable Hg within drainage (15-011(c)). Debris was observed within the drainage. An NPDES outfall 04A093 is connected to outfall.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Mike Alexander, John McCann, Franco Sisneros and Steve Veenus visited site. The visible debris was found to be wind blown trash and misc wood. The FM said they would remove.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Remove debris. Conduct a site visit (ESH-18/ER/FM/DOE-OB) to determine refuse, watercourse, and ownership.	ER/ESH-18
Item: 2	Develop required Storm Water Pollution Prevention Plan and implement appropriate BMPs	ESH-18
Item: 3	Sample sediment further downstream to verify whether Hg has migrated from the site.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	ESH-18 will conduct site visit with FM	ER/ESH-18	FY98	7/98
Item: 2	Dependent on outcome of pending Administrative Order	ESH-18	FY99	
Item: 3	Review existing data and provide to SWAT	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

RFI denied July 30, 1997 (OU1086). Associated PRSs include 15-014(H), C-15-007 and 15-011(c).

4-001 • 01/05/99 • 04/19/99

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 15-011(c)

PRS:	15-011(c)			
SWAT Meeting Date:	12/9/1997	FMU Contact:	Franco Sisneros	
Official Submittal Date:	6/2/1998	ER Contact:	John McCann	
Constituent Data:	Yes	Erosion Matrix:	87	

General SWAT Comments:

Hollow site storm water collection system and outfall from 15-194. Samples collected show detectable Hg within drainage. Debris was observed within the drainage. An NPDES outfall 044A093 is connected to outfall.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Mike Alexander, John McCann, Franco Sisneros and Steve Veeris visited site. The visible debris was found to be wind blown trash and misc wood. The FM said they would remove.

	Actions Recommended at SWAT Meeting:	Owner:
Item: 1	Remove debris. Conduct a site visit (ESH-18)/ER/RWDOE-OB) to determine refuse, watercourse, and ownership.	ER/ESH-18
Item: 2	Develop required Storm Water Pollution Prevention Plan and implement appropriate BMPs	ESH-18/FM
Item: 3	Sample sediment further downstream to verify whether Hg has migrated from the site.	ER
Item: 4	Follow up on units presented in the data tables reflecting detected Hg in ug/L instead of mg/kg which infer a liquid media sample	ER

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1	ESH-18 will conduct site visit with FM.	ER/ESH-18	FY98 7/98
Item: 2	Dependent on outcome of pending Administrative Order	ESH-18/FM	FY99
Item: 3	Review existing data and provide to SWAT	ER	FY99
Item: 4	Units were expressed in ug/L because of a typo	ER	FY98 12/16/97

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input style="width: 50px;" type="text"/>	Records Held: <input style="width: 50px;" type="text" value="Pueblo Complex"/>
Contact: <input style="width: 50px;" type="text" value="Mary Jane Winch"/>	

General Comments:

RFI denied July 30, 1997 (OU 1086). Associated PRSs include 15-014(h), C-15-007 and 15-011(c).

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 15-014(g)**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Air compressor/cooling water blowdown (NPDES 04A093) near Hollow Site at TA-15. Visible debris was observed at site and has been removed.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Revisit site to determine if oil stain that was documented has been removed or still exists.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Site will be revisited to determine if oil stain is still present.	ER/ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

047871 00115001010 000

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 15-014(j)**

PRS:
 SWAT Meeting Date: FMU Contact:
 Official Submittal Date: ER Contact:
 Constituent Data: Former Matrix:

General SWAT Comments:

Former NPDES-permitted outfall EPA 04A093, "eliminated" in 1994. Included one sink drain, one shower drain, and one additional drain of unknown nature. Surrounding channels and flat areas thickly vegetated. Constituents of concern include Hg. It may be effective to cluster this PRS with others in the watershed plan.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Check unknown drain and WSC status.	ESH-18
Item: 2	Add site to DX Division "Active Operations" SWPPP Plan.	FM
Item: 3	Consider run-on diversion.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	WSC report will be checked to verify drain source	ESH-18	FY99	
Item: 2	Site will be added to the DX SWPPP	FM	FY99	
Item: 3	Run-on diversion will be considered when DX SWPPP is modified.	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

Frequency

Contact

Records Held:

General Comments:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 WATER DIVISION

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-003(q)**

SWAT • UNIVERSITY • GLEN

PRS:	<u>35-003(q)</u>	FMU Contact:	<u>Sara Helmick</u>
SWAT Meeting Date:	<u>11/5/1998</u>	ER Contact:	<u>Gabriela Lopez-Escobed</u>
Official Submittal Date:	<u>11/9/1998</u>	Erosion Matrix:	<u>59</u>
Constituent Data:	<u>Yes</u>		

General SWAT Comments:

Site of the former pump pit (TA-35-8) associated with the wastewater treatment plant, it was adjacent to the pipe trench (PRS No. 35-003(q)) and the holding tanks (PRS No. 35-003(d)). The pump pit was about 10 ft wide and 14 ft long and housed two large capacity electric pumps and associated valves and piping used to transfer the liquid in the holding tanks among the tanks and to TA-35-7. The pump pit contained floor drains that discharged to the daylight diversion channel.
An Interim Action was performed at this site in 1996. The area was backfilled and reseeded. An earth berm to divert run-off to riprap-lined channel.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Site visit with Steve Veenis, Jeff Waltersheid and Barbara Hoditschek. Upper berm has been breached in two places due to sheet flow from asphalt and base coarse parking lot. Lower berm breached at northeast corner due to run-on from northern asphalt channel. The remainder of the site looks good with approximately 50% vegetative cover.

Actions Recommended at SWAT Meeting:	Owner:
Item: <u>1</u> Revisit site to determine if final stabilization has been achieved. If not, recommend appropriate measures.	<u>ER/ESH-18</u>

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: <u>1</u> Site was revisited to assess final stabilization measures. Additional recommendations were made.	<u>ER</u>	<u>1/99</u>	<u>11/98</u>

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
BMP in place: Earth berm to divert run-off to riprap-lined channel. Area backfilled and reseeded 1996. Additional work completed in 12/98 included fixing breached berm, provided extra riprap and compaction of soils at site

Tabular List of BMPs:

<u>earth berm</u>
<u>riprap</u>
<u>seeding, permanent</u>
<u>straw bale barrier</u>

Frequency 3 Months Contact Mary Jane Winch Records Held: Pueblo Complex

General Comments:

Site IA was performed in 12/98

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 16-003(a)

PRS:	16-003(a)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	11/5/1998	ER Contact:	Don Hickmott
Official Submittal Date:	11/9/1998	Erosion Matrix:	55.5
Constituent Data:	Yes		

General SWAT Comments:

HE sump near 16-410, no erosion was observed in the field. Discharges from former sump were NPDES outfall 05A053. COPCs include low levels of PAH and Zinc.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Verify if stormwater discharges are connected to outfall within Wastewater Stream Characterization report	ESH-18
Item: 2	Coordinate monitoring effort with watershed management program	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	The WSC report was reviewed to verify connections to outfall. It was determined that roof drains are directly tied to this outfall (WSC Report #16).	ESH-18	1/1/99	12/98
Item: 2	Watershed DQOs have been completed for Water Canyon, and the COPCs for this PRS have been addressed.	ESH-18	FY98	10/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment: Tabular List of BMPs:

Frequency: Contact: Records Held:

General Comments:

Roof drains from building 16-410 are connected to 05A053 outfall. No recommendations were made to re-route the storm drains from the outfall as part of the Wastewater Stream Characterization project.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 16-003(m)**

PRS:	16-003(m)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	1/7/1998	ER Contact:	Don Hickmott
Official Submittal Date:	6/2/1998	Erosion Matrix:	3.6
Constituent Data:	No		

General SWAT Comments:

Inactive HE sump/outfall (16-030(g)) associated with NPDES Outfall 05A052 at 16-380. Roof drains from the building are still connected to this outfall.

Date of Part B Revision: Revisit Recommended Revisit Date: 5/1/1998

Revisit Comments:

Covered in snow, slight deterioration

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 None for this site	

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 None for this site			

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
 Straw bale check dams within drainage below fish ladder
 Frequency: 3 Months Contact: Krati Begun

Tabular List of BMPs:
 Straw bale barrier
 Records Held: ICF Kaiser

General Comments:

16-003(m) 05A052

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 16-005(f)

PRS:	<input type="text" value="16-005(f)"/>		
SWAT Meeting Date:	<input type="text" value="1/7/1998"/>	FMU Contact:	<input type="text" value="Dan Macdonell"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	ER Contact:	<input type="text" value="Don Hickmott"/>
Constituent Data:	<input type="text" value="No"/>	Erosion Matrix:	<input type="text" value="84.3"/>

General SWAT Comments:

Septic, drain line and outfall located northeast of 16-260 installed for the construction of the facility and removed after construction (1985). The outfall channel dissects the adjacent MDA R area (16-019) and is included due to proximity.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Site was visited by Steve Veenis and ICF Kaiser employees to determine the appropriateness of placing BMPs within the drainage channel at MDA R. A determination was made that sediment migration was not an immediate problem within the drainage since bedrock was exposed at most areas. Once soil disturbing activities begin above the channel, the use of appropriate BMPs will be re-evaluated.

Actions Recommended at SWAT Meeting:		Owner:	
Item:	1	Remove visible debris. Conduct a site visit (ESH-18/ER/FM/DOE-OB) to determine refuse, watercourse and ownership	ER/ESH-18
Item:	2	Recommend drainage channel BMPs including nrap, geotextile along banks and/or flow dissipation devices.	ER/ESH-18
Item:	3	Recommend Phase I sampling for 16-019	ER
Item:	4	Re-evaluate Part B score for 16-005(f). 16-019 should have the highest erosion potential score.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1	Not all debris will be removed until MDA R remediation activities.	FY00	
Item:	2	ER/ESH-18 will revisit site to select appropriate locations.	8/98	9/98
Item:	3	Phase I sampling is scheduled for FY 99. Samples within drainage may occur in FY98	8/98	11/98
Item:	4	Site will be re-evaluated	8/98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment: Tabular List of BMPs:

Frequency: Contact: Records Held:

General Comments:

Trees and other misc. debris will remain until site is remediated. 5 samples were collected November 27, 1998 within drainage channel. RE16-98-2007, 2008 and 2009 were HE spot tested positive. RE16-98-2010 and 2011 were HE spot tested negative

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 16-006(c)**

PRS:	16-006(c)	FMU Contact:	Don Macdonell
SWAT Meeting Date:	1/7/1998	ER Contact:	Don Hickmott
Official Submittal Date:	6/2/1998	Erosion Matrix:	49.5
Constituent Data:	Yes		

General SWAT Comments:

Inactive 1,200 gallon septic tank, 16-006(c) outfall plugged. Active septic tank 16-006(f) in place for building 16-370, which is currently shut down. A 4-inch VCP located at canyon edge is believed to be the outfall for 16-006(c)

Date of Part B Revision: Revisit Recommended Revisit Date: 2/4/1998

Revisit Comments:

Investigate plugging or re-routing asphalt channel run-on to site from north of 16-370.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Revisit site to determine if erosion potential still exists at outfall location. If so, appropriate sediment controls will be recommended.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	ESH-18 will revisit site to assess	ESH-18	FY98	2/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
An earthen berm located at the southwest corner of 16-370 impedes run off to the lower portion of the PRS.

Tabular List of BMPs:
earth berm

Frequency Contact Kristi Begun

Records Held: ICF Kaiser

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 16-006(f)**

PRS:	<input type="text" value="16-006(f)"/>	FMU Contact:	<input type="text" value="Dan Macdonell"/>
SWAT Meeting Date:	<input type="text" value="1/7/1998"/>	ER Contact:	<input type="text" value="Don Hickmott"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	Erosion Matrix:	<input type="text" value="14"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Inactive 1,200 gallon septic tank, 16-006(c) outfall plugged. Active septic tank 16-006(f) in place for building 16-37D, which is currently shut down.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

The 4-inch VCP located at canyon edge is believed to be the outfall for 16-006(c). No outfall exists for this septic system, which is periodically pumped when the building is in use.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Revisit site to determine if erosion potential still exists at outfall location. If so, appropriate sediment controls will be recommended.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	ESH-18 will revisit site to assess	ESH-18	FY98	2/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

 Frequency: Contact:

Tabular List of BMPs:

 Records Held:

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 16-010(b)

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Burn pad at 16-387 is covered under existing SVPPP for facility. Pending data presented for soils by D. Hickmott. COPCs include Ba, Pb, and HE. Proposed to be remediated as part of MDA P Clean Closure project.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Follow up on run-on diversion proposed during the annual compliance evaluation performed by ESA staff.	ESH-18/FM

Actions Proposed by ER, FM or ESH-T8:		Owner:	Target Date:	Actual Date:
Item: 1	Site will be revisited to determine if adequate run-on diversion has been implemented	ESH-18/FM	1/1/99	11/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Earthen berm below flash pad has been fortified, and run-on diversion improvements have been recommended.

Frequency: Contact:

Tabular List of BMPs:

earthen berm
run-on diversion

Records Held:

General Comments:

Active facility is located completely within the MDA-P Clean Closure Project's boundary. Future activity should be monitored to determine if MDA-P is being impacted.

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 16-012(t)

PRS:	16-012(t)			
SWAT Meeting Date:	1/7/1998	FMU Contact:	Judith Huchton	
Official Submittal Date:	6/2/1998	ER Contact:	Don Hickmott	
Constituent Data:	No	Erosion Matrix:	3.6	

General SWAT Comments:

Satellite storage unit located at 16-370, with no erosion potential. Reviewed as part of the entire 16-370 geographic area for this meeting.

Date of Part B Revision: 2/4/1998 Revisit Recommended Revisit Date: 2/4/1998

Revisit Comments:

Site has no potential to contribute contaminants. No BMPs recommended.

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Recalculate the Part B Matrix score to reflect the satellite storage status.	ESH-18

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Score recalculated to reflect the satellite storage status.	ESH-18	FY98	1/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: Contact: Mary Jane Winch	Records Held: Pueblo Complex

General Comments:

Original assessment 8/22/97
 Part B revised 1/12/98 due to SWAT meeting
 Part B revised 2/4/98 due to inconsistencies in completion of RFI Report for this site. Other local PRS were separated and assessed on their own.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 16-016(a)**

PRS:	<input type="text" value="16-016(a)"/>	FMU Contact:	<input type="text" value="Judith Huchton"/>
SWAT Meeting Date:	<input type="text" value="3/12/1998"/>	ER Contact:	<input type="text" value="Don Hickmott"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	Erosion Matrix:	<input type="text" value="17.5"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

The AP 4.5 Part B field assessment for this PRS was performed at the wrong location. Therefore the "high priority" designation for this site will be re-evaluated.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Site was revisited and the erosion assessment was recalculated as suggested by the SWAT.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Perform the field assessment at the appropriate location, re-evaluate the erosion potential and address at a future SWAT meeting	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Site will be re-evaluated	ESH-18	FY98	6/9/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment		Tabular List of BMPs:	
Frequency	<input type="text"/>	Contact	<input type="text" value="Mary Jane Winch"/>
		Records Held:	<input type="text" value="Pueblo Complex"/>

General Comments:

The SWAT meeting held on 3/18/98 determined that the wrong PRS (16-016(c)) was originally assessed. The 17.5 score was estimated and will be verified.

16-016(a) - 04.1998

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 16-016(c)**

PRS:	16-016(c)	FMU Contact:	Judith Huchton
SWAT Meeting Date:	1/7/1998	ER Contact:	Kenneth Bostick
Official Submittal Date:	6/2/1998	Erosion Matrix:	72
Constituent Data:	Yes		

General SWAT Comments:

Banum nitrate storage area that was located in and possibly near decommissioned bum pad 16-386. Lower PRS boundary is impacted by western access road to MDA P. Site is included in the MDA P Storm Water Pollution Prevention Plan.

Date of Part B Revision: Revisit Recommended Revisit Date: 10/1/1998

Revisit Comments:

The MDA P project has expanded greatly and has enhanced all BMPs on-site. The western access road has been regraded and re-routed and BMPs have been installed at all access points. The existing SWPPP for the site has been modified to reflect the new changes.

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Recommend additional BMPs including flow dissipation (water bars)	ER
Item: 2 Additional sediment controls at locations where blowouts have occurred along roadway.	ER

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Flow dissipation controls will be installed along access road	ER	FY98	10/98
Item: 2 Sediment/Erosion controls will be upgraded and maintained as required by the SWPPP PLAN	ER	FY98	10/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Site regrading has been performed to direct flow away from landfill. Outlet protection is provided at all upslope culverts, run-on diversion extends across the upper portion of site to direct flows away from landfill, straw bale barriers and vegetative buffers exist along the western access road.

Tabular List of BMPs:

regrading
rock outlet protection
run-on diversion
straw bale barrier
vegetative buffer strip

Frequency: Weekly Contact: Kenneth Bostick Records Held: MK/PMC

General Comments:

SWPPP PLAN modification is complete and is being implemented.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 16-018**

SUN • UTILITIES • WATER

PRS:	16-018	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	11/20/1998	ER Contact:	Kenneth Bostick
Official Submittal Date:	12/15/1998	Erosion Matrix:	69.3
Constituent Data:	No		

General SWAT Comments:

An industrial landfill that contains wastes from the synthesis, processing, and testing of HE (MDA P). It is located in TA-16 near the south rim of Canon de Valle, just north of the TA-16 thermal treatment area's pad TA-16-387. The impacted area is approximately 170 ft. (north/south) by 400 ft. (east/west). Ken Bostick gave overview of the Clean Closure Project and a description of the existing BMPs on site.

Date of Part B Revision: _____ Revisit Recommended: Revisit Date: _____

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 No further recommendations at this time	ER

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 No further recommendations at this time.	ER		

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
 Site regrading has been performed to direct flow away from landfill. Outlet protection is provided at all upslope culverts, run-on diversion extends across the upper portion of site to direct flows always from landfill, straw bale barriers and vegetative buffers exist along the western access road.

Tabular List of BMPs:

asphalt/concrete repaving
covering, plastic
earth berm
sediment trap
seeding, permanent
silt fence
straw bale barrier

Frequency: Weekly Contact: Kenneth Bostick Records Held: MK/PMC

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 16-020**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

A small stream channel on the south side of building 16-222 that slopes gently to a confluence with the main channel of Canon de Valle. The channel was created by the former NPDES 06A073 outfall combined with building roof drains. COPCs for this PRS consist of Ag and Cr.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Inspect & maintain existing BMPs, especially where "blowouts" have occurred.	ER
Item: 2	Implement another level of straw bale check dams to improve effectiveness	ER
Item: 3	Prioritize scheduling of VCA/VCM for FY99 baseline activities	ER
Item: 4	Consider monitoring surface water runoff below site within Canon de Valle.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Blowouts found have been fixed.	ER	FY98	8/97
Item: 2	Will install another check dam downstream	ER	8/98	10/98
Item: 3	Agree - Funding limited but will recommend through HRMB	ER	FY00	
Item: 4	Watershed Team's DQO for Canon de Valle incorporated COPCs for this PRS	ER/ESH-18	FY99	10/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Straw bale check dams have been installed within the channel prior to the "bend" in channel. BMPs upgraded 8/97. Additional straw bale check dam installed down drainage 10/98

Tabular List of BMPs:

check dam
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

PRR - INFORMATION - 03/12/98

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 16-021(c)**

PRS:	16-021(c)	FMU Contact:	Dan Macdonell
SWAT Meeting Date:	11/10/1997	ER Contact:	Don Hickmott
Official Submittal Date:	6/21/1998	Erosion Matrix:	73.3
Constituent Data:	Yes		

General SWAT Comments:

Inactive HE sump outfall near 16-260. The PRS is a 600-ft. drainage channel, which discharges in Canon de Valle. PCOCs include barium, uranium and HE compounds.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

This site is routinely visited to verify BMP effectiveness.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Make assurance that undercutting is not occurring through existing controls	ER
Item: 2	Consideration of permanent run-on controls (i.e., asphalt berm) behind 16-260.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Inspection and maintenance program is in place.	ER	ongoing	
Item: 2	Permanent run-on controls will be installed.	ER	FY99	11/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Existing BMPs include run-on controls, straw bale check dams and jute matting within the channel at several locations. BMPs installed 9/30/96. Additional BMPs were upgraded 11/98.

Tabular List of BMPs:

covering, poly/jute
run-on diversion
sandbags
storm drain, temporary diversion
straw bale barrier

Frequency Contact Records Held:

General Comments:

Plastic placed over inactive sump trench to keep surface water from infiltrating and discharging into 16-260 drainage. PVC pipe from existing outfall was extended +/- 400 feet around contaminated drainage down to Canon de Valle. Concrete curb provided.

FNUF - 01/06/99 - 10:11:10

Surface Water Assessment Team (SWAT)

Recommended and Proposed Actions for PRS 16-026(a)

PRS:	16-026(a)			
SWAT Meeting Date:	3/12/1998	FMU Contact:	Dan Macdonell	
Official Submittal Date:	6/2/1998	ER Contact:	Don Hickmott	
Constituent Data:	No	Erosion Matrix:	73.5	

General SWAT Comments:

The AP 4.5 Part B field assessment for this PRS was performed at the wrong location. Therefore the "high priority" designation for this site will be re-evaluated. The actual site 16-026(b) was addressed at an earlier SWAT meeting.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Perform the field assessment at the appropriate location, re-evaluate the erosion potential.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Perform the field assessment at the appropriate location, re-evaluate the erosion potential.	ESH-18	8/98	6/9/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input style="width: 100px;" type="text"/>	Contact: <input style="width: 100px;" type="text" value="Mary Jane Winch"/> Records Held: <input style="width: 100px;" type="text" value="Pueblo Complex"/>

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 16-026(c2)**

PRS:	<input type="text" value="16-026(c2)"/>	FMU Contact:	<input type="text" value="Dan Macdonell"/>
SWAT Meeting Date:	<input type="text" value="3/12/1998"/>	ER Contact:	<input type="text" value="Don Hickmott"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	Erosion Matrix:	<input type="text" value="61.8"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

16-026(c2) is a former drain line from a chemical storage building 16-462. The drain line discharged into a collection pit, which is completely filled with sediment. Effluent collects in the pit and then flows southeast into a drainage ditch, which leads to a CMP draining to the northeast. The storage building is currently inactive, the floor drains and drain lines have been plugged. The CMP discharges into the drainage of PRS 16-026(v), a former NPDES permitted (05A072) outfall from building 16-460.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Implement BMPs immediately downstream from 16-026(v) to dissipate flow and control sediment migration from both sources.	ER
Item: 2	Consider surface water monitoring location downstream from combined sources.	ER/ESH-18
Item: 3	Collect a sediment sample from the collection pit	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Flow dissipation (i.e. riprap) will be installed with straw bale check dams below.	ER	8/98	10/98
Item: 2	Water Canyon DQOs have been completed by the Watershed Team and the COPCs for this site have been addressed.	ER/ESH-18	FY98	10/98
Item: 3	Will collect sediment sample within collection pit and above adjacent culvert if possible	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Straw bales installed 10/14/98 in drainage before culvert. Very thick vegetative cover was observed at the site so nrap was considered excessive.

Tabular List of BMPs:

Frequency: Contact: Records Held:

General Comments:

11-17-99 10:00 AM

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 16-026(h2)

PRS:	<input type="text" value="16-026(h2)"/>		
SWAT Meeting Date:	<input type="text" value="3/12/1998"/>	FMU Contact:	<input type="text" value="Dan Macdonell"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	ER Contact:	<input type="text" value="Don Macdonell"/>
Constituent Data:	<input type="text" value="Yes"/>	Erosion Matrix:	<input type="text" value="61"/>

General SWAT Comments:

Inactive outfall associated with HE sump at building 16-360 (05A159). A catch basin located below the former outfall has collected most of the potentially contaminated sediment. Sediment sampling downstream within the drainage confirms that migration of contaminants has not occurred. Since the outfall no longer discharges, no immediate potential exists for migration.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Clean out accumulated sediments within the catch basin.	ER/FM

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Sediments will not be removed from the catch basin at this time. Cost for waste storage and removal exceeds the cost of implementing a best management practice at that site.	ER/FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
A straw bale and rock dam was installed within the catch basin. A natural brush barner also exists within the catch basin. These should be effective in preventing sediment migration.

Tabular List of BMPs:

brush barner
straw bale barner

Frequency Contact Records Held:

General Comments:

Will attempt to collect storm water sample from basin in the summer of 99.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 16-026(v)**

PRS:	<input type="text" value="16-026(v)"/>	FMU Contact:	<input type="text" value="Dan Macdonell"/>
SWAT Meeting Date:	<input type="text" value="3/12/1998"/>	ER Contact:	<input type="text" value="Don Hickmott"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	Erosion Matrix:	<input type="text" value="CS.8"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

16-026(c2) is a former drain line from a chemical storage building 16-462. The drain line discharged into a collection pit, which is completely filled with sediment. Effluent collects in the pit and then flows southeast into a drainage ditch, which leads to a CMP draining to the northeast. The storage building is currently inactive, the floor drains and drain lines have been plugged. The CMP discharges into the drainage of PRS 16-026(v), a former NPDES permitted (05A072) outfall from building 16-460.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Implement BMPs immediately downstream from 16-026(v) to dissipate flow and control sediment migration from both sources (16-026(c2)).	ER
Item: 2	Consider surface water monitoring location downstream from combined sources.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Flow dissipation (i.e. nrap) will be installed with straw bale check dams below.	ER	8/98	10/98
Item: 2	Watershed Management Team has completed the DQD process for Water Canyon and has recommended appropriate locations for monitoring.	ESH-18	FY99	10/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
<input type="text" value="straw bale check dam installed within drainage below site 10/98."/>	<input type="text" value="straw bale barrier"/>
Frequency <input type="text" value="3 Months"/>	Contact <input type="text" value="Kristi Begun"/>
	Records Held: <input type="text" value="NCF"/>

General Comments:

02-10-111007000 • 04-1-93

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 16-028(b)**

PRS:	<input type="text" value="16-028(b)"/>	FMU Contact:	<input type="text" value="Judith Huchton"/>
SWAT Meeting Date:	<input type="text" value="1/7/1998"/>	ER Contact:	<input type="text" value="Don Hickmoff"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	Erosion Matrix:	<input type="text" value="83"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Potentially contaminated soil from permitted outfall 04A092 which has been eliminated. The outfall daylights approximately 50 feet south of 16-370 onto a steep rocky area above Water Canyon.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Determine if septic discharges are an additional source to this channel.	ER/ESH-18
Item: 2	Perform investigative sampling to determine if CPOCs are present. If so, recommend appropriate BMPs to control migration.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Review engineering drawings and re-assess	ER/ESH-18	8/98	
Item: 2	One sample will be collected in pre-determined locations.	ER	8/98	12/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:
 Frequency: Contact: Records Held:

General Comments:

One sediment sample was collected directly below outfall on 12/6/98 (Sample ID # RE16-98-2013).

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Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 16-030(g)

PRS:	16-030(g)			
SWAT Meeting Date:	1/7/1998	FMU Contact:	Judith Huchton	
Official Submittal Date:	6/2/1998	ER Contact:	Don Hickmott	
Constituent Data:	Yes	Erosion Matrix:	71	

General SWAT Comments:

Inactive HE sump/outfall associated with NPDES Outfall 05A-052 at 16-380. Roof drains from the building are still connected to this outfall.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Recommend BMPs for flow dissipation	ER
Item: 2 Recommend sediment controls within defined channel.	ER

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Silt fence installed along barb wire fence to slow flows.	ER	8/98	10/98
Item: 2 Straw bale check dam was installed within channel.	ER	8/98	10/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

Frequency	3 Months	Contact	Kristi Begun	Records Held:	ICF
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silt fence
straw bale barrier

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 16-031(a)

PRS:	16-031(a)	FMU Contact:	Judith Huchton
SWAT Meeting Date:	1/7/1998	ER Contact:	Don Hickmott
Official Submittal Date:	6/2/1998	Erosion Matrix:	27.9
Constituent Data:	NO		

General SWAT Comments:

Area of potentially contaminated soil associated with decommissioned cooling tower. Buried VCP trends south to edge of canyon approximately 150 feet.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Perform investigative sampling to determine if CPOCs are present.	ER
Item:	2 If so, recommend appropriated BMPs to control migration.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 One sample will be collected at pre-determined locations.	ER	8/98	12/98
Item:	2 Appropriate BMPs will be installed if analytical results show a problem.	ER	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input style="width: 100px;" type="text"/>	Contact: <input style="width: 100px;" type="text" value="Mary Jane Winch"/> Records Held: <input style="width: 100px;" type="text" value="Pueblo Complex"/>

General Comments:

Awaiting analytical results prior to BMP recommendation.

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 18-003(c)

PRS:	<input type="text" value="18-003(c)"/>		
SWAT Meeting Date:	<input type="text" value="7/28/1998"/>	FMU Contact:	<input type="text" value="Evelyn Mullen"/>
Official Submittal Date:	<input type="text" value="8/3/1998"/>	ER Contact:	<input type="text" value="Denny Katzman"/>
Constituent Data:	<input type="text" value="Yes"/>	Erosion Matrix:	<input type="text" value="623"/>

General SWAT Comments:

Septic system in TA-18. Erosion assessment noted sheet flow runoff which was not causing apparent erosion. Constituents of concern include Hg, Pu, SVOCs, and metals.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Check run-on to drain field, which could mobilize contaminants to ground water.	ER
Item:	2 Maintain existing BMPs and inspect per BMP Guidance Document	ER
Item:	3 Continue monitoring program in Pajarto Canyon.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 BMPs installed by ER to address contaminant mobilization concern	ER	6/98	6/98
Item:	2 BMPs will be inspected per Guidance Document	ER	Ongoing	
Item:	3 Pajarto Canyon DQOs have been completed by the Watershed Team and the COPCs for this site have been addressed.	ESH-18	FY98	9/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Jute mat laid to impede surface water run-off and for erosion control. BMP, coconut husk matting rolled into "silt log" at ends, was installed approximately May 1998.

Tabular List of BMPs:

Frequency Contact

Records Held:

General Comments:

BMP documentation exists in master file.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 18-010(f)**

PRS:	18-010(f)	FMU Contact:	Evelyn Mullen
SWAT Meeting Date:	7/28/1998	ER Contact:	Danny Katzman
Official Submittal Date:	8/3/1998	Erosion Matrix:	62.3
Constituent Data:	Yes		

General SWAT Comments:

Roof drains in TA-18, Pajanto Canyon Site. Constituents of concern include Hg, U. Erosion score was high, mainly due to PRS location in canyon floor and runoff terminus in Pajanto Canyon watercourse. No BMPs currently in place.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Determine whether outfall was impacted by waste stream corrections (WCS) program.	ESH-18
Item: 2 Stabilize outlet.	ER

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 ESH-18 will follow up on WCS issue	ESH-18	FY98	
Item: 2 Outlet is relatively stable to date. If future inspections determine the outfall is not stable, appropriate actions will be taken.	ER	FY98	10/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment: Tabular List of BMPs:

Frequency: Contact: Karl Manoss Records Held:

General Comments:

Outfall is inactive, and will be observed for storm water discharges during future inspections

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11/11/98
11/11/98

WATER RESOURCES DIVISION

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 18-012(a)**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Septic outfall from 18-116 (Kiva 3) area. CPOCs include Hg, titanium, Pb.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Confirm if outfall was plugged by WSC corrective action.	ESH-18
Item: 2	Maintain and/or improve existing vegetation in area.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	WSC report will be reviewed	ESH-18	1/99	
Item: 2	Vegetation will be maintained.	FM	Ongoing	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Frequency: Contact: Records Held:

Tabular List of BMPs:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 20-003(c)**

PRS:	<input type="text" value="20-003(c)"/>	FMU Contact:	<input type="text" value="Edward Roth"/>
SWAT Meeting Date:	<input type="text" value="9/30/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="10/1/1998"/>	Erosion Matrix:	<input type="text" value="57.4"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Review existing/pending data and re-evaluate at future SWAT meeting.	ER
Item: 2	Assure that the correct site was assessed with regards to erosion potential.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Site data will be evaluated and input will be provided at a future SWAT meeting.	ER	FY02	
Item: 2	Site will be re-visited to assess adequacy of erosion score.	ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 21-011(c)**

PRS:	<input type="text" value="21-011(c)"/>	FMU Contact:	<input type="text" value="Sara Helmick"/>
SWAT Meeting Date:	<input type="text" value="1/21/1998"/>	ER Contact:	<input type="text" value="Gary McMath"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="S4"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Absorption beds, pits, shafts and former tank area within MDA-T. A 2-4' clean fill cap is in place with good vegetative cover and minimal erosion on-site. The boundary between MDA-T and PRS 21-011(k) (inactive industrial outfall) has been designated and the common drainage channel between the two sites has been redirected. Pu and Am are the "fingerprint" COPCs for MDA-T, while Cs and Sr are the "fingerprint" COPCs for 21-011(k).

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Perform rad screening along DP road and within lower drainage channels above DP Canyon.	ER
Item: 2	Maintain existing sediment controls placed within lower drainage channels and run-on diversion controls.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Perform rad screening along DP road and within lower drainage channels above DP Canyon.	ER	FY 99	
Item: 2	Maintain existing sediment controls placed within lower drainage channels and run-on diversion controls.	ER	Ongoing	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Asphalt diversion channels on east and west boundary of MDA-T fenced area. Straw bale places in drainages below DP Road.

Tabular List of BMPs:

run-on diversion, asphalt
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 21-011(k)

PRS:	<input type="text" value="21-011(k)"/>		
SWAT Meeting Date:	<input type="text" value="11/10/1997"/>	FMU Contact:	<input type="text" value="Sara Helmick"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	ER Contact:	<input type="text" value="Gary McMath"/>
Constituent Data:	<input type="text" value="Yes"/>	Erosion Matrix:	<input type="text" value="72"/>

General SWAT Comments:

The former radioactive liquid waste discharge outfall for TA-21 had an interim action performed in the summer of 1996. Over 400 cu/yd of contaminated soil was removed. The BMPs installed to control erosion/ sediment transport include run-on diversion (sandbags), straw mulch application on hillside slope, straw bale check dams installed at three areas perpendicular to slope, and silt fences installed at the bottom of slope above DP Canyon drainage. DOE/OB was impressed with the existing controls.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Submittal of existing confirmation sample data to DOE/OB and a proposed schedule for completion of remediation at site.	ER
Item:	2 Propose storm water monitoring through DP Canyon Work Plan.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Submittal of existing confirmation sample data to DOE/OB and a proposed schedule for completion of remediation at site.	ER	FY 98	
Item:	2 Storm water monitoring proposed through DP Canyon Work Plan in coordination with watershed management effort.	ER/ESH-18	FY 98	7/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Sand bags used on top for diversion of run-on. Silt fence and straw bale check dams and straw mulch are used extensively. BMPs installed 10/31/96

Tabular List of BMPs:

mulching
run-on diversion
sandbags
silt fence
straw bale barrier

Frequency Contact Records Held:

General Comments:

Weekly inspections are no longer performed. The site is inspected on a monthly basis or after rainfall events greater than .5 inches. Follow up on date interim action report was submitted. Run-on BMPs were upgraded in October of 1998.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 21-013(b)**

PRS:	<input type="text" value="21-013(b)"/>	FMU Contact:	<input type="text" value="Sara Helmick"/>
SWAT Meeting Date:	<input type="text" value="2/19/1998"/>	ER Contact:	<input type="text" value="Gary McMath"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="67"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Located on southern edge of DP Mesa southwest of MDA V. The site contains concrete building debris which was pushed into canyon from demolition of building 21-33 in 1965. Asphalt was also poured over the edge and is believed to be an attempt to stabilize the slope.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Visit bench below site to determine if any channelization is occurring. If so, surface water monitoring is recommended to certify water quality	ER/ESH-18
Item: 2	Flow dissipation controls may be appropriate in adjacent drainage channel leaving mesa's edge	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Visit bench below site to determine if any channelization is occurring. If so, surface water monitoring is recommended to certify water quality	ER/ESH-18	FY 98	
Item: 2	Re-evaluate after site visit	ER/ESH-18	FY 98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
<input type="text" value="Run-on controls for MDA-V. Also, asphalt on site stabilizes slope."/>	<input type="text" value="asphalt/concrete repaving"/>
Frequency: <input type="text" value="3 Months"/>	Records Held: <input type="text" value="Pueblo Complex"/>
Contact: <input type="text" value="Jeff Waltersched"/>	

General Comments:

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Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 21-013(f)

PRS:	21-013(f)	FMU Contact:	Sara Herrick
SWAT Meeting Date:	2/19/1998	ER Contact:	Gary McMuth
Official Submittal Date:	6/17/1998	Erosion Matrix:	15.8
Constituent Data:	No		

General SWAT Comments:

PRS which falls within the boundary of PRS 21-003 and site with known PCB contaminants near building 21-61. Phase I sampling complete but no report has been generated to date.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Proposal to NFA 21-013(f) by combining with 21-003 for administrative and geographic purposes.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Proposal to NFA 21-013(f) by combining with 21-003 for administrative and geographic purposes is ongoing with the PRS consolidation effort.	ER	FY 99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment: Tabular List of BMPs:

Frequency: Contact: Records Held:

General Comments:

21-003 SAP being developed FY 98.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 21-013(g)**

PRS:	<input type="text" value="21-013(g)"/>	FMU Contact:	<input type="text" value="Sara Helmick"/>
SWAT Meeting Date:	<input type="text" value="2/19/1998"/>	ER Contact:	<input type="text" value="Gary McMath"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="67"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Consists of two drain lines and associated building debris directly south of MDA V. It was determined that the drain lines are not associated with MDA V activities. Site is adjacent to 21-013(b) with surface water runoff going over the mesa's edge and not directly into the same drainage channel as 21-013(b).

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Visit bench below site to determine if any channelization is occurring. If so, surface water monitoring is recommended to certify water quality.	ER/ESH-18
Item: 2	Flow dissipation controls may be appropriate in adjacent drainage channel leaving mesa's edge	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Site has been coordinated with Watershed Management Team and the LA Canyon DDO process for COPCs	ER/ESH-18	FY 98	7/98
Item: 2	Visit bench below site to determine if any channelization is occurring.	ER	FY 98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment: Tabular List of BMPs:

Frequency: Contact: Records Held:

General Comments:

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**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 21-016(b)**

PRS:	<input type="text" value="21-016(b)"/>	FMU Contact:	<input type="text" value="Sara Helmick"/>
SWAT Meeting Date:	<input type="text" value="1/21/1998"/>	ER Contact:	<input type="text" value="Gary McMath"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="S4"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Absorption beds, pits, shafts and former tank area within MDA-T. A 2'-4" clean fill cap is in place with good vegetative cover and minimal erosion on-site. The boundary between MDA-T and PRS 21-011(k) (inactive industrial outfall) has been designated and the common drainage channel between the two sites has been redirected. Pu and Am are the "Fingerprint" COPCs for MDA-T, while Cs and Sr are the "Fingerprint" COPCs for 21-011(k). Proposed Action: Perform rad screening along DP road and within lower drainage channels above DP Canyon. Maintain existing sediment controls placed within lower drainage channels and run-on diversion controls. Review site for point source determination. Maintain asphalt run-on channels (ER Project)

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:

Item:	Description	Owner:
1	Perform rad screening along DP road and within lower drainage channels above DP Canyon.	ER
2	Maintain existing sediment controls placed within lower drainage channels.	ER

Actions Proposed by ER, FM or ESH-18:

Item:	Description	Owner:	Target Date:	Actual Date:
1	Perform rad screening along DP road and within lower drainage channels above DP Canyon.	ER	FY 98	
2	Maintain existing sediment controls placed within lower drainage channels and run-on diversion controls.	ER	Continues	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Asphalt diversion channels on east and west boundary of MDA-T fenced area. Straw bales placed in drainages below DP Road.

Tabular List of BMPs:

run-on diversion, asphalt
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

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Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 21-016(c)

PRS:	<input type="text" value="21-016(c)"/>		
SWAT Meeting Date:	<input type="text" value="1/21/1998"/>	FMU Contact:	<input type="text" value="Sara Helmick"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	ER Contact:	<input type="text" value="Gary McMath"/>
Constituent Data:	<input type="text" value="Yes"/>	Erosion Matrix:	<input type="text" value="S4"/>

General SWAT Comments:

Absorption beds, pits, shafts and former tank area within MDA-T. A 2-4' clean fill cap is in place with good vegetative cover and minimal erosion on-site. The boundary between MDA-T and PRS 21-011(k) (inactive industrial outfall) has been designated and the common drainage channel between the two sites has been redirected. Pu and Am are the "fingerprint" COPCs for MDA-T, while Ca and Sr are the "fingerprint" COPCs for 21-011(k). Proposed Action: Perform rad screening along DP road and within lower drainage channels above DP Canyon. Maintain existing sediment controls placed within lower drainage channels and run-on diversion controls. Review site for point source determination. Maintain asphalt run-on channels (ER Project)

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Perform rad screening along DP road and within lower drainage channels above DP Canyon	ER
Item:	2 Maintain existing sediment controls placed within lower drainage channels and run-on diversion controls	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Perform rad screening along DP road and within lower drainage channels above DP Canyon	ER	FY 98	
Item:	2 Maintain existing sediment controls placed within lower drainage channels and run-on diversion controls	ER	Ongoing	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Frequency: Contact:

Tabular List of BMPs:

<input type="text" value="run-on diversion, asphalt"/>
<input type="text" value="straw bale barrier"/>

Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 21-024(e)**

PRS:	<input type="text" value="21-024(e)"/>	FMU Contact:	<input type="text" value="Sara Helmick"/>
SWAT Meeting Date:	<input type="text" value="11/5/1998"/>	ER Contact:	<input type="text" value="Gary McMath"/>
Official Submittal Date:	<input type="text" value="11/9/1998"/>	Erosion Matrix:	<input type="text" value="55"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Septic system near 21-20. Emptied and filled with gravel in 1995. Discharges into BV Canyon located above Los Alamos Canyon.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Coordinate monitoring effort with similar sites on south edge of Los Alamos Canyon and the Watershed Management Program.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	DDO for Los Alamos Canyon has been completed and have incorporated source terms from the south edge of LA Canyon	ER/ESH-18	FY98	7/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Straw bale check dam installed down-slope of excavation. Plastic sheeting used to cover project upon completion. Reseeding and jute mat used for final stabilization. BMPs installed 8/31/95

Tabular List of BMPs:

covering, plastic
covering, poly-rute
seeding, permanent
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

DATE: 11/09/98 BY: JFW

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 21-024(h)**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Septic system remediated and backfilled by VCA in 1995. Overflow from tank found in drainage. Pu-239 is COPC.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Provide updated site maps with Phase I data	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Provided in VCA Report, will re-submit copy of map	ER	FY 98	6/19/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Straw bale check dam installed down-slop of excavation. Plastic sheeting used to cover project upon completion. Reseeding and jute mat used for final stabilization. BMPs inspected: 7/31/95.

Tabular List of BMPs:

covering, plastic
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

Need to send copy of map and data from VCA report to NMED as a Part A submittal (report in file)

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**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 21-024(i)**

DRAFT - UNCLASSIFIED - 6/1/99

PRS:	21-024(i)	FMU Contact:	Sara Helmick
SWAT Meeting Date:	1/21/1998	ER Contact:	Gary McMath
Official Submittal Date:	6/17/1998	Erosion Matrix:	53.7
Constituent Data:	Yes		

General SWAT Comments:

Inactive septic system south of 21-209 (1965) scheduled for VCA in FY 98. COPCs include Hg, As, V and radionuclides. COPCs also found on lower bench.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Cleanup of mesa top area and isolated bench areas.	ER
Item: 2 Improve existing BMPs on mesa top, assure run-on/sediment controls are effective.	ER
Item: 3 Visit lower bench to assure that channelization is not occurring.	ER

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Soil was removed from end of septic outfall on mesa top	ER	FY 98	11/98
Item: 2 Existing BMPs were upgraded after interim action was completed.	ER	FY 98	11/98
Item: 3 Will assess lower bench and install BMPs if necessary.	ER	FY 99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Straw mulch, sandbags and straw bales are being maintained on-site. BMPs installed 11/30/96. Additional BMPs were installed 11/98 after Interim Action.

Tabular List of BMPs:

brush barrier
covering, plastic
covering, poly-jute
seeding, permanent
straw bale barrier

Frequency 3 Months Contact Jeff Walterscheid Records Held: Pueblo Complex

General Comments:

Weekly inspections are no longer performed. The site is inspected on a monthly basis or after rainfall events greater than .5 inches.

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 21-026(d)

PRS:	21-026(d)		
SWAT Meeting Date:	1/21/1998	FMU Contact:	Sara Helmick
Official Submittal Date:	8/17/1998	ER Contact:	Gary McMath
Constituent Data:	Yes	Erosion Matrix:	39 5

General SWAT Comments:

Inactive WWTF (055) outfall. Since 1991, effluent has been pumped out by truck and taken to SWCS. No erosion was observed at the outfall, so migration of COPCs is not suspected.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Revisit to assess whether sediment is depositing within channel. If so, perform verification sampling to fill in gaps in existing data	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Will assess and provide BMP or additional sampling if necessary.	ER/ESH-18	FY 00	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency <input style="width: 100px;" type="text"/>	Records Held: <input style="width: 100px;" type="text"/>
Contact <input style="width: 100px;" type="text"/>	

General Comments:

Track down report/NOD status then proceed with appropriate action

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 21-027(a)

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Inactive NPDES outfall 03A031. No storm water sources are connected to this outfall (VWSC Report #78)

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Follow up with scheduled Phase II sampling.	ER

Actions Proposed by ER, FM or ESH-1B:		Owner:	Target Date:	Actual Date:
Item: 1	Follow up with scheduled Phase II sampling.	ER	FY 99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Frequency Contact Tabular List of BMPs:

Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 21-027(b)**

PRS:	<input type="text" value="21-027(b)"/>	FMU Contact:	<input type="text" value="Sara Helmick"/>
SWAT Meeting Date:	<input type="text" value="1/21/1998"/>	ER Contact:	<input type="text" value="Gary McMath"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="46.8"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Active NPDES outfall 03A034. Building 21-157 has (2) floor drains connected to the outfall (VWSC Report #80). No visible erosion observed.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 No ER action required	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 No ER action required	ER		

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment		Tabular List of BMPs:	
Frequency	<input type="text"/>	Contact	<input type="text"/>
		Records Held:	<input type="text"/>

General Comments:

10001 • 11/03/98 • 014175

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 21-029

PRS:	21-029		
SWAT Meeting Date:	11/10/1997	FMU Contact:	Sara Helmick
Official Submittal Date:	6/17/1998	ER Contact:	Gary McMath
Constituent Data:	Yes	Erosion Matrix:	67

General SWAT Comments:

Known as DP Tank Farm had a VCA completed in July of 1996. The underground tanks at East Fill Station were removed and the site was backfilled. The site was then reseeded and covered with jute matting and straw bale check dams were placed along the fence line on the northern boundary of the site. An 80% vegetative cover was achieved and a Notice of Termination was filed with the EPA to close out the existing permit for discharges of storm water from the site.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 A clarification of ERs requirement to perform quarterly visual inspections and annual surface water monitoring was requested. A submittal of quarterly visual inspection records to date and field verification of where the observed gully erosion described.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 ER will respond to compliance order and further actions will be required.	ER	7/98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
 Jute matting, straw bales. BMPs installed 4/30/96.

Tabular List of BMPs:
sandbags
seeding, permanent
straw bale barrier

Frequency Contact Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 22-014(b)**

PRS:	<input type="text" value="22-014(b)"/>	FMU Contact:	<input type="text" value="Tom Alexander"/>
SWAT Meeting Date:	<input type="text" value="11/5/1998"/>	ER Contact:	<input type="text" value="Don Hickmott"/>
Official Submittal Date:	<input type="text" value="11/9/1998"/>	Erosion Matrix:	<input type="text" value="56"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Sump and outfall from 22-34. Inactive outfalls include NPDES 05A064 and 05A078 commingled at source and also combines with former outfall 128 from main TA-22 Administration Building. COPCs include low levels of Cd, Pb, Zn and Ag. Small wetland area located +/- 1/4 mile down stream.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Consider flow dissipation within main channel above wetland associated with Administrative Bldg. SWUM channel is heavily vegetated.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Revisit site for determination of appropriate locations.	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency <input type="text"/>	Records Held: <input type="text"/>
Contact <input type="text"/>	

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 33-004(h)**

PRS:	<input type="text" value="33-004(h)"/>	FMU Contact:	<input type="text" value="Peter Bussolini"/>
SWAT Meeting Date:	<input type="text" value="9/30/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="10/1/1998"/>	Erosion Matrix:	<input type="text" value="56.6"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Outfall from 33-20 could not be found in field, site was located by use of geophysics and sampling was performed. COPCs include pesticides and inorganics at levels below SALs. Proposed for NFA (#5) in 1/95.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Site visited to determine need for run-on controls. PRS is completely covered by asphalt and consideration should be given to rescoring erosion potential score.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Consider run-on diversion controls	ER
Item: 2	Coordinate with Watershed Management Team on monitoring Chaquemi tributary.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Site revisited and run-on controls are not appropriate, the site is covered with asphalt	ER	Oct 98	Oct 98
Item: 2	DDO process for Chaquemi Canyon has been completed and the COPCs for the site have been addressed	ER/ESH-18	Oct 98	Oct 98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

Site is covered with asphalt and the surrounding area is heavily vegetated. The chance of sediment migration is low

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 33-006(a)

PRS:	<input type="text" value="33-006(a)"/>		
SWAT Meeting Date:	<input type="text" value="9/30/1998"/>	FMU Contact:	<input type="text" value="Peter Bussolin"/>
Official Submittal Date:	<input type="text" value="10/1/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Constituent Data:	<input type="text" value="Yes"/>	Erosion Matrix:	<input type="text" value="S6"/>

General SWAT Comments:

Inactive shot pad at TA-33 South Site. Adjacent to and partially included in 33-004(j). BMPs have been installed within the drainage area.

Date of Part B Revision: Rereview Recommended Rereview Date:

Rereview Comments:

Site visited to determine effectiveness of BMPs. Condition of straw bale check dams was good

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Maintain inspection and maintenance of BMPs	ER
Item:	2 Determine effectiveness of BMPs and improve if appropriate	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Inspection and maintenance of BMPs is ongoing	ER	Ongoing	Ongoing
Item:	2 Site rereviewed and BMPs were found to be effective in reducing sediment transport.	ER	Oct 98	Oct 98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
 Sand bag berms and straw bales in place as interim measure. BMPs installed 8/31/98. BMPs were installed within drainage in November of 1998

Tabular List of BMPs:

sandbags
straw bale barrier
Records Held: ICF Kaiser

Frequency: Contact:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 33-007(b)**

PRS:

SWAT Meeting Date:

FMU Contact:

Official Submittal Date:

ER Contact:

Constituent Data:

Erosion Matrix:

General SWAT Comments:

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:

Item:	Description	Owner:
1	Continue inspection and maintenance program until VCA is complete in FY99.	ER

Actions Proposed by ER, FM or ESH-18:

Item:	Description	Owner:	Target Date:	Actual Date:
1	Inspection and maintenance program is ongoing and will continue until final stabilization of the site is achieved	ER	Ongoing	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Sand bag berms and straw bales in place as interim measure. BMPs installed 8/31/96.

Tabular List of BMPs:

sandbags
straw bale barrier

Frequency:

Contact:

Records Held:

General Comments:

Quarterly inspections will continue until VCA is begun which is anticipated in the summer of 1999. Inspection frequency will then be weekly.

411A • UIC007(b) • 6/1/98

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 33-008(c)**

PRS:	<input type="text" value="33-008(c)"/>	FMU Contact:	<input type="text" value="Peter Bussolini"/>
SWAT Meeting Date:	<input type="text" value="9/30/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="10/1/1998"/>	Erosion Matrix:	<input type="text" value="56"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Landfill discovered in 1996 when debris was exposed due to erosion along fence line. Most of TA-33, Main Site drains to this area located within a tributary of Chaquenhui Canyon. Debris was observed within the drainage and COPCs include Hg, PCB and Pb.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Site visited by Mike Alexander, Steve Veenis, Linda Flux and Scott Alexander. Debris consists of bottles, scrap metal, wood, rebar and misc trash. The existing straw bale check dam below site will be replaced with a silt fence, the debris will be removed and channel slope stabilization will be provided.

Actions Recommended at SWAT Meeting:			Owner:
Item:	1	Maintain or replace existing BMPs within channel.	ER
Item:	2	Remove visible debris from drainage channel.	ER
Item:	3	Reprioritize baseline due to debris and known contaminants found within watercourse.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1	Straw bale check dam will be replaced with silt fence	ER	Nov 98
Item:	2	Debris will be removed and an IA will be implemented	ER	FY99
Item:	3	Discussion will take place regarding reprioritization	ER	FY99

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
<input type="text" value="Straw bale check dam was replaced with a silt fence directly below the culvert."/>	<input type="text" value="silt fence"/>
Frequency: <input type="text" value="3 Months"/>	Contact: <input type="text" value="Linda Flux"/>
Records Held: <input type="text" value="ICF Kaiser"/>	

General Comments:

IA Plan being developed, anticipated implementation is Spring of 1999. Plan includes debris removal and stabilization of stream banks.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 33-010(b)**

PRS:	<input type="text" value="33-010(b)"/>	FMU Contact:	<input type="text" value="Peter Bussolini"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="45"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Timbers and large ball of metal turnings previously located 60 feet below mesa edge on bench. Site remediated July 1996

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

No current operations. This PRS has been remediated through a VCA conducted in July, 1996. The site has been revegetated, and ownership has reverted back to the facility. Site has achieved final stabilization. The straw bale check dams are still at the site and will be allowed to disintegrate.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Confirm if staging area for site remediation has been finally stabilized.	ER
Item: 2	Review confirmatory sample data for sediment requested.	ER/SWAT
Item: 3	Re-evaluate Part B erosion assessment score.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Site revisited and is finally stabilized.	ER	Oct 98	Nov 98
Item: 2	Will review confirmatory sample data and provide copies to NMED/SWQB	ER/SWAT	Oct 98	
Item: 3	Will re-evaluate Part B erosion assessment score	ER/ESH-18	Oct 98	Nov 98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

seedling, permanent
straw bale barrier

Frequency Contact Records Held:

General Comments:

03/14/99 09:00:00 AM

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 33-010(c)**

PRS:

SWAT Meeting Date:

FMU Contact:

Official Submittal Date:

ER Contact:

Constituent Data:

Erosion Matrix:

General SWAT Comments:

33-010(c) is the location of the common drainage point for most of South Site. An Interim Measure was performed at South Site in the Fall of 1996. The drainage discharges into Chaquenhui Canyon < 100 ft. downstream.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

BMPs in good condition.

Actions Recommended at SWAT Meeting:

Item:	Description	Owner:
1	Continued inspection and maintenance of existing BMPs until removal of debris pile is accomplished.	ER
2	Remove debris pile and revegetate slope after remediation.	ER
3	Consider surface water monitoring station at discharge point above Chaquenhui Canyon.	ER/ESH-18

Actions Proposed by ER, FM or EGH-18:

Item:	Description	Owner:	Target Date:	Actual Date:
1	Inspection and maintenance of existing BMPs is ongoing at South Site.	ER	Ongoing	Ongoing
2	Tentatively planned for FY 00	ER	FY 00	
3	Will coordinate with Watershed Management Team efforts to monitor surface water in Chaquenhui Canyon	ER/ESH-18	FY99	Oct 98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Jute mat and mulch was placed on the disposal area to reduce the transport of contaminated sediment from the site into the drainage. Straw bale check dams and small earthen berms are situated upstream from the site to reduce flow velocities of surface water. BMPs installed 2/28/96

Tabular List of BMPs:

covering, poly-jute
mulching
straw bale barrier

Frequency:

Contact:

Records Held:

General Comments:

Additional BMPs installed within drainage and reinforced with rock in October of 1998

11/10/1997 11:00 AM

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 33-011(d)

PRS:	<input type="text" value="33-011(d)"/>	FMU Contact:	<input type="text" value="Peter Bussolin"/>
SWAT Meeting Date:	<input type="text" value="9/30/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="10/7/1998"/>	Erosion Matrix:	<input type="text" value="34.6"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

General storage for 33-20. COPCs include pesticides and inorganics at levels below SALs. Proposed for NFA (#5) in 1/95. Phase II sampling data provided by Linda Fluk/ICF.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Site visited to determine need for run-on controls. PRS is completely covered by asphalt and consideration should be given to rescoring erosion potential score. Score was re-calculated (original 56.6).

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Run-on controls should be considered.	ER
Item: 2	Coordinate with Watershed Management Team on monitoring Chaquethui tributary.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Site revisited and run-on controls are not appropriate, the site is covered with asphalt.	ER	Oct 98	Oct 98
Item: 2	DDO process for Chaquethui Canyon has been completed and the COPCs for the site have been addressed.	ER/ESH-18	Oct 98	Oct 98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input type="text"/>	Contact: <input type="text" value="Linda Fluk"/> Records Held: <input type="text" value="ICF Kaiser"/>

General Comments:

Site covered with asphalt and is surrounded by heavy vegetation. The chance of sediment migration is low.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-003(d)**

PRS:	35-003(d)	FMU Contact:	Sara Heimick
SWAT Meeting Date:	11/5/1998	ER Contact:	Gabriela Lopez-Escobed
Official Submittal Date:	11/9/1998	Erosion Matrix:	59
Constituent Data:	Yes		

General SWAT Comments:

Site of the former pump pit (TA-35-8) associated with the wastewater treatment plant, it was adjacent to the pipe trench (PRS No. 35-003(q)) and the holding tanks (PRS No. 35-003(d)). The pump pit was about 10 ft wide and 14 ft long and housed two large capacity electric pumps and associated valves and piping used to transfer the liquid in the holding tanks among the tanks and to TA-35-7. The pump pit contained floor drains that discharged to the daylight diversion channel.

An Interim Action was performed at this site in 1996. The area was backfilled and reseeded. An earth berm to divert run-off to nrap-lined channel.

Date of Part B Revision: Revisit Recommended Revisit Date: 11/17/1998

Revisit Comments:

Site visit with Steve Veenis, Jeff Waltersheid and Barbara Hodscher. Upper berm has been breached in two places due to sheet flow from asphalt and base coarse parking lot. Lower berm breached at northeast corner due to run-on from northern asphalt channel. The remainder of the site looks good with approximately 50% vegetative cover.

Actions Recommended at SWAT Meeting:

Item: 1 Revisit site to determine if final stabilization has been achieved. If not, recommend appropriate measures.	Owner: ER/ESH-18
---	------------------

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Site was be revisited to access final stabilization measures. More recommendations were made.	ER/ESH-18	1/1/99	11/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

BMP in place: Earth berm to divert run-off to nrap-lined channel. Area backfilled and reseeded 1996. Additional work completed in 12/98 included fixing breached berm, provided extra nrap and compaction of soils at site

Tabular List of BMPs:

earth berm
nrap
seeding, permanent
straw bale barrier

Frequency: 3 Months Contact: Mary Jane Winch Records Held: Pueblo Complex

General Comments:

Site IA completed in 12/98.

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**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-003(I)**

PRS:	35-003(I)	FMU Contact:	Sara Helmick
SWAT Meeting Date:	11/5/1998	ER Contact:	Gabnela Lopez-Escobed
Official Submittal Date:	11/9/1998	Erosion Matrix:	59
Constituent Data:	Yes		

General SWAT Comments:

Site of the former pump pit (TA-35-8) associated with the wastewater treatment plant, it was adjacent to the pipe trench (PRS No. 35-003(q)) and the holding tanks (PRS No. 35-003(d)). The pump pit was about 10 ft wide and 14 ft long and housed two large capacity electric pumps and associated valves and piping used to transfer the liquid in the holding tanks among the tanks and to TA-35-7. The pump pit contained floor drains that discharged to the daylight diversion channel.

An Interim Action was performed at this site in 1996. The area was backfilled and reseeded. An earth berm to divert run-off to nrap-lined channel.

Date of Part B Revision: Revisit Recommended Revisit Date: 11/17/1998

Revisit Comments:

Site visit with Steve Veenis, Jeff Waltersheid and Barbara Hoditschek. Upper berm has been breached in two places due to sheet flow from asphalt and base coarse parking lot. Lower berm breached at northeast corner due to run-on from northern asphalt channel. The remainder of the site looks good with approximately 50% vegetative cover.

Actions Recommended at SWAT Meeting:

Item: 1 Revisit site to determine if final stabilization has been achieved. If not, recommend appropriate measures.	Owner: ER/ESH-18
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Actions Proposed by ER, FM or ESH-18:

Item:	Owner:	Target Date:	Actual Date:
1 Site was revisited to assess final stabilization measures. Additional recommendations were made	ER	1/99	11/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

BMP in place: Earth berm to divert run-off to nrap-lined channel. Area backfilled and reseeded 1996. Additional work completed in 12/98 included fixing breached berm, provided extra nrap and compaction of soils at site.

Tabular List of BMPs:

earth berm
nrap
seeding, permanent
straw bale barrier

Frequency: 3 Months Contact: Mary Jane Winch Records Held: Pueblo Complex

General Comments:

Site IA was performed in 12/98

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**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-003(q)**

PRS:	35-003(q)	FMU Contact:	Sara Helmick
SWAT Meeting Date:	11/5/1998	ER Contact:	Gabriela Lopez-Escobed
Official Submittal Date:	11/9/1998	Erosion Matrix:	59
Constituent Data:	Yes		

General SWAT Comments:

Site of the former pump pit (TA-35-8) associated with the wastewater treatment plant, it was adjacent to the pipe trench (PRS No. 35-003(q)) and the holding tanks (PRS No. 35-003(d)). The pump pit was about 10 ft wide and 14 ft long and housed two large capacity electric pumps and associated valves and piping used to transfer the liquid in the holding tanks among the tanks and to TA-35-7. The pump pit contained floor drains that discharged to the daylight diversion channel.
An Interim Action was performed at this site in 1996. The area was backfilled and reseeded. An earth berm to divert run-off to riprap-lined channel.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Site visit with Steve Veenis, Jeff Watersheid and Barbara Hoditschek. Upper berm has been breached in two places due to sheet flow from asphalt and base coarse parking lot. Lower berm breached at northeast corner due to run-on from northern asphalt channel. The remainder of the site looks good with approximately 50% vegetative cover.

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Revisit site to determine if final stabilization has been achieved. If not, recommend appropriate measures.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Site was revisited to access final stabilization measures. Additional recommendations were made.	ER	1/99	11/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

BMP in place: Earth berm to divert run-off to riprap-lined channel. Area backfilled and reseeded 1996. Additional work completed in 12/98 included fixing breached berm, provided extra riprap and compaction of soils at site

Tabular List of BMPs:

earth berm
riprap
seeding, permanent
straw bale barrier

Frequency: Contact: Records Held:

General Comments:

Site IA was performed in 12/98

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRRS 35-003(r)

PRRS:	35-003(r)			
SWAT Meeting Date:	11/01/97	FMU Contact:	Sara Helmick	
Official Submittal Date:	6/17/1998	ER Contact:	Gabriela Lopez-Escobed	
Constituent Data:	Yes	Erosion Matrix:	B7	

General SWAT Comments:

Tributary canyon informally known as Pratt Canyon to Ten Site Canyon east of former WWTF. Releases include cesium, strontium and metals. Additional sampling and geomorphic mapping is currently being undertaken by the ER project. Sources at the head of Pratt Canyon include PRRS 35-003(d,q) have had an interim action performed at area of extreme gully erosion.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:	
Item:	1	Fire hydrant, which discharges periodically into canyon, should be re-routed for testing.	FM
Item:	2	Debris found in canyon should be removed.	ESH-18
Item:	3	Consideration of enhancing the existing wetland at bottom of canyon should be given to collect potentially contaminated sediments.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1	Need to coordinate with FM	FM	FY 98
Item:	2	Evaluate debris source and direct responsible party to remove.	ESH-18	FY 98
Item:	3	The benefits of enhancing the wetland will be determined when sediment/vegetation sampling in the PRRS are completed and assessments are completed.	ER	FY00

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Earth berm, Velocity attenuator, Jutemat, Run-on diversion, Settlement pond (cattail area). (35-003 (d,q) pre-located at the head of canyon. AIP has installed ISCO sampler below wetland.

Tabular List of BMPs:

covering, poly-rute
earth berm
retention structure/artificial wetland
velocity dissipation device

Frequency: Contact: Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-014(e)**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Canyon side disposal area (35-008) co-located with (35-014(e)) an oil spill area. Visible oil staining, scrap metal, concrete, conduit, and misc. debris were observed at site. TPH and inorganics were found in sampling of surface sediments. Culvert discharges onto site from parking lot and roadway runoff.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Remove visible debris. Conduct a site visit (ESH-18/ER/FM/DOE-OB) to determine refuse, watercourse and ownership.	ESH-18
Item: 2	Provide mulch on site to keep contaminant in place until site is remediated.	ER
Item: 3	Consider removing or re-routing culvert that discharges on to site.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Conduct visit to assess debris source.	ESH-18	FY 98	
Item: 2	Mulch site to temporarily stabilize	ER	6/99	
Item: 3	FM will consider bypassing PRS if possible.	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

Take precautions not to divert discharges into another drainage creating another problem elsewhere.

4-1311 - 11/02/03 - 124.4.12

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 35-016(a)

PRS:	35-016(a)		
SWAT Meeting Date:	4/9/1998	FMU Contact:	Peter Bussolini
Official Submittal Date:	6/7/1998	ER Contact:	Gabriela Lopez-Escobedo
Constituent Data:	Yes	Erosion Matrix:	92

General SWAT Comments:

Inactive outfall that discharged non-contact cooling water from TA-35-54 into Ten Site Canyon. Line ran 70 ft. south to point of discharge in Ten Site Canyon. Outfall eliminated from NPDES Permit No. D44089 in 1985. A trench has formed over existing outfall pipe. COPCs include Cr, Cu, Pb, Zn at low levels.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Perform site visit to assess whether to backfill trench, compact soil and revegetate area or hard armor trench with nprap	ER/ESH-18/FM
Item: 2	Consider run-on diversion control to reduce future erosion potential	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Coordinate with FM to see possibilities.	R/ESH-18/F	FY 98	
Item: 2	Will determine appropriate BMP solution with revisit to site with ER, FM and ESH-18	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency <input type="text"/>	Contact <input type="text"/>
	Records Held: <input type="text"/>

General Comments:

Take precautions not to divert discharges into another drainage creating another problem elsewhere.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-016(d)**

PRS:	<input type="text" value="35-016(d)"/>	FMU Contact:	<input type="text" value="Peter Bussolini"/>
SWAT Meeting Date:	<input type="text" value="4/9/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="76.5"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Inactive outfall (04A087) constructed in 1962 to discharge non-contact cooling water from TA-35-46 into Ten Site Canyon. Drain line ran 50 ft. south to point of discharge into Ten Site Canyon. The drainage channel below site commingles with runoff from PRS 35-016(c) which also has inactive NPDES outfalls (04A012) and (04A088).

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Recommend sediment detention or catchment control before confluence with Ten Site Canyon.	ESH-18/FM
Item: 2	Consider surface water monitoring using "cluster approach" for other PRSs affecting this drainage channel.	ER/ESH-18
Item: 3	Recommend schedule for Phase II sampling	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Coordinate with FM to see possibilities for run-on control.	ESH-18/FM	FY98	
Item: 2	DDO process for Ten Site Canyon has been completed and appropriate COPCs have been addressed.	ER/ESH-18	FY98	8/98
Item: 3	Will prioritize Phase II sampling	ER	FY00	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment: Tabular List of BMPs:

Frequency: Contact: Records Held:

General Comments:

Take precautions not to divert discharges into another drainage creating another problem elsewhere.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-016(f)**

PRS:	<input type="text" value="35-016(f)"/>	FMU Contact:	<input type="text" value="Cara Helmick"/>
SWAT Meeting Date:	<input type="text" value="4/9/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="76.5"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Active storm drain runs 30 ft. from TA-35-85 north to the south rim of Mortandad Canyon. The outfall is an 18-inch diameter CMP that originates from several storm-water collection grates in the area. CQPCs include Hg.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Revisit site to assess debris type and original source.	ESH-18
Item: 2	Stabilize outfall discharge point to reduce sediment transport potential	FM
Item: 3	Resample drainage channel to verify Hg concentrations	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Revisit site to determine debris type and source.	ESH-18	FY 99	
Item: 2	Stabilize discharge point with flow dissipation BMP	FM	FY 99	
Item: 3	ER will collect samples to determine Hg concentrations.	ER	FY00	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

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**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-016(g)**

PRS:	<input type="text" value="35-016(g)"/>	FMU Contact:	<input type="text" value="Sara Helmick"/>
SWAT Meeting Date:	<input type="text" value="11/10/1997"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="68.3"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Located behind 35-213, an active NPDES outfall (044127) has created gully erosion below wetlands created by outfall. Chromium discharged from the outfall is the COPC of concern.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Controls are needed down the PRS drainage/boundary which discharges into Mortandad to dissipate flow and contain sediment transport.	FM
Item: 2	Consider dispersing, re-routing or eliminating the permitted discharge.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Put BMPs in place (dissipate flow and contain sediment	FM	FY99	
Item: 2	FM to consider possibilities of eliminated or re-routing permitted discharge	FM	TBD	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Frequency Contact Tabular List of BMPs:

Records Held:

General Comments:

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**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-016(h)**

PRS:	<input type="text" value="35-016(h)"/>	FMU Contact:	<input type="text" value="Lisa Woodrow"/>
SWAT Meeting Date:	<input type="text" value="4/9/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="76.5"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Two active storm drains installed 1979 to handle rain water run-off and brine from water de-ionizer from TA-35-213. Drains run 300 ft. to points of discharge on the south rim of Morandad Canyon. Three separate locations are plotted for this PRS, (2) NE of building along access road, and (1) NW of building adjacent to drainage below parking lot.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Provide erosion controls along access road behind 35-213	FM
Item: 2	Remove visible debris observed behind 35-213	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Put BMPs in place (erosion control)	FM	FY 99	
Item: 2	Remove visible debris behind 35-213	FM	FY 99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-016(i)**

PRS:	<input type="text" value="35-016(i)"/>	FMU Contact:	<input type="text" value="Sara Helmick"/>
SWAT Meeting Date:	<input type="text" value="4/5/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobedo"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="61"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Active daylight discharge channel that handles storm water run-off between east end of TA-35-85 and parking lot. Channel runs 50 ft. north and discharges into Mortandad Canyon near recently removed surface impoundment. Site combined with 35-014(e2) had no visible erosion.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Coordinate with Watershed Management monitoring effort for Mortandad Canyon.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Watershed Team has completed DCO process for Mortandad Canyon and has addressed the CCPCs for this site.	ER/ESH-18	FY 98	8-98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

Mortandad Canyon DCO process is complete and a surface water SAP is being developed to support the Watershed effort.

35-016(i) - 01-1-98

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-016(l)**

PRS:	35-016(l)	FMU Contact:	Peter Bussolini
SWAT Meeting Date:	4/9/1998	ER Contact:	Gabriela Lopez-Escobed
Official Submittal Date:	6/17/1998	Erosion Matrix:	64
Constituent Data:	Yes		

General SWAT Comments:

Active daylight discharge channels that convey storm water run-off from TA-35-29 and sterilized water leaks from ultraviolet water sterilizer in Room 001A of TA-35-29. Co-located with PRSs 35-016(k), COPCs include organics and PCBs. A VCA was complete in 1996 for 35-018(a) which is upstream.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Provide filtration above culvert intake to reduce sediment transport potential.	FM
Item: 2	Stabilize discharge point to minimize erosion potential	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Put BMPs in place (filtration above culvert, reduce sediment transport potential)	FM	FY 99	
Item: 2	Flow dissipation below discharge point will be installed.	FM	FY 99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment: Tabular List of BMPs:

Frequency: Contact: Mary Jane Winch Records Held:

General Comments:

May be upgraded with current work being performed at 35-003(d,i,q)

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**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-016(m)**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:
Inactive outfall that originated from a cooling tower (03AC39) near 35-33. COPCs include Zn, Pb, U and Sb. Erosion visible at end of concrete lined discharge channel.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Provide updated Part A Constituent data	ER
Item: 2	Address undercutting at end of concrete lined discharge channel	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Information has been provided for Part A completion	ER	9/98	10/98
Item: 2	Will put BMPs in place (erosion control, undercutting at edge of concrete discharge channel)	FM	FY98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

A.0101 • 01/01/99 • 03-111

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-016(o)**

PRS:	35-016(o)	FMU Contact:	Peter Bussolini
SWAT Meeting Date:	4/9/1998	ER Contact:	Gabriela Lopez-Escobed
Official Submittal Date:	6/17/1998	Erosion Matrix:	60.3
Constituent Data:	Yes		

General SWAT Comments:

Includes three active storm drains that convey rainwater runoff and floor-drain effluents from TA-35-2 and TA-35-27. COPCs include PCBs in western most site.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Revisit site to assess debris type and sources.	ESH-18
Item: 2 Consider stabilization and dissipation controls below outfalls.	ER/FM
Item: 3 Evaluate data collected in Fall 1997 not previously submitted.	ER
Item: 4 Determine location for single-stage surface water samples recommended in April 1997 SAP.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Revisit site, assess debris type, sources.	ESH-18	FY99	
Item: 2 Put BMPs in place (dissipation and stabilization)	ER/FM	6-99	
Item: 3 Evaluate 1997 data and submit updated Part A package	ER	3-99	
Item: 4 Coordinate with ESH-18 for single stage sampler locations	ER/ESH-18	FY00	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

11/10/98 • 11/10/98 • 11/10/98

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-016(p)**

PRS:	<input type="text" value="35-016(p)"/>	FMU Contact:	<input type="text" value="Peter Bussolini"/>
SWAT Meeting Date:	<input type="text" value="4/9/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="60.3"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Outfall that discharges storm water runoff from the roof of the Nuclear Safeguards Research Building (TA-35-27) into Montandad Canyon. COPCs include Zn, Cr, PAHs.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Revisit site to assess debris type and source	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Revisit site, assess debris type and source and direct removal.	ESH-18	FY 98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment		Tabular List of BMPs:	
Frequency	<input type="text"/>	Contact	<input type="text"/>
		Records Held:	<input type="text"/>

General Comments:

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**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 35-016(q)**

PRS:	<input type="text" value="35-016(q)"/>	FMU Contact:	<input type="text" value="Peter Bussolini"/>
SWAT Meeting Date:	<input type="text" value="4/9/1998"/>	CR Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="92"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Active storm water outfall and associated trench, located southeast of the Sodium Testing Building TA-35-34. The gully is deeply cut into backfill and turf (20'-30'). COPCs include PCBs and metals.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Divert or dissipate run-on to minimize further erosion potential	FM
Item: 2	Stabilize area with geotextiles to prevent sediment transport	FM

Actions Proposed by CR, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Put BMPs in place (curbing or water bars) to dissipate run-on	FM	FY98	
Item: 2	Put BMPs in place (geotextiles to prevent sediment transport)	FM	FY98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency <input type="text"/>	Contact <input type="text"/>
	Records Held: <input type="text"/>

General Comments:

Take precautions when diverting from one drainage to another not to displace the problem elsewhere.

SWAT - INFORMATION SHEET

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 36-004(c)**

PRS:	<input type="text" value="36-004(c)"/>	FMU Contact:	<input type="text" value="Franco Sisneros"/>
SWAT Meeting Date:	<input type="text" value="7/28/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="8/3/1998"/>	Erosion Matrix:	<input type="text" value="68.3"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Active firing site in DX Division, TA-36 Point B, also known as "Mine Site." Located in the upper reaches of Fence Canyon, PRS drains through a relatively flat, grassy meadow.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Maintain vegetated areas.	FM
Item: 2	If burn is required for wild fire protection, install rock check dams in drainages.	FM
Item: 3	Revisit site to determine if erosion score is appropriate for this location	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Vegetated areas will be maintained and enhanced if possible.	FM	Ongoing	
Item: 2	Site is managed under active SWPP for DX sites. Check dams within drainages are currently being considered.	FM	Ongoing	
Item: 3	Site will be revisited to evaluate accuracy of erosion matrix score.	ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment: Tabular List of BMPs:

Frequency: Contact: Records Held:

General Comments:

Alexander's opinion in April 1997 was that the existing vegetation is an excellent BMP and that no erosion potential exists.

SWAT - 01/01/98 - 01/01/98

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 36-004(e)**

PRS:	<input type="text" value="36-004(e)"/>	FMU Contact:	<input type="text" value="Franco Sisheros"/>
SWAT Meeting Date:	<input type="text" value="9/30/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="10/1/1998"/>	Erosion Matrix:	<input type="text" value="S73"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Two active firing points 1&J at TA-36. Site adjacent to 15-006(f) and C-36-006(e). Rill erosion and run-on concerns should be addressed. Visible debris and DU observed. IA plan was written to install BMPs and remove visible debris and DU. Site is managed under existing SWPPP for DX Division.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Assure that DX has addressed erosion concerns through implementation of SWPPP.	DX
Item: 2	Follow up on implementation of IA that was to address erosion concerns in FY97.	ESH-1B

Actions Proposed by ER, FM or ESH-1B:		Owner:	Target Date:	Actual Date:
Item: 1	DX will be notified of erosion concerns, and will modify SWPPP as necessary.	ESH-1B/FM	Nov 98	
Item: 2	Site will be revisited to see if implementation of IA occurred.	ESH-1B	Nov 98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

According to FM 15-008(f) is active and C-36-006(e) is inactive.

C-36-006(e) - 10/1/98

12-1-1998 10:00 AM

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 36-006

PRS: <input type="text" value="36-006"/>	FMU Contact: <input type="text" value="Franco Sisneros"/>
SWAT Meeting Date: <input type="text" value="11/10/1997"/>	ER Contact: <input type="text" value="John McCann"/>
Official Submittal Date: <input type="text" value="6/2/1998"/>	Erosion Matrix: <input type="text" value="78"/>
Constituent Data: <input type="text" value="Yes"/>	

General SWAT Comments:

A land disposal site located off mesa edge near the active Eerie Firing Site. The COPCs at this site include chromium and uranium which also has visible firing site debris located on site. An asphalt berm is in place to divert run-on to west/central part of site, but visual rill erosion is occurring on the slope. A SWPP plan has been developed for this site for the DX Division.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Site revisited by Mike Alexander, Steve Veenis, Franco Sisneros and Dave McInroy to determine the extent and amount of debris located within the watercourse area. A verbal commitment was made by DX Division (Jerry Vasili) to remove the visible historical debris found on slope and within the watercourse (cable, glass, sheet metal, wood, misc. debris). An integrated approach by ER and DX Division will be used at the site to remove the refuse from Potrillo Canyon. A modification will be made to the site's SWPP PLAN and DX SOPs for future removal of debris found in the watercourse due to active operations.

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 The debris should be removed due to proximity to Potrillo Canyon.	DX/ER
Item:	2 Appropriate run-on and erosion/sediment controls should be implemented.	DX

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Site proposed for cleanup of visible debris on slope and within watercourse.	DX/ER	9/30/98	
Item:	2 Existing SWPP PLAN to be amended to reflect current status.	DX	7/98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
 Asphalt diversion berm. Regrading and re-contouring of firebreak road above site into a retention area.

Tabular List of BMPs:

asphalt/concrete repaving
debris removal
regrading

Frequency: Contact: Records Held:

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 39-004(a)

PRS:
 SWAT Meeting Date: FMU Contact:
 Official Submittal Date: ER Contact:
 Constituent Date: Erosion Matrix:

General SWAT Comments:

Abandoned firing site in DX Division, TA-39 Point 7. Sandy firing pad in upper reaches of Ancho Canyon. Approximately 50 feet upstream from active firing site TA-39 Point 57, which is PRS 39-004(d).

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Maintain downstream vegetation.	FM
Item: 2	If burn is required for wild fire protection, install rock check dams in drainages.	FM
Item: 3	Maintain existing BMPs, like berms, without damaging them during shot setup.	FM
Item: 4	Consider detention basin in triangle formed in road, 0.1 miles south of PRS.	ESH-18/FM
Item: 5	Consider monitoring program, 0.25 miles down Ancho Canyon Road at culvert.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Vegetation will be maintained and enhanced if possible.	FM	Ongoing	
Item: 2	Check dams within drainages are being considered as part of the active operations at DX firing sites. Once implemented, the SWPP will be modified.	FM	FY99	
Item: 3	Inspection and maintenance of BMPs are ongoing at active firing sites and are managed as part of the DX SWPPP.	FM	Ongoing	
Item: 4	Detention basin will be considered at appropriate locations within Ancho Canyon North. Once implemented, the DX SWPP will be modified.	ESH-18/FM	FY99	
Item: 5	Monitoring of Ancho Canyon North will be recommended by the Watershed Management Team as part of the DQO process for Ancho Canyon.	ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:
 Frequency: Contact: Records Held:

General Comments:

This report is substantially the same as that for 39-004(d) and 39-004(e)

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 39-004(b)**

PRS:	<input type="text" value="39-004(b)"/>	FMU Contact:	<input type="text" value="Franco Sinerias"/>
SWAT Meeting Date:	<input type="text" value="11/10/1997"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="6/2/1998"/>	Erosion Matrix:	<input type="text" value="74.5"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

An inactive firing site near 39-8 with visible depleted uranium and shrapnel observed at the site. This site has little or no vegetation and is located adjacent to Ancho Canyon tributary. Run-on occurs from steep cliffs surrounding site.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Inactive firing pad should be stabilized with jute matting or mulch to prevent sediment transport	DX
Item: 2	Silt fencing provided along drainage channel to impede sediment transport.	DX
Item: 3	Consideration should be given to providing a sediment catchment area (perhaps near the Y) downstream from the site. This location would also collect sediment from active sites near 39-88 and 39-57.	DX
Item: 4	Remove visible debris and DU, site visit	ESH-18/FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	BMPs to be evaluated and incorporated into SWPP Plan	DX	FY99	
Item: 2	BMPs to be evaluated and incorporated into SWPP Plan	DX	FY99	
Item: 3	BMPs to be evaluated and incorporated into SWPP Plan	DX	FY99	
Item: 4	ESH-18 to conduct site visit with DX to assess debris	ESH-18/FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency <input type="text" value="Weekly"/> Contact <input type="text" value="Franco Sinerias"/>	Records Held: <input type="text" value="DX Division Office"/>

General Comments:

Implement SOP to assure debris removal at periodic intervals and that BMPs will be installed, inspected and maintained.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 39-004(c)**

PRS:	<input type="text" value="39-004(c)"/>	FMU Contact:	<input type="text" value="Franco Casarosa"/>
SWAT Meeting Date:	<input type="text" value="7/28/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="8/3/1998"/>	Erosion Matrix:	<input type="text" value="85"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Since site is used infrequently, stabilize with berms, mats or soil fences.	FM
Item: 2	Prevent transport of sand from firing pad into nearby arroyo.	FM
Item: 3	Maintain downstream vegetation	FM
Item: 4	If burn is required for wild fire protection, install rock check dams in drainages.	FM
Item: 5	Maintain good housekeeping; cleanup as component in COP.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Vegetation will be maintained and enhanced if possible.	DX	FY99	
Item: 2	Check dams within drainages are being considered as part of the active operations at DX firing sites. Once implemented, the SWPPP will be modified.	DX	FY99	
Item: 3	Inspection and maintenance of BMPs are ongoing at active firing sites and are managed as part of the DX SWPPP	DX	FY99	
Item: 4	Detention basin will be considered at appropriate locations within Ancho Canyon North. Once implemented, the DX SWPPP will be modified.	DX	FY99	
Item: 5	Monitoring of Ancho Canyon North will be recommended by the Watershed Management Team as part of the DCO process for Ancho Canyon.	DX	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment		Tabular List of BMPs:	
Frequency	<input type="text"/>	Contact	<input type="text"/>
		Records Held:	<input type="text"/>

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 39-004(d)

PRS:	39-004(d)		
SWAT Meeting Date:	7/28/1998	FMU Contact:	Franco Siskeros
Official Submittal Date:	8/3/1998	ER Contact:	John McCann
Constituent Data:	Yes	Erosion Matrix:	74

General SWAT Comments:

Active firing site in DX Division, TA-39 Point 57. Sandy firing pad in upper reaches of Ancho Canyon. Approximately 50 feet downstream from abandoned firing site TA-39 Point 7, which is PRS 39-004(a).

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Maintain downstream vegetation	FM
Item:	2 If burn is required for wild fire protection, install rock check dams in drainages.	FM
Item:	3 Maintain good housekeeping; cleanup as component in SOP.	FM
Item:	4 Maintain existing BMPs, like berms, without damaging them during shot setup.	FM
Item:	5 Consider detention basin in triangle formed in road, 0.1 miles south of PRS.	ESH-18
Item:	6 Consider monitoring program, 0.25 miles down Ancho Canyon Road at culvert.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Vegetation will be maintained and enhanced if possible.	DX	FY99	
Item:	2 Check dams within drainages are being considered as part of the active operations at DX firing sites. Once implemented, the SWPPP will be modified.	DX	FY99	
Item:	3 Inspection and maintenance of BMPs are ongoing at active firing sites and are managed as part of the DX SWPPP	DX	FY99	
Item:	4 Detention basin will be considered at appropriate locations within Ancho Canyon North. Once implemented, the DX SWPPP will be modified.	DX	FY99	
Item:	5 Monitoring of Ancho Canyon North will be recommended by the Watershed Management Team as part of the DQO process for Ancho Canyon.	DX	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency <input style="width: 50px;" type="text" value="3 Months"/>	Contact <input style="width: 50px;" type="text" value="Mary Jane Vinich"/>
	Records Held: <input style="width: 50px;" type="text" value="Pueblo Complex"/>

General Comments:

This report is substantially the same as that for 39-004(a) and 39-004(e).

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 39-004(e)**

PRS:	<input type="text" value="39-004(e)"/>	FMU Contact:	<input type="text" value="Franco Sisneros"/>
SWAT Meeting Date:	<input type="text" value="7/28/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="8/3/1998"/>	Erosion Matrix:	<input type="text" value="78.5"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Active firing site in DX Division, TA-39 Point 88. Sandy firing pad in upper reaches of Ancho Canyon. Located approximately 0.2 miles downstream from abandoned firing pad TA-39 Point 8, which is PRS 39-004(b).

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Maintain downstream vegetation.	FM
Item: 2	If burn is required for wild fire protection, install rock check dams in drainages.	FM
Item: 3	Maintain good housekeeping; clean up as component of SOP	FM
Item: 4	Maintain existing BMPs, like berms, without damaging them during shot setup.	FM
Item: 5	Consider detention basin in triangle formed in road, 0.1 miles east of PRS.	ESH-18
Item: 6	Consider monitoring program, 0.25 miles down Ancho Canyon Road at culvert.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Vegetation will be maintained and enhanced if possible.	DX	FY99	
Item: 2	Check dams within drainages are being considered as part of the active operations at DX firing sites. Once implemented, the SWPP will be modified.	DX	FY99	
Item: 3	Inspection and maintenance of BMPs are ongoing at active firing sites and are managed as part of the DX SWPPP	DX	FY99	
Item: 4	Detention basin will be considered at appropriate locations within Ancho Canyon North. Once implemented, the DX SWPP will be modified.	DX	FY99	
Item: 5	Monitoring of Ancho Canyon North will be recommended by the Watershed Management Team as part of the DDO process for Ancho Canyon	DX	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency <input type="text"/>	Contact <input type="text" value="Mary Jane Winch"/> Records Held: <input type="text" value="Pueblo Complex"/>

General Comments:

This report is substantially the same as that for 39-004(a) and 39-004(d).

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Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 40-005(a)

PRS:	40-005(a)	FMU Contact:	Franco Cisneros
SWAT Meeting Date:	11/10/1997	ER Contact:	Don Hickmott
Official Submittal Date:	6/2/1998	Erosion Matrix:	53
Constituent Data:	Yes		

General SWAT Comments:

Active firing site maintained under DX-Division, with an existing SWPP Plan. COPCs include inorganics, copper, lead and strontium-90.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 SWPP PLAN recommends repair of existing berm at site	FM
Item:	2 Provide other sediment transport controls.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 Completed by DX	FM	FY99	11/97
Item:	2 Controls to be implemented due to SWPP PLAN inspection	FM	FY99	ongoing

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Dirt berm below site - blow outs at 3 spots were fixed 11/97.	Tabular List of BMPs: earth berm
Frequency: <input style="width: 50px;" type="text"/> Weekly	Contact: <input style="width: 50px;" type="text"/> Franco Cisneros
Records Held: <input style="width: 50px;" type="text"/> DX Division Office	

General Comments:

Waiver memo of 3 April '98?

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 42-001(a)

PRS:	42-001(a)		
SWAT Meeting Date:	7/28/1998	FMU Contact:	
Official Submittal Date:	8/2/1998	ER Contact:	Gabriela Lopez-Escobed
Constituent Data:	Yes	Erosion Matrix:	C5.8

General SWAT Comments:

Former location of radioactive waste incinerator north of TA-55. Gully erosion forming from NPDES outfall and access road. This PRS is part of a group that includes 42-001(a), 42-001(b), 42-001(c), 42-002(a) and 42-002(b).

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Divert outfall away from gully.	FM
Item: 2	Install BMPs to divert run-on from area.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	FM is responsible for rerouting or stabilization of site.	FM	FY99	
Item: 2	FM responsible for providing run-on control and modifying SWPPP	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input style="width: 100px;" type="text"/>	Contact: <input style="width: 100px;" type="text" value="Bill Schueler"/> Records Held: <input style="width: 100px;" type="text" value="NMT/DO"/>

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 42-001(b)**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Former location of radioactive waste incinerator north of TA-55. Gully erosion forming from NPDES outfall and access road. This PRS is part of a group that includes 42-001(a), 42-001(b), 42-001(c), 42-002(a) and 42-002(b).

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Divert outfall away from gully.	FM
Item: 2	Install BMPs to divert run-on from area.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	FM is responsible for rerouting or stabilization of site.	FM	FY99	
Item: 2	FM responsible for providing run-on control and modifying CWPPP	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment:

Frequency: Contact: Tabular List of BMPs:

Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 42-001(c)**

PRS:	<input type="text" value="42-001(c)"/>	FMU Contact:	<input type="text"/>
SWAT Meeting Date:	<input type="text" value="7/25/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="8/3/1998"/>	Erosion Matrix:	<input type="text" value="CS.B"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Former location of radioactive waste incinerator north of TA-55. Gully erosion forming from NPDES outfall and access road. This PRS is part of a group that includes 42-001(a), 42-001(b), 42-001(c), 42-002(a) and 42-002(b).

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Divert outfall away from gully.	FM
Item: 2	Install BMPs to divert run-on from area.	FM

Actions Proposed by ER, FM or ESM-18:		Owner:	Target Date:	Actual Date:
Item: 1	FM is responsible for rerouting or stabilization of site.	FM	FY99	
Item: 2	FM responsible for providing run-on control and modifying SWPPP	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment		Tabular List of BMPs:	
Frequency	<input type="text"/>	Contact	<input type="text" value="Eli Schueler"/>
		Records Held:	<input type="text" value="NMT,DO"/>

General Comments:

PRIS 42-001(c) - 1998

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 42-002(a)

PRS:

SWAT Meeting Date:

Official Submittal Date:

Constituent Data:

FMU Contact:

ER Contact:

Erosion Matrix:

General SWAT Comments:

Former location of radioactive waste incinerator north of TA-55. Gully erosion forming from NPDES outfall and access road. This PRS is part of a group that includes 42-001(a), 42-001(b), 42-001(c), 42-002(a) and 42-002(b).

Date of Part B Revision:
 Revisit Recommended
 Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1 Divert outfall away from gully.	FM
Item:	2 Install BMPs to divert run-on from area.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 FM is responsible for rerouting or stabilization of site.	FM	FY99	
Item:	2 FM responsible for providing run-on control and modifying SWPPP	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment:
 Frequency:
Contact:
Tabular List of BMPs:
Records Held:

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 46-004(h)

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Area of potential contamination from industrial outfalls, stack emissions and storm water sewer system discharges. COPCs include Pb and Hg at outfall location and on lower bench setting. Visible trash was observed in and around drainage area.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Remove visible trash. Conduct a site visit (ESH-18/ER/FM/DOE-OB) to determine refuse, watercourse, and ownership.	ER/ESH-18
Item: 2	Revisit site in Spring of 1998 to assess if existing data was collected from area of observed rill erosion.	ER/ESH-18
Item: 3	Proposed prioritizing Phase II sampling efforts.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Conduct visit to determine refuse, watercourse, ownership.	ER/ESH-18	4-99	
Item: 2	Conduct visit to determine if data was collected from area of observed erosion.	ER/ESH-18	4-99	
Item: 3	Phase II sampling has been scheduled for FY02	ER	FY02	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment:

Frequency: Contact: Tabular List of BMPs:

Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 46-004(t)**

PRS:	<input type="text" value="46-004(t)"/>	FMU Contact:	<input type="text" value="Jin Kubicek"/>
SWAT Meeting Date:	<input type="text" value="2/4/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="68.3"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

West end of SWCS Canyon, outfall YY serves sinks, floor drains, roof drains and former NPDES outfall 04A014. No soil samples have been collected at this PRS to-date. The Surface Water Assessment Team recommends that the surface water impacts from TA-46 to Canada del Buey be addressed in comprehensive approach rather than a PRS by PRS approach since so much overlap exists between the sites. The entire north-facing slope from TA-46 has multiple drainage channels formed from past and present industrial and storm water discharges. The north facing slope and adjacent drainage channels are suspected to have varying concentrations of CCPCs, including Hg, Pb and radionuclides. To help reduce any impact that surface water and/or sediment transport may be having on Canada del Buey, the SWAT has made the following recommendations:

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Collect soil/sediment samples to assess whether CCPCs are present.	ER
Item: 2	The access road located within the canyon could be used as a berm, that would act as a retention area if low spots in the road were elevated	FM
Item: 3	Delineate the site into well-defined drainages or aggregates to promulgate an approach that would allow for geographic NFAs once all requirements are met	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	ER will work on prioritizing "Phase I" sampling for this PRS.	ER	FY02	
Item: 2	The feasibility of this recommendation will be evaluated.	FM	FY98	
Item: 3	Watershed Team/ER assessing issue	ER/ESH-18	TBD	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

Watershed Team is assessing issues associated with using SMO, sample locations and aggregation of PRSs with regards to monitoring surface water.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 46-008(g)**

PRS:	46-008(g)	FMU Contact:	Jim Kubicek
SWAT Meeting Date:	2/4/1998	ER Contact:	Gabriela Lopez-Escobed
Official Submittal Date:	6/17/1998	Erosion Matrix:	68.3
Constituent Data:	No		

General SWAT Comments:

Inactive drum storage area south of 46-76. Surface water runoff collects through outfall BB. No soil samples have been collected at this PRS to-date. The Surface Water Assessment Team recommends that the surface water impacts from TA-46 to Canada del Buey be addressed in comprehensive approach rather than a PRS by PRS approach since so much overlap exists between the sites. The entire north-facing slope from TA-46 has multiple drainage channels formed from past and present industrial and storm water discharges. The north facing slope and adjacent drainage channels are suspected to have varying concentrations of COPCs, including Hg, Pb and radionuclides. To help reduce any impact that surface water and/or sediment transport may be having on Canada del Buey, the SWAT has made the following recommendations:

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Collect soil/sediment samples to assess whether COPCs are present.	ER
Item: 2	The access road located within the canyon could be used as a berm, that would act as a retention area if low spots in the road were elevated	FM
Item: 3	Delineate the site into well-defined drainages or aggregates to promulgate an approach that would allow for geographic NFAs once all requirements are met	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	ER will work on prioritizing "Phase I" Sampling for this PRS.	ER	FY02	
Item: 2	The feasibility of this recommendation will be evaluated.	FM	FY98	
Item: 3	Watershed Team/ER assessing issue	ER/ESH-18	TBD	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

Watershed Team is assessing issues associated with using SMO, sample locations and aggregation of PRSs with regards to monitoring surface water.

Surface Water Assessment Team (SWAT)

Recommended and Proposed Actions for PRS 46-009(a)

PRS:	46-009(a)			
SWAT Meeting Date:	2/4/1998	FMU Contact:	Jim Kubicek	
Official Submittal Date:	6/17/1998	ER Contact:	Gabriela Lopez-Escobedo	
Constituent Data:	No	Erosion Matrix:	74.5	

General SWAT Comments:

Landfill containing excavation and building debris from unknown sources located on edge of SWCS Canyon south of 46-41. Visible debris was observed on slope and in canyon drainage below site. No soil samples have been collected at this PRS to-date. The Surface Water Assessment Team recommends that the surface water impacts from TA-46 SWCS Canyon be addressed in comprehensive approach rather than a PRS by PRS approach since so much overlap exists between the sites. The headwaters and the south-facing slope from TA-46 have multiple drainage channels formed from past and present industrial and storm water discharges. The south facing slope and adjacent drainage channels are suspected to have varying concentrations of undetermined COPCs. To help reduce any impact that surface water and/or sediment transport may be having on Canada del Buey, the SWAT has made the following recommendations:

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Remove observed debris. Conduct a site visit (ESH-18/ER/FM/DCE-GB) to determine refuse, watercourse, and ownership.	ER/ESH-18
Item: 2	Install controls to reduce impacts to SWCS at toe of slope.	FM
Item: 3	Collect soil/sediment samples to assess whether COPCs are present.	ER
Item: 4	Delineate the site into well-defined drainages or "clusters" to promulgate an approach that would allow for geographic NFAs once all requirements are met and coordinate monitoring with watershed effort.	ER/ESH-18
Item: 5	AP 4.5 score for this site should be re-evaluated.	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Conduct visit to determine refuse, watercourse, ownership. Direct responsible party to remove debris.	ER/ESH-18	4/99	
Item: 2	Will coordinate with FM to install BMPs to reduce impacts from SWCS at toe of slope.	FM	FY98	
Item: 3	ER will work on prioritizing "Phase I" sampling for this PRS.	ER	FY02	
Item: 4	Develop a comprehensive approach for all sites in TA-46 to Canada del Buey in coordination with the FM	ER/ESH-18	TBD	
Item: 5	AP 4.5 score for this site will be re-evaluated.	ESH-18	4/99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input style="width: 50px;" type="text" value="3 Months"/>	Contact: <input style="width: 50px;" type="text" value="Mary Jane Winch"/>
	Records Held: <input style="width: 50px;" type="text" value="Pueblo Complex"/>

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 46-009(b)**

PRS:	<input type="text" value="46-009(b)"/>	FMU Contact:	<input type="text" value="Jim Kubicek"/>
GWAT Meeting Date:	<input type="text" value="2/4/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="5/17/1998"/>	Erosion Matrix:	<input type="text" value="70"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Sand filter beds and adjacent area near inactive sanitary treatment facility for TA-46. Gully erosion was observed below inactive outfall and on access road to site. No soil samples have been collected at this PRS to-date. The Surface Water Assessment Team recommends that the surface water impacts from TA-46 SWCS Canyon be addressed in comprehensive approach rather than a PRS by PRS approach since so much overlap exists between the sites. The headwaters and the south-facing slope from TA-46 have multiple drainage channels formed from past and present industrial and storm water discharges. The south facing slope and adjacent drainage channels are suspected to have varying concentrations of undetermined COPCs. To help reduce any impact that surface water and/or sediment transport may be having on Canada del Buey, the SWAT has made the following recommendations:

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Install run-on/runoff controls to reduce erosion potential at former outfall location.	FM
Item: 2	Collect soil/sediment samples to assess whether COPCs are present.	ER
Item: 3	Provide surface water monitoring stations above the confluence of the new SWCS facility to collect samples anytime flow events occur	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Run-on controls for this site will be evaluated as part of a facility wide storm water system.	FM	TBD	
Item: 2	ER will work on prioritizing "Phase I" sampling for this PRS.	ER	FY02	
Item: 3	Monitoring station recommended to the Watershed Management Team	ER/ESH-18	FY98	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency <input type="text"/>	Contact <input type="text"/>
	Records Held: <input type="text"/>

General Comments:

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**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 48-003**

PRS:	<input type="text" value="48-003"/>	FMU Contact:	<input type="text" value="Sara Helmick"/>
SWAT Meeting Date:	<input type="text" value="12/9/1997"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="6/7/1998"/>	Erosion Matrix:	<input type="text" value="65.5"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Inactive septic system for TA-48 was removed in 1986. A SAP was developed in FY97, and sampling revealed metal and radionuclides above background at the site.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Evaluation of existing and pending data for the site is needed to determine placement of BMPs.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Evaluation of existing and pending data will be performed. Appropriate BMPs will be placed if necessary.	ER	FY 00	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment		Tabular List of BMPs:	
Frequency	<input type="text"/>	Contact	<input type="text"/>
		Records Held:	<input type="text"/>

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 48-007(a)

PRS:	48-007(a)		
SWAT Meeting Date:	12/9/1997	FMU Contact:	Sara Helmick
Official Submittal Date:	6/17/1998	ER Contact:	Gabriela Lopez-Escobedo
Constituent Data:	Yes	Erosion Matrix:	55.8

General SWAT Comments:

An unlined pond located south of 48-45 (48-010) receives surface water runoff from adjacent parking area as well as effluent from NPDES outfalls Q3A045 and Q4A153 (48-007 a, d) respectively, originating from 48-1. A wetland has developed in this area. CPOCs found by sampling within the wetland include radionuclides, metals, and VOCs.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Field verification is needed (Spring 98) to determine if erosion is occurring below wetland.	ER/ESH-18
Item: 2 Further sampling is recommended below wetland to determine if CPOCs are migrating from site.	ER

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Visit site to determine if erosion is occurring below wetland	ER/ESH-18	4/99	
Item: 2 Collect additional samples, determine if contaminants are migrating from site.	ER	FY00	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input style="width: 100px;" type="text"/>	Contact: <input style="width: 100px;" type="text"/>
	Records Held: <input style="width: 100px;" type="text"/>

General Comments:

64779 • 00400000 • 4/00/98

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 48-007(c)**

PRS:	48-007(c)	FMU Contact:	Sara Helmick
SWAT Meeting Date:	12/9/1997	ER Contact:	Gabriela Lopez-Escobed
Official Submittal Date:	6/17/1998	Erosion Matrix:	69.5
Constituent Data:	Yes		

General SWAT Comments:

NPDES outfall (04A131) discharges non-contact cooling water from 48-1. Sources include floor drains, a trench drain and roof drains. Flow rates are listed as nil, except for storm water discharges.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Flow dissipation within the drainage channel is recommended to impede further gully erosion.	ER/FM
Item: 2	Further evaluation of existing and pending data for the site is needed.	ER/SWAT
Item: 3	Determination of ownership of PRS located outside fenced area is needed.	ER/ESH-18/FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	BMPs will be installed (erosion control)	ER/FM	FY99	
Item: 2	Evaluate existing and pending data and notify SWAT if COPCs involve bioaccumulators.	ER/SWAT	FY99	
Item: 3	Determine ownership of site before item 1 and 2 can be accomplished.	ER/ESH-18/FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment		Tabular List of BMPs:	
Frequency	<input type="text"/>	Contact	<input type="text"/>
		Records Held:	<input type="text"/>

General Comments:

Recommendation #3 should be addressed first to determine who will be responsible for the BMPs needed at this site.

K. G. P. • C. H. G. P. • G. L. E. P. • G. L. E. P.

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 48-007(f)

PRS:	48-007(f)		
SWAT Meeting Date:	12/9/1997	FMU Contact:	Sara Helmick
Official Submittal Date:	6/17/1998	ER Contact:	Gabriela Lopez-Escobed
Constituent Data:	Yes	Erosion Matrix:	76.5

General SWAT Comments:

NPDES outfall (04A137) discharges non-contact cooling water from 48-46. Sources were believed to be terminated as a result of the waste stream corrective action program, but "mystery" discharges are still occurring from outfall. CPOCs were not found in preliminary sampling.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:	
Item:	1	Flow dissipation within the drainage channel is recommended to impede further gully erosion.	ER/FM
Item:	2	The source of "mystery" water discharges should be traced down and disconnected.	ESH-18/FM
Item:	3	Determine who the appropriate owner is for the site	ER/ESH-18/FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1	Put BMPs in place (erosion control)	ER/FM	FY99
Item:	2	Determine source of discharges	ESH-18/FM	FY99
Item:	3	Determine ownership of site before item 1 and 2 can be accomplished	R/ESH-18/F	FY99

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input style="width: 50px;" type="text"/>	Contact: <input style="width: 50px;" type="text"/>
	Records Held: <input style="width: 50px;" type="text"/>

General Comments:

Recommendation #3 should be addressed first to determine who will be responsible for the BMPs needed at this site.

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 48-010

PRS:	48-010		
SWAT Meeting Date:	12/9/1997	FMU Contact:	Sara Helmick
Official Submittal Date:	6/17/1998	ER Contact:	Gabriela Lopez-Escobed
Constituent Data:	Yes	Erosion Matrix:	80.3

General SWAT Comments:

An unlined pond located south of 48-45 (48-010) receives surface water runoff from adjacent parking area as well as effluent from NPDES outfalls C3A045 and O4A153 (48-007 a, d) respectively, originating from 48-1. A wetland has developed in this area. CPOCs found by sampling within the wetland include radionuclides, metals, and VOCs.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item:	1	Field verification is needed to determine if erosion is occurring below wetland.
		ER/ESH-18
Item:	2	Further sampling is recommended below wetland to determine if CPOCs have migrated from site.
		ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1	Visit site (spring 98) determine if erosion is occurring below wetland	4/99	
			ER/ESH-18	
Item:	2	Collect additional samples, determine if contaminants have migrated from site	FY00	
			ER	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency: <input style="width: 100px;" type="text"/>	Contact: <input style="width: 100px;" type="text"/>
	Records Held: <input style="width: 100px;" type="text"/>

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 49-001(g)

PRS:	<input type="text" value="49-001(g)"/>	FMU Contact:	<input type="text"/>
SWAT Meeting Date:	<input type="text" value="11/20/1998"/>	ER Contact:	<input type="text" value="Deba Daymon"/>
Official Submittal Date:	<input type="text" value="12/1/1998"/>	Erosion Matrix:	<input type="text" value="SR2"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Drainage swale and adjacent banks discharge directly towards tributary of Water Canyon. Site is located north of MCA AB.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 None, since site is managed under a site specific SWPPP.	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

run-on diversion
silt fence
straw bale barrier
velocity dissipation device

Frequency: Contact: Records Held:

General Comments:

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 49-003

PRS:	49-003		
SWAT Meeting Date:	7/28/1998	FMU Contact:	
Official Submittal Date:	8/3/1998	ER Contact:	Deba Daymon
Constituent Data:	No	Erosion Matrix:	36.8

General SWAT Comments:

Septic leach field above MDA-AB. Diversion channel has been installed below this site with erosion/sediment controls within adjacent swales near site.

Date of Part B Revision: 8/3/1998 Revisit Recommended Revisit Date:

Revisit Comments:

Original assessment performed on 2/26/98 was performed outside fenced area without knowledge of the actual PRS boundary. Upon further review, the PRS boundary was determined to be a small 30"x40" septic leach field located in the center of a heavily vegetated meadow. This updated score reflects the new information obtained from a field visit performed on 8/3/98.

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Inspect and maintain as required under the site's SWPPP	ER

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 An inspection and maintenance program for BMPs has been implemented.	ER	Ongoing	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

run-on diversion
silt fence
straw bale barrier
velocity dissipation device

Frequency: Weekly Contact: John Dejos Records Held: MK

General Comments:

Weekly inspections while the site is active.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 50-006(a)**

PRS:	50-006(a)	FMU Contact:	Steve Hanson
SWAT Meeting Date:	11/10/1997	ER Contact:	Deba Daymon
Official Submittal Date:		Erosion Matrix:	77.8
Constituent Data:	Yes		

General SWAT Comments:

Hummock site at headwaters of Ten Site Canyon has undergone an Interim Action (11/96) to remove approximately 3/4 cu yd of contaminated soil.

Date of Part B Revision: Revisit Recommended Revisit Date: 11/12/1996

Revisit Comments:

Good condition, closed. End of project 11/27/95.

Actions Recommended at SWAT Meeting:

Item: 1 Visually inspect to assure that gully erosion found at site is not impacting the cleanup site.	Owner: ER/ESH-18/FM
--	---------------------

Actions Proposed by ER, FM or ESH-18:

Item:	Owner:	Target Date:	Actual Date:
1 Site visit will performed to assure that gully erosion has not impacted cleanup site.	ER/ESH-18/FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Removed contaminated soil, straw bales placed on down-slope side.
BMPs installed 11/30/96

Tabular List of BMPs:

seeding, permanent

Frequency Contact R. Romero

Records Held: ESH-19

General Comments:

CONJ. • UIC00000 • 00000

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 50-006(d)**

PRS:	50-006(d)	FMU Contact:	Steve Hanson
SWAT Meeting Date:	8/18/1998	DR Contact:	Deba Daymon
Official Submittal Date:	9/23/1998	Erosion Matrix:	89
Constituent Data:	Yes		

General SWAT Comments:

Active outfall from the TA-50 RLWTF into Mortandad Canyon. Discharges are directly into Mortandad Canyon where visible sediment transport was observed.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Consider reducing rate of discharge to lower erosion impact to canyon channel.	FM
Item: 2 Coordinate with Watershed Management Team for monitoring constituents in Mortandad Canyon.	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 FM will be contacted and a determination will be made if reducing discharge rates are practicable.	ESH-18/FM	FY 99	
Item: 2 Mortandad Canyon DQOs have been completed and have addressed the constituents believed to be discharging from the RLWTF.	ER/ESH-18	Aug 98	Aug 98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment: Tabular List of BMPs:

Frequency: Contact: Records Held:

General Comments:

A-1111 • URBANIZATION • 03.1.13

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 53-008**

PRS:	<input type="text" value="53-008"/>	FMU Contact:	<input type="text"/>
SWAT Meeting Date:	<input type="text" value="7/28/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="8/3/1998"/>	Erosion Matrix:	<input type="text" value="61.8"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

"Boneyard" storage for neutron beam targets. Targets may include some radioactive materials encased in concrete blocks or other stabilizing materials. Since this PRS is not on the HSWA list, we do not recommend adding it to the TA-53 Industrial Activity SWPP Plan. Rather, it will be treated as a facility cleanup.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Determine whether storage activities are required. If not, abandon boneyard.	FM
Item: 2	Stabilize with base course, gravel or berm, following BMP Guidance Document.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	FM will make a decision on future use of boneyard	FM	FY99	
Item: 2	FM will provide controls under the TA-53 SWPPP	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment		Tabular List of BMPs:	
Frequency	<input type="text"/>	Contact	<input type="text"/>
Records Held:	<input type="text" value="Pueblo Complex"/>		

General Comments:

FM is LANCE facility.

6-11-98 11:00 AM

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 53-012(a)**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Need adequate site map showing actual location of PRS	ER
Item: 2	Coordinated with Watershed Management Team on monitoring effort for Los Alamos Canyon	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	ER will provide adequate site map for file	ER	FY99	
Item: 2	Los Alamos Canyon DCOs have been completed and have addressed the COPCs of concern	ER/ESH-18	Sept 98	Sept 98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment

Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

Surface Water Assessment Team (SWAT)

Recommended and Proposed Actions for PRS 53-012(c)

PRS:	<input type="text" value="53-012(c)"/>	FMU Contact:	<input type="text"/>
SWAT Meeting Date:	<input type="text" value="8/18/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="9/23/1998"/>	Erosion Matrix:	<input type="text" value="C2"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Active NPDES outfall 03A049, located on the north side of TA-53 above Los Alamos Canyon.

Date of Part B Revision:
 Revisit Recommended
 Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meetings:		Owner:
Item:	1 Need adequate site map showing actual location of PRS	ER
Item:	2 Coordinated with Watershed Management Team on monitoring effort for Los Alamos Canyon	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item:	1 ER will provide adequate site map for file.	ER	FY99	
Item:	2 Los Alamos Canyon DCOs have been completed and have addressed the CCPCs of concern	ER/ESH-18	Sept 98	Sept 98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Frequency <input type="text"/>	Contact <input type="text"/>	Tabular List of BMPs: Records Held: <input type="text"/>
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General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 55-011(b)**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Storm drain system for northwest side of TA-55. Asphalt apron has collapsed at outfall location. The site is covered by a facility SWPPP.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Update the status of sampling effort at site to-date.	ER
Item: 2	Fix the asphalt apron at outfall.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	EPA told ER not to sample site, no sampling planned?	ER	TBD?	
Item: 2	Facility will replace collapsed asphalt apron.	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment Tabular List of BMPs:

Frequency Contact Records Held:

General Comments:

Need to verify EPA statement regarding sampling at the site.

01/11/99 10:00:00 AM

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 55-011(e)**

PRS:	<input type="text" value="55-011(e)"/>	FMU Contact:	<input type="text" value="Bill Schuster"/>
SWAT Meeting Date:	<input type="text" value="11/5/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="11/9/1998"/>	Erosion Matrix:	<input type="text" value="56.6"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Storm drain system for north/west side of TA-55. Asphalt apron has collapsed at outfall location. The site is covered by a facility SWPPP.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Update the status of sampling effort at site to-date.	ER
Item: 2	Fix the asphalt apron at outfall.	FM

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	EPA told ER not to sample site, no sampling planned?	ER	TBD?	
Item: 2	Facility will replace collapsed asphalt apron.	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment		Tabular List of BMPs:	
Frequency	<input type="text"/>	Contact	<input type="text"/>
		Records Held:	<input type="text"/>

General Comments:

Need to verify EPA statement regarding sampling at the site.

SWAT - 55-011(e) - 11/9/98

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 72-001**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Active small arms firing range located adjacent to and within main drainage channel of Sandia Canyon.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Provide copy of existing SWPPP to SWCB	FM
Item: 2	Review existing 401/404 dredge and fill permit for completeness	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	SWCB will request copy of existing SWPPP in writing	FM	FY99	
Item: 2	ESH-18 will review existing 401/404 dredge and fill permit for completeness	ESH-18	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
 Earth berms with "Jersey barrier" core to divert stream channel from structures and firing range. No maintenance required due to mass of Jersey barriers, installed 1968.

Tabular List of BMPs:

Earth berm
regrading

Frequency Contact Records Held:

General Comments:

Other BMPs may have been implemented here. Please provide list when verified. Site managed under site-specific SWPPP by PTLA.

SWAT - 11/19/98 - 11/19/98

Surface Water Assessment Team (SWAT) Recommended and Proposed Actions for PRS 73-001(a)

PRS:	73-001(a)		
SWAT Meeting Date:	2/19/1998	FMU Contact:	
Official Submittal Date:	6/2/1998	ER Contact:	Terry Rust
Constituent Data:	Yes	Erosion Matrix:	65.5

General SWAT Comments:

DOE and more recently Los Alamos County Landfill located north of airport runway. Debris scattered throughout site, within drainage and into canyon. CQPCs include metals and uranium.

Date of Part B Revision: 3/13/1998 Revisit Recommended Revisit Date: 3/13/1998

Revisit Comments:

Site was investigated again upon the request of Peer Review Team who suggested that the entire site may not have been addressed during the original Part B assessment. Addition gully erosion was observed on the central east facing lobe of the landfill.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Complete field work and submit report to DOE/LAAO in preparation for a presumptive remedy/CMS by 8/30/98 as part of FY98 Performance Measures.	ER
Item: 2	Remove visible debris located within a tributary watercourse of Pueblo Canyon observed below landfill. Conduct a site visit (ESH-18/ER/FM/DOE-OB) to determine refuse, watercourse and ownership.	ESH-18/AIP
Item: 3	Provide stabilization of slope where severe gully erosion was observed on the north face of landfill.	ER
Item: 4	Consider additional run-on controls to reduce infiltration and erosion problems on landfill area.	ER

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	The report will be submitted by 9/30/98 as part of the FY 98 Performance Measure. Waiting for NMED comments before proceeding.	ER	8/30/98	9/30/98
Item: 2	Site in question has been toured by ESH-18 and ER. Plans are being considered, costing is being estimated, budget is being evaluated for available funding, and scheduling is being developed. ER is evaluating the cost/benefit of incorporating this recommendation into the closure of the PRS via a presumptive remedy. It is unlikely this recommendation can be implemented this FY.	ESH-18/AIP	FY99	
Item: 3	This will be addressed during the presumptive remedy of the PRS.	ER	FY99	
Item: 4	Controls have been implemented for run-on diversion at west end of landfill.	ER	FY98	11/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Run-on control above exposed north facing debris pile (culvert) has been installed as a diversion practice.

Tabular List of BMPs:

gabions
pipe slope drain
rock outlet protection
run-on diversion
seeding, permanent
velocity dissipation device

Frequency 3 Months Contact Steve Cathoun Records Held: MGP/PMC

General Comments:

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**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS 73-002**

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PRS:	73-002	FMU Contact:	
SWAT Meeting Date:	2/19/1998	ER Contact:	Terry Rust
Official Submittal Date:	6/2/1998	Erosion Matrix:	56
Constituent Data:	Yes		

General SWAT Comments:

Former Airport Incinerator ash site located off mesa edge north of airport. COPCs include dioxins, metals and Uranium. Visible debris observed throughout site including ash, glass, slag and rusted cans.

Date of Part B Revision: Revisit Recommended Revisit Date: 4/1/1998

Revisit Comments:

Frozen

Actions Recommended at SWAT Meeting:	Owner:
Item: 1 Recommend follow through with proposed cleanup in FY 98.	ER
Item: 2 Provide additional data that has been obtained since the submittal of Part A form in November 97. Do SWAT.	ER
Item: 3 Recommend collecting surface water runoff samples below site to assure contaminants are not reaching Pueblo Canyon watercourse.	ESH-18

Actions Proposed by ER, FM or ESH-18:	Owner:	Target Date:	Actual Date:
Item: 1 Contract is being bid for the development of Corrective Action plan, fieldwork, and a report.	ER	FY00	
Item: 2 Draft data received recently. Review of data will determine what further characterization is needed prior to remediation.	ER	6/99	
Item: 3 The Watershed Team has completed the DQO process for Pueblo Canyon and has included the COPCs for this site in the monitoring strategy.	ESH-18	FY 98	8/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Straw bales in place along edge of mesa top. BMPs installed 4/30/98	earth berm
	straw bale barrier
Frequency: 4 Weeks	Contact: Steve Calhoun
	Records Held: PMC

General Comments:

Weekly inspections are no longer performed. The site is inspected on a monthly basis or after rainfall events greater than .5 inches.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS C-11-001**

PRS:	C-11-001	FMU Contact:	Judith Huchton
SWAT Meeting Date:	3/12/1998	ER Contact:	Don Hickmott
Official Submittal Date:	6/2/1998	Erosion Matrix:	3.6
Constituent Data:	No		

General SWAT Comments:

This PRS is located beneath the concrete covered drop pad area at TA-11. The drop pad area also has a 12" concrete curb, which provides containment for surface water discharges. Currently active drop tower activities for the site are listed as PRSs 11-004(a-f) and will be addressed at a future SWAT meeting.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:

Item:	Description	Owner:
1	Recalculate the AP 4.5 Part B scores to reflect the actual site conditions for this PRS.	ESH-18

Actions Proposed by ER, FM or ESH-18:

Item:	Description	Owner:	Target Date:	Actual Date:
1	Score was recalculated to reflect the actual site conditions for this PRS. Agree	ESH-18	FY98	3/19/98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment
Asphalt covered with 12" concrete curb around drop pad.

Tabular List of BMPs:

asphalt/concrete repaving
secondary containment

Frequency: Contact: Records Held:

General Comments:

Inspections not required for concrete curb

1-1000-1 (11/00/98) 6/4/99

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS C-33-001**

PRS:	<input type="text" value="C-33-001"/>	FMU Contact:	<input type="text" value="Franco Serrano"/>
SWAT Meeting Date:	<input type="text" value="9/30/1998"/>	ER Contact:	<input type="text" value="John McCann"/>
Official Submittal Date:	<input type="text" value="10/1/1998"/>	Erosion Matrix:	<input type="text" value="S6"/>
Constituent Data:	<input type="text" value="Yes"/>		

General SWAT Comments:

Former transformer mounted on concrete pad near 33-114. Currently used as storage area. PCB detected on surface of asphalt near the site. A storm water catch basin exists adjacent to site within +/- 50'.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Site revisited by Mike Alexander, Steve Veanis, Linda Fluk and Scott Alexander. Sweeping will be performed at site. Facility will take action to provide a run-on berm on north edge of site below another adjacent PRS. Consideration will be given to installing "sediment sacks" within storm drains to collect accumulated sediments.

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Complete Phase II sampling to determine nature and extent at the site	ER
Item: 2	Sweep site of sediment to minimize potential of contaminated sediments from entering storm drains	ER
Item: 3	Revisit site to determine if other actions are necessary	ER/ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Phase II sampling is scheduled for FY 99	ER	4/99	
Item: 2	Site will be swept to reduce potential for sediment transport.	ER	FY99	
Item: 3	Site will be revisited to determine if other actions necessary	ER/ESH-18	Oct 98	Oct 98

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency <input type="text"/>	Contact <input type="text" value="Linda Fluk"/> Records Held: <input type="text" value="ICF"/>

General Comments:

The storm water catch basins located within the parking area near the former transformers discharge directly into the adjacent drainage. "Silt sack" or similar types of sediment collection BMPs will be considered for the catch basins. IA Plan 4/99.

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS C-35-005**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

100-gal. spill from overflowing MARX Generator Tank on December 3, 1988. The oil was spilled inside TA-35-125 and oil flowed out the door and into Ten Site Canyon. Oil and water were discharged to the canyon for a distance of 400 yd. Oil and water froze on the snow in the canyon and was easily cleaned.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Collect samples to determine if COPC exist at site	ER
Item: 2	Stabilize undercutting at end of discharge channel.	FM
Item: 3	Consider flow dissipation within channel below site.	FM

Actions Proposed by ER, FM or ESH-78:		Owner:	Target Date:	Actual Date:
Item: 1	Collect samples to determine if COPCs are present.	ER	FY 00	
Item: 2	Controls will be considered to include (erosion control, undercutting at edge of discharge channel)	FM	FY 99	
Item: 3	Dissipation within channel below site will be considered.	FM	FY 99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment: Tabular List of BMPs:

Frequency: Contact: Records Held:

General Comments:

FM site contact needed.

4-001-1000-000-000-000

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS C-36-003**

PRS:

SWAT Meeting Date: FMU Contact:

Official Submittal Date: ER Contact:

Constituent Data: Erosion Matrix:

General SWAT Comments:

Active NPDES-permitted photo outfall EPA 06A106 which drains into Three Mile Canyon. Constituents of concern include SVOCs and metals. According to WSC information, drain scheduled to be connected to the SWSC line.

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Install appropriate BMPs, like retention basin, revegetation, or run-on diversion dike.	FM
Item: 2	Follow up on schedule for connection to SWSC line	ESH-18

Actions Proposed by ER, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	Schedule of SWSC line connection will be verified	ESH-18	FY99	12/98
Item: 2	Straw bale check dams installed in 9/97, more appropriate BMPs will be evaluated	FM	FY99	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment:

Frequency: Contact: Tabular List of BMPs:

Records Held:

General Comments:

**Surface Water Assessment Team (SWAT)
Recommended and Proposed Actions for PRS C-46-001**

PRS:	<input type="text" value="C-46-001"/>	FMU Contact:	<input type="text" value="Jim Kubicek"/>
SWAT Meeting Date:	<input type="text" value="2/4/1998"/>	ER Contact:	<input type="text" value="Gabriela Lopez-Escobed"/>
Official Submittal Date:	<input type="text" value="6/17/1998"/>	Erosion Matrix:	<input type="text" value="68.3"/>
Constituent Data:	<input type="text" value="No"/>		

General SWAT Comments:

Hg spill near building 46-75 in July of 1975. Cleanup of all visible Hg occurred, although no precise location of the spill was given. The outfall impacted is suspected to be BB. No soil samples have been collected at this PRS to-date. The Surface Water Assessment Team recommends that the surface water impacts from TA-46 to Canada del Buey be addressed in comprehensive approach rather than a PRS by PRS approach since so much overlap exists between the sites. The entire north-facing slope from TA-46 has multiple drainage channels formed from past and present industrial and storm water discharges. The north facing slope and adjacent drainage channels are suspected to have varying concentrations of COPCs, including Hg, Pb and radionuclides. To help reduce any impact that surface water and/or sediment transport may be having on Canada del Buey, the SWAT has made the following recommendations:

Date of Part B Revision: Revisit Recommended Revisit Date:

Revisit Comments:

Actions Recommended at SWAT Meeting:		Owner:
Item: 1	Collect soil/sediment samples to assess whether COPCs are present.	ER
Item: 2	The access road located within the canyon could be used as a berm, that would act as a retention area if low spots in the road were elevated.	FM
Item: 3	Utilize existing surface water monitoring stations currently in place to collect samples anytime flow events occur as part of watershed management effort.	ER/ESH-18
Item: 4	Delineate the site into well-defined drainages or aggregates.	ER

Actions Proposed by CR, FM or ESH-18:		Owner:	Target Date:	Actual Date:
Item: 1	ER will work on prioritizing "Phase I" sampling for this PRS.	ER	FY02	
Item: 2	The feasibility for this recommendation will be evaluated.	FM	FY99	
Item: 3	ESH-18 will coordinate with ER to collect samples during all flow events for watershed effort.	ER/ESH-18	FY99	
Item: 4	ER Compliance Team is developing an aggregation approach that will incorporate geographic issues.	ER	TBD	

INSPECTION & MAINTENANCE INFORMATION

Description of Existing BMPs from Erosion Assessment	Tabular List of BMPs:
Frequency <input type="text"/> Contact <input type="text"/>	Records Held: <input type="text"/>

General Comments:

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