

01-024



Los Alamos National Laboratory
University of California
Environmental Science and Waste Technology (E)
Environmental Restoration (ER) Project, MS M992
Los Alamos, New Mexico 87545
(505) 667-0808/FAX (505) 665-4747



U.S. Department of Energy
Los Alamos Area Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
(505) 667-7203/FAX (505) 665-4504

Date: September 28, 2001
Refer to: ER2001-0809

Mr. John Young, Corrective Action Project Leader
Permits Management Program
NMED – Hazardous Waste Bureau
2905 Rodeo Park Drive East
Building 1
Santa Fe, NM 87505-6303



**SUBJECT: ANNUAL TRANSMITTAL OF BEST MANAGEMENT PRACTICES
IMPLEMENTED AT POTENTIAL RELEASE SITES (PRSS) AT THE
LOS ALAMOS NATIONAL LABORATORY (LANL)**

Dear Mr. Young:

Enclosed please find a list of all Best Management Practices (BMPs) installed, inspected and maintained at potential release sites at the LANL. These BMPs have been implemented as a result of recommendations from the Surface Water Assessment Team (SWAT) which has held bi-monthly meetings since late 1997. The SWAT is comprised of members of the DOE/OB, NMED/SWQB, ESH-18, ER and other LANL Facility staff.

As previously requested, this is an annual update on the status of BMPs, including those implemented as a result of the Cerro Grande Fire. The ER Project staff is committed to providing this information to you in order to update the RCRIS database.

Please ask your office to contact Dave McInroy at (505) 667-0819 or Steve Veenis at (505) 667-6919, if you have any questions.

Sincerely,

Julie A. Canepa, Program Manager
Environmental Restoration Project
Los Alamos National Laboratory

Sincerely,

Mat Johansen, Project Manager
Department of Energy
Los Alamos Area Office



HSWA LANL-G/m/01

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Enclosure: Best Management Practices (9/28/01)

Cy (w/enc.):

M. Kirsch, E/ER, MS M992
D. McInroy, E/ER, MS M992
D. Neleigh, US EPA (2 copies)
S. Rae, ESH-18, MS K497
M. Saladen, ESH-18, MS K497
B. Enz, LAAO, MS A316
M. Johansen, LAAO, MS A316
G. Turner, LAAO, MS A316
J. Vozella, LAAO, MS A316
J. Parker, NMED-DOE OB
S. Yanicak, NMED-DOE OB, MS J993
G. Saums, NMED-SWQB
J. Davis, NMED-SWQB
M. Leavitt, NMED-GWQB
E/ER File, MS M992
IM-5, MS A150
RPF, MS M707

Cy (w/o enc.):

J. Canepa, E/ER, MS M992
M. Baker, E/DO, MS J591
W. Neff, CST-7, MS M992
S. Veenis, ESH-18, MS K497
J. Bearzi, NMED-HWB
J. Kieling, NMED-HWB

**Best Management Practices
Installed, Inspected and Maintained by ER Project**

PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
00-019	Central wastewater treatment plan	51.5	Asphalt berm to divert run-on	Sep 90 thru Sep99	None, site was recommended for close out	07/16/01
01-001(d)	Septic tank (hillside 138)		Straw bales were installed on downslope side of project during and after excavation After reseeding, straw mulch was applied to the area The access road was converted into an earthen berm to contain all future surface water discharges from the site	May 96 thru October 96	No maintenance has been required at this PRS during FY2001	08/21/01
02-009(a)	Non-intentional release	57.0	Poly-jute, seeding permanent	Feb-99	No maintenance has been required at this PRS during FY2001	07/16/01
03-010(a)	Mercury contamination		Straw bales and silt fence in drainage, slope reseeded and covered with jute mat	Nov-94	05/04/01: New silt fence supports were installed Site recommended for close out on 5/8/01	05/08/01
03-012(b)	Power plant NPDES outfall		Sandbags for diversion and straw bales in drainage	Jun-96	5/25/01: River rock was installed below the clvert outlet 8/4/01: Additional river rock was placed below the culvert outlet and for 20ft below the outlet (1-2 yards)	08/21/01
03-013(a)	Parking lot drainage from main TA-3 lot	45.0	Rock outlet protection	Jan-90	6/8/01: Additional river rock was added below culvert	08/21/01
03-013(b)	Parking lot drainage from main TA-3 lot	45.0	Rock outlet protection	Jan-90	Site stable, inspections closed out	NA

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
03-045(b)	Former Outfall	65.0	Sandbags with straw bale barriers	Jan-94	Site stable, inspections closed out	NA
03-045(c)	Former Outfall	57.7	Rock outlet protection, straw bale barrier	Aug-99	Site stable, inspections closed out	NA
03-052(f)	Active outfall	45.0	Rock outlet protection	Jan-90	05/04/01: Staw wattle was replaced 6/8/01: Additional river rock was added below culvert	08/21/01
03-054(b)	Active outfall	65.8	Retention structure/artificial wetland	Jan-90	No maintenance has been required at this PRS during FY2001	08/21/01
03-054(e)	Active outfall	89.0	Gabions	Jan-90	No maintenance has been required at this PRS during FY2001 Site recommended for close out	08/21/01
03-056(c)	Soil contamination	45.0	Site is covered with asphalt on top of mesa which has been designed to drain to one common discharge point. Riprap/gabions have been placed around the edge of the asphalt to dissipate run-on. Check dams and wattles are located on the northern slopes and all areas with exposed soil have been reseeded.	July 95 thru August 01	Site has been remediated and BMPs were inspected and maintained during this effort. Continued inspection and maintenance will occur on the northern slope until the site is stabilized.	08/21/01
04-001	Firing Site	45.0	Mulching, seeding; permanent, straw wattles	Jul-00	5/16/01: Approx one dozen wattles were installed, several additional trees were contour felled	07/16/01

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
04-002	Surface disposal	51.5	Mulching, seeding; permanent, straw wattles	Jul-00	5/16/01: Approx one dozen wattles were installed, several additional trees were contour felled	07/16/01
04-003(b)	Outfall	51.5	Mulching, seeding; permanent, straw wattles	Jul-00	5/16/01: Approx one dozen wattles were installed, several additional trees were contour felled	07/16/01
05-001(a)	Former Firing Site	45.0	Mulching, seeding; permanent, straw wattles	Jul-00	5/16/01: approx 40 additional straw wattles were installed, several trees were trimmed or contour felled to provide more effective control	06/22/01
05-001(b)	Former Firing Site	45.0	Mulching, seeding; permanent, straw wattles	Jul-00	5/16/01: approx 40 additional straw wattles were installed, several trees were trimmed or contour felled to provide more effective control	06/22/01
05-003	Former Calibration chamber	3.6	Mulching, run-on diversion, seeding; permanent	Jul-00	5/3/01 20-30 more straw wattles were installed	06/22/01
05-004	Former Septic system	49.7	Mulching, run-on diversion, seeding; permanent	Jul-00	5/3/01 20-30 more straw wattles were installed	06/22/01
05-005(a)	Former French drain	45.0	Mulching, seeding; permanent, straw wattles	Jul-00	5/16/01: approx 40 additional straw wattles were installed, several trees were trimmed or contour felled to provide more effective control	06/22/01

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05-005(b)	Outfall	53.7	Mulching, seeding; permanent, straw wattles	Jul-00	5/3/01: 5-10 wattles were installed at the toe of the slope	06/22/01
05-006(b)	Soil contamination beneath former bldgs	45.0	Mulching, seeding; permanent, straw wattles	Jul-00	5/16/01: approx 40 additional straw wattles were installed, several trees were trimmed or contour felled to provide more effective control	06/22/01
05-006(c)	Soil contamination beneath former bldgs	53.7	Seeding; permanent, straw wattles	Jul-00	5/3/01: 5-10 wattles were installed at the toe of the slope	06/22/01
05-006(e)	Soil contamination beneath former bldgs	45.0	Mulching, seeding; permanent, straw wattles	Jul-00	5/16/01: approx 40 additional straw wattles were installed, several trees were trimmed or contour felled to provide more effective control	06/22/01
05-006(h)	Soil contamination beneath former bldgs	45.0	Mulching, seeding; permanent, straw wattles	Jul-00	5/16/01: approx 40 additional straw wattles were installed, several trees were trimmed or contour felled to provide more effective control	06/22/01
06-007(g)	Building & surface disposal	50.8	Mulching, seeding; permanent, straw wattles	Jul-00	5/24/01: Several additional straw wattles were added 7/23/01: River rock riprap was placed at the head of the channel, damaged wattles were repaired	07/05/01

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
09-004(n)	Settling tank	3.6	Mulching, seeding; permanent, straw wattles	Jul-00	No maintenance has been required at this PRS during FY2001 Site recommended for closeout on 5/10/01	05/10/01
09-004(o)	Settling tank	43.8	Plugged outfall, Mulching, seeding; permanent, straw wattles	Jun-96 thru Jul00	No maintenance has been required at this PRS during FY2001	07/11/01
09-009	Surface impoundment	58.8	Mulching, seeding; permanent, straw wattles	Jul-00	No maintenance has been required at this PRS during FY2001	07/11/01
09-013	NPDES outfall	56.0	Revegetated, berm installed for diversion, straw bales placed for sediment transport controls	Aug-96	No maintenance has been required at this PRS during FY2001	07/13/01
11-001(a-c)	K-Site Firing site	3.6, 22.7, 56.2	Asphalt paving/concrete curbing around drop pad	Nov96 thru Oct98	No maintenance has been required at this PRS during FY2001	07/13/01
11-003(a)	K-Site Firing site and Firebreak access road	81.0	Regraded firebreak road to divert flow away from PRS	Nov-96	Covered under Firebreak SWPPP	08/01/01
11-004(a-f)	Drop tower - Firing Site (active)	56.0	Check dam, covering; poly-jute, hydroMulching, straw bale barrier	Oct98 thru Jul 00	No maintenance has been required at this PRS during FY2001	08/07/01
11-006(a-d)	Tank and/or assoc equip	10.6, 52, 68.8, 74	Check dam, covering; poly-jute, hydroMulching, straw bale barrier	Nov96 thru May 00	No maintenance has been required at this PRS during FY2001	08/07/01
14-002 (a)	Decommissioned firing chamber	51.5	Straw bale barrier within drainage channel below site, sand bags placed below site to divert run-on onto 14-009	Nov-96	6/07/01: Approx 10 straw wattles were replaced	07/05/01
14-002(c)	Building	36.8	Mulching, riprap, seeding; permanent, straw bale barrier	Jun-00	6/07/01: Two to three straw wattles at head of drainages were replaced	07/05/01

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
14-002(d)	Firing site (inactive)	40.8	Seeding; permanent, straw bale barrier	Jun-00	6/07/01: Two to three straw wattles at head of drainages were replaced	07/05/01
14-002(e)	Firing site (inactive)	47.8	Mulching, seeding; permanent, straw bale barrier	Jun-00	6/07/01: Two to three straw wattles at head of drainages were replaced	07/05/01
14-003	Open burning ground	31.4	Straw bales were installed in a semi-circle around the downslope side of the area to be excavated	Sep-96	Site stable, inspections closed out	NA
14-006	Tank and/or assoc equip	47.1	Mulching, seeding; permanent, straw wattles	Jul-00	6/07/01: Two to three straw wattles were replaced	07/05/01
14-009	Old detonation pad	53.7	Two straw bale check dams placed in drainage, sand bags placed above sight to divert run on	Nov-96	7/20/01: Approximately 3 wattles were replaced due to wildlife damage or accumulated sediment	07/05/01
14-010	Waste dump	51.5	Straw bale barrier	1997	6/07/01: Approx 10 straw wattles were replaced	07/05/01
15-004(f)	Inactive Firing Site	33.2	Sand bags for run-on diversion	1996	4/13/01: Approx 20 straw wattles were replaced	07/05/01
15-006 (c)	Firing site R-44	64.5	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	Nov-96	7/20/01: Aprox eight additional straw wattles were added at western limit of PRS where sediment has filled behind wattle	07/05/01
15-007(b)	Material disposal area (MDA Z) Landfill	40.2	Mulching, seeding; permanent, straw wattles	Jul-00	No maintenance has been required at this PRS during FY2001	07/05/01

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
15-008(b)	Firing site R-44	67.2	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	Nov-96	7/20/01: Aprox eight additional straw wattles were added at western limit of PRS where sediment has filled behind wattle	07/05/01
15-008(a)	Surface disposal area	40.2	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	Nov-96	4/13/01: Approx 20 straw wattles were replaced	07/05/01
15-009(c)	Septic tank	72.0	Silt fence	Sep-98	5/10/01:silt fence repaired	07/05/01
15-011(a)	Sump	51.5	Mulching, run-on diversion, seeding; permanent, straw wattles	Jun-00	No maintenance has been required at this PRS during FY2001 Site recommended for closeout on 3/30/01	03/30/01
15-011(b)	Dry well	3.6	Asphalt/concrete repaving	Jun-00	No maintenance has been required at this PRS during FY2001	07/11/01
15-011(c)	Sump	87.0	Mulching, run-on diversion, seeding; permanent, straw wattles	Jun-00	No maintenance has been required at this PRS during FY2001	07/11/01
15-014(i)	Outfall	87.0	Mulching, run-on diversion, seeding; permanent, straw wattles	Jun-00	No maintenance has been required at this PRS during FY2001	07/11/01
15-014(j)	Outfall	3.6	Asphalt/concrete repaving, Mulching, run-on diversion, seeding; permanent, straw wattles	Jan 90 thru Jun 00	No maintenance has been required at this PRS during FY2001	07/11/01

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
15-014(k)	Outfall	61.3	Mulching, run-on diversion, seeding; permanent, straw wattles	Jun-00	No maintenance has been required at this PRS during FY2001 Site recommended for closeout on 3/30/01	03/30/01
16-003(a)	Sump	3.6	Mulching, seeding; permanent, straw wattles	Jul-00	No maintenance has been required at this PRS during FY2001	08/07/01
16-003(f)	Sump	55.5	Mulching, seeding; permanent, straw wattles	Jun-00	No maintenance has been required at this PRS during FY2001	08/07/01
16-003(k)	HE sumps	8.8	Plastic covering over trench, run-on diversion curb	Jan 90 thru Oct 98	Covered by 16-260 CMS SWPPP	09/01/01
16-003(n)	Sump	38.6	Mulching, seeding; permanent, straw bale barrier, straw wattles	Jun-00	No maintenance has been required at this PRS during FY2001	08/07/01
16-003(o)	Sump	25.0	Mulching, seeding; permanent, straw bale barrier	Jun-00	No maintenance has been required at this PRS during FY2001	08/07/01
16-004(f)	Waste water treatment facility	27.3	Mulching, seeding; permanent, straw wattles	Jul-00	No maintenance has been required at this PRS during FY2001	08/07/01
16-006(c)	Septic system	31.0	Earthen berm to divert run-on below site	Jan-90	No maintenance has been required at this PRS during FY2001	08/07/01

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
16-018	RCRA closure (MDA P)	14.0	Asphalt channels were constructed to divert run-on away from site. Straw bale check dams were placed below soil piles to keep sediment in place, plastic lined trenches will be installed below site to collect run-off, site will be revegetated.	Sep-96	Weekly inspections and maintenance ongoing as part of the RCRA Clean Closure Project	Weekly
16-019	Material disposal area (MDA R)	69.3	Debris removal, reseeding, mulching, riprap, straw wattles	Jun-00 thru Jul -00	8/10/01: Straw bales and wattles were positioned above and below an area of sloughing 6/8/01: The disturbed area at the east end of the slope was covered with straw mulch 5/18/01: Upper area of PRS (former soil stock pile area) was reseeded and mulched	08/10/01
16-020	Inactive NPDES outfall	83.0	Flood related accelerated action completed in drainage, straw wattles, reseeding and rock gabions installed	Nov 96 thru Sep 01	Accelerated cleanup action and channel stabilization have been completed in Sept 01	08/10/01
16-021 (c)	HE outfall	73.5	Jute stabilization of channel banks, collection pond, rock check dams in drainage	Sep 96 thru Sep 01	IM actives continue at this PRS	08/10/01

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
16-026(a2)	Potentially contaminated soil below outfall	61.3	Splash guard below outfall	Jan-90	6/14/01: The eroded channel along Bldg 16-370 was lined with jute matting, two rock gabions were positioned in the channel, several straw wattles were installed and the area was seeded and mulched	08/07/01
16-026(c2)	Outfall TA-16-462	15.8	Straw bale barrier	Oct-98	7/27/01: The silt fence was repaired and two straw wattles were replaced	08/07/01
16-026(h)	Soil below sump outfall	61.8	Sediment trap below outfall	Jan-90	Site stable, inspections closed out	NA
16-026(h2)	Outfall TA-16-360	29.1	Brush barrier, Mulching, seeding; permanent, straw bale barrier, straw wattles	Jan 90 thru Jun 00	No maintenance has been required at this PRS during FY2001	08/07/01
16-026(v)	Outfall	61.0	Straw bale barrier	Oct-98	7/27/01: Silt fence was repaired	08/07/01
16-028(a)	Inactive outfall	65.8	Installed straw bale check dams within drainage	Nov 97 thru Jun-00	No maintenance has been required at this PRS during FY2001	NA
16-028(b)	Ind or san waste water treatment TA-16-202	51.5	debris removal, Mulching, seeding; permanent	Jul-00	8/17/01: Several straw wattles were positioned within the lower channel	08/07/01
16-029(g)	Sump TA-16-450	83.0	Mulching, seeding; permanent, straw wattles	Jun-00	No maintenance has been required at this PRS during FY2001	08/07/01
16-030 (d, h)	HE outfall	32.8, 29.1	Jute stabilization of contaminated pond, straw bale check dams in drainage	Sep-96	16-030(h) No maintenance has been required at this PRS during FY2001	08/10/01

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
18-003(c)	Septic system	62.3	Jute mat laid to impede surface water run-off and for erosion control	Jun-98	5/16/01: Straw bales within jute area were replaced	09/10/01
21-003	PCB contamination	33.3	Asphalt run-on diversion berm	Apr-98	Site stable, inspections closed out	NA
21-011 (k)	Outfall	72.0	Run-on diversion (sandbags), straw mulch application on hillside slope, straw bale check dams installed at three areas perpendicular to slope, and straw wattles at the bottom of slope above DP Canyon drainage.	Oct-96	No maintenance has been required at this PRS during FY2001	09/05/01
21-011(c)	MDA T	54.0	An asphalt run-on diversion channel was installed with gabions used for flow dissipation. Straw wattles were placed on the downslope fenceline and the roadway drainage channel was lined with riprap and covered with geotextile.	FY96	No maintenance has been required at this PRS during FY2001	09/05/01
21-013(b)	Land disposal area	67.0	Run-on diversion above MDA V Asphalt on slope stabilizes erosion potential	Jan-90	No maintenance has been required at this PRS during FY2001 Site recommended for close out in FY2000	04/05/01
21-013(g)	Land disposal area	67.0	Run-on diversion above MDA V Asphalt on slope stabilizes erosion potential	Jan-90	Site stable, inspections closed out	NA

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
21-016 (a)	MDA T	54.0	An asphalt run-on diversion channel was installed with gabions used for flow dissipation. Straw wattles were placed on the downslope fenceline and the roadway drainage channel was lined with riprap and covered with geotextile.	FY96	No maintenance has been required at this PRS during FY2001	09/05/01
21-016(b)	MDA T	54.0	An asphalt run-on diversion channel was installed with gabions used for flow dissipation. Straw wattles were placed on the downslope fenceline and the roadway drainage channel was lined with riprap and covered with geotextile.	FY96	No maintenance has been required at this PRS during FY2001	09/05/01
21-016 (c)	MDA T	54.0	An asphalt run-on diversion channel was installed with gabions used for flow dissipation. Straw wattles were placed on the downslope fenceline and the roadway drainage channel was lined with riprap and covered with geotextile.	FY96	No maintenance has been required at this PRS during FY2001	09/05/01
21-018(a)	Former Laundry Discharges	18.1	Asphalt channel diverts southwest run-on around site	FY96	5/02/01: PRS was reseeded and mulched	09/05/01
21-018(b)	Former Laundry Discharges	15.8	Asphalt channel diverts southwest run-on around site	FY96	5/02/01: PRS was reseeded and mulched	09/05/01

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
21-024(b)	Septic system	15.8	Straw bale check dam installed downslope of excavation Plastic sheeting used to cover project upon completion Reseeding and jutemat used for final stabilization	Jul-95	Site stable, inspections closed out	NA
21-024(d)	Septic system	24.0	Straw bale check dam installed downslope of excavation Plastic sheeting used to cover project upon completion Reseeding and jutemat used for final stabilization	Jul-95	Site stable, inspections closed out	NA
21-024(e)	Septic system	56.0	Straw bale check dam installed downslope of excavation Plastic sheeting used to cover project upon completion Reseeding and jutemat used for final stabilization	Aug-95	Site stable, inspections closed out	NA
21-024(h)	Septic system	54.0	Straw bale check dam installed downslope of excavation Plastic sheeting used to cover project upon completion Reseeding and jutemat used for final stabilization	Jul-95	Site stable, inspections closed out	NA
21-024(i)	Septic system	53.7	Brush barrier installed downslope of excavation. Regrading, reseeded and straw mulch used for final stabilization	Nov-96	No maintenance has been required at this PRS during FY2001	09/05/01

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
21-029	Soil contamination area (DP Tank Farm)	56.6	Sandbag berms were installed upslope to divert run-on, straw bales were installed downslope to dissipate flows and filter sediment, and the excavated areas were reseeded	April 96 thru Sep 96	Site stable, inspections closed out	NA
22-014(b)	Outfall	56.0	Wattles , re-seed	Sep 95 thru Nov 95	No maintenance has been required at this PRS during FY2001 Site recommended for close out	08/30/01
22-015(c)	Outfall	51.5	Silt fence constructed below excavated area to capture sediment Clean gravel applied to minimize erosion, culverts installed to redirect flows, regrading and revegetation for final stabilization	Originally Nov 95, also in June 01 after fire	No maintenance has been required at this PRS during FY2001	08/30/01
33-004(j)	Outfall	85.0	Straw bale barrier	Feb-96	No maintenance has been required at this PRS during FY2001	08/15/01
33-006(a)	Firing site	56.0	Sandbag berms and straw bales in place as interim measure	Aug-96	No maintenance has been required at this PRS during FY2001	08/15/01
33-007(b)	Firing range	59.3	Sandbag berms and straw bales in place as interim measure	Aug-96	5/24/01: Area was reseeded and mulched, geotextile was reattached	08/15/01
33-008(c)	Landfill	56.0	Debris removal in drainage, geotextiles installed along disturbed banks and reseeded and mulch	Sept96 thru Aug 99	Site stable, inspections closed out	NA

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PRS	Site Description	Erosion Matrix Score	BMP Description	Original Date Installed	Inspection and Maintenance	Last Inspection Date
33-010(b)	Surface disposal	45.0	Straw barriers, reseeded	Nov-96	Site stable, inspections closed out	NA
33-010(c)	Surface disposal	60.5	Straw mulch and jute mat applied and straw bale check dams were installed in drainage to reduce contaminant migration	Feb-96	5/24/01: Area was reseeded and mulched, additional straw wattles and straw bales were installed	08/15/01
35-003(d)	WWTP	59.0	Backfilling, compacting and revegetation, straw bales, and berm installation for run-on control	Sep-96	No maintenance has been required at this PRS during FY2001	07/06/01