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U.S. Department of Energy
 Los Alamos Area Office, MS A316
 Environmental Restoration Program
 Los Alamos, New Mexico 87544
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Date: July 30, 1999
 Refer to: E/ER:99-204

Hswa LANL 6/m/5 '99

Mr. John Kieling
 NMED-HRMB
 P.O. Box 26110
 Santa Fe, NM 87502

SUBJECT: SEMI-ANNUAL TRANSMITTAL OF BMPs IMPLEMENTED AT PRSs AT LANL

Dear Mr. Kieling:

Enclosed is a list of all Best Management Practices (BMPs) installed, inspected and maintained at potential release sites at the Los Alamos National Laboratory during FY99. These BMPs have been implemented as a result of recommendations from the Surface Water Assessment Team or in support of source removal activities at the Laboratory.

As previously requested, this is a semi-annual update on the status of BMPs implemented since mid 1998. The Environmental Restoration Project Staff is committed to providing this information to you in order to update the Resource Conservation and Recovery Act Information System database.

If you have any questions or concerns, please contact feel free to call Dave McInroy at (505) 667-0819 or Joe Mose at (505) 667-5808.

Sincerely,

Julie A. Canepa, Program Manager
 LANL/ER

Sincerely,

Theodore J. Taylor, Program Manager
 DOE/LA0



TK

JC/TT/SV/ev

Enclosure: Semi-Annual Inspection Report

Cy (w/enc.):

M. Alexander, ESH-18, MS K497
M. Buksa, E/ET, MS M992
J. Canepa, E/ER, MS M992
B. Enz, LAAO, MS A316
J. Mose, LAAO, MS A316
W. Neff, E/ET, MS M992
S. Rae, ESH-18, MS K497
T. Taylor, LAAO, MS A316
S. Veenis, ESH-18, MS K497
J. Vozella, LAAO, MS A316
J. Bearzi, NMED-HRMB
J. Parker, NMED-OB
G. Saums, NMED-SWQB
S. Yanicak, NMED-AIP, MS J993
ER Catalog # 19990053
RPF, MS M707

Cy (w/o enc.):

T. Baca, E/DO, MS J591
T. George, E/ER, MS M992
M. Kirsch, E/ER, MS M992
D. McInroy, E/ER, MS M992
E/ER File, MS M992
Tracker RM 604, MS M992

SEMI-ANNUAL INSPECTION REPORT

Sites With Existing BMPs That Will be Inspected & Maintained by ER Project During FY99

#	PRS	Erosion Score	BMP Description	Date BMP Installed	Dates of 1999 Inspections	Inspection Findings	Date of Scheduled Maintenance
1	C-0-041	42.8	Rock Check Dams	Nov-98	3/4/99 4/15/99 5/6/99 5/29/99 6/28/99	Rock check dams in good condition. Additional tar removed in early in June-99, with a "final inspection" completed on 6/28/99 with NMED and Forest Service.	None required
2	1-001(d)	74.5	Earthen berm, jute matting, reseed/mulching	May-96	3/8/99 5/4/99	Earthen berm is 60-70% revegetated. Site appears stable with zero discharge of surface water from site.	None required
3	3-010(a)	69.0	Sandbags, jute matting, silt fence	Nov-94 thru Oct-98	3/5/99 4/25/99 5/29/99 6/22/99 7/15/99	Sandbags deteriorated and should be replaced with an equivalent control (3/25). Their condition had deteriorated but was effectively keeping run-on from site. Silt fence in good condition.	Sandbags were scheduled for replacement during 3 rd Quarter FY99. Permanent asphalt curb installed to replace sandbags (7/99).
4	3-056(c)	52.6	Jute matting, jute rolls, earthen diversion berm	Jul-95 thru Nov-97	3/8/99 4/25/99 5/29/99 6/21/99	Earthen diversion berm has been damaged and is ineffective (3/8/99). An equivalent control should be installed. Jute matting/rolls in good condition. Site is stable and in good condition.	Asphalt diversion berm was installed early June of 1999.
5	5-001(c)	80.0	Straw barriers, jute matting, silt fence	Dec-98	3/5/99 4/25/99	Site in good condition	None required
6	9-013	56.0	Straw barriers, silt fencing, water bars, riprap, reseed	Aug-96 thru Oct-98	2/19/99 5/14/99 5/29/99 6/21/99	Some straw barriers damaged, silt fences down in some areas, water bars are breached in several locations, vegetative cover +/- 50% (2/19). Silt fencing was enhanced at lower portion of site. Additional riprap was placed within existing "blow out" areas. Straw barriers were replaced at some locations.	Additional spot reseed has been rescheduled for completion in August of 1999.
7	11-006(a-d)	10.6 52.0 68.8 74.0	Concrete curbing on drop pad, straw barriers within drainage channels.	Nov-96 thru Oct-98	2/12/99 5/7/99 6/4/99	Site in good condition	None required
8	16-003(k)	38.6	Concrete curb, plastic cover over trench	Oct-98	2/12/99 5/7/99 6/4/99	Site in good condition	None required
9	16-003(n,o)	25.0 27.3	Straw barriers	Nov-96	2/12/99 5/7/99 6/4/99	Straw barriers are "blown out", should be replaced. Determination should be made to determine effectiveness of straw barriers for this site.	Field visit scheduled (late July) to determine if straw barriers remain appropriate for this drainage channel.
10	16-010(h,k-n)	8.8 14	Straw barriers	Oct-96	2/12/99 5/7/99 6/4/99	Site in good condition	None required
11	16-016(c)	72.0	Straw barriers, run-on diversion	Oct-98	2/12/99 5/7/99 6/4/99	Site in good condition	None required

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12	16-018	69.3	rock outlet protection, run-on diversion, straw bale barrier, earth berm, silt fence, vegetative buffer strip, asphalt/concrete cover, sediment trap, runoff collection trench	Sep-96 to present	Weekly inspections performed.	Site in good condition	None required
13	16-020	61.3	Straw barriers	Nov-96 thru Oct-98	2/12/99 5/7/99 6/4/99	Site in good condition	None required
14	16-021(c)	73.3	See 16-018	Sep-96 thru Oct-98	2/12/99 5/7/99 6/4/99	Site in good condition	None required
15	16-026(c2)	61.8	Straw barrier	Oct-98	2/12/99 5/7/99 6/4/99	Site in good condition	None required
16	16-026(h2)	61.0	Straw barrier	Oct-98	2/12/99 5/7/99 6/4/99	Site in good condition	None required
17	16-026(v)	65.8	Straw barrier	Oct-98	2/12/99 5/7/99 6/4/99	Site in good condition	None required
18	16-030(g)	71	Straw barriers and silt fencing	Oct-98	2/12/99 5/7/99 6/4/99	Site in good condition	None required
19	19-001	8.8	Straw barrier, reseeding, jute matting	Sep-97	3/2/99 4/5/99 5/29/99 6/21/99	Site has not revegetated well, with +/- 30% coverage (4/5). Site is slowly revegetating with +/- 50% coverage (6/21). Erosion potential is minimal.	None at this time
20	19-003	8.8	Straw barrier, reseeding, jute matting	Sep-97	3/2/99 4/5/99 5/29/99 6/21/99	Site has not revegetated well, with +/- 30% coverage (4/5). Site is slowly revegetating with +/- 50% coverage (6/21). Erosion potential is minimal.	None at this time
21	21-003	33.3	Run-on diversion, earthen berm for runoff	Nov-97	3/10/99 4/25/99 7/12/99	Site is in good condition	None required
22	21-011(k)	72.0	Run-on diversion, sandbags, silt fence, straw barriers, mulch	Oct-96	3/10/99 4/25/99 7/12/99	Most straw bales have deteriorated; sandbags have broken near east drainage, silt fence ineffective. Run-on diversion is in good condition. Appropriate mid-term sediment and erosion controls should be upgraded and the silt fence should be removed.	The improvements have been scheduled for completion in August of 1999.

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23	21-016(a-c)	54.0	Asphalt run-on diversion channel	Sep-96	3/10/99 4/25/99 7/12/99	Diversion channel has begun to deteriorate on west end near DP Road. Channel should be patched where needed.	The channel replacement has been scheduled for completion in August of 1999.
	21-011(c)	54.0	Asphalt run-on diversion channel	Sep-96	3/10/99 4/25/99 7/12/99	Diversion channel has begun to deteriorate on west end near DP Road. Channel should be patched where needed.	The channel replacement has been rescheduled for completion in August of 1999.
24	21-017(a-c)	8.8	Asphalt run-on diversion channel	Jan-90	3/10/99 4/25/99 7/12/99	Vegetation has been stripped within fenced area for characterization (3/10). Diversion channel is good condition but erosional scour beginning to occur at east end. Vegetation has taken and site appears stable (7/12).	Not at this time
25	21-024(i)	53.7	Sandbags for run-on diversion, reseeded/mulch, brush barrier, tank cover	Nov-96 thru Nov-98	3/10/99 4/25/99 7/12/99	Site in good shape, some mulch has blown away and should be monitored.	None required
26	21-029	67.0	Straw barriers, reseeded, jute matting	Apr-96	3/11/99 4/25/99	Site revegetated to >70%, straw barriers deteriorated but effective. Should close out site by end of FY99 pending AO concerns.	None required
27	32-002(a-b)	15.8	Straw barriers, reseeded, jutemat	Apr-96	3/2/99 4/25/99	Site revegetated to +/-40% and should be reseeded. Straw barriers deteriorated but effective. Could be used as mulch after reseeded.	Site reseeded June of 1999
28	33-006(a)	56.0	Straw barrier	Aug-96	1/28/99 5/4/99	Site in good condition	None required
29	33-007(b)	59.3	Straw barriers, sandbags	Aug-96	1/28/99 5/4/99	Sandbags decomposing but effective, straw barriers in good shape.	None at this time
30	33-008(c)	56	Silt fence, straw barrier	Nov-98	1/28/99 5/4/99	Site in good condition	None required
31	33-009	27	Straw barrier	Nov-96	1/28/99 5/4/99	Site in good condition	None required
32	33-010(c)	60.5	Straw barrier and jute matting	Feb-96	1/28/99 5/4/99	Site in good condition	None required
33	35-003(d,l,q)	59	Earthen berm, curlex, riprap	Sep-96 thru Dec-98	3/2/99 4/29/99 5/29/99	Site in good condition	None required
34	49-001(b)	34.6	Run-on diversion, silt fence, flow dissipation, straw barriers	Jun-98	1/26/99 4/14/99 5/24/99 7/12/99	Gophers and site runoff have begun to create a problem along the interface between the gopher barrier and the silt fence. The problem should be corrected ASAP (7/12)	Scheduled for August of 1999

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	49-001(c-d)	17.5	Run-on diversion, silt fence, flow dissipation, straw barriers	Jun-98	1/26/99 4/14/99 5/24/99 7/12/99	Gophers and site runoff have begun to create a problem along the interface between the gopher barrier and the silt fence. The problem should be corrected ASAP (7/12)	Scheduled for August of 1999
	49-001(g)	59.2	Run-on diversion, silt fence, flow dissipation, straw barriers	Jun-98	1/26/99 4/14/99 5/24/99 7/12/99	Site in good condition	None required
	49-003	36.8	Run-on diversion, silt fence, flow dissipation, straw barriers	Jun-98	1/26/99 4/14/99 5/24/99 7/12/99	Site in good condition	None required
35	73-001(a)	85.5	Run-on diversion, flow dissipation, pipe slope drain	Nov-98	3/2/99 4/29/99 7/15/99	Grate cover on area drain was bent by heavy equipment. Site in good condition otherwise.	None required. Grate replaced.
36	73-002	56.0	Run-on diversion berm, straw barrier, reseeding, jute matting	Apr-96	3/2/99 4/29/99 7/15/99	Soil is exposed due to regrading and should be covered with jute/curlex to prevent sediment migration. Site is otherwise in good condition.	Curlex installed June of 1999
	73-004(a)	10.6	Run-on diversion berm, straw barrier, reseeding, jute matting	Apr-96	3/2/99 4/29/99 7/15/99	Soil is exposed due to regrading and should be covered with jute/curlex to prevent sediment migration. Site is otherwise in good condition.	Curlex installed June of 1999
	73-006	56.0	Run-on diversion berm, straw barrier, reseeding, jute matting	Apr-96	3/2/99 4/29/99 7/15/99	Soil is exposed due to regrading and should be covered with jute/curlex to prevent sediment migration. Site is otherwise in good condition.	Curlex installed June of 1999