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1	Form	9/23/2004	LANL Surface Water Site Assessment, Site ID: 1163, PRS ID: 21-014 N/A N/A N/A		



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Los Alamos National Laboratory

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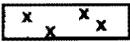
Surface Water Site Assessment

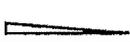
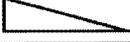
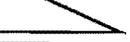
Site Information

Site ID: 1163	PRS ID: 21-014	Nearest Struct: 21-107
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Setting

Topography On Mesa Top: Yes On Bench in Canyon: No On Canyon Floor, Not Channel: No In Channel in Canyon Floor: No
Topography Explanation: MDA-A is about 1.25 acres in size which consists of 5 pits and 2 underground storage tanks.

Ground/Canopy Cover  Sparse (<25%): No  Medium (25-75%): No  Thick (>75%): Yes
Ground/Canopy Cover Explanation: Ground cover consists of forbs, native grasses, and sagebrush. Area has real thick vegetation.

Slope at Area Impacted  Flat (<10%): No  Gradual (10-30%): Yes  Steep (>30%): No
Slope Explanation: MDA-A itself is on a relatively flat area, but just north approx. 30 ft. slopes to about 30%.

Run-off

Is There Visible Evidence of Run-off Discharging from Site: No

Surface Water Site Assessment

PRS ID: 21-014

Run-off (Continued)

Is Run-off Channelized: No	Channel Type:
Channelization Explanation:	

Where Does Evidence of Runoff Terminate:
Terminus Explanation

Has Run-off Caused Visible Erosion: No	Erosion Type:
Erosion Explanation:	

Run-on

Structural Run On. Are Structures Creating Run-on to the Site: Yes
Structural Run-on Explanation: Asphalt roadway will cause run-on to site, but MDA-A is so well vegetated that it will not cause any erosion.

Surface Water Site Assessment

PRS ID: 21-014

Run-on (Continued)

Natural Run-on. Is Natural Drainage Creating Run-on to the Site: No
Natural Run-on Explanation:

Current Operations Run-on. Are Current Operations Creating Run-on to the Site: No
Current Operations Run-on Explanation:

Assessment Finding

Based on the Above Criteria and the Assessment of this Site, Does Soil Erosion Potential Exist: No

Sign Off

Site Not Found: No	Revision of Earlier Assessment: No
Name of Assessment Author: Jacinto Garduno	Assessment Date: 07/17/2001

Surface Water Site Assessment

PRS ID: 21-014

Additional Information

Trash and Debris Notes

Is there Visible Trash and Debris on the Site: No	Is there Visible Trash and Debris in a Watercourse: No
Trash and Debris Explanation:	

General Notes

Assessment Comments:

Best Management Practice Notes

Are Permanent BMPs in Place: No	Permanent BMPs in Place:
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Surface Water Site Assessment

PRS ID: 21-014

Erosion Matrix

Erosion/Sediment Transport Potential Scoring Criteria	Max Score Poss	Score Modifiers for Transport Potential			Resulting Score
		Low (max * 0.1)	Med (max * 0.5)	High (max * 1.0)	
Setting Group (Max Total 43)					
Topography - On Mesa Top:	1	For these four criteria, use the single highest score from the criteria that received a "Yes" answer.			1.0
Topography - On Bench in Canyon:	4				
Topography - On Canyon Floor, Not in Channel:	13				
Topography - In Channel in Canyon Floor:	17				
Ground/Canopy Cover (Percent):	13	>75%	25-75%	<25%	1.3
Slope at Area Impacted:	13	<10%	10-30%	>30%	6.5
Run-off Group (Max Total 46)					
Visible Evidence of Run-off:	5	"Yes" = 5. "No" = 0 here and for two scores below.			0.0
Where Run-off Terminates:	19	"Other"	"Bench"	"Drainage/Canyon"	0.0
Visible Erosion:		"No" = 0. If "Yes", score by Erosion Type.			0.0
Erosion Type:	22	"Sheet"	"Rill"	"Gully"	
Run-on Group (Max Total 11)					
Structural Run-on:	7	"No" = 0. "Yes" = 7.			7.0
Natural Run-on:	7	"No" = 0. "Yes" = 7.			0.0
Current Operations Run-on:	4	"No" = 0. "Yes" = 4.			0.0
Maximum Possible Total Score:	100	* Actual Total Score:			15.8

Revision of Earlier Assessment: No

* No permanent BMPs are in place. Score could be lower with them.