



Environmental Programs
P.O. Box 1663, MS J591
Los Alamos, New Mexico 87545
(505) 606-2337/FAX (505) 665-1812



National Nuclear Security Administration
Los Alamos Site Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
(505)667-4255/FAX (505) 667-5948

Date: September 7, 2007
Refer To: EP2007-0547

James P. Bearzi, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Revised Table 4-1 of the Work Plan for R-Well Rehabilitation and Replacement, Revision 2

Reference: Ltr, Bearzi to Messrs. Gregory and McInroy, dated August 20, 2007

Dear Mr. Bearzi:

In the referenced letter that issued an approval of the "Work Plan for R-Well Rehabilitation and Replacement, Revision 2" (LA-UR-07-5087/EP2007-0461), the New Mexico Environment Department requested an update to the schedule shown in Table 4-1 of that document. The updated table is attached.

If you have questions, please contact Ardyth Simmons at (505) 665-3935 (asimmons@lanl.gov) or Mat Johansen at (505) 665-5046 (mjohansen@doeal.gov).

Sincerely,

Susan G. Stiger, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,

David R. Gregory, Project Director
Environmental Operations
Los Alamos Site Office

SGS/DRG/AMS/:sm

Enclosures: Revised Table 4-1 of the Work Plan for R-Well Rehabilitation and Replacement,
Revision 2

Cy: (w/enc.)
Neil Weber, San Ildefonso Pueblo
Mat Johansen, DOE-LASO, MS A316
Ardyth Simmons, EP-LWSP, MS M992
Steve Pearson, ERSS-RS, MS K497
EP-LWSP File, MS M992
RPF, MS M707 (with two CDs)
Public Reading Room, MS M992

Cy: (Letter and CD only)
Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-OB, White Rock, NM
Peggy Reneau, EP-ERSS, MS M992

Cy: (w/o enc.)
Tom Skibitski, NMED-OB, Santa Fe, NM
Bonita Eichorst, DOE-LASO (date-stamped letter emailed)
Susan G. Stiger, ADEP, MS M992
Carolyn A. Mangeng, ADEP, MS M992
Alison M. Dorries, ERSS-DO, MS M992
Tina Behr-Andres, EP-LWSP, MS M992
Jean Dewart, EP-LWSP, MS M992
IRM-RMMSO, MS A150

Table 1
Well Conversion, Rehabilitation, and Replacement Actions

| Well No. | Screens to Retain | Screen to Abandon | Development Techniques | Proposed Sampling System | Document Stipulating Rehabilitation or Replacement | Document Describing the Activities | Proposed Schedule for Rehabilitation or Replacement | Proposed Schedule for Completion Report |
|--|-------------------|-------------------|--|--------------------------|---|---|---|---|
| Rehabilitation and Conversion Wells | | | | | | | | |
| R-12 | #1 and #2 | #3 | Jetting, isolation pumping (#1 only) | Baski | NMED letter to Messrs. Gregory and McInroy, dated April 27, 2007 (NMED 2007, 095832), and NMED Approval with Direction of Mortandad Canyon Groundwater Monitoring Well Network Evaluation (NMED 2007, 098120) | Well Rehabilitation Pilot Study Execution Plan (LANL 2006, 092737) and Pilot Well Rehabilitation Study Summary Report (LANL 2007, 095889) | 10/30/07 | 11/30/07 |
| R-14 | #1 | #2 | Surge/bail; jetting/pumping; isolation pumping/overpumping | Submersible pump | NMED Approval with Direction of Mortandad Canyon Groundwater Monitoring Well Network Evaluation (NMED 2007, 098120) | Work Plan for R-14 Rehabilitation (to be prepared) | 3/31/08 | 4/30/08 |
| R-16 | All | None | No further action | Westbay | n/a ^a | Well Rehabilitation Pilot Study Execution Plan (LANL 2006, 092737) and Pilot Well Rehabilitation Study Summary Report (LANL 2007, 095889) | Field work completed; data assessment ongoing | Field work completed; data assessment ongoing |
| R-20 | #1 and #2 | #3 | Surge/bail; jetting/pumping; isolation pumping/overpumping | Baski | NMED letter to Messrs. Gregory and McInroy, dated April 5, 2007 (NMED 2007, 095394) | Well Rehabilitation Pilot Study Execution Plan (LANL 2006, 092737) and Pilot Well Rehabilitation Study Summary Report (LANL 2007, 095889) | 12/07/07 | 1/07/08 |
| R-22 | #2 and #3 | #1, #4, and #5 | Surge/bail; jetting/pumping; isolation pumping/overpumping | Baski | NMED letter to Messrs. Gregory and McInroy, dated April 5, 2007 (NMED 2007, 095394) | Work Plan for R-22 Rehabilitation (to be prepared) | 1/31/08 | 2/29/08 |

Table 1 (continued)

| Well No. | Screens to Retain | Screen to Abandon | Development Techniques | Proposed Sampling System | Document Stipulating Rehabilitation or Replacement | Document Describing the Activities | Proposed Schedule for Rehabilitation or Replacement | Proposed Schedule for Completion Report |
|---------------------|------------------------|------------------------|--|---------------------------|--|--|---|---|
| R-25 ^{b,c} | #4 (?), #6, #7, and #8 | #1, #2, #3, #5, and #9 | No additional development | Westbay | NMED letter to Messrs. Gregory and McNroy, dated April 5, 2007 (NMED 2007, 095394), superseded by Evaluation of the Suitability of Wells Near Technical Area 16 for Monitoring Contaminant Releases from Consolidated Unit 16-021(c)-99 (LANL 2007, 095787), and Notice of Disapproval of the Evaluation of the Suitability of Wells Near Technical Area 16 for Monitoring Contaminant Releases from Consolidated Unit 16-021(c)-99 (NMED 2007, 097874) ^d | Drilling Work Plan for Intermediate Aquifer Well R-25b (LANL 2007, 098121) | See below ^b | See below ^b |
| R-32 | #1 | #2 and #3 | Surge/bail; jetting/pumping; isolation pumping/overpumping | Submersible pump | NMED letter to Messrs. Gregory and McNroy, dated April 5, 2007 (NMED 2007, 095394) | Work Plan for R-32 Rehabilitation (in preparation) | 9/30/07 | 10/31/07 |
| R-33 | #1 and #2 | n/a | Surge/bail; jetting/pumping; isolation pumping/overpumping | Baski (to replace Barcad) | NMED Approval with Direction of Mortandad Canyon Groundwater Monitoring Well Network Evaluation (NMED 2007, 098120) | Work Plan for R-33 Rehabilitation (to be prepared) | 2/28/08 | 3/28/08 |
| CdV-R-37-2 | #2, # 3, and # 4 | n/a | Surge/bail; jetting/pumping; isolation pumping/overpumping (only Screen # 2 will be rehabilitated) | Westbay | Evaluation of the Suitability of Wells Near Technical Area 16 for Monitoring Contaminant Releases from Consolidated Unit 16-021(c)-99 (LANL 2007, 095787), and Notice of Disapproval of the Evaluation of the Suitability of Wells Near Technical Area 16 for Monitoring Contaminant Releases from Consolidated Unit 16-021(c)-99 (NMED 2007, 097874) | Work Plan for CdV-R-37-2 Rehabilitation (to be submitted following approval of the Technical Area 16 well evaluation report) | 9/30/08 (contingent upon funding) | 10/31/08 |

Table 1 (continued)

| Well No. | Screens to Retain | Screen to Abandon | Development Techniques | Proposed Sampling System | Document Stipulating Rehabilitation or Replacement | Document Describing the Activities | Proposed Schedule for Rehabilitation or Replacement | Proposed Schedule for Completion Report |
|--------------------------|---------------------------------|-------------------|--|--|--|--|---|---|
| Replacement Wells | | | | | | | | |
| R-36 | Replaces R-12 Screen #3 | n/a | n/a--new single-screen well | Submersible pump | NMED letter to Messrs. Gregory and McInroy, dated August 23, 2007, Approval of Drilling Work Plan for Regional Aquifer Well R-36 (NMED 2007, 098123) | Drilling Work Plan for Regional Aquifer Well R-36 (LANL 2007, 098122) | 12/2/07 | 5/01/08 (Well completion reports are due 150 days after well completion.) |
| R-25b | Replaces R-25 Screens #1 and #3 | n/a | n/a--new well or two wells, not yet determined | Baski if dual-screen; submersible pumps if two single-screen wells | NMED letter to Messrs. Gregory and McInroy, dated April 5, 2007, superseded by Evaluation of the Suitability of Wells Near Technical Area 16 for Monitoring Contaminant Releases from Consolidated Unit 16-021(c)-99 (LANL 2007, 095787), and Notice of Disapproval of the Evaluation of the Suitability of Wells Near Technical Area 16 for Monitoring Contaminant Releases from Consolidated Unit 16-021(c)-99 (NMED 2007, 097874) | Drilling Work Plan for Intermediate Aquifer Well R-25b (LANL 2007, 098121) | 7/30/08 | 9/30/08 |
| CdV-16-3(i) | n/a | n/a | n/a | Submersible pump | Evaluation of the Suitability of Wells Near Technical Area 16 for Monitoring Contaminant Releases from Consolidated Unit 16-021(c)-99 (LANL 2007, 095787) and Notice of Disapproval of the Evaluation of the Suitability of Wells Near Technical Area 16 for Monitoring Contaminant Releases from Consolidated Unit 16-021(c)-99 (NMED 2007, 097874) | Work Plan for CdV-16-3(i) | Contingent upon fiscal year 2008 funding | Contingent upon fiscal year 2008 funding |

Note: This table is an update of and supplement to Table 3.4-1 in the Work Plan for R-Well Rehabilitation and Replacement, Revision 2 (LANL 2007, 098119).

^a n/a = Not applicable.

^b See also below under "Replacement Wells."

^c In this multiple-screen well, the screens to be abandoned will not be plugged but also will not be sampled.

^d This table will be updated to reflect actions in response to NMED's Notice of Disapproval of August 15, 2007, that requires a response by September 30, 2007.