

ASWA LABU 3/1082/14 16-021(c)



University of California
Environmental Restoration 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

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Date: May 23, 1997
Refer to: EM/ER:97-197



Mr. Benito Garcia
NMED-HRMB
P.O. Box 26110
Santa Fe, NM 87502

SUBJECT: MODIFICATIONS TO DRILLING PLAN FOR PRS 16-021(c)

Dear Mr. Garcia:

The Los Alamos National Laboratory's Environmental Restoration would like to formally notify you of the following modifications to the drilling plan for Potential Release Site (PRS) 16-021(c). The sampling and analysis plan (SAP) for this drilling is outlined in the "RFI Report for PRSs 16-003(k) and 16-021(c) in TA-16" that was submitted your Bureau on September 23, 1996. These modifications were orally communicated to your Bureau personnel in a meeting on April 15, 1997.

These modifications are needed because the results of drilling during Fall 1997 produced the following unexpected results: (1) high levels of high explosives (HE) in a surge bed located at a depth of 15.5-17 ft; (2) low levels of HE in surge beds at a depth of 64-69.5 ft; and (3) geophysical anomalies collocated with the zone in which the contaminated boreholes were located. The Laboratory believes that the following SAP modifications are needed to take advantage of this new information.

- The next three boreholes drilled at PRS 16-021(c) will be to a depth of at least 70 ft. This depth is greater than that outlined in the SAP. Such a depth is needed to understand the nature and extent of contamination in the deep surge beds.
- The next borehole that intersects a contaminated surge bed at a depth of 60-70 ft will be drilled to at least 85 ft. Three clean 5 ft intervals beneath the contaminated 60-70 ft-depth surge bed will be analyzed. These data are beyond what is outlined in the SAP. These additional samples are needed to understand the nature and extent of contamination in the vertical direction.

JK



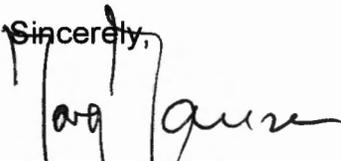
- The locations of the next 3 boreholes will be different than the locations shown on Figure 5.2.11.2.1-1 of the SAP. New proposed locations are shown schematically on the enclosed figure. Final locations will depend on accessibility of individual locations to the drill rig and could be influenced by any new information learned from additional boreholes. These locations are designed to test the hypothesis that the geophysical anomalies indicate the locations of contaminated surge beds at depth.

These modifications will be fully described in the Resource Conservation and Recovery Act Facility Investigation Report for these sites.

We would like to provide an oral update of new information from these three boreholes to your Bureau after the data have been analyzed.

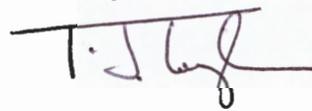
Thank you for your feedback on this cleanup activity. If you have any further questions or comments, please contact Roy Michelotti at (505) 665-7444 or Joe Mose at (505) 667-5808.

Sincerely,



Jorg Jansen, Program Manager
LANL/ER Project

Sincerely,



Theodore J. Taylor, Program Manager
DOE/LAAO

JJ/TT/rfr

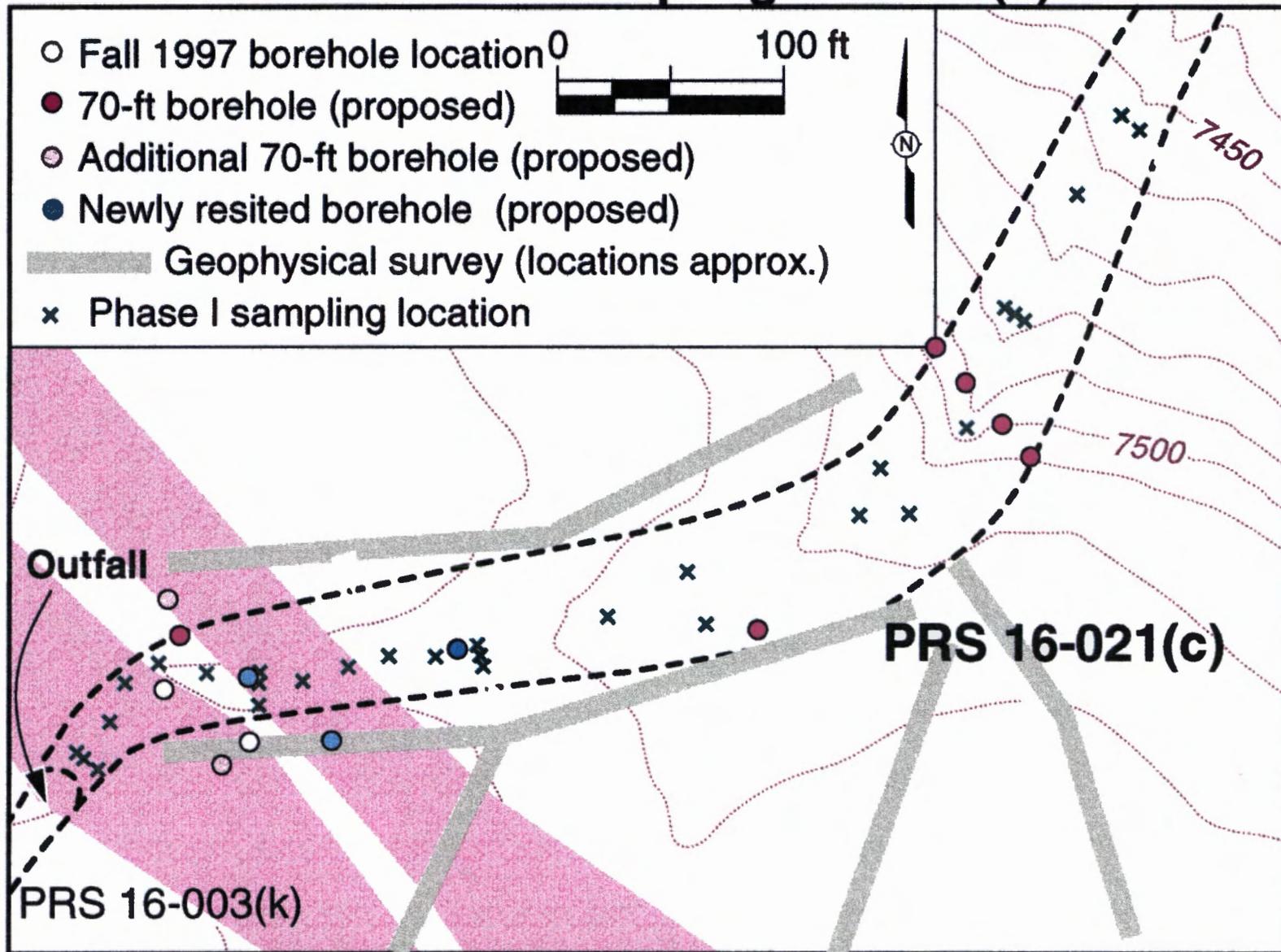
Enclosure: (1) Figure 5.2.11.2.1-1

Cy (w/enc.):

T. Baca, EM, MS J591
D. Griswold, AL-ERD, MS A906
T. Glatzmaier, DDEES/ER, MS M992
P. Gram, ICF-Kaiser, MS M892
J. Harry, EES-5, MS M992
M. Johansen, LAAO, MS A316
L. Kidman, ICF-Kaiser, MS M892
D. McInroy, EM/ER, MS M992
R. Michelotti, CST-18, MS E525
J. Mose, LAAO, MS A316
N. Naraine, DOE-HQ, EM-453
D. Neleigh, EPA, R.6, 6PD-N

G. Rael, AL-ERD, MS A906
W. Spurgeon, DOE-HQ, EM-453
T. Taylor, LAAO, MS A316
J. White, ESH-19, MS K490
K. Zamora, LAAO, MS A316
EM/ER File, MS M992
RPF, MS M707
S. Dinwiddie, NMED-HRMB
M. Leavitt, NMED-GWQB
J. Parker, NMED-HRMB
G. Saums, NMED-SWQB
S. Yanicak, NMED-AIP, MS J993

RFI Phase II Sampling—16-021(c)



Geophysical anomalies - locations approximate