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NAS SOUTH WEYMOUTH
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SYNOPTIC WATER LEVEL ROUND REMEDIAL INVESTIGATION ADDENDUM FOR BUILDING 82 WITH TRANSMITTAL NAS SOUTH WEYMOUTH MA

4/14/2011

TETRA TECH

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C-NAVY-04-11-4291W

April 14, 2011

Project Number G02073

Mr. Brian Helland, RPM
BRAC PMO, Northeast
4911 South Broad Street
Philadelphia, Pennsylvania 19112

Reference: CLEAN Contract No. N62470-08-D-1001
Contract Task Order (CTO) No. WE11

Subject: Synoptic Water Level Round – Building 82 Remedial Investigation Addendum
Naval Air Station South Weymouth, Weymouth, Massachusetts

Dear Mr. Helland:

Enclosed is a revised list of wells and a well location figure for the Building 82 RI Addendum synoptic water level round. The recommended list of wells for the synoptic water level round was attached to the December 22, 2010 responses to comments on the draft Remedial Investigation Addendum for Building 82. At the April 5, 2011 Base Cleanup Team meeting, the U.S. Environmental Protection Agency (EPA) selected additional wells to be included in the water level round. The additional wells have been added to the well list and are shown on the attached figure.

The synoptic water level round will be conducted on April 21, 2011. The results will then be used to create water level contour maps which will be included in the final Remedial Investigation Addendum.

On behalf of the Navy, the Building 82 synoptic water level round list of wells and well location figure are being provided to the recipients listed below. If you have any questions regarding the information, please contact me at (978) 474-8403.

Very truly yours,

Phoebe A. Call

Phoebe A. Call
Project Manager

PAC/lh

Enclosures

c: D. Barney, Navy (w/encl. – 1)
C. Keating, EPA (w/encl. – 3)
D. Chaffin, MassDEP (w/encl. – 1)
Chief Executive Officer, South Shore Tri-town Development Corp. (w/encl. – 1)
J. Lambert, TtNUS (w/encl. – 1)
J. Traut, TtNUS (w/encl. – 1)
G. Wagner, TtNUS (w/encl. – 1)
J. Trepanowski, TtNUS (w/o encl.)
G. Glenn, TtNUS (w/o encl.)
File G02073-3.2 (w/o encl.);
G02073-8.0 (w/encl. - 1 each)

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BUILDING 82
SYNOPTIC WATER LEVEL ROUND RECOMMENDATIONS
REVISED APRIL 2011

Well ID	Last Sample Date	Screen Top Depth	Screen Bottom Depth	Well Depth	Well Diameter	Notes
SHALLOW OVERBURDEN WELLS						
9AB-MW-01	2009-10	4	14	14	2	
9AB-MW-02	2009-10	3.7	13.7	13.7	2	
9AB-MW-03	2009-10	4.2	14.2	14.2	2	
9AB-MW-04	2009-10	2.3	10.3	10.3	2	
9AB-MW-05	2009-10	4.3	14.3	14.3	2	
AVG-MW-06	2000-02					added at request of EPA
MW06-003	1999-01					added at request of EPA
MW06-013	1999-01					added at request of EPA
MW06-018	1999-01					added at request of EPA
MW06-019	1999-01					added at request of EPA
MW06-301	2002-11	5	15	15	2	
MW06-302	2002-11					added at request of EPA
MW06-303	2002-11					added at request of EPA
MW06-304	2002-11	3	13	13	2	
MW07-003	2009-10	3	13	13	2	
MW07-006	1998-12	1.5	11.5		2	added at request of EPA
MW08-015	2006-10	3	13		2	
MW08-016	2006-10	3	13		2	
MW09-010	1999-01	2	12	12	2	added at request of EPA
MW09-011	1999-01	3	13	13	2	
MW09-012	1999-12	2	12		2	PVC heaved
B8-MW-07	1998-05				2	
B8-MW-10	1999-07	3	12.83	13	2	
B81-MW-08S	2009-11	4	13		2	added at request of EPA
B81-MW-10S	2006-09	4.45	13.45		2	added at request of EPA
B81-MW-12S	2006-09	3	12		2	added at request of EPA
B81-MW-21S	2009-11	4.7	14.7	14.7	2	
B81-MW-30S	2006-09	5	14		2	added at request of EPA
B81-MW-38S	2006-10	3	8		2	added at request of EPA
B81-MW-39S	2006-10	3	9		2	
B81-MW-40S	2006-10	3	9		2	
B81-MW-42S	2009-11	4	9		2	
B81-MW-43S	2009-11	3.5	8.5		2	added at request of EPA
B81-MW-45S	2009-12	3	13		2	added at request of EPA
B81-MW-46S	2009-11	4	14		2	
B82-MW-02	2006-11	5	14.6	15	2	
B82-MW-07S	2006-10	7	17		2	added at request of EPA
B82-MW-09S	2006-10	2	12	12	2	
B82-MW-10S	2006-10	6	16		2	
B82-MW-200S	2006-10	4	14		2	added at request of EPA
B82-MW-201S	2006-10	4	14		2	
B82-MW-202S	2006-10	7	17		2	
B82-MW-203S	2006-10	4	14		2	
B82-MW-204S	2006-11	4	14		2	
B82-PZ-01	N/A	4	14			added at request of EPA
B82-PZ-102	N/A					added at request of EPA
B82-PZ-103	N/A					added at request of EPA
PZ09-02	N/A					added at request of EPA
PZ09-03	N/A					added at request of EPA

BUILDING 82
SYNOPTIC WATER LEVEL ROUND RECOMMENDATIONS
REVISED APRIL 2011

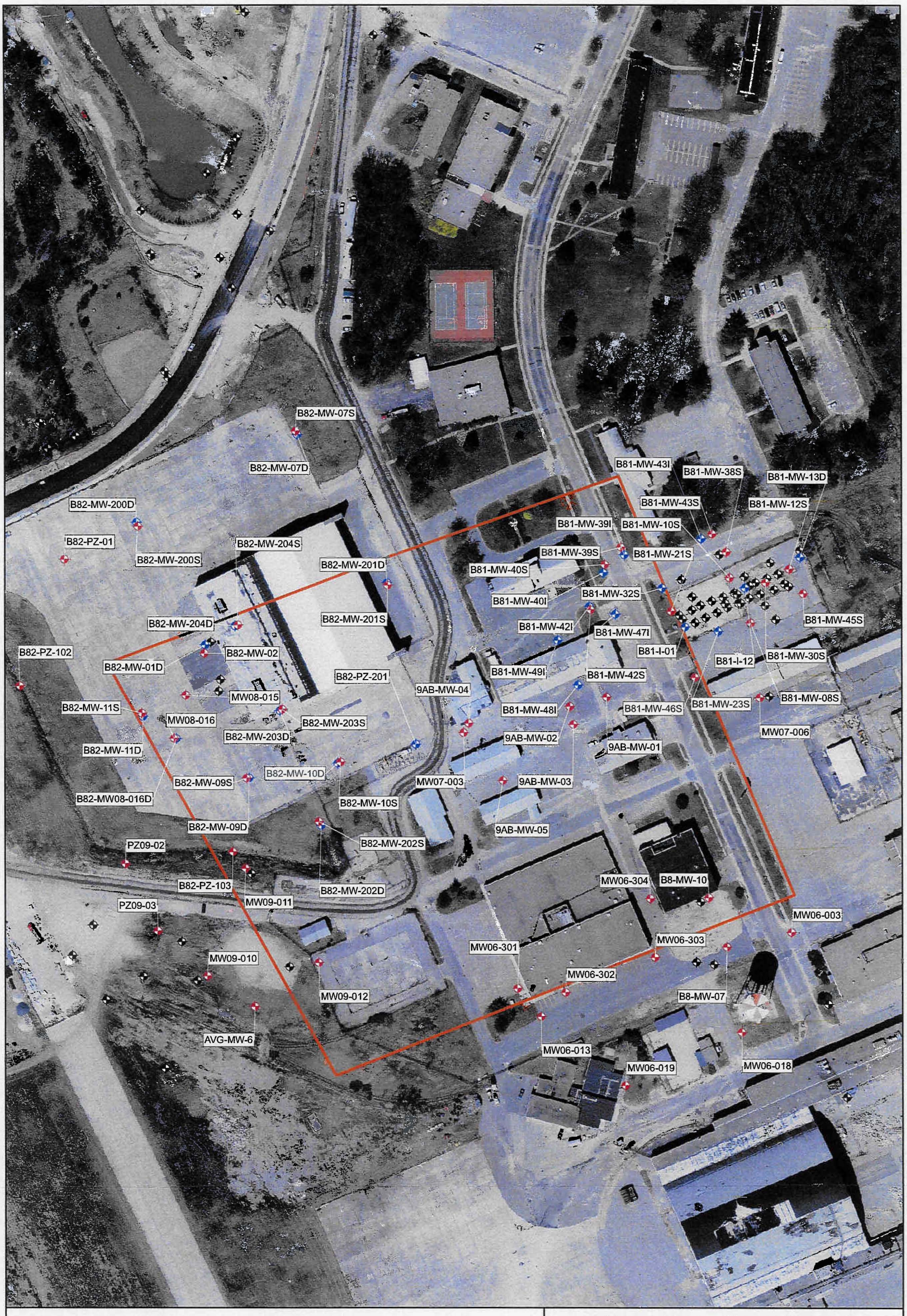
Well ID	Last Sample Date	Screen Top Depth	Screen Bottom Depth	Well Depth	Well Diameter	Notes
DEEP OVERBURDEN WELLS						
B82-PZ-201	2009-04	20	25	25	2	
B81-I-01	2006-09	16	19		1	
B81-I-12	2006-09	14.5	17.5		1	added at request of EPA
B81-MW-13D	2006-10	15.4	17.4		2	added at request of EPA
B81-MW-23S	2009-11	9	14		2	
B81-MW-31S	2006-10	8	18		2	
B81-MW-32S	2009-11	9	19		2	
B81-MW-39I	2009-11	11	16		2	
B81-MW-40I	2006-10	12.5	17.5		2	
B81-MW-42I	2009-11	11	16		2	
B81-MW-43I	2009-11	10.5	15.5		2	added at request of EPA
B81-MW-47I	2009-11	6	16		2	
B81-MW-48I	2009-11	9.5	19.5		2	
B81-MW-49I	2009-11	8.5	18.5		2	
B82-MW-01D	2006-11	26	36	38	2	
B82-MW-07D	2009-10	21.5	31.5		2	
B82-MW-09D	2006-10	36	46	53	2	
B82-MW-10D	2006-10	32	42	43	2	
B82-MW-11D	2009-10	26	36		2	
B82-MW-200D	2006-10	24	34		2	added at request of EPA
B82-MW-201D	2006-10	20	25		2	
B82-MW-202D	2006-10	26	36		2	
B82-MW-203D	2006-11	28	38		2	
B82-MW-204D	2009-10	28	41		2	
MW08-016D	2009-10	22	32		2	

Note: the following wells were not included for the following reasons:

Close to another well (well in better condition selected):
AVG-MW-02, B8-MW-11, PZ09-04, MW07-301

Buried: AVG-MW-01, AVG-MW-03, B82-MW-01, B82-MW-03, B82-MW-03D

Other: B82-MW-11S not screened across water table - not selected
B81-MW-13S requires post-restoration survey; B81-MW-12S chosen instead



Water table overburden well included

Deep overburden well included

Overburden wells not included in measurement round.
See Table 1 for explanation.

Initial well search boundary

0 100 200 300 400 500 Feet

FIGURE 1
OVERBURDEN SYNOPTIC WELL LOCATIONS
BUILDING 82
NAS SOUTH WEYMOUTH
WEYMOUTH, MASSACHUSETTS

Date: 4/13/2011 Author: GJG
File Name: I:\02073\FI.MS.B82\
b82synoptic20110413NoDetail.mxd

TETRA TECH NUS, INC.