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LETTER REGARDING REGULATORY CONDITIONAL APPROVAL ON FINAL WORK PLAN
FOR TREATABILITY STUDY AT OPERABLE UNIT 3 (OU 3) NTC ORLANDO FL
4/1/2002
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Mrs. Barbara Nwokike
Treatability Study Work Plans
Operable Unit 3, Study Areas 8 and 9
April 1, 2002
Page 2

Steve McCoy, TetraTech NUS, Oak Ridge, TN
Steve Tsangaris, CH2M Hill, Tampa
Mark Salvetti, Harding ESE, Wakefield, MA

TJB



JJC



ESN



Florida Department of
Environmental Protection

Memorandum

TO: David Grabka, P.G., Remedial Project Manager,
Technical Review Section

THROUGH: Tim Bahr, P.G., Supervisor, Technical Review Section 

FROM: Greg Brown, P.E., Professional Engineer II, 
Technical Review Section

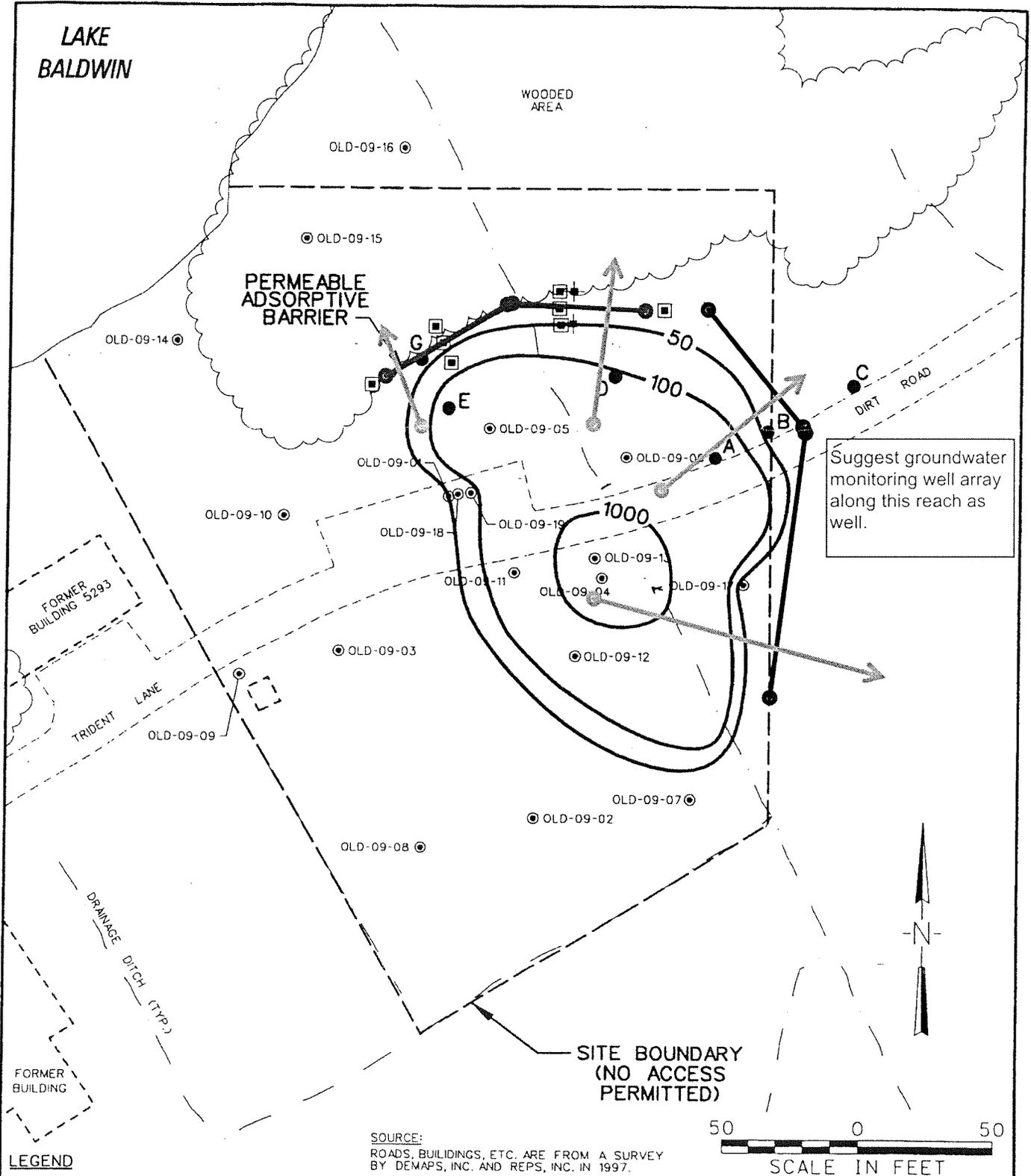
DATE: March 29, 2002

SUBJECT: Draft Work Plans For Treatability Studies At
Operable Unit 3, Study Areas 8 and 9, Naval Training
Center, Orlando, Florida.

I reviewed the subject work plans for Study Area 9, dated March 12, 2002 (received March 14, 2002), and for Study Area 8, dated March 26, 2002 (received March 27, 2002). The subject documents are adequate for their intent. I have minor comments for consideration during work plan implementation. Since the scopes of work for Study Areas 8 and 9 are similar, these comments apply to both unless noted.

1. Additional monitoring wells should be installed east of the arsenic plume at Study Area 9 (see attached figure.)
2. The design of the backfill was based on standard engineering specifications. Please provide calculations to support the specifications in the final pilot study report.
3. A one-pass trenching machine or a trackhoe with trench stability provided by using a biopolymer slurry will be used to construct the trench. Good construction techniques are particularly critical for the success of this type of remediation technology. Smearing or compacting the trench face and changing the effective permeability of the trench or surrounding soil could reduce effectiveness.
4. Obtaining representative groundwater samples for inorganic compounds from microwells is not always possible. The Team should have contingencies if microwells are not effective.

Call me at (850) 488-3935 if you have any questions.



LEGEND

PROPOSED MICROWELL (SCREENED 7-12 ft bls)

PROPOSED MICROWELL (SCREENED 26-28 ft bls)

MONITORING WELL

DPT POINT

ARSENIC CONTOUR¹

1—CONCENTRATION IN MICROGRAMS PER LITER (ug/L)

NOTE:
DPT LOCATIONS ARE APPROXIMATE.

SOURCE:
ROADS, BUILDINGS, ETC. ARE FROM A SURVEY BY DEMAPS, INC. AND REPS, INC. IN 1997.

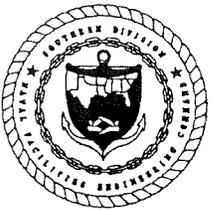


FIGURE 3-2
TREATABILITY STUDY LAYOUT

OPERABLE UNIT 3 - STUDY AREA 9
NAVAL TRAINING CENTER
ORLANDO, FLORIDA