

### CONTACT REPORT

Job No.:	Date of Contact:	Type of Contact:	Phone Call	<u>X</u>	
22214-0123	06/25/97		Bechtel Off	—	
			Client Office	—	
			Jobsite	—	
			Other	—	
Company:		Contact Name & Title:	Bechtel Name & Title:		
Southwest Division - Naval Facilities Engineering Command (SWDIV)		Kim Ostrowski - RPM (619) 532-2004, Ext. 15	Edward Morelan - CTOL (562) 807-2213		
		Hugh Marley - LARWQCB			
Purpose of Contact:					
<p>Kim Ostrowski and I contacted Hugh Marley to discuss specific issues regarding the installation of the groundwater monitoring wells within the lower coarse-grained water-bearing zone in the vicinity of IRP Site 9 on the Long Beach Naval Shipyard. The issues discussed included the addition of water during monitoring-well construction to counteract heaving sands; and soil sampling at 10-foot intervals during the construction of the monitoring wells within the lower interval.</p>					
Results:					
<p>Hugh agreed that water could be added to the borehole during monitoring-well construction, as long as the water was potable (e.g., not reclaimed water). I said that the added water would be potable. I also mentioned that a source-water blank sample would be collected for the added water. Regarding the sampling of soils every 10 feet during well construction: I said that at each location where a deep monitoring well is to be installed, a continuous-core soil boring and/or a CPT location would be in the immediate vicinity of the well location. Hugh commented that this procedure would be acceptable, as long as major changes in lithology at each well location would be sampled as part of this strategy.</p>					
Future Action to be Taken: Proceed with the installation of monitoring wells within the lower interval, and counteract, as needed and described above, the effects of heaving sands. Sample lithologies within the monitoring-well boreholes every 10 feet, and at major changes in lithology based on nearby CPT and/or continuous-core sampling information.					
Prepared By: E. A. Morelan		Location: Norwalk	Date: 06/25/97		
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BECHTEL NATIONAL INC.

CLEAN II TRANSMITTAL/DELIVERABLE RECEIPT

Contract No. N-68711-92-D-4670

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File Code: 02184/0405

TO: Commanding Officer
Naval Facilities Engineering Command
Southwest Division
Mr. Richard Selby, Code 56CS.RS
Building 128
1220 Pacific Highway
San Diego, CA. 92132-5187

DATE: 27 June 1997
CTO #: 123
LOCATION: Long Beach Naval Shipyard

FROM: [Signature] Program / Project Manager Operations Manager

DESCRIPTION: Contact Report dated 25, June 1997 - Discussion of Well-Installation
Procedures for Wells Installed as Part of the Groundwater Investigation
for Long Beach Naval Shipyard, IRP Site 9. Discussion held with LARWQCB.

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