

3/9/06 - 00614

Henderson, Kimberly/VBO

From: Sullivan, Agnes K CIV NAVFAC MidLant [agnes.sullivan@navy.mil]
Sent: Thursday, March 09, 2006 2:02 PM
To: Henderson, Kimberly/VBO
Subject: Expanded RI Work Plan Addendum for Deep Groundwater at Site 2

Page 2, paragraph starting "Slug tests.... there looks like there's a missing parenthesis or maybe one too many.

Here are some comments to consider that Jay Newbaker had...

- Well Yield Testing (p. 4) - This section indicates that well yield testing will be conducted at the max flow rate at MW-10D. Instead of pumping this well at a single hi rate, a step-drawdown test should be considered. In a step-drawdown test, the well is pumped at several successively higher pumping rates to determine the optimum pumping rate for the aquifer pumping test to follow. The step-drawdown test results can also be used to ensure that turbulent flow isn't occurring at the selected aquifer test pumping rate.
- Aquifer Pumping Test (p. 4) - Although this may already be included the St. Juliens Creek Master Plan SOPs , the aquifer test should include measuring barometric pressure and ambient water levels in selected wells for at least 3 days prior to the start of the pumping test. This will determine what if any effect natural conditions such as rainfall, tidal influences, & barometric pressure are having on groundwater levels.
- Data Evaluation and Reporting (p. 7) - This section should indicate what methods will be used to evaluate the data such as Jacob, Theis, Hantush, etc and if a computer program such as Aqtesolv will be used to help interpret the results.

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