From: Daly, Keith
To: document.control;
cc: Peppers, Nicki;
Subject: FW: CRC Crossing Test Pile Project
Date: Monday, February 14, 2011 4:32:14 PM

Please file this email under contract 8078, office IDR, confined bubble curtain, reference to serial letter 16

Thanks,

Keith Daly
Budget Manager

Columbia River Crossing Project | mailto:dalyk@columbiarivercrossing.org
700 Washington St. Suite 300, Vancouver, WA 98660
office: 360.816.8870 | Office: 503.256.2726 Ext. 8870
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From: Peterson, Laura
Sent: Monday, February 14, 2011 10:19 AM
To: Deml, Matt; Green, Frank; Daly, Keith; Turton, Rob; Morrow, Steve; 'Rainsberry, Sharon'; 'NelsoTo@wsdot.wa.gov'; Teran, Daniel
Cc: Degenhart, Mark; 'Schufreider, James'
Subject: RE: CRC Crossing Test Pile Project

James is out sick today, but we were able to connect by phone. I just wanted to recap our conversation and the direction we are taking with the confined bubble curtain.

To alleviate the fountain effect we are experiencing with the confined bubble curtain we could:

1) Turn off the top bubble ring, and maintain the 490 CFM, or
2) With all the bubble rings operating, lower the air to 320 or 220 CFM, until the fountain effect is eliminated. The lower volumes were used in testing before the last set of Fish and Wildlife regulations were released.

We are giving the contractor the direction to use #1 above, and if that is not effective, to use #2 above.

For the last two piles at the "A" location (24" and 48"), the contractor will need to use the confined bubble curtain, and impact drive the whole depth (except for the initial seating by the vibratory method).

James also mentioned that the 620 to 680 CFM that was being reached on the unconfined bubble curtain was acceptable.

From: Degenhart, Mark
Sent: Friday, February 11, 2011 6:35 PM
To: Deml, Matt; 'Schufreider, James'
Cc: Green, Frank; Daly, Keith; 'Turton, Rob'; Peterson, Laura
Subject: RE: CRC Crossing Test Pile Project

Lames and Matt,
The contractor placed the unconfined bubble curtain over a 24" diameter pile. They have added a forth (4th) compressor and are still having volume (CFM) problems. Two of the rings have reached the 700 CFM as required in the specials. The other three rings range from 620 CFM to 680 CFM. Do you have any suggestions to assist with this situation? If you have any questions please call, thank you.

From: Deml, Matt
Sent: Friday, February 11, 2011 3:18 PM
To: 'Schufreider, James'
Cc: Green, Frank; Degenhart, Mark; Daly, Keith; 'Turton, Rob'; Rainsberry, Sharon
Subject: CRC Crossing Test Pile Project
Importance: High

James,

This afternoon the contractor placed the confined bubble curtain over a 24" diameter pile. When turned on and brought up to the correct flow volume (490 CFM), water was being pumped out of the HDPE pipe like a fountain. Water depth at the site is approximately 30 feet. What can be done to eliminate this problem?

Please advise as soon as possible as the contractor is awaiting direction. Call if you have any questions.

Thanks,

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