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**DEPARTMENT OF THE NAVY**  
NAVAL FACILITIES ENGINEERING COMMAND, ATLANTIC  
6506 HAMPTON BLVD  
NORFOLK, VA 23508-1278

IN REPLY REFER TO:  
5090  
EV31KRC  
June 16, 2009

Mr. Nelson Velázquez  
Director División de Franquicias de Agua  
P.O. Box 9066600  
San Juan, PR 00906-6600

SUBJECT: WELL ABANDONMENT AT WEST VIEQUES SITES SWMUs 6 AND 7, AND  
EAST VIEQUES SITES SWMU 1 AND PAOC L, VIEQUES, PUERTO RICO

Dear Mr. Velázquez:

This letter serves as notification and documentation for abandonment of Navy-owned monitoring wells on the island of Vieques (Figure 1).

Solid Waste Management Unit (SWMU 6, shown in Figure 1) is a site on former Navy property (former Naval Ammunition Support Detachment [NASD], as shown in Figure 2). Currently the property is owned by the U.S. Department of the Interior (DOI) and managed by the U.S. Fish and Wildlife Service (FWS). SWMU 6 was part of investigation and remediation under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). As part of the cleanup process, six of the eight monitoring wells associated with the site were abandoned: NDW06MW01, NDW06MW02, NDW06MW03, NDW06MW04, NDW06MW05, and NDW06MW06, as shown in Figure 1. Because the wells were shallow and constructed in soft sediments, all monitoring well casings, screens, concrete pads, and steel protective casings and bollards were removed from the ground. NDW06MW05 was removed in March, 2009. The remainder of the monitoring wells were removed May 7-8, 2009.

SWMU 7 is another site on the former NASD (Figure 3). Currently, the property is owned by the Municipality of Vieques (MOV). Like SWMU 6, SWMU 7 was part of investigation and remediation under CERCLA. As part of the cleanup process, the following nine monitoring wells were abandoned between March 2 and 3, 2009: NDW07MW01, NDW07MW02R, NDW07MW03R, NDW07MW04, NDW07MW05, NDW07MW06, NDW07MW06A, NDW07MW07, and NDW07MW08, as shown in Figure 3. Abandonment of each well proceeded in approximately the following manner:

- The well casing was filled from the bottom up with a cement-bentonite grout mixed at an approximate ratio of 95 lbs of cement to 7 gallons of water with 5 percent by weight powdered bentonite

- Following grouting, the well pad was jack hammered and the concrete and protective steel posts and casing were removed.

- The well was then cut off at least 2 feet below ground surface.

- The top 2 feet were then backfilled with surrounding soil.

SWMU 1 (shown in Figure 4) is a site on the former Vieques Naval Training Range (VNTR, as shown in Figure 2). Currently the property is owned by DOI and managed by FWS. Monitoring well CGW1MW05 was damaged during drainage improvement activities and was therefore abandoned on March 19, 2009 in general accordance with the procedures listed above for SWMU 7.

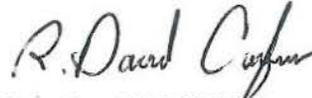
PAOC L (shown in Figure 5) is a site on the former VNTR. Currently the property is owned by DOI and managed by FWS. PAOC L is part of an investigation under CERCLA. During the investigation, monitoring well EPAL-MW01 was abandoned on June 4, 2009 in general accordance with the procedures listed above for SWMU 7.

The coordinates of the abandoned wells at SWMU 6, SWMU 7, SWMU 1 and PAOC L are summarized below:

<b>Well Identification</b>	<b>Northing (UTM NAD 83)</b>	<b>Easting (UTM NAD 83)</b>
<b>SWMU 6</b>		
NDW06MW01	2005050.81	228957.35
NDW06MW02	2005094.76	228918.99
NDW06MW03	2005107.83	228942.68
NDW06MW04	2005103.42	228972.70
NDW06MW05	2005084.81	228926.99
NDW06MW06	2005087.16	228999.67
<b>SWMU 7</b>		
NDW07MW01	2005252.41	231516.02
NDW07MW02R	2005075.57	231600.79
NDW07MW03R	2005254.06	231450.65
NDW07MW04	2005111.14	231568.04
NDW07MW05	2005185.09	231494.20
NDW07MW06	2005324.00	231462.39
NDW07MW06A	2005318.77	231457.73
NDW07MW07	2005304.36	231370.20
NDW07MW08	2004987.45	231689.10
<b>SWMU 1</b>		
CGW1MW05	2004982.42	246621.60
<b>PAOC L</b>		
EPALMW01	2005262.61	244349.95

If you have any questions about the well abandonment, please call Mr. Kevin Cloe, Remedial Project Manager at 757-322-4736.

Sincerely,



R. D. CURFMAN  
Environmental Business Line Manager  
By direction of the Commander

Copy to:

CH2M HILL (Mr. Brett Doerr)  
Environmental Protection Agency, Caribbean Div (D. Rodriguez)  
Puerto Rico EV Quality Board (Wilmarie Rivera)  
US Fish and Wildlife Service, Edison NJ (Richard Henry)

Blind copy to:  
EV31 (C. Penny, K. Cloe)