

# HALLIBURTON

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MAY 20 2010

DNMS

May 19, 2010

U.S. Nuclear Regulatory Commission - Region IV  
Texas Health Resources Tower  
612 E. Lamar Blvd., Suite 400  
Arlington, TX 76011-4125



Attn: Division Director - DNMS

**Re: Notification of Lost of Generally Licensed Devices**

This letter comprises the required 30-day written notification of two generally licensed devices which were lost during the sinking of Transocean's Deepwater Horizon on April 22, 2010. This is a follow-up to the telephone conversation between Steve Woods (Halliburton) and Mr. Charles Cain (NRC Region IV) on April 21, 2010.

Incident details:

Explosion and fire on April 20, 2010.

Second explosion on April 22 causing the Deepwater Horizon to settle below the surface.

Location:

Mississippi Canyon Block 252, Latitude (approximate): **28° 44.20' North**

Longitude (approximate): **88° 23.23' West**, water depth 4992 feet

Densometer number 1

Source Serial Number – DA-071, IPL model A3906, Activity 11.3 mCi on 1 Nov 1996 – current activity 8.3 mCi, Isotope Cs-137, 10SD device - Serial Number – V32-785

Densometer number 2

Source Serial Number – XA-923, Gamatron model GT-GHP, Activity 10.6 mCi on 6 Jan 1999 – current activity 8.2 mCi, Isotope Cs-137, 10SD device - Serial Number - W25-980

These devices were mounted onto an Advantage cementing skid.

Due to the depth of the water, salvage efforts are not expected. If however the rig is salvaged, a follow up report will be submitted.

Sincerely

Steve Woods

Sr Radiation Safety Officer