



RON CHAPMAN, MD, MPH  
Director & State Health Officer

State of California—Health and Human Services Agency  
California Department of Public Health



EDMUND G. BROWN JR.  
Governor

N60028\_001974  
TREASURE ISLAND  
SSIC NO. 5090.3.A

Date: September 11, 2012

To: John Hill, PE  
Base Closure Manager  
NAVFAC HQ BRAC PMO

Subject: Treasure Island Development concerns regarding elevated radiation levels in five areas

**REPORT SUMMARY:**

The Navy requested the CDPH to investigate radiation levels in the following areas:

1. Treasure Island Childcare Center, 850 Avenue D
2. Boys and Girls Club, Buildings 33A & 33B
3. School, Building 33C
4. Kendrex Winery, Building 33D
5. Trailer, 9<sup>th</sup> and D Streets

On August 28, 2012, RHB performed radiation surveys in and around the areas mentioned above, using a Thermo Scientific RadEye B-20, calibrated on August 12, 2012 and a Victoreen 450 CHP, calibrated on August 14, 2012. RHB also took five random wipe samples in the areas to check for radioactive contamination. One wipe sample was from the Boys and Girls Club, two from Buildings 33A and 33C, and two from Building 502, the Daycare Center. The five wipe samples were submitted for analysis to the CDPH Drinking Water and Radiation Laboratory Branch on August 29, 2012. The wipe sample analysis requested was for Gross Alpha, Gross Beta, and Radium 226.

**SURVEYS AND LABORATORY RESULTS:**

Background radiation levels observed using the RadEye B-20 were approximately (11 – 16) micro rem per hour. Actual radiation levels measured in the five locations using the RadEye B-20 were noted to be approximately (11 – 16) micro rem per hour or background radiation levels. The background radiation levels observed using the Victoreen 450, a more sensitive instrument, found background to be approximately (20-40) micro rem per hour. Actual surveys in the five locations indicated that radiation levels were approximately (20-40) micro rem per hour or background radiation levels.

Based on our radiation surveys, the five locations surveyed were essentially at background radiation levels, and no elevated radiation levels were observed in or around these facilities.

The preliminary results, from the Drinking Water and Radiation Laboratory analysis report, indicate that all wipe samples collected by RHB were within the allowable limits.

**REPORTING:**

Reporting to the NRC is not required.

**HEALTH AND SAFETY:**

No health and safety concerns were identified in our surveys in or around the five locations at the Treasure Island.

**ENFORCEMENT ACTIONS:**

No violations were issued.

**INVESTIGATION STATUS:**

This investigation is closed.

John G. Fassell, CHP  
Chief, Radioactive Material Inspection, Compliance and Enforcement Section

cc:

Michael Tymoff  
Project Director  
Treasure Island Development Project  
One South Van Ness Avenue, Fifth Floor  
San Francisco, CA, 94130

Dan Ward, DTSC