

**TELEPHONE CONVERSATION RECORD  
NRC REGION III**

**SITE OWNER:** U.S. NAVY, NAVAL STATION GREAT LAKES (NSGL)  
GREAT LAKES, ILLINOIS

**LICENSEE:** Englehart Minerals and Chemicals Corporation (Out of Business)

**LICENSE NO.:** SMC-01207 (Terminated)  
SUC-01332 (Terminated)

**DOCKET NO.:** 040-08306 (Terminated)  
040-08680 (Terminated)

**SUBJECT:** NRC DECOMMISSIONING STAFF'S RESPONSE TO QUESTIONS  
BY THE US ARMY HEALTH PHYSICIST HQ, JOINT MUNITIONS  
COMMAND REGARDING THE DCGL FOR THE NSGL

**DATE OF CALL:** August 14, 2007

**CALL PARTICIPANTS:**

**NRC:** George M. McCann, Senior Health Physicist, NRC, Region III,  
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On August 14, 2007, the NRC Region III Decommissioning staff and Mr. Dave Horton of the Army discussed the Navy's DCGL<sub>w</sub> for the NSGL. Mr. Horton had two questions/comments/concerns regarding the DCGL<sub>w</sub>:

1. His understanding is that the NRC, and the Navy came to an agreement on a resident farmer scenario with input parameters that resulted in a DCGL of 4 pCi/g. Mr. Horton asked for verification on this.

NRC response:

The Navy proposed a  $DCGL_w$  of 4 pCi/g as determined by using RESRAD to model a resident gardener scenario. We are expecting either an amended or revised copy of the Site Specific DCGL Determination Report dated March 2007, and/or "Work Plan for the Remediation of the Recreation and Center Tank Areas and Site-Wide Final Status Survey Former Monazite Sand Storage Area Naval Station Great Lakes Great Lakes, Illinois Project USN 2000-003, Phase IV, Modification 1, Revision 0, dated November 2004. The Navy should refer to NUREG-1757 for guidance in explaining the future land use and justification of the resident gardener scenario.

All documents submitted to the NRC for review should be in final draft.

2. Mr. Horton questioned whether the  $DCGL_w$  would apply to just the Site 18 (original storage area), or Site 18 and the Public Private Venture (PPV) area. He stated that he wanted to make sure that it applied to both areas and that if he and the Navy wanted to impose a lower  $DCGL_w$  to the PPV area for the purposes of ALARA, that would be their decision.

NRC response:

The  $DCGL_w$  would apply to the entire site (including the PPV). It would be Mr. Horton and the Navy's decision to implement a lower  $DCGL_w$  to meet their ALARA goals, but should be documented for the NRC's review and understanding.

No further discussion at this time.