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NSTC GREAT LAKES, IL  
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LETTER AND EDITS FROM U S NAVY REGARDING REMEDIAL ACTION BUILDING 105  
GREAT LAKES IL  
3/19/2003  
U S NAVY

To: Dan Fleming

847-688-2319

19 Mar 03

Mr. James Moore  
Illinois Environmental Protection Agency  
1021 North Grand Avenue  
P.O. Box 19276  
Springfield, Illinois 62794-9276

From: Jim Moore

Dear Mr. Moore,

SUBJECT: Bldg 105 Remedial Action for Naval Training Center,  
Great Lakes, Illinois  
IEPA Site # 0971255004  
USEPA # IL7170024577

As we discussed during the conference call on March 19, 2003, we are submitting this request for a coordinated closure at Bldg 105 as part of CERCLA actions. In support of this request, we are providing the following:

IRP covered under the DSMOA with your agency.

- Building 105 is located at the Great Lakes Naval Training Center (GLNTC), Lake County, Illinois. The GLNTC has been in existence since 1911. The facility (EPA# IL7170024577) has operated with RCRA interim status authorization since November 19, 1980 for a container storage area (SO2) that was located inside the building along the northeast wall (Chain Link Wire Cage on Figures 2-6 and 2-7). ~~The RCRA Unit is located in the SE quarter of the NW quarter of the SW quarter of Section 4, Township 44 North, Range 12 East.~~ GLNTC covers approximately 1,600 acres.
- Building 105 was constructed in 1939 and was utilized as a dry cleaning facility until 1993 or 1994 when it was converted to a vending machine supply and repair station. The ~~RCRA unit consists of~~ slab-on-grade building measuring approximately 150 feet by 70 feet. The 10,500 square floor building sits on a lot approximately 250 feet by 115 feet. ~~The 'point of compliance' for Tier 2 modeling and closure will extend beyond the lot line associated with Building 105.~~ As of March 2003, operations have ceased and Building 105 was abandoned and is being prepared for demolition.   
while the container storage area is only
- Soil and groundwater sampling taken at Building 105 indicates contamination of concern in the soil are limited to tetrachloroethane (PCE) and cis-1,2-dichloroethene (DCE). PCE and DCE are also the contaminants of concern in groundwater. The source of the soil and groundwater contamination is uncertain. It is postulated that the soil and groundwater contamination that was identified at

— 'x' —

— 'x' —

The PCE contamination appears to be centered south and east of the

Specifically, please note that DCE plume is located to the south of former storage area

former storage area and the DCE

plume is actually south of the former storage area.

Building 105 was generated from the dry cleaners operations and not specifically from the container storage area (S02). These results have been attached to this letter and include Tables 1 and 2 with analytical results of the soil and groundwater samples, respectively. The extent of the PCE and DCE plumes based on the information to date is provided on Figures 2-6 and 2-7, respectively.

Please Specifically, please note that

Decontamination of the container storage area (S02) occurred around 1994 with the removal of the remaining residues from the drum storage area, and the contaminated concrete resulting from earlier operations will be disposed of during demolition of the building.

The removal of contaminated soils under the facility will be accomplished upon completion of a limited remedial investigation under development. The work plans will be submitted to your office under a separate cover for review, comment, and approval prior to initiation of field activities. The future planned investigation will meet both the CERCLA and RCRA requirements.

- Once the extent of vertical and horizontal contamination has been determined, a remedial action will be proposed and submitted to your office for review, comment, and approval in a coordinated closure as part of CERCLA activities at this site. Confirmatory sampling will be completed as part of any remedial actions. The future planned remediation of this unit will meet both the CERCLA and RCRA requirements for final closure of this unit.
- A closure certification report to document the final closure activities will be submitted summarizing the analytical results.

If you should have any questions, please contact the undersigned at (847) 688-5999, ext 161.

Sincerely,

Daniel M. Fleming  
Environmental Department  
By direction of  
The Commanding Officer