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CNC CHARLESTON  
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LETTER DISCUSSING LEAD IN THE AMBIENT AIR FOUND TO BE VERY FAR BELOW ANY  
ACTION LEVEL CNC CHARLESTON SC  
8/27/1992  
NAVFAC SOUTHERN



DEPARTMENT OF THE NAVY

CHARLESTON NAVAL SHIPYARD  
CHARLESTON, S.C. 29408-6100

5090  
Ser 106.23/3214  
27 AUG 1992

Environmental Protection Agency  
Region IV  
Attn: Mr. Jon Johnston  
345 Courtland Street  
Atlanta, GA 30365

Gentlemen:

As stated in enclosure (1), which forwarded the final submission of the Charleston Naval Base Hazardous Ranking System (HRS), the air pathway data for lead contamination at Solid Waste Management Units #1 and #2 were old (1986) and suspect. Only one of four samples was above the action level of 1.5 ug lead/m3 of air and it was 2 ug lead/m3 of air. A commitment was made in the HRS submission to do a repeat study and submit the results for inclusion in the HRS.

The new study was performed by General Engineering Laboratories of Charleston, South Carolina. This effort duplicated the original and samples were taken in the same locations as those in 1986. A copy of the report is shown as enclosure (2).

As suspected, the current testing shows levels of lead in the ambient air to be very far below any action level. Results were:

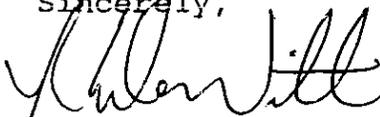
Sample	Sample Result ug lead/m3 air	Upwind Background ug lead/m3 air	Background Corrected ug lead/m3 air
580A (HVD1-1*)	0.109	0.043	0.066
580E (HVD1-2*)	0.019	0.013	0.006
580G (HVD2-1*)	0.036	0.015	0.021
580I (HVD2-2*)	0.008	0.035	<0.000

\*Identity Number of the equivalent sample in the 1986 study and as it appears in the HRS.

It is important to note that it was only the single aberrant result of the 1986 study that raised the Air Pathway score high enough to be significant, and only this Air Pathway that elevated the total HRS score. As expected, the above results indicate that any residual lead at this site is not an airborne threat to the public nor to the environment. Please include the current test results in Charleston Naval Base's HRS and utilize them for the scoring.

If further information is required, contact Mr. John Sneed, Code 106.2, at (803) 743-5519.

Sincerely,



R. E. DEWITT  
Director, Occupational Safety,  
Health and Environmental Office  
By direction of the Commander  
Charleston Naval Shipyard

Encls:

- (1) SOUTHNAVFACENCOM ltr of  
July 10, 1992
- (2) General Engineering Laboratories  
Report of August 20, 1992

Copy to:

South Carolina Department of  
Health and Environmental Control  
Attn: Ms. Kathy Williams  
Federal Facilities Branch  
2600 Bull Street  
Columbia, SC 29201

Commanding Officer  
Southern Division, Naval Facilities  
Engineering Command (SOUTHNAVFACENCOM)  
2155 Eagle Dr., P.O. Box 10068  
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