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MCRD PARRIS ISLAND
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LETTER OF TRANSMITTAL AND HUMAN HEALTH RISK SUMMARY DATA FOR SITE 3
CAUSEWAY LANDFILL MCRD PARRIS ISLAND SC
12/8/2008
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST



DEPARTMENT OF THE NAVY
Naval Facilities Engineering Command Southeast
Jacksonville, FL 32212-0030

December 8, 2008

US Environmental Protection Agency
Attn: Ms. Lila Llamas
Federal Facilities Branch
Region IV
61 Forsyth Street, SW
Atlanta, GA 30303

South Carolina Department of Health and Environmental Control (DHEC)
Attn: Ms. Meredith Amick
Bureau of Land and Waste Management
Corrective Action Engineering Section
2600 Bull Street
Columbia, SC 29201

RE: Parris Island Site 3 Risk Data

Dear Ms. Amick and Ms. Llamas:

Attached is the Human Health Risk summary data we plan to use in our final report. The data illustrates that worst case consumption numbers do not exceed thresholds of unacceptable risks for the surveyed adult population. We look forward to discussing this data at your earliest convenience. Based on the referenced data, the Navy does not believe further fish tissue sampling is necessary.

The DoN is committed to accomplishing the Team's clean-up goals in both an effective and efficient manner. If you have any questions regarding this submittal, please contact Charles Cook, PE at (904) 542-6409 or e-mail charles.cook2@navy.mil.

Sincerely,

A handwritten signature in black ink, appearing to read "Sarah Reed".

Sarah Reed, P.E.
Remedial Branch Head,
South Central Integrated Product Team

Copy to:
MCRD Parris Island (Tim Harrington, Heber Pitman)
Tetra Tech (Mark Sladic)
EPA(Lila Llamas, Mac Mcrae,)

**COMPARISON OF RISKS BETWEEN EXPOSURE SCENARIOS
SITE 3 - CAUSEWAY LANDFILL
MCRD PARRIS ISLAND, SOUTH CAROLINA**

Non-Carcinogenic Risks

COPC	Military Receptor	
	90 meals/yr	
	Child	Adult
Copper	0.09	0.03
Mercury	0.3	0.1

Civilian Receptor			
350 meals/yr		500 meals/yr	
Child	Adult	Child	Adult
0.3	0.1	0.5	0.2
1.2	0.5	1.7	0.7

Carcinogenic Risks

COPC	Military Receptor	
	90 meals/yr	
	Child	Adult
4,4'-DDD	3.E-07	2.E-07

Civilian Receptor			
350 meals/yr		500 meals/yr	
Child	Adult	Child	Adult
1.E-06	4.E-06	1.E-06	6.E-06

Note: All risks are normally reported to one significant figure. Consequently, the risk from mercury for a child consuming 350 meals per yr would be reported as 1 (which would be considered acceptable) and the risk from mercury for a child consuming 500 meals per yr would be reported as 2 (which would be considered unacceptable).