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MCRD PARRIS ISLAND
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EMAIL OF TRANSMITTAL AND NATIONAL OCEANIC AND ATMOSPHERIC
ADMINISTRATION COMMENTS ON SOLID WASTE MANAGEMENT UNIT/AREA OF
CONCERN ASSESSMENT REPORT FOR SOLID WASTE MANAGEMENT UNIT 54 MCRD
PARRIS ISLAND SC
12/5/2002
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Sladic, Mark

From: Tom Dillon [Tom.Dillon@noaa.gov]
Sent: Thursday, December 05, 2002 11:28 AM
To: Art Sanford; David Keefer; Debra Kraemer; Diane Duncan; Don Hargrove; Priscilla Wendt; Rob Pope; Tim Harrington; David Scaturo; Sladic, Mark
Subject: NOAA Comments on WWTT SAR



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nt-WWTT SAR.DOC

brief comments attached

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National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
OFFICE OF RESPONSE & RESTORATION
COASTAL PROTECTION AND RESTORATION DIVISION
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Waste Management Division
61 Forsyth Street, Atlanta, GA 30303

MEMORANDUM

TO: Parris Island Team

FROM: Tom Dillon, Ph.D.

SUBJECT: NOAA Comments on Draft SAR for WWTT SWMU 54/OU 10

DATE: December 3, 2002

The U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) appreciates the opportunity to comment on SWMU/AOC Assessment Report for SWMU 54/OU 10 Old Wastewater Treatment Tank, at the US Marine Corps Recruit Depot Parris Island, undated. If you have any questions, please contact me at 404-562-8639; FAX 404-562-8662 or tom.dillon@noaa.gov.

1. Limited analytical data suggest further investigations are warranted.

It appears that 4 liquid (or leachate) and 2 solid (or sludge) samples were taken. Sample descriptions vary between the SAR report (leachate and sludge) and Attachment 3 (liquid and solid). Terminology should be consistent throughout. Sample locations should be described more fully and/or shown on Attachment 1 Site Sketch.

a. Both of the liquid (or leachate) samples analyzed for inorganics have elevated concentrations (e.g., lead - 61 mg/L, copper - 22 mg/L, tin - 51 mg/L, zinc - 150 mg/L, silver - 1 mg/L, cadmium - 1 mg/L, mercury - 16 μ g/L). Concentrations greatly exceed EPA Region 4 ecological screening values.

b. Both solid (or sludge) samples have elevated levels of PAH. The sum of 9-11 individual PAH varies between 32-39 mg/kg. Also detected were Dibenzofuran, 5.7-7.9 mg/kg in both solid samples and Aroclor 1242, \approx 90 μ g/kg, in one of the solids samples.

c. A significant uncertainty is the solid samples (high in PAH) were not analyzed for metals and the liquid samples (high in metals) were not analysed for PAHs.

d. No samples were taken in the adjacent saltmarsh where the wastewater treatment tank discharged.

2. Other Comments on the SAR

a. Under §5.0 (Release Information), biota should be included as "Potentially Impacted Media" along with soil, sediment and ground water. If the observation of no "stressed vegetation" was not made by a trained botanist/biologist experienced in site investigations, this characterization should be deleted. Moreover, this observation is generally not a good measure of "Potentially Impacted Media".

b. Under §6.0 (Sampling and Testing Summary), "Two samples collected for each media" appears inconsistent with the description of 4 "Leachate" samples and 2 "Sludge" samples.

c. Under §7.0 (Conclusions and Recommendations), leave the "Evidence of Release/Environmental Impact Identified" unmarked as no evidence has been generated either confirming or ruling out environmental impacts.

d. The report should be dated.