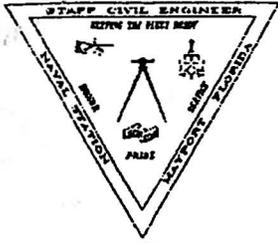


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NS MAYPORT
5090.3a

MEMORANDUM REGARDING FLEET TRAINING CENTER DETENTION POND SOLID
WASTE MANAGEMENT UNIT 14 NS MAYPORT FL
10/30/1996
NAVAL STATION MAYPORT



**STAFF CIVIL ENGINEER DEPARTMENT
NAVAL STATION
MAYPORT, FLORIDA 32228-0067**

IN REPLY REFER TO:
5090.15
N4E4
30 Oct 96

MEMORANDUM

From: Cheryl Mitchell, N4E4
To: Distribution List

Subj: FLEET TRAINING CENTER DETENTION POND (SWMU 14) AND NELP
CONTRACTOR (RHS TECHNICAL SERVICES)

1. I was contacted yesterday by the FTC Engineering Officer, Lt. Barrios, regarding their concrete detention pond. He was concerned that there was excessive amounts of soil washing into the pond and that it was primarily coming from the area the subject NELP contractor had treated and then regraded. I told him that there has always been some soil from the surrounding area that washes into the pond during every rainfall event due to the design of the site. When I looked at the area it appeared that the soil was deposited in distinct patterns along the joints with what looked like new petroleum stains around the joints. The soils may have been washed into the pond during the recent heavy rainfall events (Lt. Barrios said the entire area was under water) and just settled-out near the joints.

2. During the NELP demonstration project on the concrete pond, the contractor used a high pressure wash to remove surface petroleum contamination. During one of my site visits for this contract I discovered that he was removing the expansion joint material while using this high pressure nozzle and I told him to avoid the joints so that he didn't remove any more of the material. It is possible that the contaminated soils beneath the pond are percolating up into the pond through the joints or the soils may just have washed into the pond during the last heavy rainfall.

3. In September 1996 I issued an Engineering Service Request (ESR) #96-001, enclosure (1), to SOUTHNAVFACENGCOM for a study/design/construct project to allow the rainwater to be discharged without being treated through the OWTP. This should be awarded this year with construction beginning in FY98. In the interim, I don't want to spend an excessive amount of money to investigate and fix the problems if they can be temporarily postponed. Since there is concern about additional soils getting into the wet well at the lift station, I have requested that FTC remove the soil in the pond, (preferably when it has dried) drum it as non-hazardous waste and stage it in their HW satellite area for pick-up. If they can do this on an "as-needed" basis it would help minimize further build-up of soils in the wet well (already estimated at 4'-6'). I

will issue a Category C (5 day turnaround) service call to ColeJon/Jones to patch the joints with a petroleum and water resistant compound. Hopefully we can at least patch the joints in the bottom of the pond within the material cost limit of a trouble call. I have also requested that FTC coordinate with ColeJon/Jones so that the pond can be rinsed off prior to application of the patch in the hopes of achieving a better seal.

4. This patch will only be temporary and we may discover that these joints are not the problem. I have asked Lt. Barrios to be the POC on the trouble call since I will be out of the office in November. I will re-evaluate the problem in December when I return and see if the situation has improved. Everyone should be aware that anymore heavy rainfall events, similar to those we have had recently, can deposit a large amount of soil in the pond and this may be what has caused the current problem.

5. If there are any questions regarding this subject in my absence, please contact Mike Davenport at 270-6730 (x11). Thank you all for your help and patience while we try and resolve this issue.

CHEZYL MITCHELL

Distribution:

N4E, N4A, N4

Fleet Training Center, Engineering Officer (Lt. Barrios)

SOUTHNAVFACENGCOM (Codes 1823, 1852, 18E2JB)

USEPA (M. Berry)

FDEP Tallahassee (J. Cason)

ABB-ES (Frank Lesesne)

ColeJon/Jones (Bob Lacy)

7. Request design and completion of a contract to clean the Fleet Training Center (FTC) concrete fire fighting field located between Buildings 1388 and 1804. Objective of project will be to allow rainwater coming in contact with the concrete field to meet Florida surface water quality standards.

9. The area consists of 2 open-burn pits, associated trench drains and underdrains, valve pits, detention pond, and lift station with wet well and associated force main piping to holding tanks located at the WWTP (Bldg 285). The proposed method of cleaning may include sealing the field surface, lining the drains, and abandonment of the lift station system. The wet well is known to have a buildup of several feet of petroleum contaminated soil which will have to be removed. The runoff flow pattern will have to be evaluated and a proposal made on how to manage the water coming off the field and whether the detention pond is still required. Assessment of several abandoned tank and building mockups on the field will have to be made to determine if they are a contributing source to contamination of surface runoff. If they are a source of contamination they will need to be removed, however, if they are not a source, their removal may be funded by another Command so a separate cost estimate to remove these will be required.

NOTE: The site is a SWMU which is being investigated under the IR program IAW the NAVSTA HSWA permit. Petroleum contamination exists underneath the field in various locations and free product was found near the open-burn pits. Any potential remediation will be coordinated with this project through the POC listed, however, it should not delay this design phase unless invasive work is anticipated. This will be an on-going topic of discussion during the design phase and the A&E will be kept informed of the situation.