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FACT SHEET NUMBER FOUR REGARDING RCRA FACILITY ASSESSMENT AND
SAMPLING VISIT NS MAYPORT FL
9/1/1995
NS MAYPORT



NAVAL STATION MAYPORT

Environmental Restoration Program

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This fact sheet is one in a series informing interested citizens of the environmental cleanup at Naval Station Mayport. Fact sheets will be produced at regular intervals and in response to public interest. Fact sheet distribution is coordinated through the Public Affairs Office at Naval Station Mayport, telephone: (904) 270-5226. Please call Cheryl Mitchell in the Staff Civil Environmental Engineering Office at Naval Station Mayport with further questions about the environmental clean up, telephone: (904) 270-6730.

FACT SHEET 4: RCRA Facility Assessment and Sampling Visit

Overview of Cleanup Program

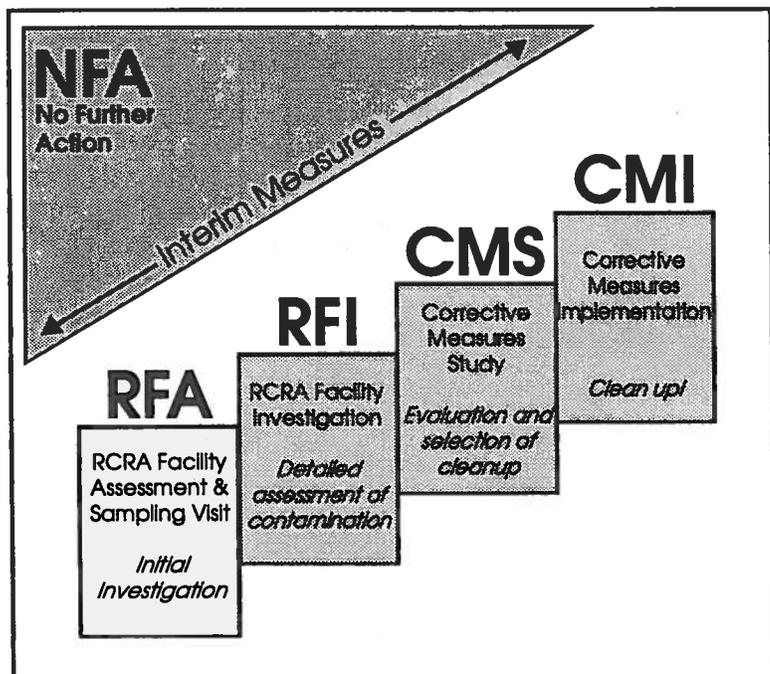
Over the last several decades, releases of chemicals and petroleum products are suspected to have occurred in certain areas at Naval Station (NAVSTA) Mayport. The Navy is investigating these areas, known as solid waste management units, or SWMUs, as part of its Installation Restoration Program.

As described in Fact Sheet 1, the cleanup program is conducted in a series of steps and meets the requirements of the Resource Conservation and Recovery Act (RCRA). Information gathered from each step provides the basis for the next step or action. Each site will move through all the cleanup steps, as shown in the figure at the right, unless it is found to pose no significant risk to human health or the environment. If no significant environmental risk is identified, the site is determined to require No Further Action (NFA) and is removed from the cleanup program. For more information on the cleanup program, see Fact Sheet Nos. 1 and 2, available at the Information Repository.

In order to implement and expedite the cleanup activities at Mayport, a Corrective Action Management Plan (CAMP) was prepared. In the CAMP, sites were grouped together for evaluation and cleanup. Four SWMU Groups were identified based on geographic location, waste management activities, and potential for similar cleanup actions.

This fact sheet describes the initial step in the environmental cleanup program at NAVSTA Mayport, the RCRA Facility Assessment and Sampling Visit (RFA/SV). Sites are evaluated to determine if there has been an environmental release and to identify potential problem areas that require further evaluation. The RFA/SV represent the first step in identifying, assessing, and investigating suspect sites. Sites in Groups I and II have been evaluated, and the *RFA Sampling Visit Report* was finalized in August 1995. This fact sheet will describe the results and next steps for these sites.

The RCRA Cleanup Process



What is the RFA?

The RFA is the first step in the cleanup program. In conducting an RFA, areas called solid waste management units, or SWMUs, are evaluated to determine if chemicals or petroleum products have been released or are likely to be released into the environment.

The purpose of the RFA is to gather information on actual or potential releases from these areas and determine the need for further investigation and cleanup, if necessary. This is accomplished by reviewing available information in facility files and records kept by local and state agencies. In addition to the detailed record review, facility personnel knowledgeable about the waste management activities over the years are interviewed to collect information. A visual site inspection of the areas may also be conducted to confirm information and note any visual evidence of a release.

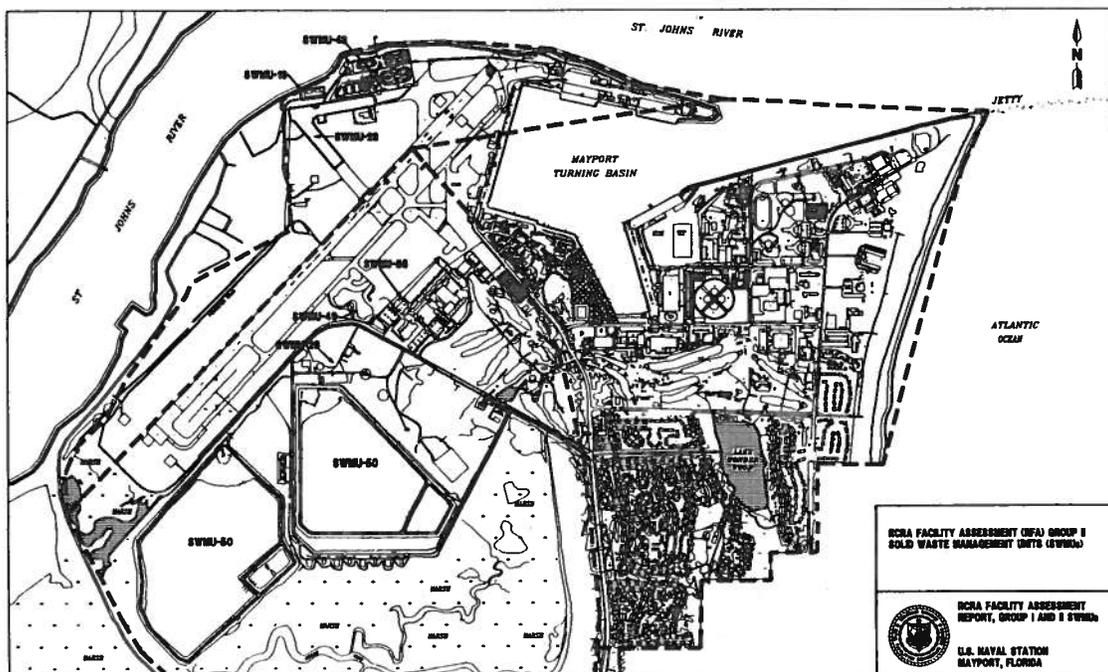
A sampling visit may be conducted as part of the RFA to further confirm or disprove suspected releases from these units. Samples of soil, sediment, surface water, or groundwater may be collected and sent to a certified laboratory for chemical analysis. Analysis of this data will determine the need for future environmental investigations at specific sites.

What is the result?

In 1989, an RFA conducted at Naval Station Mayport identified 56 SWMUs and 2 areas of concern. At that time, releases of hazardous chemicals and petroleum products were confirmed at 18 SWMUs and further investigation initiated. Fifteen sites were recommended for No Further Actions because no evidence of a release existed. Additional information was needed at 25 sites that were suspected to be sources of releases to the environment but not yet confirmed. For these sites, a sampling visit will confirm the presence or absence of a release.

Sampling visits, or confirmatory sampling, at the SWMUs in Group I and Group II have been completed, and detailed results are presented in the *RCRA Facility Assessment Sampling Visit Report, Groups I and II*. The table on the right lists the SWMUs where confirmatory sampling was performed and the results of those investigations. The map below highlights the location of these areas.

Sampling indicated no evidence of a significant release to the environment at SWMUs 19, 26, 28, 48, and 56. Further investigation is recommended at SWMUs 49 and 50. Sampling at SWMUs in Groups III and IV will be scheduled at a later time.



Sites Investigated as Part of the RFA and Sampling Visit

Group 1

SWMU No.	SWMU Name	SWMU Description	Areas Sampled	Recommendations
26	Landfill C	A trench (100' x 20' x 8') reportedly used in 1963 to dispose of scrap metal and construction debris.	Soil Groundwater	No further investigation required.
49	Flight Line Retention Ponds	Constructed in 1985, the two ponds collect runoff from the flight operation and maintenance areas through the stormwater system.	Surface water Sediment	Further ecological, aquatic, and sediment testing is required to evaluate the effects of continued and past discharge from the industrial area to the ponds.
50	East and West Dredge Material Holding Areas	Dredge materials from the Mayport Turning Basin are contained in these two holding areas. The eastern area received material from the 1940s to 1987 and again in 1994, and the western area from 1973 to 1994. Both areas have reached capacity.	Surface water Sediment	Further ecological, aquatic, and sediment testing is required to evaluate adverse impacts to the environment.
56	Building 1552 Accumulation Area	Located near the squadron helicopter hangar, this concrete pad has been used since 1985 to store steel drums containing wastes such as solvents, paint thinners, and waste oil.	Surface soil Subsurface soil Groundwater	No further investigation required.

Group 2

SWMU No.	SWMU Name	SWMU Description	Areas Sampled	Recommendations
19	Naval Aviation Depot (NADEP) Blasting Area	North of Buildings 1470 and 1471, the area was used for abrasive blasting of unpainted aircraft carrier parts from 1981 to 1989. Black Beauty™ was used in the blasting process. Samples were collected and analyzed for metals.	Surface soil Subsurface soil Groundwater	No further investigation required.
28	Defense Reutilization and Marketing Office (DRMO) Yard	A fenced area located on an abandoned runway covers 315,000 square feet. The area has been used since 1967 for storing scrap metal and other items for salvage.	Surface soil Subsurface soil Groundwater	No further investigation required.
48	Former Chemistry Laboratory Accumulation Area	Numerous plastic and steel containers were identified in photographs thought to be located behind the current Chemistry Laboratory. No drums or containers are presently located in this area.	Surface soil Subsurface soil Groundwater	No further investigation required.

For More Information...

The Navy is committed to keeping the channels of communication open and keeping you up to date on our cleanup activities.

Information about the cleanup is readily available to the public in the **Information Repository**. The Information Repository contains all the public documents related to the cleanup at Naval Station Mayport, including site information, program activities, and investigation results. The Information Repository is located at:



Beaches Branch Public Library
600 Third Street
Neptune Beach, Florida
(904) 241-1141

For further information about the environmental cleanup program at Naval Station Mayport, or if you would like to be added to the mailing list to receive future newsletters or our environmental newsletter *Navy Green*, contact:

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Information about the cleanup program at Naval Station Mayport is also presented in public meetings of the station's Restoration Advisory Board (RAB). The RAB meets every month to discuss the status of cleanup activities, upcoming actions, and cleanup issues. The meetings are open to the public, and the public is encouraged to attend. Meetings are advertised in the Shorelines edition of the *Florida Times-Union*.

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