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NAS CECIL FIELD, FL
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"SITUATION REPORT ON POTENTIAL UNEXPLODED ORDNANCE AT SITE 18, OPERABLE
UNIT 1 (OU 1) SITE 1 AND SITE 2, OPERABLE UNIT 4 (OU 4) SITE 10 AND OPERABLE
UNIT 5 (OU 5) SITE 15 NAS CECIL FIELD FL"

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ABB ENVIRONMENTAL SERVICES INC

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SITREP #3

NAS CECIL FIELD

Situation Report on UXO at Sites 1, 2, 10, 15, and 18

What we found:

During our on-going environmental cleanup efforts at Cecil Field, potential unexploded ordnance (UXO) was identified at Sites 1, 2, 10, and 15. UXO had previously been confirmed at Site 18.

What is Unexploded Ordnance?

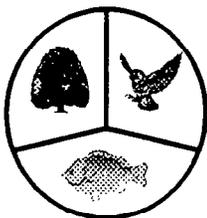
Ordnance refers to various weapons, munitions, and other explosive materials used by the military. UXO is any ordnance material that has failed to function or has been discarded. The item may still be "live" or capable of exploding and causing injury. Other UXO items may be "inert" and contain no explosive material. The status of some UXO material cannot be determined due to its age or deteriorated condition and must be detonated to eliminate the potential hazard.

Background:

Sites 1 & 2: The ROD for Sites 1 & 2 requires soil-gas samples at approximately 30 locations, 17 sediment samples along Rowell Creek and the drainage ditch, and sampling of the 14 existing monitoring wells around the perimeter of the landfills. The highest potential risks of the three work tasks will be during the soil-gas survey, which requires that a monitoring probe be driven three feet below land surface. Ingress/egress (i.e., traveling to and from the site) to perform the three tasks pose additional risks of coming in contact with UXO.

Site 15: Site 15 has been extensively investigated, with about 300 soil borings spaced evenly throughout the 50-acre site. Upcoming work includes additional soil sampling to determine the vertical extent (i.e., depth) of lead contamination. The horizontal extent (i.e., lateral area) has already been determined. Operations required to advance the soil borings and ingress/egress pose a potential risk to survey personnel.

Site 18: An UXO survey has already been completed at the site. An explosive ordnance detachment (EOD) from NAVSTA Mayport Team has removed all UXO material discovered except that beneath the wooden bridge. All necessary permits and approvals to excavate the stream channel beneath the bridge have been obtained. UXO removal has been postponed awaiting low stream-flow conditions.



What we plan to do:

- Sites 1 & 2: The BCT has contracted with EOD Mayport to clear, via a visual survey, all ingress/egress routes and sampling locations at Sites 1 and 2 to ensure the safety of our crews. All boring and probe locations will be cleared using a magnetometer.
- Site 10: A visual survey will be performed over the entire site and the flood plain adjacent to Rowell Creek. All UXO material found will be removed.
- Site 15: A comprehensive visual and magnetic survey will be conducted over the entire site.
- Site 18: Remaining UXO material will be removed when low stream-flow conditions permit.

Why Now?

We have spent about a million dollars surveying and removing UXO at Cecil Field. Why didn't we find it all before now?

The answer is very simple. We could spend 20 million dollars and could still not guarantee a complete job. There is not enough money in our budget to survey every foot of the 16,000 acres of Cecil Field, nor would it be a wise technical approach. In order to perform a magnetic survey on the density necessary to guarantee "no misses," all of Cecil Field would have to be clear cut to provide the access for the equipment and to visually confirm no surface UXO.

The survey was performed on a grid basis to provide an indication of the potential need for a more in-depth survey. The sites are heavily vegetated and it is very easy to miss surface UXO in areas not magnetically surveyed. We did the best we could with the money available. As more investigative work is performed, we may identify other areas that will need additional UXO investigation.

Glossary

Egress: Leaving, as in walking across and area to leave a site.

Explosive ordnance detachment (EOD): A navy team of explosive experts.

Horizontal extent: In site characterizations, the lateral area impacted by contamination.

Ingress: Entering, as if walking across and area to enter a site.

Vertical extent: In site characterization, the depths, from top to bottom, impacted by contamination.

Unexploded ordnance (UXO): Various weapons, munitions, and other explosive materials used by the military.

