



DEPARTMENT OF THE ARMY
U. S. ARMY COMBAT SYSTEMS TEST ACTIVITY
ABERDEEN PROVING GROUND, MARYLAND 21005-5055



REPLY TO
ATTENTION OF

STECS-SO-S (385-11m)

23 August 1989

MEMORANDUM THRU

Commander, U.S. Army Test and Evaluation ^{24 Aug 89} Command, ATTN:
AMSTE-ST-S, Aberdeen Proving Ground, MD 21005-5055

Commander, U.S. Army Materiel Command, ATTN: AMCSF-P, 5001
Eisenhower Avenue, Alexandria, VA, 22333-0001

FOR U. S. Nuclear Regulatory Commission, Region I, ATTN: Mr.
John D. Kinneman, Nuclear Materials Safety Section B,
Division of Radiation Safety and Safeguards, 75 Allendale
Road, King of Prussia, PA 19406

SUBJECT: NRC License SUB-834

1. Reference meetings of NRC and USACSTA personnel on 2 May,
28 June, and 10 July 1989.

2. This letter is to inform the Nuclear Regulatory Commission, as
agreed at referenced meetings, that USACSTA is planning to
construct a depleted uranium sand trap (DUST). (This project may
also be referred to as DU soft target "catch box"). A Record of
Environmental Consideration (encl 1), a drawing (encl 2), a
location map for the DUST project (encl 3), and a memo, subject:
Wetland Consideration for Proposed DU Catch Box Sites (encl 4)
are enclosed. The purpose of this project is to collect (in a
relatively small sand bunker) DU projectiles which have been fired
at soft targets and, hence, decrease the area of environmental
concern for future soft-target DU testing.

3. The DUST structure is expected to be ready for testing by
1 October 1989, and will conform to the conditions currently in
effect regarding soft-target testing of DU munitions, as stated in
subject license. The environmental document for the DUST
facility will be incorporated in the environmental assessment of
all USACSTA DU operations, included in the application for renewal
of subject license and submitted for NRC approval later this year.

8911090052 891023
REG1 LIC40 PDR
SUB-0B34

SEP 01 1989

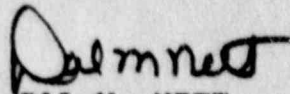
STECS-SO-S (385-11m)
SUBJECT: NRC License SUB-834

4. This letter is submitted in accordance with NRC requirements for materials licensees.

5. Point of contact for this action is Mr. Robert Aaserude, Safety Office, USACSTA, phone (301) 278-3898.

FOR THE COMMANDER:

Encl



DAL M. NETT
Chief, Safety Office

ABERDEEN PROVING GROUND
RECORD OF ENVIRONMENTAL CONSIDERATION
FOR
RESEARCH, DEVELOPMENT, TEST AND EVALUATION ACTIVITIES

TO: STECS-RM-PL
USACSTA Environmental Coordinator

FROM: STECS- AE-CH
(Proponent)

1. Project Title and TRMS No: Construction of Depleted Uranium Soft
Target "Catch Box":

2. Brief description of proposed action: Construction of a box to catch
and hold penetrators which have impacted soft targets cloth and wood. Construction
materials will consist of wood sand and tarps. Area will be monitored upon
completion of construction. Purpose of the box is to provide efficient recovery
and control of DU penetrators. Locations Encl 1, Drawing Encl 2.

3. Anticipated date and/or duration of proposed action: Sep 89
(Month/Year)

4. Reason for using record of environmental consideration (choose one):
a. Adequately covered in the existing environmental document entitled Installation Environmental Impact Assessment, March 1978, and/or environmental document entitled: _____
dated: _____

or b. Is categorically excluded (CX) under the provisions of CX _____, AR 200-2, appendix A, (and no extraordinary circumstances exist as defined in paragraph 4-3), because A-7

USACSTA PROJECT PROPONENT Donald Harrington DONALD HARRINGTON, CPT DATE 11 Aug 89
USACSTA ENVIRONMENTAL COORDINATOR Joseph P. Ondek JOSEPH ONDEK DATE 14 Aug 89
USAAPGSA ENVIRONMENTAL COORDINATOR Gerald M. Polli DATE 22 Aug 89

Encl 1

ENVIRONMENTAL QUALITY CONSIDERATIONS

1. Was there a statement in the test correspondence (i.e., directive, PM request) relative to environmental documentation or impact?
 Yes N/A No N/A.

2. Was there an environmental document provided by the developer?
 Yes N/A No N/A. If there was, attach a copy to this REC.

3. Will the proposed action become a matter of public controversy?
 Yes N/A No N/A.

4. Will there be an increase above the levels customarily prevailing at APG of any of the following as the result of the proposed test or action, or does a known violation of regulations exist?

	YES	NO		YES	NO
Airborne particulates	_____	<u>X</u>	Airborne vapors	_____	<u>X</u>
Liquid wastes	_____	<u>X</u>	Utilities usage	_____	<u>X</u>
Noise	_____	<u>X</u>	Erosion	_____	<u>X</u>
Radiation	_____	<u>X</u>	Storm runoff	_____	<u>X</u>
Pesticides	_____	<u>X</u>	Odors	_____	<u>X</u>
Toxic materials	_____	<u>X</u>	Any other significant environmental impact	_____	_____

Duds (>10% increase in the impact area) _____ X
 Will any of the following be done?

Clearing of trees	_____	<u>X</u>	Disturbance to rivers, bay, inlets, ponds, etc	_____	<u>X</u>
Filling of wetlands	_____	<u>X</u>	Exceptionally loud noises	_____	<u>X</u>

5. Check one of the statements below:

X a. The environmental consequences of this project have been assessed. No significant environmental impact is anticipated nor is any environmental controversy expected to be associated with this project.

_____ b. The environmental consequences of this project have been assessed. Based on "yes" answers in para 4, the potential exists for significant environmental impact. The action will be coordinated with the USACSTA Environmental Coordinator.

6. Forward 2 copies of this document to the Environmental Quality Coordinator, ATTN: STECS-RM-PL for staffing. The signed original will then be provided to the project officer.

ENVIRONMENTAL QUALITY CONSIDERATIONS

1. Was there a statement in the test correspondence (i.e., directive, PM request) relative to environmental documentation or impact?

Yes N/A No N/A.

2. Was there an environmental document provided by the developer?

Yes N/A No N/A. If there was, attach a copy to this REC.

3. Will the proposed action become a matter of public controversy?

Yes N/A No N/A.

4. Will there be an increase above the levels customarily prevailing at APG of any of the following as the result of the proposed test or action, or does a known violation of regulations exist?

	YES	NO		YES	NO
Airborne particulates	_____	<u>X</u>	Airborne vapors	_____	<u>X</u>
Liquid wastes	_____	<u>X</u>	Utilities usage	_____	<u>X</u>
Noise	_____	<u>X</u>	Erosion	_____	<u>X</u>
Radiation	_____	<u>X</u>	Storm runoff	_____	<u>X</u>
Pesticides	_____	<u>X</u>	Odors	_____	<u>X</u>
Toxic materials	_____	<u>X</u>	Any other significant environmental impact	_____	_____

Duds (>10% increase in the impact area) _____ X
 Will any of the following be done?

Clearing of trees	_____	<u>X</u>	Disturbance to rivers, bay, inlets, ponds, etc	_____	<u>X</u>
Filling of wetlands	_____	<u>X</u>	Exceptionally loud noises	_____	<u>X</u>

5. Check one of the statements below:

X a. The environmental consequences of this project have been assessed. No significant environmental impact is anticipated nor is any environmental controversy expected to be associated with this project.

_____ b. The environmental consequences of this project have been assessed. Based on "yes" answers in para 4, the potential exists for significant environmental impact. The action will be coordinated with the USACSTA Environmental Coordinator.

6. Forward 2 copies of this document to the Environmental Quality Coordinator, ATTN: STECS-RM-PL for staffing. The signed original will then be provided to the project officer.

1AR → Around AXES
to seal.

to keep water off.

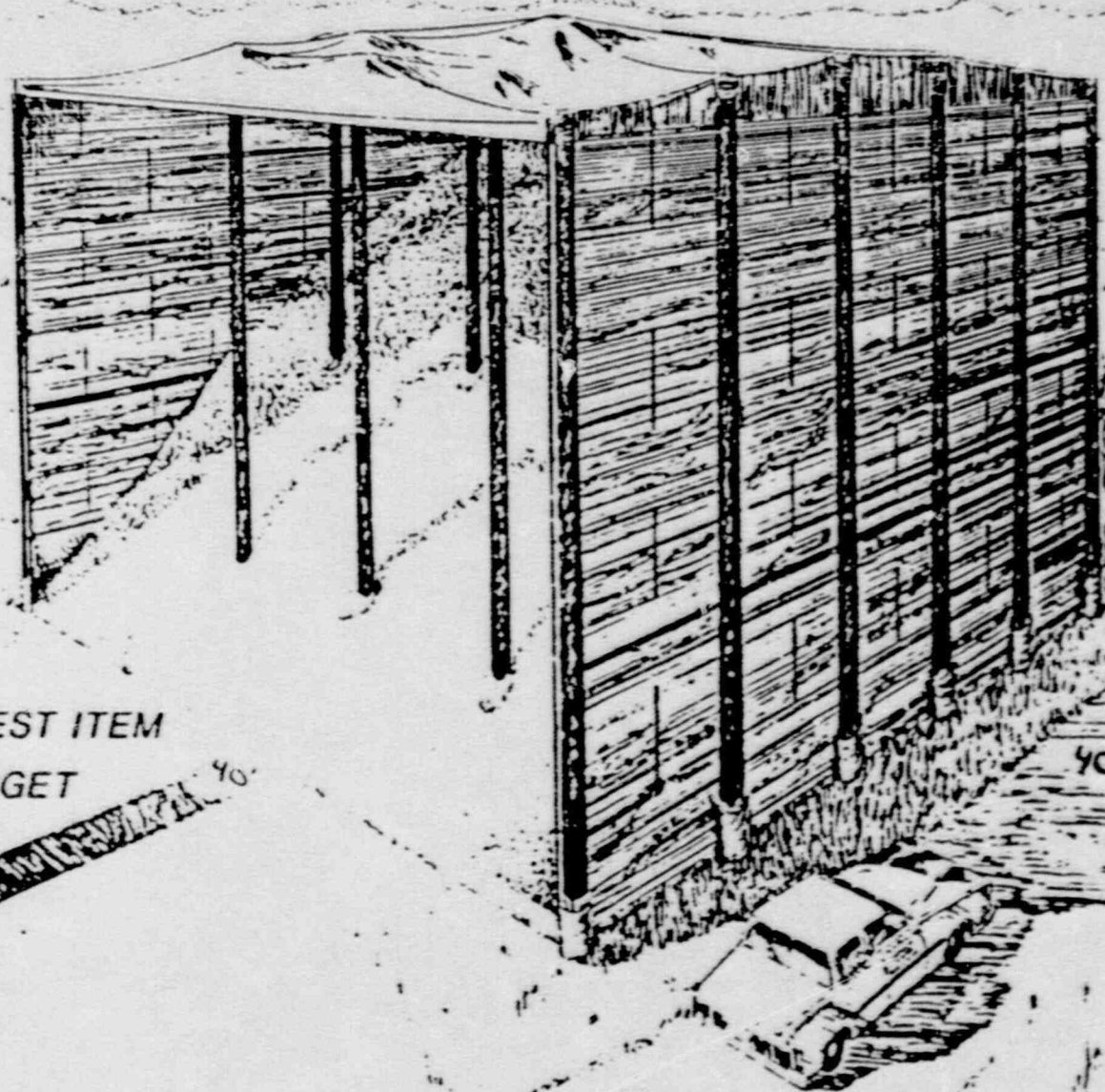
- MAPS → Flat bottom
 - witness plates
 - Low wooden wall to keep sand splashing out.
- Integrity of bottom MEMBRANE with piles.

30'

3000m FROM TEST ITEM
100ft. FROM TARGET

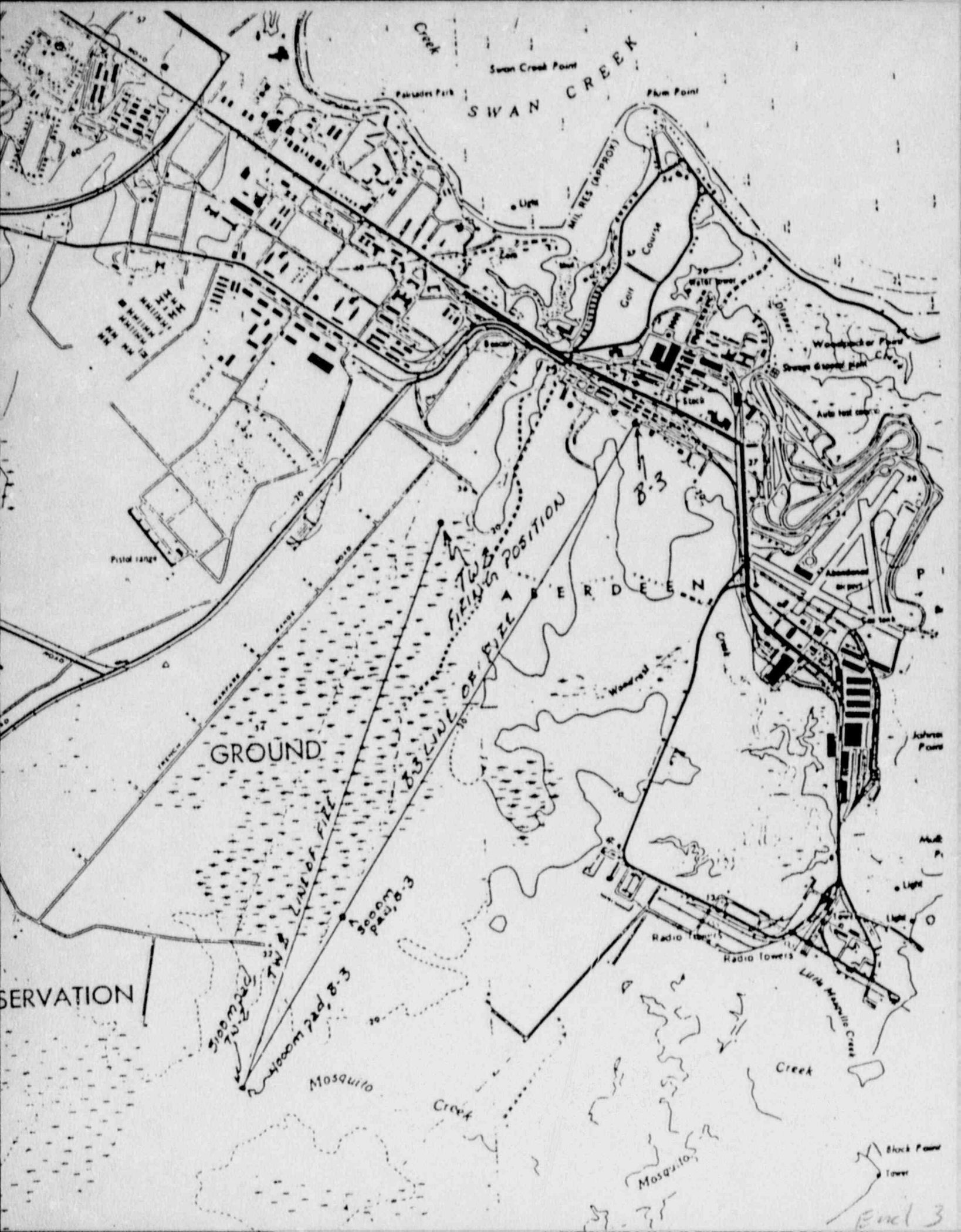


40'



Encl 2

ENCL I



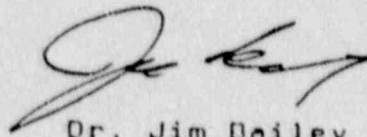
TO: Robin Hoory, Chief, planning Branch, DOS

FROM: Jim Bailey, Fish and Wildlife Biologist, DOS

SUBJECT: Wetland Consideration for Proposed DU Catch Box Sites

1. The proposed sites for DU Catch Boxes at the 3000 and 4000 meter positions of the Main Front have been examined for wetland characteristics on various occasions in July and August 1989, most recently, 10 August 1989.

2. Sites at both the 3000 and 4000 meter positions have been delineated such that construction can be completed in upland areas (see enclosures 1 and 2).



Dr. Jim Bailey
Fish and Wildlife Biologist, DOS

enc 2

CF

CSTA Environmental Coordinator, Mr. Joe Ondak

CSTA Safety, Mr. Richard Shipe

DSHE, Mr. Tim McNamara

DOS Planning Branch, Mr. Jeff Munkato

DOS Planning Branch, Mr. Jeff Strotmeyer