

GRAFENWOEHR TRAINING AREA

ENVIRONMENTAL STANDARD OPERATING PROCEDURES

FOR TRAINING UNITS

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WHY AN ENVIRONMENTAL SOP?

The intent of this SOP is to:

- Help and inform units training at Grafenwoehr Training Area (GTA) about the Environmental Customer Service available.
- To comply with German and U.S. Environmental Laws and Regulations.
- To prevent contamination and destruction of the environment.
- To ensure proper cleanup and disposal of spilled hazardous substances.

ALWAYS KEEP IN MIND:

Environmental Contamination not only destroys natural resources; it destroys your health!

A hazardous substance spilled in your motor pool and not cleaned up immediately and disposed properly contaminates our drinking water wells that you drink from during your stay at GTA. All soldiers and civilians training at GTA must comply with this SOP. We constantly improve this SOP. If you have suggestions on this SOP, on how the environmental customer service at GTA can improve, or simply want more information about Environmental Programs call the Grafenwoehr Environmental Division, DSN 475-7209.

REFERENCES:

- a. AR 200-1 Environmental Protection and Enhancement, 23 Apr. 1990
- b. USAREUR Regulation 200-1, Environmental Quality, 9 Dec. 1993
- c. AR 420-76 Hazardous Waste Recycling and Disposal, 1 Jan. 1985
- d. AR 420-47 Solid and Hazardous Waste Management, 1 Dec. 1984
- e. German Water Law
- f. German Ordinance for Storage and Dispensing of Water Endangering Substances (VAWS)
- g. German Regulation for Storage and Dispensing of Water Endangering Liquids (VAWF)
- h. Final Governing Standards

ENVIRONMENTAL CUSTOMER SERVICE

1. Purpose: To ensure maximum compliance with environmental laws with the least training interference.
2. Customer Service Offered:
 - a. Used Oil Disposal Facilities at all motor parks/tank parks, GTA wide, including 9 range maintenance areas.
 - b. Authorized hazardous waste/material storage facilities at all tank/motor parks, maintenance areas, range maintenance areas, in special buildings or inside the used oil disposal shed.
 - c. Disposal facility for contaminated diesel/gasoline.
 - d. Disposal facility for POL/water mixture.
 - e. 24 Hour disposal capability for contaminated soil and contaminated dry sweep at a special disposal/treatment site or at the Fire Department (for small amounts and after duty hours)
 - f. Guidance on destruction of classified material in accordance with applicable Security and Environmental Regulations.
 - g. Assistance in hazardous waste segregation and disposal including identification of “UNKNOWN” substances.
 - h. Guidance/assistance on recycling.
 - i. Authorized steam-cleaning facility.
 - j. Authorized storage areas for heating fuel canisters at tent pads.
 - k. Tent stove cleaning at tent pads and Ammo Storage Holding Area North and South, POL contaminated ash disposal at Camp Kasserine/Cheb tent pads.
 - l. Before arrival and during training at GTA consulting services for Environmental Protection Programs.
3. For more information on Environmental Customer Service call DSN 475-7209 during duty hours (Monday - Friday 0730 - 1600 Hours) or the Fire Department, DSN 475-8303, after duty hours, on holidays and on weekends.

APPOINTMENT OF UNIT ENVIRONMENTAL COORDINATORS

1. Reference: USAREUR Reg. 200-1, 9 December 1993.
2. Effective Date: Immediately.
3. Purpose: To have a single point of contact for the Grafenwoehr Environmental Division at each training unit for environmental surveillance, cleanup and disposal operations. This is to comply with German and US Environmental Law, for the training period at Grafenwoehr Training Area.
4. Period: As indicated on the attached Appointment Sheet, Encl 1.
5. Background: The surveillance and implementation of the constantly increasing US and German environmental requirements cannot be performed alone by the Grafenwoehr Environmental Division with its limited staff. Each training unit contributes to the accomplishment of environmental tasks. Therefore, it is necessary to appoint an Environmental Coordinator/Alternate for limited environmental tasks within each unit/activity. The person appointed should be reliable and have sufficient authority within the unit to perform duties correctly, and to provide appropriate information to the DPW Environmental Division or other agencies (i.e. Fire Department), in emergency situations. The Environmental Coordinator is designated during the inbriefing, at the BSB DPW Troop Billeting Office.
6. Tasks:
 - a. Daily environmental inspections of unit motor parks, tank parks, and maintenance areas occupied for POL spills.
 - b. Maintain sufficient supplies of dry sweep, absorbent hoses and shovels for emergency situations.
 - c. Proper storage of correctly identified Hazardous Waste (HW) and Hazardous Materials (HM) containers.
 - d. Frequent inspection of HM and HW containers for leaks.
 - e. Reporting of identified deficiencies to the DPW Environmental Division, DSN 475-7209.
 - f. The Unit Environmental Coordinator/Alternate should be familiar with the content of this SOP and be able to provide instructions to other unit members on proper environmental procedures at Grafenwoehr Training Area.

APPOINTMENT OF UNIT ENVIRONMENTAL COORDINATORS

UNIT NAME: _____

HOME STATION: _____

MAJOR COMMAND: _____

UNIT COMMANDER: u _____

TEL. # OF UNIT COMMANDER IN GRAFENWOEHR: _____

RANK/NAME OF ENVIRONMENTAL COORDINATOR:

RANK/NAME OF ALTERNATE:

TELEPHONE NUMBER AT GTA: _____

AREA OF RESPONSIBILITY (TANK PARK, MOTOR PARK):

TRAINING PERIOD AT GTA: _____

SIGNATURE OF UNIT COMMANDER

MANAGEMENT OF SPILLS SPILL PREVENTION, REPORTING CLEANUP AND DISPOSAL

1. A spill is any uncontrolled discharge of petroleum, oil and lubricants (POL), hazardous material or any other water endangering substance onto soil, ground or into a body of water. Accidental release of POL or any other hazardous substance results in the contamination of soil and ground water if the spill is not cleaned up immediately. Therefore, always keep in mind:

ONE LITER OF POL CAN CONTAMINATE 1,000,000 LITERS OF WATER!

2. Individuals who discover POL or any other hazardous substance spilled, immediately inform:

DURING AND AFTER DUTY HOURS:

Grafenwoehr Fire Department, Bldg. # 521, Tel. # DSN 475-8303. Only in extreme emergency cases call 117. The Fire Department is manned at all times and will immediately inform

**Grafenwoehr Environmental Division, Bldg. # 329, Tel. # DSN 475-7209,
Monday - Friday from 07.30 to 16.00 hours.**

FOR DOWN RANGE SPILLS:

Range Control, Tel. # 475-6332/6122, or over the radio, FM 46.650/55.200. The Range Control Firing Desk is manned at all times.

3. Reporting shall contain as a minimum:

- a. Name, rank, unit, telephone number of person calling.
- b. Location of spill.
- c. Amount and substance spilled.
- d. Discovery date and time.
- e. Contamination of a sewer/storm sewer line, body of water?
- f. Grid coordinates.
- g. Is a discharge into a stream or lake likely?
- h. Condition of the terrain (slope, vegetation, soil texture).
- i. Discharge/possible discharge on NON-US controlled property?
- j. Substance/amount spilled.
- k. Was the spill stopped?

4. The Fire Department will, if essential, immediately call:

a. the Grafenwoehr Environmental Division, DSN 475-7209 and ask for the Installation on Scene Coordinator (IOSC).

b. If POL or other hazardous substances discharged or could discharge onto NON- US controlled properties, the German Police Station at Eschenbach, telephone 09645-365 will be informed by the IOSC or the Fire Department. Prior to release of any information, approval must be obtained from the Commander 409TH BSB / Public Affairs Officer, DSN 476-1600. After duty hours and on weekends call the Staff Duty Officer who then will notify the Commander and Public Affairs Officer.

5. Spill Prevention: In order to avoid spills observe the following directions:

a. Perform maintenance only at designated maintenance areas at the Main Camp / Field Camps or at the 9 Range maintenance areas or on paved Range Areas.

b. Refuel vehicles on paved ground only!

c. Never refuel vehicles in the vicinity of creeks, ponds or sewer line inlets.

d. Place drip pans under vehicles during refueling.

e. Place drip pans under parked vehicles.

f. Store POL containers (also empty containers) on paved ground or in catch basins only.

g. Used oil is disposed into used oil tanks existing at each hardstand, motor park and tank park. It is prohibited to dispose of used oil into sewer or into open ditches!

6. Cleanup of a POL/Hazardous Substances Spill is the responsibility of the causing unit, under supervision of the DPW Environmental Division! Therefore, if you have a spill, you will:

a. Take immediate action to stop, contain and cleanup the spill to the best of your ability and wait for further instructions from the Environmental Division.

b. Dispose of contaminated material and hazardous waste according to the instructions of the Environmental Division.

7. If the scope of cleanup is beyond the capability of the causing unit, support can be provided by:

a. The Environmental Division Contractor for removal/disposal of polluted soil.

b. DPW Buildings and Grounds Division.

8. POC for this action and all actions involving environmental problems is the Environmental Division, DPW 409TH BSB Grafenwoehr, DSN 475-7209.

USED OIL STORAGE BUILDINGS

1. All motor parks, tank parks, hardstands and the 9 range maintenance areas as well as the utility buildings on ranges are equipped with 5,000 l underground tanks. These tanks are located in special Used Oil Storage Buildings, with level indicators outside the building.
2. The Used Oil Collection Buildings at the Maintenance Areas are locked at all times. Keys for these used oil collection buildings are with the DPW Troop Billeting Office. Units who want to use the Maintenance Areas will report this in advance to the Troop Billeting Office. Reporting will be done in writing stating the exact date of use of a particular Maintenance Area. The request can either be hand carried or faxed, FAX # 475-8423. Units need to contact Troop Billeting Office, telephone 475-6300 for issue and return of the maintenance area. Troop Billeting personnel will open the used oil building and when the unit moves out they will inspect the used oil shed and lock it up again.
3. Only oil from vehicle maintenance can be disposed of in the 5,000 l Underground Used Oil Tanks:
4. As soon as the indicator shows that the storage tank is 50% full or a red warning light shows up, call the DPW Work Order Desk, Telephone DSN 475-6324.
5. In addition to the above mentioned used oil tanks DPW has a special tank reserved on main post for disposal of used oil and other POL products. However, this special tank may only be used upon prior coordination with the DPW Environmental Division, DSN 475-7209.
6. DO NOT DISPOSE OF the following materials in the Used Oil Tank:
 - a. Dry cleaners, solvents and antifreeze.
 - b. Gasoline, diesel, JP8.
 - c. Alcohols, acids, decontaminants.
 - d. Paints, any kind of oxidizers, toxic materials.
7. The following hazardous waste CAN be stored temporarily in leak proof containers inside the Used Oil Buildings.
 - a. POL products, such as JP8, diesel, gasoline, motor oil, transmission oil, grease, lubricants, brake fluid, wax.
 - b. Polluted dry sweep from spill cleanup in containers, boxes, bags.
 - c. Oil polluted rags, filters in containers, oily cans and oily canisters.
 - d. Polluted soil in containers.

8. The following hazardous wastes and hazardous materials CANNOT be stored in the Used Oil Tank Buildings:

- a. Paints, any kind of oxidizers, toxic materials.
- b. Alcohols, acids, decontaminants.
- c. Dry cleaners, solvents.
- d. Antifreeze.

All these materials must be stored in the Hazardous Waste/Material Sheds. SEE ANNEX E.

9. Always keep sufficient dry sweep on hand in case of a spill.

10. Clean building prior to move out.



Used Oil Tank Interior



Used Oil Tank - Outside

STORAGE REQUIREMENTS HAZARDOUS WASTE/MATERIAL

1. Hazardous Materials/Waste Categories:



2. How to identify a Hazardous Material or Waste.

a. Check the label on the container. The product name or symbols show you the hazard classification (see Encl # 1 for explanation of symbols).

b. If you cannot identify a substance, consult with the DPW Environmental Division DSN 475-7209 who can enter into the Hazardous Material Identification System (HMIS) and print the Material Safety Data Sheet (MSDS), (Stock Number, manufacturer and product number required).

c. If a substance cannot be identified at all, contact the Environmental Division and request an analysis of an "UNKNOWN" chemical substance.

3. Storage Facilities: Storage facilities exist at almost all motor parks/tank parks. They should be used for all types of hazardous materials and waste except POL products. Only at the 9 range maintenance areas can the Used Oil Building be used for the storage of all kinds of hazardous materials or hazardous waste. Dispose used oil into the used oil tank. Store POL products on the grid inside the Used Oil Tank Building. See also ANNEX D.



4. Mandatory Requirements for Storage:

- a. Adequate access
- b. Fire fighting equipment
- c. Absorbent material

5. General Storage Rules:

- a. Stack materials in a safe manner (e.g. on metal racks) with labels clearly visible.
- b. Follow general fire prevention rules.

- c. Store materials of the same group together (except reactive substances, see para 6).
- d. Arrange storage in a manner that prevents chemical reactions of the different hazardous material groups.
- e. Storage areas must have different sections for flammable, corrosive, reactive and toxic materials. ASK THE ENVIRONMENTAL DIVISION IF YOU HAVE PROBLEMS CLASSIFYING THE MATERIALS.
- f. Mark and label different materials properly.
- g. Leave sufficient access space.
- h. Ensure that the ventilation openings are not blocked.
- i. Drums with potential to leak (e.g. rusted/cracked) must be placed in drip pans.
- j. Ask the Environmental Division for drip pans/overpacks if necessary.

6. Rules for Co-Storage of Hazardous Materials.

- a. Never store reactive materials together in one location (acids, bases, STB, DS2).
- b. Never store toxic with flammable/explosive materials.
- c. Never store pressurized gases with explosive/flammable materials.
- d. Never store pallets or sawdust with flammable hazardous materials.

HAZARDOUS WASTE SEGREGATION, RECYCLING AND DISPOSAL

1. Each military unit training at GTA will appoint an Environmental Coordinator, (see ANNEX A). Among other duties, this person is responsible for the collection, storage and segregation/recycling of hazardous waste in accordance with applicable Environmental Laws.
2. Each used oil storage building at the motor parks/tank parks and maintenance areas is equipped with the following labeled containers for collection of hazardous waste:

Quantity	Size of Container	Type of Hazardous Waste
1 ea	240 liter	Contaminated Absorbent Material
1 ea	240 liter	Contaminated Oil / Fuel Filters
1 ea	240 liter	Oily Rags
1 ea	240 liter	Empty Oil Cans
1 ea	240 liter	Contaminated Fuel
1 ea	200 liter	Antifreeze in Catch Basin

When containers are full take them to the Sanitary Landfill and empty them into the proper containers. Return the empty containers to the Used Oil building as indicated above. If you need additional containers please call the Environmental Division DSN 475-7209 or 7048.

3. Segregation. Segregation of hazardous materials/waste is very important and critical. Always put hazardous waste into the correspondingly labeled containers. Don't mix substances that you cannot identify, because a chemical reaction may occur which could create a fire explosion or toxic gases. Hazardous waste and other waste not mentioned in para # 2 may be disposed of at the following collection points:

- a. The GTA Sanitary Landfill is the main collection point for all segregated and recyclable hazardous waste. The disposal at the sanitary landfill is controlled by a guard. This inspection is required by German Environmental Law. The following hazardous waste is accepted at the landfill during normal operation hours, which are:

Monday, Tuesday, Thursday, Friday from 0800 hours to 1200 hours
and from 1245 hours to 1530 hours
Wednesday 0800 hours to 1200 hours

Hazardous Waste Accepted:

POL Contaminated Solids, POL Contaminated Filters
POL Contaminated Absorbent, Antifreeze
Paint Sludge, Paint Solidified
Grease Automotive, Aerosol Cans
Halogenated Solvents, Empty Plastic Cans

Empty Metal Cans, Batteries Lithium
Batteries Magnesium, Batteries Nickel-Cadmium
Batteries Dry Cell, Batteries Lead Acid (Vehicle Batteries)

- b. DRMO Grafenwoehr accepts the following items with completed DD Form 1348-1

Scrap Metal, aluminum, iron, tank tracks

Concertina /barbed wire

Empty steel drums:

Must be steam cleaned and triple rinsed before turn in and marked "XXX" with permanent marker/stenciled "Triple Rinsed, XXX"

- c. Ammunition Supply Point (ASP) accepts the following items:

Small arms expended rounds, casings.

Expended smoke pots

Wire bound small arms, ammunition boxes treated with PCP.

Wooden ammo crates

Powder containers

Grommets, steel

105 mm casings (brass and steel)

Nose plugs

Lifting plugs

120 mm base plates

Links, ammo steel

- e. Troop Issue Subsistence Activity (TISA):

(1) Return excess tray pack entrees (T-rations) to home station and integrate into rations at home dining facility. Do not turn in to TISA.

(2) Perishable food items will be turned in if cases are unopened, e.g. extended shelf life milk.

4. Transportation of Hazardous Material/Waste.

a. Transport hazardous material and waste in tight, secure containers, sealed and labeled. Containers must be secured against tilting and shifting.

- b. Never mix reactive materials (acids, bases, oxidizers, reducers toxics and flammables).

c. At least one bag of absorbent material, an empty drum or heavy duty trash bag, including shovel or broom and dust pan, must be carried on the vehicle to contain unexpected spills.

d. The driver must have a driver's license and a special permit for the transport of hazardous substances.

e. If hazardous materials/waste are transported over public roads the driver is required to carry certain documents in the vehicle.

- f. The vehicle must be properly placarded.

5. Rejection Costs. Acceptance will be denied for hazardous substances shipped to the disposal plant which are improperly segregated or identified, or if the hazardous waste is mixed with garbage, or contains explosives. All costs incurred with the rejection of the entire truck load will be billed to US Forces. However rejection costs will be tracked back by military personnel to determine the Unit causing these avoidable costs. The causing unit will be held liable to reimburse these costs.

WHEN IN DOUBT ABOUT THE DISPOSAL OF YOUR HAZARDOUS WASTE
CALL
ENVIRONMENTAL OFFICE GRAFENWOEHR DSN 475-7209!
YOU WILL GET HELP!

SOLID WASTE RECYCLING

1. Solid Waste Recycled at GTA.

- a. Metals.
- b. Light metal cans/aluminum.
- c. Cardboard.
- d. Paper.
- e. Construction debris.
- f. Grease from deep fat fryers. (Through main dining facility)
- g. Edible Garbage (through Food Service).



2. Central Collection Point: Entrance gate sanitary landfill, Grafenwoehr. Wastes have to be correctly segregated and placed in the right container.

3. Materials recycled at the GTA Field Camps:

- a. Cardboard, in 5 cbm containers, placed at each messhall.
- b. Metal cans, in 1.1 cbm containers, placed at each messhall.
- c. Plastic in Yellow Bag, in 1.1 cbm yellow container placed at each messhall.

Each motor park/tank park has trash containers for trash only and 1.1 cbm containers for paper and cardboard combined!

4. Materials recycled at the Firing Ranges:

- a. Cardboard, in 5.0 cbm containers, placed at the maintenance buildings.
- b. Metal cans, in 1.1 cbm containers, placed at the maintenance buildings.
- c. Each Range has its own trash container.

5. Scrap wood and construction debris must be taken to the Grafenwoehr Sanitary Landfill (operation hours in ANNEX "I"), and disposed according to the instructions of supervising personnel. For any questions, contact DPW Utilities Div. at DSN 475-7144.

DESTRUCTION OF CLASSIFIED MATERIAL

1. Reference AR 200-1 and AR 380-5
2. Based on referenced Army Regulations, training units may not destroy classified material at Grafenwoehr by burning. Recommend classified material be destroyed at the unit's home station or bring appropriate destruction equipment, such as shredders, to Grafenwoehr. For exceptional cases, which necessitate an immediate destruction of secret materials or documents contact the 409TH BSB Security Officer, telephone: DSN 475-7455.

SANITARY LANDFILL OPERATION HOURS/AUTHORIZED DISPOSAL

1. Refuse/recycling services for the Grafenwoehr Field Camps include pickup of refuse (Monday, Wednesday and Friday) and cardboard (on call). Each battalion area has two large 5 cbm refuse containers and one large 5 cbm brown cardboard recycling container. Enclosure 1 provides simple rules for refuse disposal/recycling. By adhering to these rules you will have no trash problems. Trash overflow resulting from failure to recycle will not be picked up by the contractor. Overflowing trash must be hauled by the training unit to the sanitary landfill.

2. When transporting refuse to the sanitary landfill ensure waste is separated into recyclable material (metal, cardboard, paper, wood), hazardous waste (oil, paint cans, dry batteries, etc.) and trash. To save time at the landfill separate waste on the truck in this order, so recyclable materials and hazardous waste can be unloaded first.

ALWAYS MAKE SURE THAT WASTE IS FREE OF AMMUNITION!

3. The disposal at the sanitary landfill is controlled by a guard. This inspection is required by German Environmental Law. Trash is disposed of during the landfill operation hours, which are:

Monday, Tuesday, Thursday, Friday	from 0800 hours to 1200 hours
and	from 1245 hours to 1530 hours
Wednesday	from 0800 hours to 1200 hours

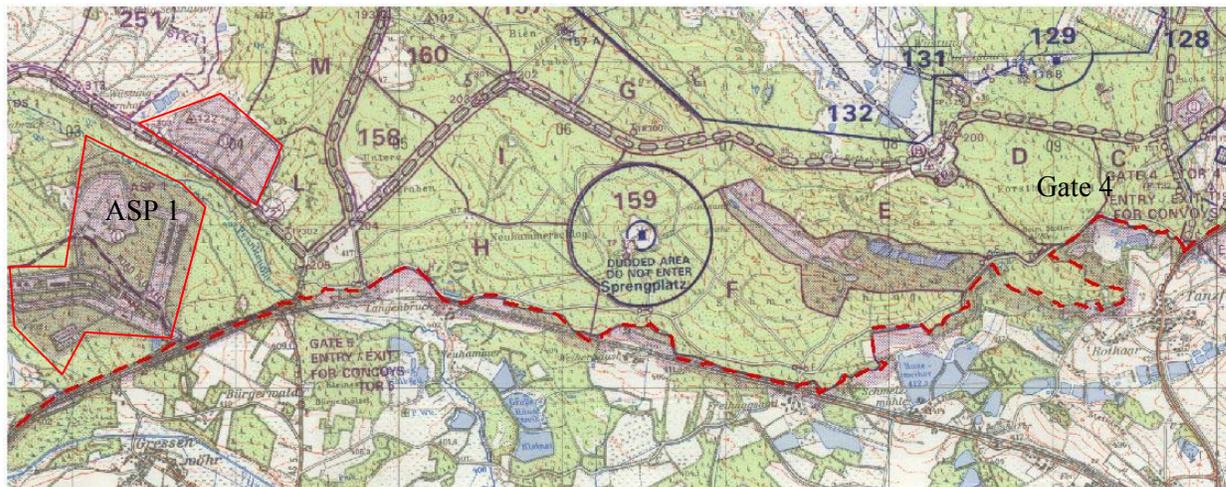
4. For any additional questions contact the DPW Utilities Division at DSN 475-7144.

REFUSE / RECYCLING STANDARDS FOR TRAINING TROOPS

- REDUCE REFUSE.
 - DO NOT THROW EXCESS MATERIAL / FOOD IN THE TRASH CAN.
TURN IN THOSE ITEMS AT YOUR SUPPLY OR LOGISTICS ACTIVITY.
- SEPARATE CARDBOARD.
 - CARDBOARD WILL BE COLLECTED IN SPECIALLY MARKED CONTAINERS.
BROWN WITH LABEL "CARDBOARD ONLY".
CARDBOARD AND TRASH MAY NOT BE MIXED.
- SEPARATE METAL IN BLUE CONTAINERS.
 - ANY METAL CANS ARE ACCEPTED - STEEL OR ALUMINUM.
CANS SHOULD BE RINSED.
PAPER OR PLASTIC LABELS ON CANS MUST NOT BE REMOVED.
CANS SHOULD BE SMASHED. THIS SAVES CAPACITY AND TAX DOLLARS.
EMPTY SPRAY CANS, (NON-HAZARDOUS) SUCH AS WHIPPED CREAM AND
SHAVING CREAM.
- SEPARATE PLASTICS IN YELLOW CONTAINERS.
 - MILK AND DRINK CARTONS.
PLASTIC BOTTLES
CLEAN PLASTIC CUPS AND PLATES
STYROFOAM
- NO OVERFLOW OF CONTAINERS.
 - EXCESS TRASH (OVERFLOW) MUST BE HAULED BY THE UNIT TO
THE SANITARY LANDFILL.
 - LANDFILL IS OPEN MONDAY, TUESDAY, THURSDAY, FRIDAY FROM
0800 - 1200 HOURS, AND FROM 1245 - 1530 HOURS.
WEDNESDAY FROM 0800 TO 1200 HOURS ONLY.

DISPOSAL OF AMMUNITION BOXES AND PALLETS

All ammunition boxes and pallets broken or unbroken must be disposed at the ASP # 1 vicinity Rose Barracks. The location of this site is indicated on the map below. Follow the tank trail to Gate 4, and then proceed on tank trail as indicated on the map.



WASHRACK OPERATION RULES USE OF STEAM CLEANERS

1. The operation hours for the Grafenwoehr washrack are:

The washrack is open every day from 0800 to 1530 hours including weekends and holidays.

2. Exceptions to this schedule must be requested in writing 48 hours in advance at the Directorate of Public Works, Utilities Division.

3. The operation procedure at the washrack is as follows:

- a. Prewashing of vehicles at spray stands.

- (1) Unit will provide chain of command supervision and assure a quick flow through the facility.

- (2) Waiting line will form at old washrack "C" to prevent obstructing traffic on the tank road.

- (3) The first vehicle in the line must be ready to proceed.

- (4) Ground guide must be used to enter the spraystand.

- (5) Vehicles must enter the spray stand slowly as traffic signal turns "GREEN".

- (6) Vehicles must stop as traffic signal turns "RED".

- (7) Vehicle chassis will be prewashed by spray mechanism.

- (8) Spray stand time per vehicle is 6 minutes maximum.

- (9) Vehicle must leave spray stand as traffic signal turns "GREEN".

CAUTION: SPRAY STAND OPERATES AT HIGH PRESSURE , 70-140 PSI.
Horseplay is not tolerated. Fasten loose equipment to vehicles.

- b. Cleaning of engine compartments at steamer station:

- (1) Steamer station is located North-West of spray stands. Use is only for cleaning engines and engine compartments.

- (2) Before use of steamer station remove sludge and dirt from vehicle either at spray stand or at hose wash platform.

- (3) Report to washrack attendant to get instructions for using the steam cleaner.

(4) Use of detergents and cleaners is strictly forbidden.

(5) Clean your area before departure.

c. Washing at hose stand:

(1) Only head-in parking is permitted.

(2) Traffic flow is from West to East (one-way traffic).

(3) Do not block the middle of the hose stand area.

(4) Use South side (longer side) until full. This reduces our maintenance requirements and allows us to provide better service.

(5) Long Vehicles, especially those with trailers, should use the East end only. This will prevent blockage of the hose stand.

(6) Always use ground guides while backing.

d. Leaving Washrack:

(1) Before departure, clean your area.

(2) Use receptacles for trash. Do not throw trash in either settling basin.

(3) Leave the washrack at East end.

e. Feedback is encouraged:

(1) Report problems to the washrack attendant immediately.

(2) Suggestions to improve operations are welcome.

HEATING FUEL CANISTER STORAGE AMMO HOLDING AREA NORTH AND SOUTH

1. GTA made significant attempts during the past years to make the canister storage sheds at the South and North AHA environmentally safe. Thousands of dollars of environmental compliance funds were spent to prevent spills of heating fuel from cans to feed the tent stoves.
2. The storage sheds are only effective in preventing soil and water pollution if used properly. Training units must adhere to the following rules:
 - a. Set tents up only at the designated concrete tent pads.
 - b. Store fuel cans only inside the sheds on the metal grate.
 - c. Fuel line connections between the fuel can in shed and the stove must be tight.
 - d. Spilled fuel from the canister shed catch basins will be cleaned up. Contaminated soil, if any, will be excavated before the unit leaves the AHA. Disposal can be made at the following locations:
 - (1) Contaminated heating fuel in the used oil tank building of Range 112 (for North AHA), contact Range 112, Tel.: DSN 275-6293, and Maintenance Area # 2 (for South AHA), contact Range 206, Tel.: 476-2406 to open the used oil storage building.
 - (2) Contaminated dry sweep and contaminated soil in containers behind the Fire Department, Bldg. 521, Main Post.
3. Report spills immediately to the Grafenwoehr Fire Department DSN 475-8303. If the Fire Department cannot be reached over the phone, contact GTA Range Control on the radio. For further information see ANNEX "C", "Spill Prevention, Cleanup and Disposal".
4. Units have to check in at Range 101 (North AHA) and Range 204/206 (South AHA) before they set up tents at the AHA. They can leave the AHA after check out by the Range Meister or his representative, responsible for the respective AHA.

REFUELING GUIDELINES - GENERAL AND FOR FARP SITES

When performing any kind of refueling, be aware that you are handling a water endangering substance which is a threat to soil, groundwater and surface water and can become a hazard to animal and human life, if spilled.

1. GENERAL REFUELING GUIDELINES.

a. Refueling operations are not allowed in the vicinity of drinking water wells (See Enclosure 1).

b. Use paved areas for refueling or cover unprotected soil with absorbent towels, drip pans or any other material that prevents contamination of soil.

c. Never refuel in the vicinity of surface waters (i.e. ponds, lakes, streams, ditches) or sewer line gullies.

d. Make sure that you have sufficient POL absorbent material (2 bags minimum) on hand during refueling operations.

e. First put absorbent towels and then plastic foil around fuel hose connections to catch dripping fuel.

f. Clean up spills immediately and dispose of contaminated soil in compliance with ANNEX C of this SOP.

g. Dispose of contaminated absorbent towels in containers for contaminated rags.

2. REFUELING EXERCISES WITH FUEL BAGS.

a. Perform refueling exercises with fuel bags only at designated areas constructed for this purpose.

b. Should refueling at other locations be necessary, place fuel bags always inside of soil catch basins protected by single sheet plastic cover to prevent contamination. The catch basin and the fuel bag have to be covered by a plastic liner to prevent filling of the catch basin with rain water.

Soil Catch Basin for Fuel Bags



- c. Before leaving, contact the Environmental Division to check the soil for possible contamination.
- d. If no contamination is found, the Environmental Division will instruct you to remove the soil catch basin.
- e. Contaminated soil must be disposed of in accordance with instructions from Environmental Division. (See ANNEX C).

3. REFUELING AT FARP SITES

- a. At FARP Sites equipped with a roof-covered concrete catch basin for fuel bags, place the fuel bags always inside the catch basin.
- b. Open the roof cover only for placement of fuel bags, otherwise keep the roof closed to prevent filling of the catch basin with rain water.
- c. Call Utilities Division, DSN 475-7144 to get the catch basin emptied, if necessary.
- d. Clean the concrete catch basin from garbage, sand and dirt and close the roof cover and the doors before you leave the Site.

4. For further information contact Grafenwoehr Environmental Division, DSN 475-7209.

DISPOSAL OF CONTAMINATED DIESEL / GASOLINE, POL/WATER MIXTURE, ABSORBENT AND SOIL

1. Contaminated Diesel, JP8 and /or Gasoline can be disposed of at a special collection tank near building # 456. However, before disposal, the DPW Environmental Division must be contacted. The capacity of this tank is limited, only small quantities (up to 200 liter per delivery) are accepted. Quantities over 200 liters are collected in drums and stored until removed as directed by the Environmental Division.
2. The above mentioned facility is not suitable for the disposal of POL contaminated with gravel, garbage or any other kind of solid substances. Contact DPW Environmental Division for disposal of POL contaminated with solids.
3. POL/Water Mixture is disposed of at a special POL separator near bldg. # 456. Before disposal obtain approval from the DPW Environmental Division. Do not proceed on your own and do not enter the area as the POL separator (which is underground) will be destroyed!
4. Disposal of polluted dry sweep: In containers, located at the GTA Fire Department, Bldg. # 521, or at the entrance to the GTA Sanitary Landfill (please coordinate first).
5. Disposal of polluted soil and gravel: According to instructions of the DPW Environmental Division, at the treatment facility located behind the Central POL Separator (Bldg. # 348). Before disposal the DPW Environmental Division must be contacted for preliminary oil tests.
6. Access to the contaminated soil treatment area: Contaminated soil can be delivered from Monday thru Friday, from 0730 hrs to 1600 hrs. The storage area is fenced-in and locked. The key can be obtained from the DPW Environmental Division during duty hours, and in emergency cases from the Fire Department.

CLEANUP OF TRAINING SITES

Before you leave a Training Site ensure:

- a. You take all solid waste with you and dispose it of in an appropriate manner.
- b. All Hazardous Waste is removed in compliance with environmental requirements.
- c. You take all Hazardous Material with you.
- d. All contaminated soil is excavated and taken to the DPW storage area .
- e. All Barriers, concertina and communication wires are removed.
- f. All wires from Wire Guided Missiles are removed.



Barrier, concertina, communication and missile wires are a serious safety hazard to men and wildlife.

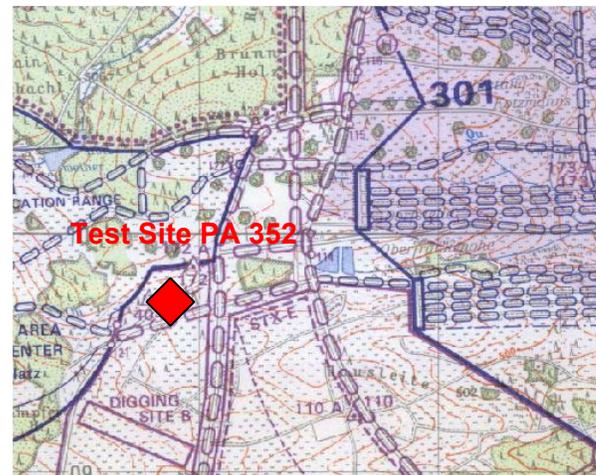
For additional information contact the Grafenwoehr Environmental Division,
DSN 475- 7209.

EROSION PREVENTION

1. GTA has made significant progress during the past years in correcting existing and preventing further erosion damages. Several hundred thousand dollars of US tax money were spent to keep GTA green while providing a realistic training environment.
2. To continue this successful work, we need your help. Specific attention to a few simple rules tremendously improves our training environment:
 - a. Avoid all designated erosion endangered areas (see attached map). They are identified with combinations of poles, yellow and red signs and rocks, and should not be driven on. If poles are knocked down, contact the DPW Environmental Division to obtain new ones.
 - b. Avoid maneuver damage, such as destruction of streambeds, excessive digging or destruction of trees, bushes and shrubs. High speed turns with tracked vehicles cause serious damage in a short time.
 - c. Repair damages or contact DPW Environmental Division if you need help.
 - d. Large-scale maps, showing the exact locations and coordinates of restricted areas can be obtained upon request from the DPW Environmental Division
3. GTA Range Operations performs regular inspections to ensure compliance with these basic erosion control rules. They contact the units responsible for damage to repair those damages that can be fixed (e.g. replacing poles, etc.) or arrange unit funds for more comprehensive repair projects.
4. For further questions concerning the GTA Erosion Control Program, contact the Environmental Division Grafenwoehr at DSN 475-7209.

PROTECTION OF RESEEDING TEST SITES

1. Grafenwoehr Environmental Division has established three reseeded test sites, marked on the map below. The purpose of these test sites is to find the best seed and fertilizer mixtures for the three major types of soil within the training area and to test the resistance against military traffic. The goal is to ensure that maneuver areas are reseeded with seed and fertilizer mixtures that guarantee a maximum resistance against all kinds of training activities and to reduce the closure cycles of maneuver areas for reseeded purposes.
2. Please ensure that the test site fence and the test site itself are not destroyed and no garbage is thrown onto the test sites.
3. Report any damages to the fence including holes in the fence immediately to the Grafenwoehr Environmental Division, telephone: DSN 475-7209.
4. At the test site STX B the fence may be put down during air drops, however, immediately after completion of the air drops the fence must be put up again.



PROTECTION OF NON-TRAINING SITES

1. Non-Training sites are located within GTA. Many of them are dilapidated, but the protection of the most significant sites is of highest concern to the Command. Therefore, anyone training at GTA will treat the following sites with respect and dignity and avoid any destruction to these sites.

a. Wolfschuetzenkapelle (Wolf Protection Chapel), GTA Map Coordinate: 055 048. This chapel dates from the 17th century and is dedicated to the Holy Trinity.

b. Bleidorn Tower, GTA Map Coordinate: 0445 0580. This tower was built in 1926. It is 21 meters tall and located on Schwarzenberg hill, elevation 536 meters.

c. Village of Haag and Haag Cemetery, GTA Map Coordinates: 9945 0640 and 9920 0650. This village dates back to 1123 AC. It was evacuated during the expansion of the training area between 1937 and 1939. The remains of the village include a church monument, cellars, a cemetery, and portions of beer cellars. Some of these cellars are sanctuaries for the bat population.

d. Hopfenohe Church, GTA Map Coordinate: 942 086. This church dates to the 11th century. The village was evacuated during the expansion of the training area 1937 to 1939.

3. There are numerous other sites within the training area, i.e. wayside shrines, statues, test bunkers, church ruins, caves, and natural monuments like old trees, etc. Training units will avoid these sites.

4. For further questions contact the Grafenwoehr Environmental Division, DSN 475 - 7209.

APPREVIATIONS / EXPLANATIONS

ABSORBENT MATERIAL - All materials that have the capability to suck up or retain spilled hazardous materials. Generally “dry sweep” or “ECUPERL” (a German product) or sand are used within USAREUR.

CONTAMINANT - Any substance with the potential to contaminate soil, bodies of water or negatively affect the human health.

CORROSIVE SUBSTANCES - Acids and bases corrode or “eat” through metal and destroy skin tissue on contact.

DEFENSE REUTILIZATION AND MARKETING OFFICE (DRMO) - Responsible for the sale/recycling and disposal of common and hazardous substances.

DS2 - Decontaminating Solution No. 2, a corrosive base.

EMULSION - Mixture of two fluids that cannot be separated with gravity separation methods. Only chemical breakdown in emulsion cracking plants possible.

ENVIRONMENTAL COMPLIANCE FUNDS - Fenced funds provided for the implementation of environmental projects. Qualification criteria are established by the Department of the Army.

HALOGENATED HYDROCARBONS - Highly toxic and volatile substances that contaminate air, soil and bodies of water. Retainment only by steel catch basins or special coating. Concrete cannot retain halogenated hydrocarbons, they trickle through concrete.

HAZARDOUS MATERIALS (HM) - Any material that can harm human health or the environment.

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS) - Listing of HM in MSDS Format on CD.

HAZARDOUS WASTE (HW) - Hazardous material which is no longer usable.

IRRITANT SUBSTANCES - Produce lesions on the skin, in the eyes and the respiratory tract.

INSTALLATION ON-SCENE COORDINATOR (IOSC) - The individual who leads POL spill cleanup operations.

BASES - Corrosive substances (e.g. caustic soda, lime, DS2) which react with acids.

MATERIAL SAFETY DATA SHEET (MSDS) - A document provided by the manufacturer to inform consumer of the risks involved when using the product.

NEUTRALIZATION - Elimination of the hazardous character of a substance by adding other substances.

NOXIOUS WASTE - Substances with relatively low toxicity during a short contact time.

ORGANICS - Substances which have carbon products in their composition.

PETROLEUM, OIL AND LUBRICANTS (POL) - Fuel, oil, and grease, etc.

POL SEPARATOR - Facility which separates POL products from a water/oil/mud mixture.

PROTECTIVE CLOTHING / EQUIPMENT - Gloves, goggles, masks, rubber boots, aprons, impermeable clothing suitable to protect against a specific substance.

REACTIVE MATERIAL - Substance capable of building adverse chemical reactions with other substances.

SECONDARY CONTAINMENT - Facility or equipment for the safe retention of hazardous material spills (catch basins, drip pans, etc.)

SUPER TROPICAL BLEACH (STB) - A decontaminant. Consists of chlorinated lime with over 35% active chlorine content. It is an oxidizer.

TOXIC SUBSTANCES - Are harmful or fatal when swallowed or absorbed through the skin. Extreme caution should be used when handling these materials.

WATER ENDANGERING SUBSTANCES - Substances that can affect drinking water, ground water, surface water quality for a long time and endanger aquatic life, such as POL.

IMPORTANT TELEPHONE NUMBERS

409TH BSB DPW	475-1560
DPW OPERATIONS OFFICER	475-6325/8325
DPW ENVIRONMENTAL DIVISION	475-7209 / 7048
DPW UTILITIES DIVISION	475-7144
409TH BSB SAFETY OFFICE	476-1870
409TH BSB FIRE DEPARTMENT EMERGENCY NUMBER	475-8303 117
HEALTH CLINIC EMERGENCY NUMBER	475-1750 116
MILITARY POLICE EMERGENCY NUMBER	475- 1580 114
RANGE CONTROL	475-6332/6122
DRMO GRAFENWOEHR	475-7006/6384
SANITARY LANDFILL	475-6496

GERMAN AGENCIES CIVILIAN TELEPHONE NUMBERS

FIRE DEPARTMENT GRAFENWOEHR	112
POLICE STATION ESCHENBACH	110
COUNTY OFFICE NEUSTADT	09602-79-0
WATER OFFICE WEIDEN	0961-403-0