



**NEWCOMER'S ENVIRONMENTAL BRIEFING
US ARMY GARRISON KAISERSLAUTERN**



**Environmental Management
Division
Directorate of Public Works**

**Daenner Kaserne, Building 3104
1st Floor**

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NEWCOMER'S ENVIRONMENTAL BRIEFING

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Environmental Management Division Activities:

Air Emission

Drinking Water

Waste water

Hazardous Materials

Hazardous Waste

Solid Waste

Medical waste

POL, USTS

Noise

Pest Management

Cultural Resources

Natural Resources

Environmental Management
System

Lead Based Paint

Asbestos

Radon

Pollution Prevention

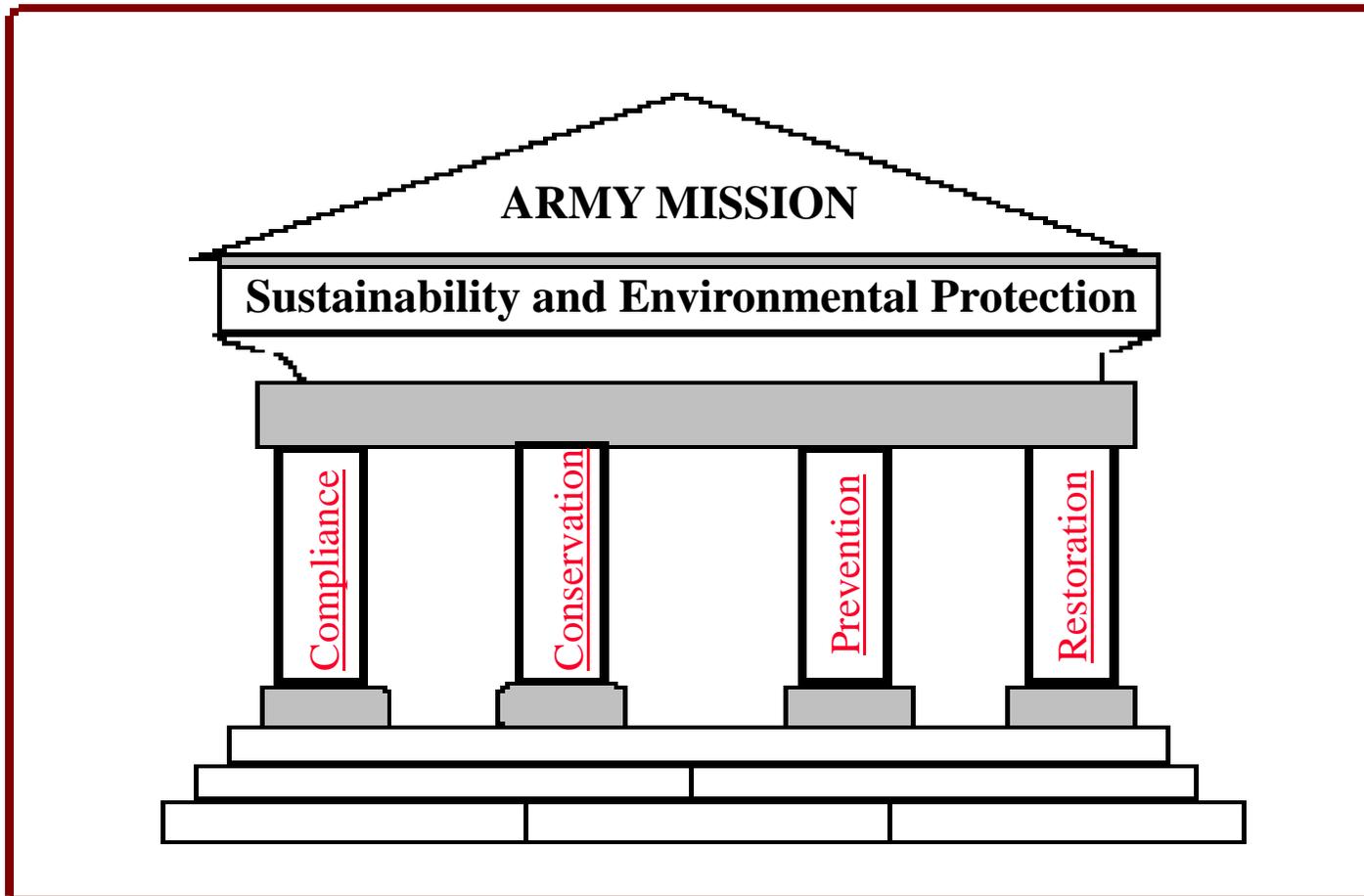


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Army and Environmental Protection





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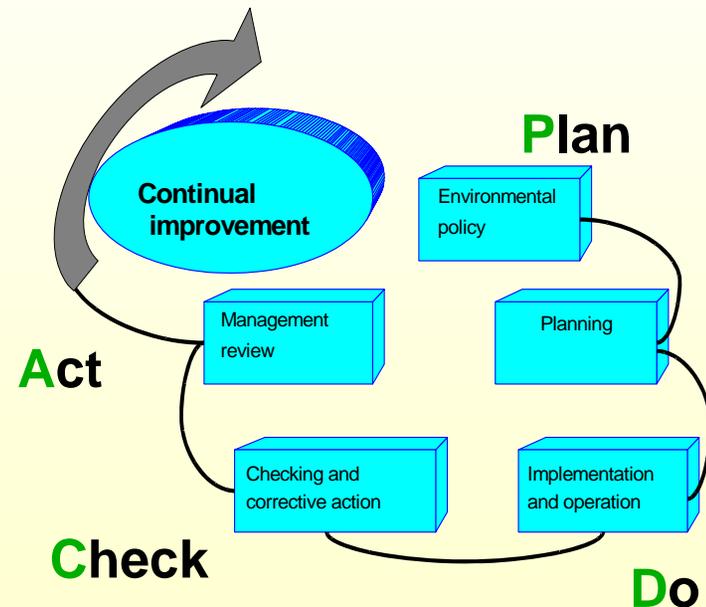
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Environmental Management System - EMS

ISO 14001 Management-Cycle

Garrison
Kaiserslautern is
ISO 14001
certified since
2005!



Current Objectives and Targets:

- Energy Reductions
- Hazardous Materials/Waste
- Environmental legal requirements
- Solid Waste



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WHY ENVIRONMENTAL PROTECTION?

Germany is half the size
of Texas, but has three
times the population



Therefore, the Germans must
carefully manage their
environment to insure that
their legacy will be left to
prosperity.



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German Environmental Laws

Regulations affect everyday life:

- Used oil turn in / Recycling sites
- POL (petrol, oil, lubricants) separators for parking lots
- Designated sites to wash vehicles
- Retailers responsible for disposal of excess packaging
- Mandatory recycling & sorting of wastes



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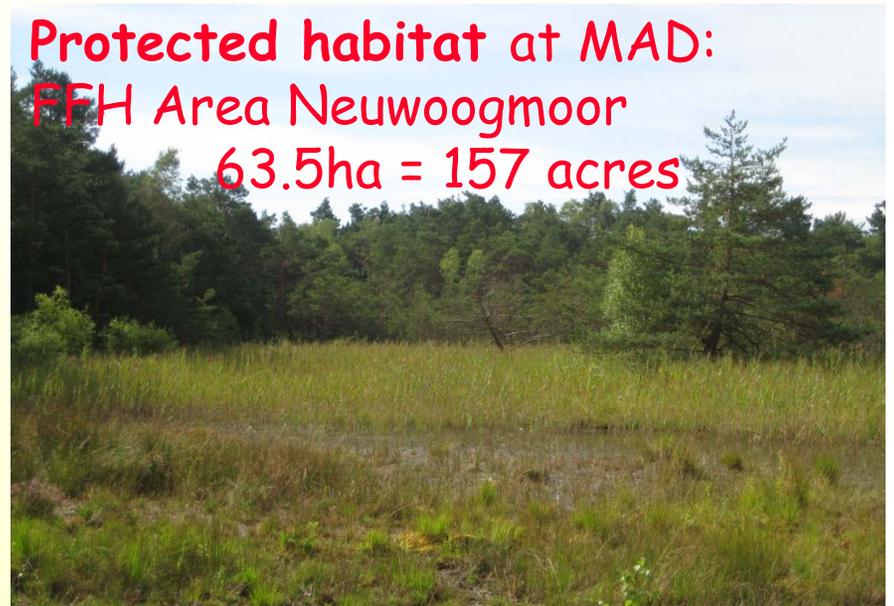


Natural Resources

NATURA 2000:

- based on Fauna-Flora-Habitat (FFH) Directive & the Birds Protection Directive
- **ecological network** to protect most seriously threatened habitats & **species** across Europe

Protected habitat at MAD:
FFH Area Neuwoogmoor
63.5ha = 157 acres



Protected species:
e.g. bats

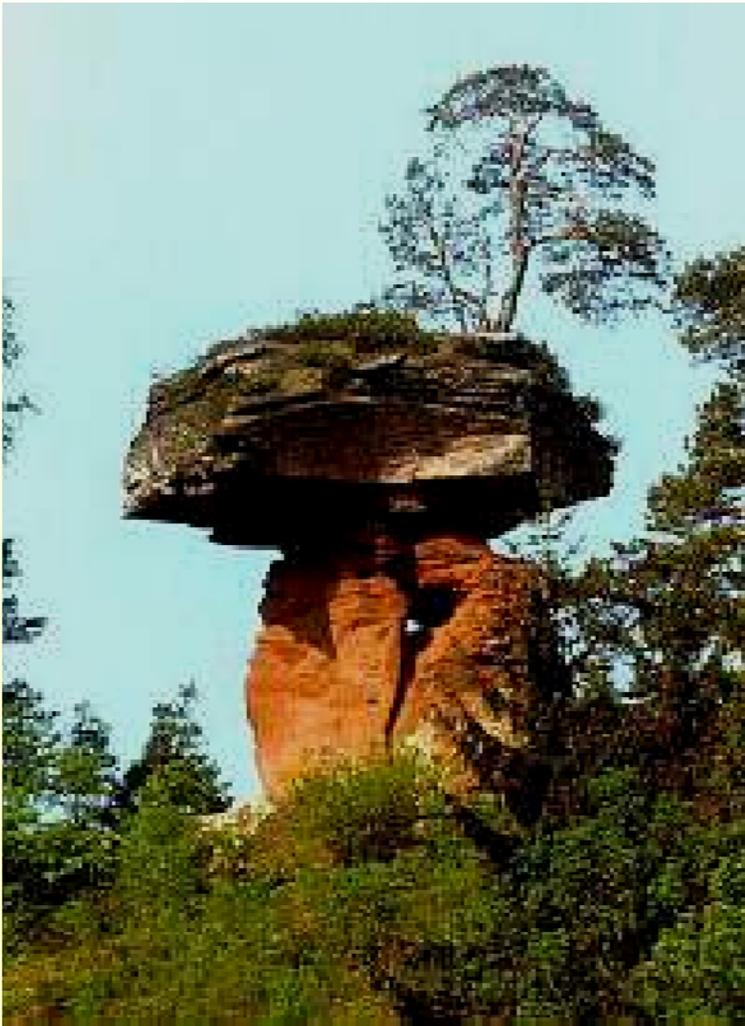


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Natural Resources



In the forest:

NO cutting down
trees/scrubs/branches

NO fires

NO disturbing animals

YES hiking

YES biking on designated trails

YES gathering chestnuts,
blackberries, mushrooms,
etc. for your **OWN** use



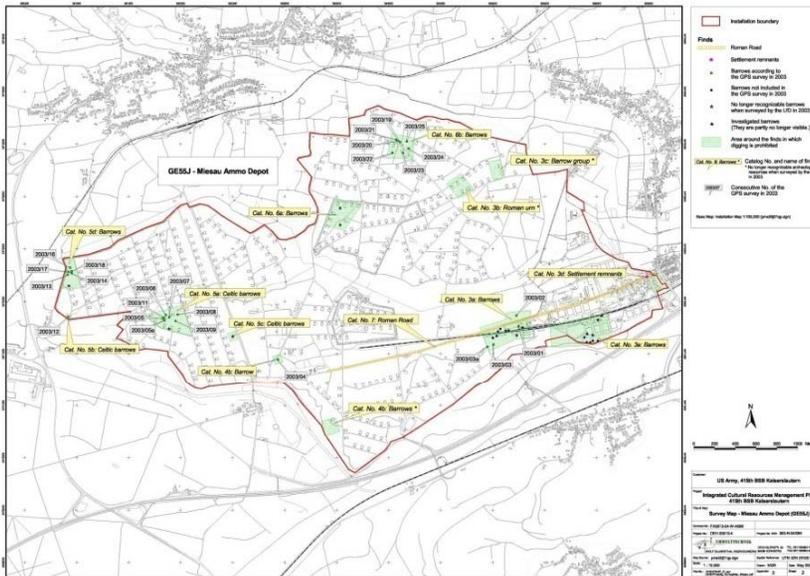
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Cultural Resources

Several protected historical sites exist within the USAG-K:

- A Roman road (ROB/MAD)



• Garrison-wide about 10 archeological sites with celtic/bronze age barrows, or barrow fields.

• Historical building ensemble (Kleber Kaserne)





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HAZARDOUS MATERIAL SPILL

In case you are ever involved in a

HAZARDOUS MATERIAL SPILL

please remember to REACT:

1. **R**_ remove source spill
2. **E**_ envelop the spill
3. **A**_ absorb and accumulate
4. **C**_ containerize
5. **T**_ transmit report



SPIII



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HAZARDOUS MATERIAL SPILL





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German Environmental Laws



Laundry operation over decades caused contamination of groundwater with **solvents and detergents** (Chlorinated Hydrocarbons, **CHC**).

Federal Water Protection Act: Prohibits release of water endangering substances to open ground/groundwater

Laundry was closed mid 1990's and installation returned to Host Nation.

Operation of **Groundwater clean-up plant** since mid 1990's.
Until 2006 approx. 13 t of **CHC** were pumped up, costs approx.
\$500K/year.



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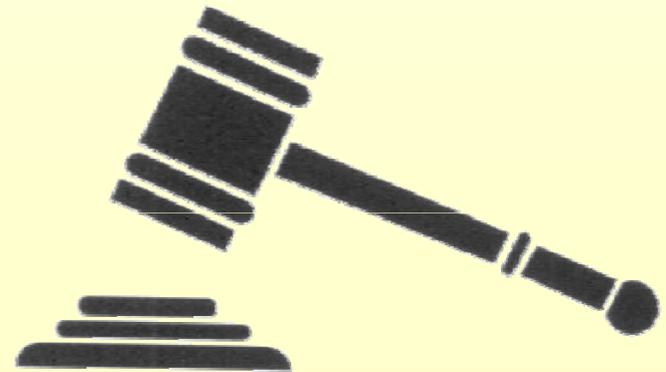


HAZARDOUS MATERIAL SPILL

If you fail to report a spill or accident:

You deliberately violate German Law.

You are guilty of gross negligence.





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Quiet Hours

Daily: 12:00-15:00
22:00-06:00

Sunday: All day

German Holidays: All day

- NO lawn mowers
- NO loud music or other noise
- NO loud power tools
- NO glass disposal
- NO car idling more than three minutes
- Do not disturb neighbors unless it is an emergency
- Do not let pets disturb neighbors



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Mandatory Recycling

- Paper
- Yellow bag (light metal and plastic)
- Glass
- Organic waste / Composting
- Electrical and electronic appliances
- Bulk waste
- Hazardous waste
- Medicines
- Residual waste (Restmüll)





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PAPER RECYCLING

YES

- Newspaper, magazines
- Office paper (white/color)
- Cardboard, pizza boxes
- Food boxes, egg cartons
- Junk mail/advertisements
- Phone books, envelopes,
- Paper plates/napkins/towels (LIGHTLY soiled with food)
- Paper bags
- All other products made only of paper

NO

- Tissues
- Wallpaper
- Carbon paper
- HEAVILY soiled paper
- Photos
- Milk or beverage packaging
- Baking pan liners
- Paper diapers
- Folders with metal or plastic



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PAPER RECYCLING





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PLASTIC/METAL RECYCLING

"Light Fractions" or Yellow Bag

YES

- Yogurt cups, shampoo bottles
- Styrofoam packaging
- Aluminum cans, spray cans
- Plastic bags and packaging
- Pet food cans, toothpaste tubes
- Milk and beverage cartons
- Juice boxes, take out cups
- Bottle caps, jar lids
- Foil packaging, pie tins, frozen food trays
- Compound packaging (made of 2 or more recyclable components, e.g. paper/plastic, plastic/foil, foil/paper, paper metal)



NO

- Toys
- Tupperware
- Video or cassette tapes
- CDs or DVDs

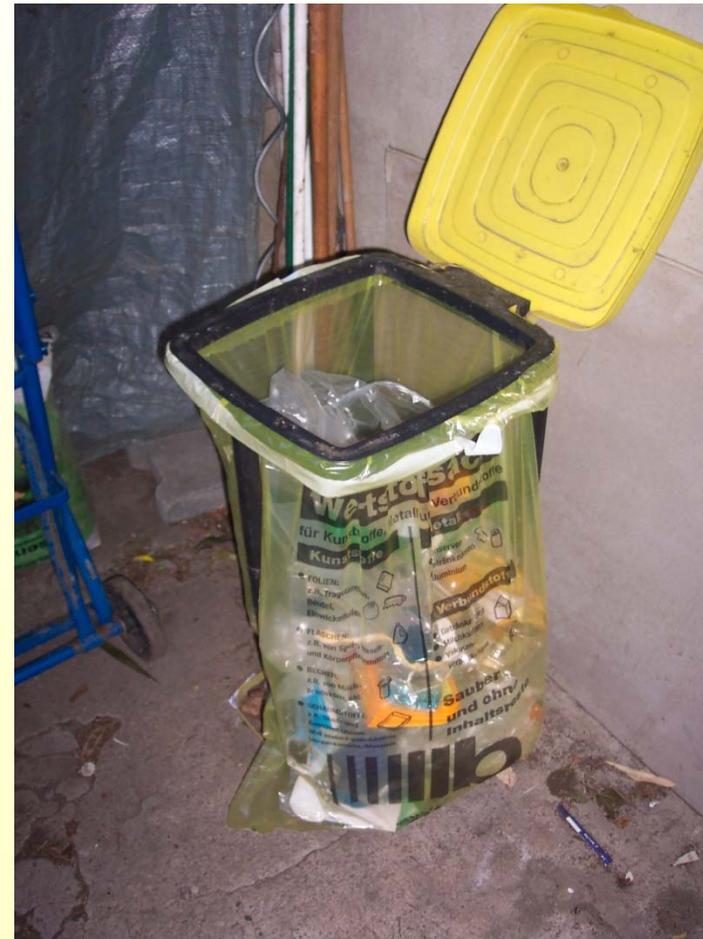


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Yellow Bag Recycling





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Glass Recycling

YES

- Soda bottles
- Beer bottles
- Juice bottles
- Glass jars
- Drinking glasses
- Wine and liquor bottles



NO

- Mirrors
- China, porcelain
- Crystal
- Auto or window glass
- Light bulbs





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Glass Recycling





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Organic (Bio) Waste

YES

- Garden waste, leaves
- Lawn clippings, weeds
- Kitchen waste
- Raw vegetables, fruits
- Coffee grounds and filters
- Tea bags
- Potted plants, nutshells
- Paper tissues

NO

- Meat
- Bones of any kinds
- Fish, chicken
- Cooked vegetables
- Cooked foods
- Plastic bags or wrap



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MANDATORY RECYCLING OF TRASH BULKY TRASH

(On Base - Call Installation Coordinator/Bldg Mgr.)

**(Off Base - Ask Landlord/call city disposal contact to
schedule pick-up 0631-365-3521**

German American Community Office 0631-363-3010

- **Furniture**
- **Carpets**
- **Mattresses**



**All government property must be turned in to DRMO
Electronic Scrap will be turned in at the Recycling Center**



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MANDATORY RECYCLING OF TRASH

Finally - "Trash" - Residual Waste (Restmüll)

- Carbon paper, printer/typewriter ribbons,
- Diapers, Kleenex
- Pottery/stoneware, fabric/clothing, string/rope
- Food wastes, paper/plastic soiled with food waste
- Glass items other than bottles & jars
- Other materials not listed as recyclable or hazardous
- City of Kaiserslautern trash-webpage:
- http://www.ask-kl.de/pic/garbage_guide_2011.pdf



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MANDATORY RECYCLING OF TRASH





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MANDATORY RECYCLING OF HAZARDOUS TRASH HOUSE HOLD HAZARDOUS WASTE

- Paint, Batteries of all types, Glues, Medicines
- Copier toner-large quantities, fluorescent tubes
- All oil products, lubricants, and antifreeze
- Nail polish/remover, Shoe/floor/car wax & polish
- Household cleaners w/warning or caution labels
- Rags/Plastic contaminated with oil/grease
- Containers having residue of the above materials





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Medicines

Expired Medicines Discussion:

1. Prescription Drugs - Excess or expired prescription drugs can be returned to the pharmacy where you got them. German Apotheke will take back German drugs.
2. Expired OTC drugs (AAFES) will take back expired OTC medicines (to any Main Exchange Store).
3. DECA does not take back expired meds (sold at Commissaries). They follow another rule that allows disposal in normal trash (Restmüll). Restmüll is burned not flushed down the toilet! (Note!!! Medicines have the potential to contaminate fresh water, so please don't flush them down the drain.)



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ASBESTOS MANAGEMENT

Asbestos is a family of fibrous silicate minerals. This material has a general tendency to break up into fine mineral fibers.

Non-airborne asbestos is not a health problem.

Air-borne asbestos inhaled into lungs can cause life threatening illnesses.



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ASBESTOS MANAGEMENT

- USAG-K has a proactive Asbestos Management Program
- Designated Asbestos Manager/Coordinator
- All buildings under the USAG-K have been surveyed
- EMD maintains a database with locations of most asbestos containing material.
- Contact EMD for concerns about your area.



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Questions

<http://www.kaiserslautern.army.mil/sites/directorates/DPW.html>

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