

**DRAFT CLASS 3 PERMIT MODIFICATION
HAZARDOUS WASTE TREATMENT PERMIT
U.S. ARMY GARRISON YUMA
EPA I.D. No. AZ5213820991**

This fact sheet was prepared in accordance with Arizona Administrative Code (A.A.C.) R18-8-271(E)(e) and R18-8-271(G). A fact sheet must accompany every Arizona Hazardous Waste Management Act (AHWMA) draft permit that the Arizona Department of Environmental Quality (ADEQ) has prepared that either raises major issues or involves a new facility. All references to A.A.C. hereafter refer to A.A.C. R18-8-260 et seq., made effective on September 5, 2015, which incorporates and/or modifies parts of Title 40 Code of Federal Regulations (CFR) Parts 260 et seq. (July 1, 2013 and January 31, 2014 Editions).

The Arizona Department of Environmental Quality (ADEQ) has prepared a draft Class 3 hazardous waste permit modification for the Yuma Proving Ground (YPG), Munitions Treatment Facility (MTF), operated by U.S. Army Garrison Yuma (USAGY), or Permittee. The MTF currently operates pursuant to a hazardous waste permit issued on June 29, 2007. The draft Class 3 permit modification updates the Permit's corrective action schedule of compliance, adds a table of solid waste management units (SWMUs) located on the MTF that are subject to corrective action, and updates the status of the corrective actions for these SWMUs.

FACILITY DESCRIPTION AND SITE HISTORY

The YPG base installation is approximately 40 km (25 miles) northeast by air from the downtown area of Yuma; approximately 288 km (180 miles) from San Diego, California, and approximately 200 km (125 miles) west of Phoenix, Arizona.

USAGY is a military research and development facility focused on testing and validating new weapons systems and improving the operational effectiveness of the U.S. armed forces. The MTF plays a key support role as it is used for destruction of the unserviceable, outdated, or obsolete munitions generated at YPG.

USAGY uses open burning (OB) and open detonation (OD), together referred to as OB/OD, to treat (destroy) its unserviceable, outdated, or obsolete munitions. OB/OD is a means to demilitarize many explosive items, to decontaminate explosives from large metal objects, and to reduce most combustibles to a smaller volume. OB/OD as conducted at the MTF is the safest method currently available for effective destruction, decontamination, and treatment of explosives and explosive wastes.

The MTF is located on the Kofa firing range at YPG. The OB/OD units at the MTF are within a fenced and secured area, located in a remote part of the active Kofa firing range. The actual areas for the OB/OD units are described in the Public Land Survey System as Sections 30 and 31 of Township 5 South, Range 19 West, Gila and Salt River Base and Meridian.

The explosive ordnance treated at the MTF is categorized as reactive and ignitable hazardous waste. It includes Class A and B explosives (e.g., propellant, bomb and rocket fuzes, projectiles, missiles, bombs). The ordnance is treated in five OD pits and two OB pads.

The OB area consists of two new burn pads, with stormwater retention basins attached, each with three burn pans (a total of six OB units). At present, one existing OB pad (Old South Pad) has been designated as inactive and USAGY has begun planning closure activities on this unit.

The OD area consists of three locations. Two of the locations contain two adjacent trenches for open detonation of waste ordnance and the third location is a single pit (a total of five OD units).

The MTF currently operates under the Arizona Hazardous Waste Management Act (AHWMA) Permit, issued by ADEQ with an EPA I.D. No. AZ5213820991. The Permit allows USAGY to treat certain reactive and ignitable hazardous wastes in accordance with hazardous waste regulations (A.A.C. R18-8-264 and 270 and 40 CFR 264 and 270). The facility does not store any hazardous waste on site longer than 90 days. USAGY does not operate any disposal units onsite.

To ensure protection of human health and environment, the Permit includes: 1) restrictions on the quantity and types of explosives that can be detonated; 2) procedures to prevent hazards that include security procedures and inspection requirements; 3) a contingency plan to address emergencies; 4) recordkeeping and reporting requirements; 5) personnel training requirements for explosive ordnance disposal; 6) a closure plan; 7) groundwater monitoring requirements.

In addition to containing requirements for operating the OB and OD operations at the MTF, the Permit requires USAGY to undertake a corrective action program for assessment and remediation, as needed, for all existing Solid Waste Management Units at YPG.

TYPES AND QUANTITIES OF HAZARDOUS WASTES MANAGED AT THE FACILITY

Types of Hazardous Wastes Treated

The waste munitions managed at YPG are considered hazardous due to their characteristics of reactivity (D003) and ignitability (D001). Additional information on hazardous waste types may be found in Permit Sections III.B (Permitted and Prohibited Waste Identification), Permit Attachment 3 (Waste Analysis Plan), and in the federal hazardous waste rules at 40 CFR §261 Subpart C “Characteristics of Hazardous Wastes” and Subpart D “Lists of Hazardous Waste.”

Quantity of Hazardous Waste Treated

The maximum quantity of explosive waste treated per day at the OB units is 4,000 pounds net explosive weight (NEW). The maximum quantity of waste that can be treated annually at the OB units is 730,000 pounds NEW.

PERMIT DESCRIPTION AND STATEMENT OF BASIS

The Permit issued by ADEQ to USAGY on June 29 2007, consists of six parts and 15 appendices. All conditions were based on the Resource Conservation and Recovery Act (RCRA) Permit Application dated February 2003, as revised September 2004, and the RCRA Facility Assessment, dated April 1999. The Permit has an expiration date of June 29, 2017.

Permit Part I contains general permit conditions. These conditions are required by Arizona Administrative Code (A.A.C.) R18-8-270.A and L, as well as Title 40 of the Code of Federal Regulations (CFR) 270.30.

Permit Part II contains general facility conditions. These conditions are required by A.A.C. R18-8-264.A and 40 CFR 270.32.

Permit Part III contains conditions relative to the management of the open burn units. This condition is based on the requirements of A.A.C. R18-8-264.A and 40 CFR 264, Subpart X.

Permit Part IV contains conditions relative to the management of the open detonation units. This condition is based on the requirements of A.A.C. R18-8-264.A and 40 CFR 264, Subpart X.

Permit Part V contains conditions relative to groundwater monitoring. This condition is based on the requirements of A.A.C. R18-8-264.A and 40 CFR 264, Subpart F.

Permit Part VI contains conditions regarding corrective action. Corrective action is authorized by the Arizona Revised Statutes §49-922.B and Section 3004(u) of RCRA, as amended by the Hazardous and Solid Waste Amendments. The regulatory basis for corrective action can be found in A.A.C. R18-8-264.A and 40 CFR 264.101.

Class 3 Permit Modification – Description of Changes Made to the Permit

The Class 3 Permit Modification makes the following changes to the Permit:

Location within the Permit	Description of Change
Entire Permit	Corrections to errors.
I.B	Update to the definition of “A.A.C”; incorporates recent regulatory changes.
VI.B.4.(h)	Updates the Permit to include a reference to the table of Solid Waste Management Units
VI.C.2	Adds a general description of the integration of the Comprehensive Environmental Restoration, Compensation, and Liability Act (CERCLA) and RCRA, and of the regulatory equivalency of the RCRA Corrective Action and CERCLA Response programs.

VI.I.1	To be consistent with changes in State and Federal hazardous waste permitting requirements, this modification deletes reference to “Major Modification” to Permit, and adds “Class 3 Permit Modification”. All changes to Corrective Measures Implementation Program Plan and remedy selection must be submitted as Class 3 Permit Modification requests.
VI.I.2	This change is required to be consistent with procedures for Class 3 Permit Modification requests.
VI.I.3	This change is required to be consistent with procedures for Class 3 Permit Modification requests.
VI.M	This change provides a detailed description of RCRA/CERCLA Integration as it pertains to the Corrective Action requirements of the Permit.
VI.M.1	The Permittee has identified a list of 23 Solid Waste Management Units, and one additional site not previously identified in the 1999 RCRA Facility Assessment (RFA) which require no further action. In accordance with the RFA recommendations, these sites were investigated and may have been found to be uncontaminated, did not exist, did not meet the definition of a SWMU or Area of Concern (AOC) or were remediated to acceptable levels.
VI.M.2	The Permittee has identified a list of 11 sites, including eight Solid Waste Management Units, and three sites not identified in the RFA for which “no action is currently needed” per CERCLA Decision Documents.
VI.M.3	The Permittee has identified one Solid Waste Management Unit, consisting of three underground storage tanks for which Correction Action is not required per a 1999 case closure letter.
VI.M.4	The Permittee has identified eight active ranges that are currently exempted from Corrective Action, in accordance State and Federal requirements.
VI.M.5	The Permittee has identified a list of 14 active SWMUs for which Corrective Action is not required based on the recommendations of the RFA. When the operations at these units are discontinued they will be closed in accordance with RCRA closure requirements. However, during their operation, any spills will be identified per the procedures contained in the Permit and subject to RCRA Corrective Action requirements, including Site Assessment and Remedy.

VARIANCES REQUESTED BY THE PERMITTEE

None have been requested by the Permittee.

PUBLIC PARTICIPATION PROCESS - PROCEDURES FOR REACHING A FINAL DECISION ON THE PERMIT

The administrative record for the permit modification contains all data submitted by the Permittee. A copy of portions of the administrative record, including the draft modified permit is available for public review at:

Yuma County Library District - Main Branch
2951 S. 21st Drive
Yuma, Arizona 85364

The hours of operation are Monday through Thursday: 9.00 a.m. – 9.00 p.m.; Friday and Saturday: 9.00 a.m. - 5.00 p.m. The library is closed on Sundays.

The full administrative record is available at:

ADEQ Records Center
1110 W. Washington Street, Phoenix, AZ 85007
(602) 771-4380

The hours of operation are Monday – Friday (excluding state holidays), 8:30 a.m. to 4:30 p.m. To arrange an appointment to review this record at ADEQ, contact the ADEQ Records Center at (602) 771-4380.

As required by A.A.C. R18-8-271.L and 40 CFR §124.13, all persons, including applicants, who believe any condition of the permit modification or the tentative decision to prepare and issue this permit modification is inappropriate, must raise all reasonably ascertainable issues and submit all reasonably available arguments and supporting materials by the close of the public comment period. All comments submitted during the public comment period shall discuss the appropriateness of the permit modification. **The 45-day public comment period will open on issuance of the public notice on March 27, 2016 and will close on May 12, 2016.** During the public comment period, any interested person may submit written comments on the draft permit. These comments and supporting materials must be submitted to ADEQ by the last day of the public comment period to:

Arizona Department of Environmental Quality
Anthony Leverock
Permits and Plan Review Unit
1110 West Washington Street
Phoenix, Arizona 85007
email: acl@azdeq.gov

All written comments delivered or postmarked by the last day of the public comment period will be considered in ADEQ's final determination regarding the permit modification. After all comments have been considered, a final decision will be made by the Director. The Permittee,

each person who has submitted written or oral comments, and each person who has so requested will receive a notice of this final decision. This notice shall include reference to procedures for appealing a decision on the permit modification request. The final decision shall become effective on the date specified in the notice.

At the time the final decision is made, the Director shall also issue a response to any significant comments. The response to comments shall consider all items as specified in A.A.C. R18-8-271.O and 40 CFR §124.17. The response to comments shall be made available to the public for review. Any person who desires to be placed on the mailing list for all future permitting activities for this facility or for facilities in a specific geographic area may request so in writing to the above address, pursuant to A.A.C. R18-8-271.I(c)(1)(ix) and 40 CFR §124.10(c)(1)(ix)(a).

In addition to submitting public comment, any person may request the Director to schedule a public hearing. **Written requests for a public hearing must be submitted to ADEQ by not later than close of the comment period, May 12, 2016 and must state the nature of the issues proposed to be raised in the hearing.** The Director will hold such a hearing if:

- 1) He finds, on the basis of requests, a significant degree of public interest in the permit modification, or
- 2) He finds that the hearing might clarify one or more issues involved in the permit modification decision, or
- 3) A formal written notice of opposition to the permit modification is received within the comment period.

PERSON TO CONTACT FOR ADDITIONAL INFORMATION

For additional information concerning the draft permit, please contact:

Anthony Leverock
ADEQ - Permits and Plan Review Unit
1110 West Washington Street
Phoenix, Arizona 85007
E-mail: - acl@azdeq.gov
(602) 771-4160 or Toll Free 1-800-234-5677, extension 771-4160

Hearing-impaired individuals call our TDD line:
(602) 771-4829

Web site: www.azdeq.gov

Any person may request to be put on a mailing list for permit activity. You can make this request to the ADEQ contact person listed above.

Please bring this notice to the attention of anybody who might be interested in this matter.

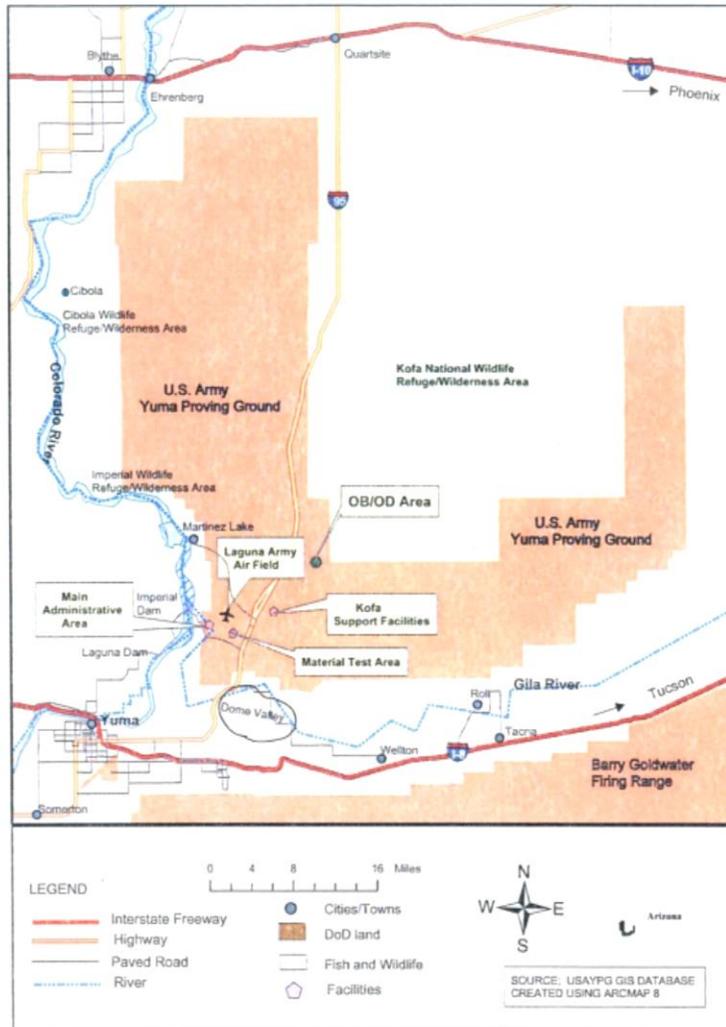


FIGURE 1
 AREA LOCATION MAP
 MUNITIONS TREATMENT FACILITY
 U.S. ARMY PROVING GROUND
 YUMA, ARIZONA

FIGURE 2
KOFA OB/OD FACILITY PERMITTED UNITS & ACTIVE AREA

