

Benicia Ordnance & Explosive Cleanup Project
SITE CONTROL PLAN
Former Benicia Arsenal, Benicia California

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Prepared by:

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1. BACKGROUND AND PURPOSE

This Site Control Plan has been prepared to establish procedures to notify the public and minimize disturbance to the community during the U.S. Army Corps of Engineers (USACE) removal of ordnance and explosives (OE) at the Former Benicia Arsenal.

The UXO removal work the USACE is conducting will occur at three areas, known as Sectors 2, 4 and 5 within the Former Benicia Arsenal. See Appendix 1 for a map of the sectors and surrounding areas. The UXO removal work consists of digging anomalies to determine if they are UXO items. When digging takes place to remove anticipated UXO items, exclusion zones (EZ) are established to ensure public safety. These zones are based on the fragmentation and blast distance of the UXO item expected to be found in the area. The maps provided in Appendix 1 identify two types of exclusion zones - the "1/600" distance and the "minimum separation distance (MSD)". Once the "1/600" EZ is established, no one other than ordnance and explosives (OE) safety specialists are allowed within the EZ while digging is taking place. The USACE and the Department of Defense Explosive Safety Board (DDESB) have given approval to proceed using the 1/600 EZ.

When digging discovers an UXO item that cannot be identified as inert (containing no explosives), the item must be detonated in place. This is referred to as blown in place (BIP). If the item can be safely moved, it will be relocated to a designated area within each sector to be detonated with other items in what's known as a combined explosive detonation or consolidated shot (CS). Only essential UXO personnel are allowed in the planned detonation exclusion zones for a BIP or CS.

The planned detonation of UXO items in a BIP or CS may require the evacuation from the "1/600" or "MSD" exclusion zone of non-essential personnel, individuals and domestic animals. When necessary for safety, some engineering controls such as sandbags or metal barricades may be used to reduce the EZ distance.

2. SCOPE

This Site Control Plan establishes the USACE's procedure to notify the Benicia Police Department of upcoming evacuations or road closures, and the police's department's procedure for notifying affected individuals, businesses, Caltrans and emergency services. The police department will also ensure that any road closures or evacuations have been safely completed before a detonation takes place; the USACE will assist the police department. This plan establishes a mechanism to ensure that property owners, tenants, emergency services and law enforcement agencies are notified for each and every road closure or evacuation.

Civil authority for any road closures or evacuations rests with the Benicia Police Department. Since this effort may be considerable, the USACE will assist the police department with this task.

This plan is voluntary. Evacuations cannot be required by the USACE. If individuals or businesses within the planned EZ do not cooperate, the intrusive action cannot be carried out. Owners of real property such as undeveloped lots will be notified but need not provide concurrence if no entry to their land is needed and no evacuation of personnel from their property is required.

3. SITE HISTORY

From 1849-1958, the US acquired 1,790.48 fee acres, 351.12 public domain acres, 6.40 license acres, 4.16 easement acres, and 575.88 lease acres for the Benicia Arsenal (2,728.04 total acres). From 1849-1960, the US Dept. of the Army used the site as a principal depot for ordnance storage and issuance (ammunition, small arms parts, and military supplies) and the manufacture and testing of small arms, mobile and seacoast artillery targets. During DoD ownership of the property, more than 350 structures were built, of which approximately 40% were temporary structures. The site had a water pumping and distributing system; sewer and drainage system; electric power and distributing system; and a telephone and fire alarm system. The Army abandoned the site after 1960. The site was exclusively under the jurisdiction of DoD and owned by the US.

The 2728.04 acre site is located approximately 30 miles East of S.F. Records search has identified some 205 areas of concern including: small arms ranges, weapons manufacture and storage facilities, four landfills, two service stations, and more. The area is now a multi-use site ranging from residential to industrial within the city limits of the City of Benicia.

Approximately 30% of the site remains undeveloped. Records indicate that large quantities of CWM and conventional ordnance were stored and shipped from this facility. Specific areas investigated during preparation of the ASR were the igloos located on Exxon property, igloos located on Benicia Industries property, two artillery test areas, and open air ordnance storage. Ordnance demolition was also a major mission. Recent development of the Tourtelot property has confirmed the existence of ordnance disposal areas. The areas of concern being reported are demolition areas, artillery test ranges, and small arms ranges.

4. ROLES AND RESPONSIBILITIES

Appendix 2 presents a list of contacts that have a role in assuring community safety during the UXO removal action.

4.1 U.S. Army Corps of Engineers

The USACE Sacramento District (SPK) Project Manager approves the location and sequence of UXO investigation and removal actions. Currently work will occur in Sector 5 first followed by Sector 2 and ending with Sector 4. The SPK Project Manager will serve as the primary point of contact for the public, city personnel and media. He will also periodically confer with the police department, EOD Technologies, and USACE

Huntsville National Center (HNC) of Expertise to identify if this plan is effective and notify all participants of any modifications to the plan. The SPK Project Manager will ensure that the first notice letters are sent out. He will develop and maintain records of notifications and will track the names and addresses of individuals affected by evacuations and their responses to notifications. The USACE will schedule and host a public informational meeting prior to intrusive activities.

The HNC Ordnance and Explosive Safety Specialists (OESS) will review and approve all site safety plans. Currently all work plans and site specific safety plans are approved by HNC. The OESS has the authority to stop work. The OESS will be on-site and will provide oversight during all intrusive activities or planned demolition operations. The OESS will serve as the point of contact during intrusive operations and demolition operations. He will confirm and/or establish the required exclusion zone and will coordinate evacuation and notification procedures with the police department.

4.2 Police Department

Civil authority for evacuations lies with the Benicia Police department. Notification will be accomplished by sending potentially affected individuals an initial notice (*first notice*); the USACE will be responsible to send all notices. The police department will contact non-responding individuals. On the day of the evacuation, the police department is responsible to ensure the evacuation is complete; the USACE will assist the police department. The police department is also responsible for notifying and requesting assistance from other regulatory agencies including the fire department, Caltrans and the California Highway Patrol. The city of Benicia has in place Ordinance # 01-02 governing evacuations.

4.3 California Highway Patrol

The California Highway Patrol (CHP) will be responsible for road closures that may occur along interstate highway 680. The CHP will be responsible for notifying the general public and Caltrans of planned road closures. For the general public, this will be accomplished using existing Caltrans notification systems. The CHP will be responsible for establishing detour routes as needed and directing traffic through said detour routes. The CHP will coordinate detour routes with the City of Benicia Police department as needed.

4.4 EOD Technology Incorporated

EOD Technology Incorporated is responsible for developing and implementing the geophysical investigation and removal of unexploded ordnance. EOD Technologies will assist the Benicia police department and the USACE by telephoning individuals that may be affected by the evacuations but who did not respond to the first notice. Results of all contacts will be provided to the USACE.

EOD Technologies will post evacuation notices on roads within the EZ and will provide on-site security during intrusive activities.

5. NOTIFICATIONS

The responsible offices will undertake a number of specific actions to ensure that all property owners, tenants and emergency services are informed of the EZ and have an opportunity to have their questions answered. Supporting agencies will be notified once prior to specific evacuations usually 5 days before assistance is required. Effected individuals however will be notified by a series of communications as outlined below:

First notification: Affected property owners and tenants within the EZ will be notified of potential upcoming evacuations two weeks beforehand. A letter will notify the effected parties. An example letter can be found under appendix 4.

Also, approximately two weeks prior to intrusive work, the USACE will conduct a public information meeting to provide individuals with information regarding removal activities and temporary evacuations. Individuals can also use this opportunity to ask questions;

Second notification: Three days prior to potential evacuations, the responsible offices will:

- i. Brief the City of Benicia, and the Benicia Police department regarding the EZ, the anticipated dates of evacuations, the addresses within the EZ and withdrawal procedures;
- ii. Distribute notices door-to-door to each address within the EZ. The notice will list the specific dates and times required to evacuate and will include a USACE point of contact.

Third notification: Approximately twenty four (24) hours prior to removal activities the USACE will distribute reminder notices to each address within the EZ. Signs will be posted by the USACE at selected locations notifying the general public of pending road closures and detours as necessary.

On the day of the specific evacuation, the USACE will go door-to-door to ensure all residences are vacated prior to beginning removal actions. If unauthorized persons fail to leave the EZ, the Benicia Police Department will be contacted to assist in clearing the area in accordance with City of Benicia Ordinance # 01-02.

6. PROCESS FOR ROAD CLOSURE

If the EZ includes a lightly traveled road, closure may not be required if the intrusive action, such as excavation, can be halted when a vehicle approaches and passes through the EZ. However, if the road is continuously used a closure may be required until the action is completed. In this case, the police department will determine if the road closure

will be managed by the CHP. Every effort will be made to carry out the intrusive actions so that road closures will be completed during the non-commute hours of 10:00 a.m. to 3:00 p.m.

7. PROCESS FOR EVACUATION

Appendix 3 contains a checklist for the participating parties prior to, during and after an evacuation.

7.1 Point of Contact

For the city of Benicia the primary point of contact is the police department. The police department will provide information about the evacuation to potentially effected individuals and businesses. The police department will also serves as the primary point of contact for requesting assistance from all other service agencies.

For the USACE the primary point of contact is Mr. Bruce Handel, the SPK Project Manager. The EOD Technology Incorporated point of contact is Mr. David Frandsen or Mr. David Wilson. See Appendix 2.

7.2 Standard Evacuation Procedures

Appendix 2 contains a list of parties that may be contacted in connection with an evacuation. Appendix 3 contains a checklist for a typical evacuation.

On the day of an evacuation, the EOD Technology point of contact will assist the police department to check residences to ensure that the evacuation is complete before intrusive activities can start. When the evacuation is deemed complete by the police department, the department will notify EOD Technologies that security personnel may be deployed and that intrusive activities may proceed.

7.3 Security

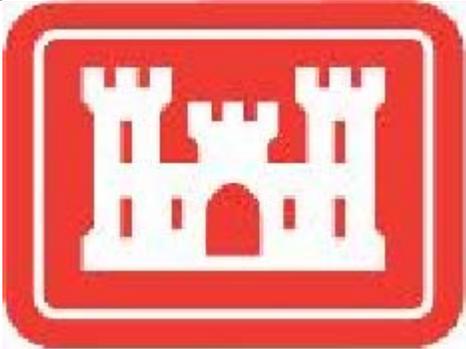
EOD Technology Incorporated will assist the Benicia police department and as necessary will employ trained safety personnel to oversee withdraw from the EZ and will restrict re-entry during work hours. EOD Technology will ensure that personnel physically block all avenues of entry by posting signs and erecting barriers. Personnel will be stationed in selected locations outside the EZ to monitor activities continuously during intrusive work. In the event that unauthorized persons enter or are found within the EZ, all activities will be halted until the area is cleared on non-essential personnel. Close coordination with the Benicia police department will ensure compliance with the City of Benicia Ordinance # 01-02.

7.5 Period of Evacuation

All operations will be conducted during daylight hours only. The daily work schedule will generally be from 8 a.m. to 5 p.m., Monday through Friday. This schedule will

ensure that necessary evacuations will take place when most people are at work or school. Every effort will be made to complete intrusive actions within this period.

AVAILABLE FOR VIEWING IN THE CITY ATTORNEY'S OFFICE.

 <p>US ARMY CORPS OF ENGINEERS</p>	Project Title: ORDNANCE REMOVAL ACTION			CONTRACTOR: EOD TECHNOLOGY, INC. 2229 OLD HIGHWAY 95 LENOIR CITY, TN 37771	EXPLOSIVE SAFETY SUBMISSION MAP FORMER BENICIA ARSENAL CALCULATED DISTANCES FOR THE MINIMUM SAFE SEPARATION (MSD) AND THE 1/600 DISTANCES
	Project Location: FORMER BENICIA ARSENAL, BENICIA, CA				
	Client Name: U.S. ARMY ENGINEERING SUPPORT CENTER, HUNTSVILLE				
	Contract Number: DACA87-95-D-0005	Task Order: # 0019			
	Scale: 1 Inch=500 Feet	Paper Size: 36"x44"	Drawing Date: 21 January 2001	EODTDWG: AUTO CAD 14	

POINTS OF CONTACT

Contact	Agency/Position	Telephone Number
Bruce Handel	USACE, Project Manager	916.557.7906 Cell 916.531.1316
Bob Nore	USACE Project Manager	256.895.1507
Heather McLaughlin	Benicia City Attorney	707.746.4216
David Frandsen	EODT Project Manager	Cell 407.701.8198
Dave Wilson	EODT On-Site Project Manager	Cell 707.753.1194
Local Police	Benicia Police	707.745.3412
Local Fire Department	Fire Department	707.746.4275
Local EOD Unit	787 th Ordnance Company Moffit Field, CA	650.603.8301

CHECK LIST

Two (2) weeks before beginning intrusive actions within an established Exclusion Zone (EZ).

- Sign and mail out notification letter to potentially affected property owners and tenants, requesting cooperation in voluntary evacuations (first notice)

Date: _____

- Conduct Workshop to provide individuals with information regarding voluntary evacuations (first notice)

Date: _____

- Brief City of Benicia and Benicia Police Department and mail out notification letter to potentially affected property owners and tenants, requesting cooperation in voluntary evacuations (second notice)

Date: _____

Three (3) days before beginning intrusive actions within an established Exclusion Zone (EZ).

- Distribute notices door-to-door (second notice)

Date: _____

Twenty-four (24) before beginning intrusive actions within an established Exclusion Zone (EZ).

- Distribute reminder notices to each address within the EZ (third notice)

Date: _____

Day of starting intrusive actions within an established Exclusion Zone (EZ).

- Conduct door-to-door check of each address within the EZ (third notice)

Date: _____

EXAMPLE LETTER

NOTICE OF POTENTIAL EVACUATION

Dear Property Owner or Tenant of the Former Benicia Arsenal:

The U.S. Army Corps of Engineers is investigating ordnance and explosives (OE) at the former Benicia Arsenal. We are seeking your cooperation with this project, since it will help to make the Former Benicia Arsenal a safer place for you, your family and neighbors.

This project involves mapping, locating and removing metal objects, including objects that may be unexploded ordnance buried several feet deep. If the metal object is an unexploded ordnance we must ensure public safety by evacuating the area while the ordnance is being dug up, removed or detonated.

Over the next several months, the Corps of Engineers is planning to investigate the area around or on your property. Unless you have already given rights-of-entry for this investigation, no one will enter your property. Please note however, a representative may knock on your door on the day of the evacuation to be sure the area is secure.

To the maximum extent possible, evacuations will take place during daylight hours only. Typically between the hours of 8:00 a.m. to 5:00 p.m.. All people may have to leave the EZ to ensure their safety. You will receive about two weeks written notice of an evacuation affecting you. If you have special needs, the Corps of Engineers and their contractor, EOD Technology incorporated, will try to accommodate you.

If you are a property owner and your land is leased or rented, please inform your tenants and obtain their cooperation. Pets need not be evacuated, unless their owner wishes to do so.

If you have any questions about the investigation and how it may affect you, please call Mr. Bruce Handel of the U.S. Army Corps of Engineers at 916.557.7906.

Yours Truly,

U.S. Army Corps of Engineers