

R

PA Summary

DoD Site #

Artillery Testing Area

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address
0080-010-100	GONSALVES RITA A	
0083-582-190		

Year Bldg. Built: Unknown Year Bldg. Removed: Unknown Site Area (SqFt): 86409

Current Land Use: Open Space-General

OPERATIONAL HISTORY

DoD Use Type

Artillery Testing Area

DoD Uses

Artillery Testing Area

Secondary DoD Uses

None Listed

Post-Army Uses

None Identified

Flooring

Soil

Disposal Information

None Listed

Activities (inside/outside)

Outside

Records Research Report Addenda Data

Area was inspected in 1994 for the presence of ordnance and explosive waste (OEW) by USACE, Huntsville Engineering and Support Center District. According to the 1994 USACE report, this test area was located on property owned by the City of Benicia. The area, as well as the hillside beyond the impact area, was inspected and no evidence of OEW or chemical warfare materiel (CWM) was found (ref 543).

Records Research Report Comments

Located in the southern portion of Area R. According to former Arsenal employees, artillery was test fired into a berm within the deep valley. According to Mr. Caleb Putnam, the area was used primarily for testing firing mechanisms because it was not considered to be a safe zone to fire ammunition (Putnam, 1998).

The EE/CA Work Plan, which was published in October 1998, states that live ordnance (UXO) was found along the ridge located west and north of the possible impact point of the Artillery Testing Area discussed in the Archives Search Report (ASR). However, it is not clear from the ASR where this impact point was (ref 543). The ASR completed by the USACE, Huntsville Division, identified this as Artillery Test Site Area 4 (ref 543).

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

PA

COMMENTS

The USACE planned removal actions (exact date unknown - post July 2000) to remove ordnance potentially deposited onsite by either "kickout" from the demolition operations that occurred in the adjacent area or from a possible test firing range that my

PA Summary

DoD Site #

Artillery Testing Area

Area: R

have been located in this area (ref 1100). This site was investigated as part of an Arsenal-wide OE investigation and removal effort conducted by USACE in 2001 (ref 1138). In 2003, an additional OE removal action was conducted by Granite Management Corp. A report on the findings from this investigation has not yet been released. See Section 2 of the PA text. There are no records indicating any potential environmental concerns related to DoD activities at this site.

RECOMMENDATIONS

No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

Drainage channels

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address			
CAL TRANS Right-of-Way	STATE OF CALIFORNIA				
Year Bldg. Built	1944 - 45	Year Bldg. Removed	Not applicable	Site Area (SqFt)	579865
Current Land Use	Industrial-Limited; Open Space-General				

OPERATIONAL HISTORY

DoD Use Type

Revetment Area

DoD Uses

Drainage Channels

Secondary DoD Uses

None Listed

Post-Army Uses

None Identified

Flooring

Soil

Disposal Information

None Listed

Activities (inside/outside)

Outside

Records Research Report Addenda Data

None Listed

Records Research Report Comments

The Revetment Area was designed to control or contain any damage from explosions, and its features included: a series of seven railroad spurs that fan out in Christmas-tree fashion in the center of Area R; a perimeter road around the railroad tracks; burn cages; and drainage channels leading from each revetment to Sulphur Springs Creek, which flows south through the center of the Revetment Area into the Sulphur Springs Creek Drainage Canal (ref 359). Portions of the drainage channel has been filled in.

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

There are no records indicating any potential environmental concerns related to DoD activities at this site.

RECOMMENDATIONS

No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

Farm Structures (1), (2) and (3)

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address
0080-030-060	WEST COAST HOME BUILDERS INC	
0080-030-070	WEST COAST HOME BUILDERS INC	
0080-030-140	WEST COAST HOME BUILDERS INC	

Year Bldg. Built: Pre-1945 Year Bldg. Removed: Post 1988 Site Area (SqFt): 91647

Current Land Use: Industrial-Limited

OPERATIONAL HISTORY

DoD Use Type

Open Storage Area

DoD Uses

Farm Structures

Secondary DoD Uses

Unknown

Post-Army Uses

None Identified

Flooring

Unknown

Disposal Information

Unknown

Activities (inside/outside)

Inside

Records Research Report Addenda Data

Aerial photographs from 1945 and 1962 show three separate structures located outside the revetment area that are possible remnants of farm structures. These structures are located southeast of Spur D, east of Spur F, and east of Spur G.

Records Research Report Comments

Mr. Milburn stated that the farm structures were used for pogie camps to house Work Project Administration (WPA) temporary staff during the period from 1941 to 1944 (Milburn, 1998).
All three former farm structures remained during the development of the Records Research Report in 1988.

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

There are no records indicating any potential environmental concerns related to DoD activities at this site.

RECOMMENDATIONS

No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

OS51

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address
0080-020-030	COCKRUM KURTIS LYNN	140 W INDUSTRIAL
0080-020-040	DOLAN PATRICK E	4563 E SECOND STREET
0080-020-130	AGGREKO INC	
0080-020-160	DOLANS OF CONCORD INC	
0080-020-240	AGGREKO INC	160 W INDUSTRIAL
0080-020-250	BROWN DOUGLAS K & C I	150 W INDUSTRIAL

Year Bldg. Built 1944 - 45 Year Bldg. Removed Not applicable Site Area (SqFt) 271391

Current Land Use Industrial-Limited

OPERATIONAL HISTORY

DoD Use Type

Open Storage Area

DoD Uses

Open Storage Area

Secondary DoD Uses

Unknown

Post-Army Uses

Area OS51 was leased to E.E. Einboden, Inc. for storage and repair machinery in 1973. Also was leased to C.R. Fredrick for storage and maintenance of mobile equipment.

Flooring

Unknown

Disposal Information

None Listed

Activities (inside/outside)

Outside

Records Research Report Addenda Data

None Listed

Records Research Report Comments

OS51 has been identified by Mr. Bailey as a vehicle storage area. This area was also used as an equipment storage yard while storage igloos were being built at the Arsenal.

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

There are no records indicating any potential environmental concerns related to DoD activities at this site.

RECOMMENDATIONS

No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

Overtuned truck area

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address
0080-010-020	DAVID STEPHEN F	401 W CHANNEL ROAD
Year Bldg. Built	1948	Year Bldg. Removed
		Post 1948
Current Land Use	Industrial-Limited	Site Area (SqFt)
		45294

OPERATIONAL HISTORY

DoD Use Type

Revetment Area

DoD Uses

Overtuned Truck Area

Secondary DoD Uses

Unknown

Post-Army Uses

None Identified

Flooring

Soil

Disposal Information

None Listed

Activities (inside/outside)

Outside

Records Research Report Addenda Data

None Listed

Records Research Report Comments

In 1948, a semi-truck loaded with small arms ammunition lost its brakes on Ledo Road and rolled over dumping its load near the last remaining guard tower. Some ammunition may have been left behind according to Mr. Bailey, former arsenal employee.

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

According to Mr. Bailey some ammunition may have been left behind. There are no records indicating any potential environmental concerns related to DoD activities at this site.

RECOMMENDATIONS

No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

Present day police firing range

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address
0080-030-060	WEST COAST HOME BUILDERS INC	
0083-220-080	BENICIA CITY	

Year Bldg. Built: Unknown Year Bldg. Removed: Not applicable Site Area (SqFt): 43015

Current Land Use: Industrial-Limited

OPERATIONAL HISTORY

DoD Use Type

None Listed

DoD Uses

None Identified

Secondary DoD Uses

None Listed

Post-Army Uses

Present day police firing range

Flooring

Unknown

Disposal Information

None Listed

Activities (inside/outside)

Unknown

Records Research Report Addenda Data

None Listed

Records Research Report Comments

Records Research does not have any information on this site. Site located within Spur G.

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

Records Research does not indicate any DoD related activities at this site.

RECOMMENDATIONS

No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

Small Arms Ammunition Disposal Burn Cage

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address
0080-010-020	DAVID STEPHEN F	401 W CHANNEL ROAD
0083-220-080	BENICIA CITY	

Year Bldg. Built: 1948 - 1954 Year Bldg. Removed: 1954-1964 Site Area (SqFt): 26787

Current Land Use: Industrial-Limited

OPERATIONAL HISTORY

DoD Use Type

Small Arms Ammunition Disposal Burn Cage Area

DoD Uses

Small Arms Ammunition Disposal Burn Cages

Secondary DoD Uses

None Identified

Post-Army Uses

None Identified

Flooring

Concrete

Disposal Information

None Identified

Activities (inside/outside)

Outside/Inside

Records Research Report Addenda Data

Records Research Report Comments

The suspected Small Arms Ammunition Disposal Area (Area 15) was located on a one-acre site near the westernmost extension of Ledo Road that contained a special structure built for the disposal of small arms ammunition (ref 544).

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

The identification of this site was first reported in the Archive Search Report Supplement (USACE, 1997) during interviews conducted with Mr. Milburn and Mr. Elmer Banks, former Arsenal employees. Mr. Milburn stated there was a "small arms ammunition burn area" in the open storage area (rail area). He located the area on a map. This is the location shown in the PA. Mr. Banks was contacted and indicated that he could not remember the exact location but it was "in a draw past the open storage area (rail car storage)." Based on this information, there still is no conclusive evidence about the exact location or existence of this suspected burn cage. Site visits of this area indicate no remnants of any burn cage and in fact the area is quite hilly. This area would not be a suitable location for a burn cage as described for the other locations.

RECOMMENDATIONS

No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

Spur A

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address			
0080-010-100	GONSALVES RITA A				
Year Bldg. Built	1944	Year Bldg. Removed	1948-1954	Site Area (SqFt)	37536
Current Land Use	Industrial-Limited				

OPERATIONAL HISTORY

DoD Use Type

Revetment Area

DoD Uses

Revetment and Burn Cage Area/Hydrazine Burn Area (1958/59)

Secondary DoD Uses

None Identified

Post-Army Uses

None Identified

Flooring

Concrete

Disposal Information

The hydrazine was poured into an existing concrete structure measuring approximately 6 feet by 6 feet, and ignited using an electric squib (device for firing an explosive). It took approximately 3 to 4 months to dispose of the fuel.

Activities (inside/outside)

Outside/Inside

Records Research Report Addenda Data

In 1958 and 1959 eight or nine 55-gallon drums of Hydrazine (guided missile ignition fuel) were shipped by railroad to the Arsenal for disposal by explosive ordnance disposal (EOD) personnel.

Records Research Report Comments

An existing concrete structure measuring approximately 6 feet by 6 feet was used for disposing of the ignition fuel. (In addition, a former Arsenal employee (Mr. Putnam) indicated that two burn cages were located in the area of Spur A. The exact number and locations of burn cages are not known. Burn cages were constructed typically with concrete lower walls (approximately 2 feet high) and a concrete floor, with mesh screening upper walls and roof. According to personal accounts, the .30, .50, and .37 caliber ammunition was dumped into the cage, covered with kerosene, then set on fire. After two to three burns, the ammunition burning process destroyed the wire mesh cage; it would then be rebuilt in the same location. Burn cages were used from approximately 1948 to 1954. (ref 1000))

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

There are no remnants of any concrete structure or the Spur. Hydrazine was reportedly stored at this site and was disposed of by burning in a concrete structure. Hydrazine is very volatile and will continue to burn by exothermic decomposition. The chemicals of concern would be the by-products of hydrazine, nitrosamines. Based on the chemical, fate and transport properties of nitrosamines, any by-products that impacted soil or groundwater 50 years ago are not likely to be found because they quickly

PA Summary

DoD Site #

Spur A

Area: R

biodegrade, have a very high volatility and are very soluble. There were reports of burn cages in the area of Spur A. Kerosene was poured directly on the ammunition in the burn cage (likely in small quantities just to get the wooden crates containing the ammunition wet). After the burning process, metal and ash remained inside the structure. The metal was removed for salvage. The ash was likely composed of "residues" and wood. (The ammunition was boxed in wood crates then doused in kerosene before lit on fire). It is unknown where the ash may have been discarded. It is possible that this ash may contain heavy metals and explosive residue. Based on recent field visits and over 50 years of post-Army activity in the area, the likelihood of finding this ash is remote.

RECOMMENDATIONS

The exact location of the burn cage is not known. Kerosene and the "residues" from the burning are possible chemicals of concern. Nitrosamines are also possible chemicals of concern but not likely present. Therefore, it is recommended that Spur E, a known location of a burn cage is investigated. If impacts are found, then a subsurface investigation is recommended at Spur A.

PA Summary

DoD Site #

Spur B
 Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address
0080-010-160	LEALLET BETTE	300 W CHANNEL ROAD
0080-010-170	CALLOUETTE BARRY	320 W CHANNEL ROAD
0080-010-180	HUDSON ASSOCIATES	340 W CHANNEL ROAD
0080-010-250	DAVID STEPHEN F	

Year Bldg. Built: 1944 Year Bldg. Removed: Not applicable Site Area (SqFt): 100778
 Current Land Use: Industrial-Limited

OPERATIONAL HISTORY

DoD Use Type

Revetment Area

DoD Uses

Revetment

Secondary DoD Uses

Unknown

Post-Army Uses

Industrial building site

Flooring

Unknown

Disposal Information

None Listed

Activities (inside/outside)

Unknown

Records Research Report Addenda Data

None Listed

Records Research Report Comments

A 1998 map taken from the Records Research Report indicates that there are currently buildings located in this area.

ENVIRONMENTAL SUMMARY

Vessel Inventory

Vessel #	Type	Original Owner	Size (Gal.)	Construction	Commodity Stored	Date Installed	Date Removed	Post-Army	Installed Post-Army
1	UST	Unknown	1000	Steel	Gasoline	Unknown	1989	No	<input checked="" type="checkbox"/>

Uses: Fuel Storage

Comments: Removed successfully by Johnston Pump/General Valve in October 1989; excavated soil sampling revealed nondetectable levels of contamination.

Furthest Stage of Environmental Investigation

RIFS

COMMENTS

In May 1989, Johnston Pump/General Valve (JP/GV), 300 W Channel Rd, completed a preliminary site investigation which

PA Summary

DoD Site #

Spur B

Area: R

determined that soils had been impacted with TPH, BTEX, and HVOCs (ref 1161). JP/GV then proposed to remove and dispose of soil contaminated with TPH > 1000 ppm, but proposed not to remove soil contaminated with only methylene chloride. Handwritten notes by DTSC disagrees with this decision (ref 1160). In October 1989, JP/GV removed the below-grade sump and over-excavated ~120 yards of contaminated soil. Residual soil contamination was found from the sump removal. In October 1989, JP/GV removed the UST at the site. This investigation revealed that no TPH had been released from the UST. In January 1990, JP/GV conducted a hydrogeologic investigation and sampled for soil and groundwater contamination. Investigation revealed low levels of benzene, toluene and PCE in on-site soils, and that had been impacted by HVOCs, xylene, and toluene. JP/GV concluded that the contaminated soils in the unsaturated zone had been removed in the over-excavation of the sump. In July 1990, third-party verification of data collected from the 1989 and 1990 investigations concluded that the former below-grade sump was the most likely source of the PCE detected. In April 1989, Johnston Pump reported a discharge of hazardous materials into the soil and groundwater. In September 1993 JP/GV presented the results of the semi-annual GW monitoring program. This report revealed that the concentrations of the various HVOCs were remaining stable or increasing over time. The May 1994 Site Cleanup Requirements issued by the RWQCB include submitting and implementing a work plan for soil and groundwater pollution characterization, completing supplemental interim remedial actions, and implementing final remedial actions (ref 1161). In accordance with the Site Cleanup Requirements, JP/GV performed a limited soil and groundwater investigation to gather additional information. Sampling results from additional borings indicated relatively low PCE concentrations in the soil. The groundwater sample analysis results indicate that concentrations have not changed significantly over time, and that results are consistent with previous sampling results (ref 1166). In 2001, results from the Benicia Groundwater Monitoring program indicated MTBE and possibly other constituents are entering into on-site groundwater from a currently unidentified off-site source or sources (ref 1158). This conclusion is based on fact that MTBE levels have increased over time (ref 1159). In February 2002, JP/GV installed a groundwater extraction trench, treated by carbon adsorption and discharged to the Benicia sanitary sewer. There are no records indicating any potential environmental concerns related to DoD activities at this site.

RECOMMENDATIONS

No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

Spur C

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address
0080-020-100	SHAREHOLDER PROPERTIES LTD	
0080-020-120	CASE JOSEPH A & BARBARA L	395 W CHANNEL ROAD
0080-020-160	DOLANS OF CONCORD INC	
0080-020-190	MOORE GREGORY C & SANDRA L	361 W CHANNEL ROAD
0080-020-210	JARVIS DOUGLAS L	325 CHANNEL ROAD

Year Bldg. Built 1944 Year Bldg. Removed Not applicable Site Area (SqFt) 166031

Current Land Use Industrial-Limited

OPERATIONAL HISTORY

DoD Use Type

Revetment Area

DoD Uses

Revetment

Secondary DoD Uses

Unknown

Post-Army Uses

Industrial building site

Flooring

Unknown

Disposal Information

None Listed

Activities (inside/outside)

Unknown

Records Research Report Addenda Data

None Listed

Records Research Report Comments

A 1998 map taken from the Records Research Report indicates that there are currently buildings located in this area.

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

There are no records indicating any potential environmental concerns related to DoD activities at this site.

RECOMMENDATIONS

No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

Spur C

Area: R

PA Summary

DoD Site #

Spur D

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address
0080-010-030	WEST COAST HOME BUILDERS INC	
0080-010-270	SIRI ANDREW F	4555 CALIFORNIA COURT
0080-010-340	MCUEN FAMILY PARTNERSHIP I	4550 CALIFORNIA COURT

Year Bldg. Built: 1944 Year Bldg. Removed: Not applicable Site Area (SqFt): 188162

Current Land Use: Industrial-Limited

OPERATIONAL HISTORY

DoD Use Type

Revetment Area

DoD Uses

Revetment

Secondary DoD Uses

Unknown

Post-Army Uses

Industrial building site

Flooring

Unknown

Disposal Information

None Listed

Activities (inside/outside)

Unknown

Records Research Report Addenda Data

None Listed

Records Research Report Comments

A 1998 map taken from the Records Research Report indicates that there are currently buildings located in this area.

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

There are no records indicating any potential environmental concerns related to DoD activities at this site.

RECOMMENDATIONS

No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

Spur E

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address			
0080-010-050	DAVID STEPHEN F				
Year Bldg. Built	1944	Year Bldg. Removed	1948-1954	Site Area (SqFt)	31554
Current Land Use	Industrial-Limited				

OPERATIONAL HISTORY

DoD Use Type

Revetment Area

DoD Uses

Revetment and Burn Cage Area

Secondary DoD Uses

Unknown

Post-Army Uses

Industrial building site. Storage area of numerous vehicles, boats, scrap metal, concrete, old equipment, a railroad car, storage containers, etc.

Flooring

Unknown

Disposal Information

Ammunition was burned in the cage and set on fire with kerosene.

Activities (inside/outside)

Inside/Outside

Records Research Report Addenda Data

None Listed

Records Research Report Comments

According to a former Arsenal employee (Mr. Bailey), burn cages were constructed with concrete lower walls and a concrete floor, with mesh screening upper walls and roof. Most of the cages were square or rectangular. A Benicia Arsenal Magazine photograph shows a man standing amongst thousands of burned shells. Assuming that the man is approximately 6 feet tall, it appears that the concrete walls were at least 6 feet high. Photos in the Benicia Arsenal Magazine (ref 270) shows the same burn cage before, during and after the burn. Based on features in the background of the photos, especially the photo during the burn, old drawings and topography, the burn cage pictured in these photos is at Spur E.

According to personal accounts, the .30, .50, and .37 caliber ammunition was dumped into the cage, covered with kerosene, then set on fire. After two to three burns, the ammunition burning process destroyed the wire mesh cage; it would then be rebuilt in the same location. Burn cages were used from approximately 1948 to 1954. Through December of 1948, a total of 6,518 tons of small arms ammunition was demolished using burn cages. The value of scrap metal recovered totaled \$695,697.59 (ref 172). The market value of the scrap metal at that time (1951) was estimated at \$20,000 (ref 270).

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

There are no remnants of any concrete structure or the Spur. Kerosene was poured directly on the ammunition in the burn cage.

PA Summary

DoD Site #

Spur E

Area: R

The scrap metal was sold as salvage. There has been no reported investigations in the area of this former burn cage to determine any HTRW impacts. After the burning process, metal and ash remained inside the structure. The ash was likely composed of these "residues" and wood. (The ammunition was boxed in wood crates then dowsed in kerosene before lit on fire). It is unknown where the ash may have been discarded. It is possible that this ash may contain heavy metals and explosive residue. Based on recent field visits and over 50 years of post-Army activity in the area, the likelihood of finding this ash is remote.

RECOMMENDATIONS

Because this site is a known location of a burn cage, a subsurface investigation is recommended to determine the presence or absence of fuels, metals, and explosives in groundwater downgradient for a potential release from the fuels used to burn the ammunition and disposal of residues left-over from the burning of the ammunition.

PA Summary

DoD Site #

Spur F

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address
0080-010-020	DAVID STEPHEN F	401 W CHANNEL ROAD
0080-010-030	WEST COAST HOME BUILDERS INC	

Year Bldg. Built: 1944 Year Bldg. Removed: Not applicable Site Area (SqFt): 149307

Current Land Use: Industrial-Limited

OPERATIONAL HISTORY

DoD Use Type: Revetment Area

DoD Uses: Revetment

Secondary DoD Uses: Unknown

Post-Army Uses: Industrial building site

Flooring: Unknown

Disposal Information: None Listed

Activities (inside/outside): Unknown

Records Research Report Addenda Data: None Listed

Records Research Report Comments: A 1998 map taken from the Records Research Report indicates that there is currently a building located in this area.

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation: NONE

COMMENTS: There are no records indicating any potential environmental concerns related to DoD activities at this site.

RECOMMENDATIONS: No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

Spur G

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)

Owner Name

Site Address

0080-030-060

WEST COAST HOME BUILDERS INC

0083-220-080

BENICIA CITY

Year Bldg. Built

1944

Year Bldg. Removed

1948-1954

Site Area (SqFt)

174303

Current Land Use

Industrial-Limited

OPERATIONAL HISTORY

DoD Use Type

Revetment Area

DoD Uses

Revetment and Burn Cage Area

Secondary DoD Uses

Unknown

Post-Army Uses

Industrial building site. Benicia Police Department firing range located near Spur G.

Flooring

Unknown

Disposal Information

Ammunition was burned in the cage and set on fire with kerosene.

Activities (inside/outside)

Inside/Outside

Records Research Report Addenda Data

None Listed

Records Research Report Comments

According to a former Arsenal employee (Mr. Bailey), burn cages were typically constructed with concrete lower walls (approximately 2 feet high) and a concrete floor, with mesh screening upper walls and roof. Most of the cages were square or rectangular. According to personal accounts, the .30, .50, and .37 caliber ammunition was dumped into the cage, covered with kerosene, then set on fire. After two to three burns, the ammunition burning process destroyed the wire mesh cage; it would then be rebuilt in the same location. Burn cages were used from approximately 1948 to 1954.

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

The location of the suspected burn cage is not known. There are no remnants of the suspected burn cage or the spur and general location of former Spur G is covered by several feet (up to 15 feet in some places) of fill material. The exact location of any burning is impossible to find due to this fill material. The current landowner, uses the area around Spur G for storage of numerous vehicles, boats, scrap metal, concrete, old equipment, a railroad car, storage containers, etc.

RECOMMENDATIONS

The exact location of the burn cage is not known. Kerosene and the "residues" from the burning are possible chemicals of

Friday, March 19, 2004

Page 290 of 502

PA Summary

DoD Site #

Spur G

Area: R

concern. Nitrosamines are also possible chemicals of concern but not likely present. Therefore, it is recommended that Spur E, a known location of a burn cage is investigated. If impacts are found, then a subsurface investigation is recommended at Spur G.

PA Summary

DoD Site #

T500

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address			
0080-020-130	AGGREKO INC				
Year Bldg. Built	Pre-1944	Year Bldg. Removed	1954-1962	Site Area (SqFt)	3225
Current Land Use	Industrial-Limited				

OPERATIONAL HISTORY

DoD Use Type

Open Storage Area

DoD Uses

Tool Storage

Secondary DoD Uses

None Identified

Post-Army Uses

Flooring

Unknown

Disposal Information

None Listed

Activities (inside/outside)

Inside

Records Research Report Addenda Data

Records did not disclose when Building T500 was demolished. The barn is shown on a map dated 19 January 1944 (ref 357). T500 appears on a 1954 map but does not appear on a 1962 Building Zone List (ref 646) (ref 713).

Records Research Report Comments

Building no longer exists.

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

There are no records indicating any potential environmental concerns related to DoD activities at this site.

RECOMMENDATIONS

No DoD action is indicated (NDAI) for this site.

PA Summary

DoD Site #

Water Supply Wells and Pump House

Area: R

NDAI FAR IRR Potential OE

SITE DESCRIPTION

Parcel # (APN)	Owner Name	Site Address
0080-010-090	WEST CHANNEL INC	250 W CHANNEL ROAD
0080-010-100	GONSALVES RITA A	
0080-020-070	CASE JOSEPH A	
0080-020-200	DAVID STEPHEN F	
0080-020-220	VENNES VERNON L	301 W CHANNEL ROAD
0080-110-470	VALERO REFINING COMPANY CALIF	

Year Bldg. Built pre-1944 **Year Bldg. Removed** Post 1944 **Site Area (SqFt)** 131201

Current Land Use Industrial-Limited

OPERATIONAL HISTORY

DoD Use Type

Revetment Area

DoD Uses

Unknown

Secondary DoD Uses

None Listed

Post-Army Uses

None Identified

Flooring

Soil

Disposal Information

None Listed

Activities (inside/outside)

Unknown

Records Research Report Addenda Data

None Listed

Records Research Report Comments

A historical map dated 1944 (ref 357) shows the topography between the Arsenal and Lake Herman reservoir and indicates the locations of some pre-existing structures, three hog pens, a barn, nine water supply wells, and a pump house. The map shows the supply wells as being approximately 100 feet north of Highway 21 (now East 2nd Street). This map is the only known reference to the nine wells. The total depth of these wells and the method of abandonment could not be determined from this record search.

ENVIRONMENTAL SUMMARY

Furthest Stage of Environmental Investigation

NONE

COMMENTS

There are no records indicating any potential environmental concerns related to DoD activities at this site.