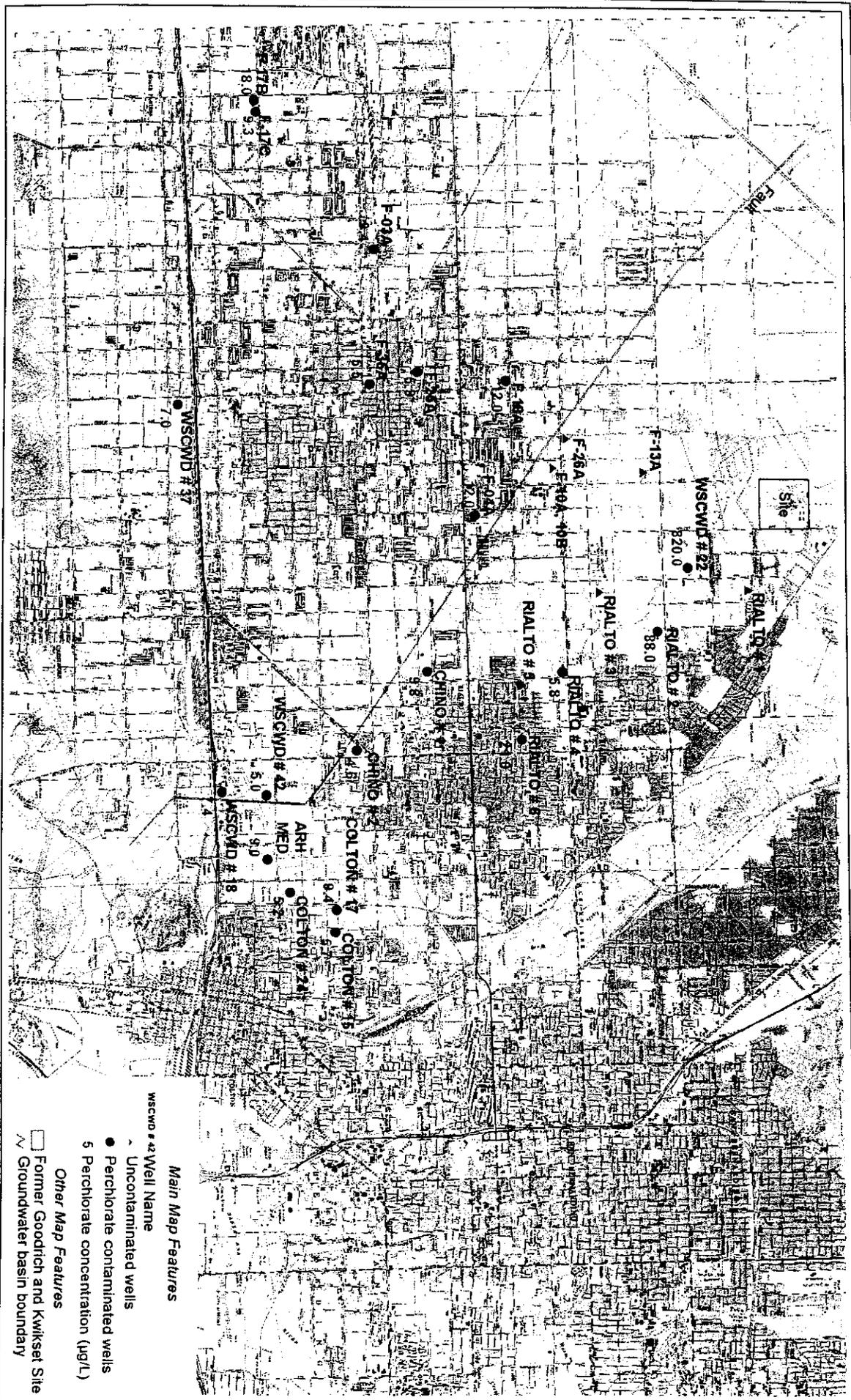


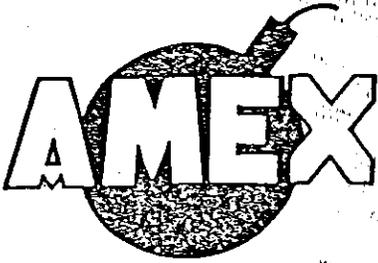
0 1 2 3 Miles



WELL LOCATIONS AND PERCHLORATE CONCENTRATIONS



- Main Map Features**
- WSCMD # 42 Well Name
 - ~ Uncontaminated wells
 - Perchlorate contaminated wells
 - 5 Perchlorate concentration (µg/L)
- Other Map Features**
- Former Goodrich and Kwikset Site
 - ∇ Groundwater basin boundary



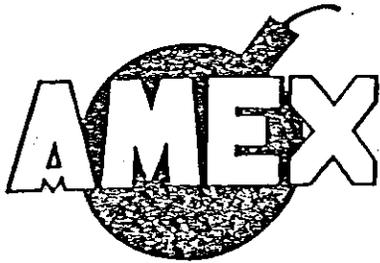
AMEX PRODUCTS, INC.

2298 W. STONEHURST • RIALTO, CALIFORNIA 92376

PHONE: (714) 823-1395

FACILITIES - BRIEF DESCRIPTION OF BUILDINGS

- I. Buildings - At Plant (Area A) owned by Amex (83,200 square feet of fenced property).
 - A. Offices and Engineering are housed in stucco building with wood floor. Total floor space is 1577 square feet.
 - B. The Laboratory is constructed of plywood and reinforced concrete with bullet-proof glass windows looking into the test cells. The laboratory (224 square feet) has two test cells, one of which houses hydraulic presses and the other a burning and mixing area. It is surrounded by earthworks approximately ten feet high.
 - C. Explosives Assembly and Mechanical Assembly buildings are metal buildings on cement slabs, 400 square feet each. Machine Shop is metal building on cement slab, 400 square feet.
 - D. The Chaff Building is a metal building on a concrete slab, 400 square feet.
 - E. The Wood and Plastics shop is a metal building on concrete slab, 400 square feet.
 - F. The Drying Building is a heavy wood frame building on a concrete slab of 192 square feet. It is surrounded by 10 foot revetments.
 - G. The Electronic Laboratory and Electrical shop is a metal building with wood floor laid over



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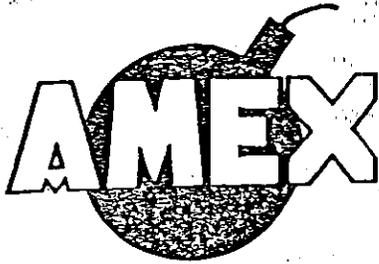
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a concrete slab of 220 square feet.

- H. Welding shop is a metal building on concrete slab.
- I. The vehicle maintenance and storage building is a metal building on a concrete slab of 1056 square feet.
- J. The explosives storage area at the immediate plant has a small cap magazine and wood storage building for explosives that are being processed. It is surrounded by ten foot revetments.

Proposed construction at Area "A" in the near future includes an underwater research pool (1900 square feet) and an engineering building of 576 square feet which will triple our Research and Development capability.

- II. Buildings - At Bunker (Area B) leased property with long term lease (10 years).
 - A. West of the bunker are two powder mixing and storage buildings (236 square feet) and a shed (100 square feet) for constructing test flares and other pyrotechnic devices. Powder is mixed at this location.



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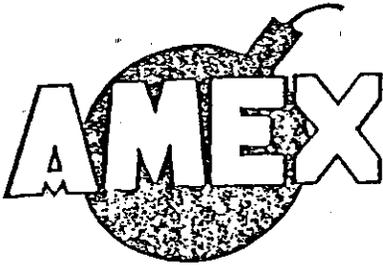
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- B. The Bunker is 25' X 90' (2250 square feet).
- C. Total leased space is 630,000 square feet.

III. Area C - TEST RANGE:

The test range is located on 15 acres northwest of the plant, abutting the Old Rialto Ammunition Depot on the North. (The plant abuts the Depot on the South). The range includes a cleared area of 300' x 1000' with a metal building on wooden runners (100 square feet) containing desk, test equipment, phone, radio communications equipment and work bench. Test range also contains a permanent test stand.



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MACHINERY AND EQUIPMENT

Machine Shop (Precision Equipment)

Lathes
Milling Machine
Press
Band Saw
Drill Presses
Grinding Wheels
Necessary associated benches and tools

Welding Shop

Helic Arc Welder
Electric Arc Welder
Plastic Welding Equipment
Oxy-acetylene Equipment
Chain falls
Grinding Wheel
Welding Tables
Associated jigs, tools, etc.

Explosive Assembly

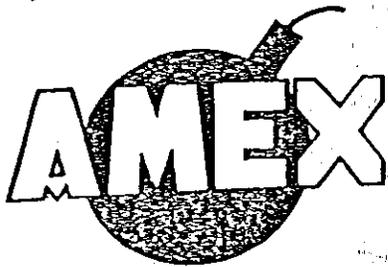
Hydraulic Presses
Arbor Press
Explosion Shields
Scales
Associated work benches and non-sparking tools

Chaff Shop

Chaff Pressing Equipment
Work benches

Wood and Plastic Shop

Radial Saw
Bench Saw
Circular Saws



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Wood and Plastic Shop (continued)

Joiner Plane
Lathe
Drill Press
Sanding Machine
Grinding Wheel
Jig Saw
Associated electrical and manual tools and woodworking benches

Mechanical Assembly

Work Benches
Drill Press
Soldering Equipment
Heat Sealing Equipment
Heat Shrinking Equipment
Electrical and manual hand tools

Electronic Laboratory

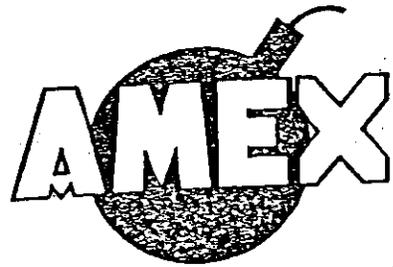
Voltmeters
Power Supply
Oscilloscopes
IR Equipment
Frequency Meters
Recording Equipment

Chemical Laboratory

Scales
Mixing equipment
Measuring and Screening Equipment
Hydraulic Presses up to 122 tons
IR Measuring Equipment
Underwater Test Tank

Drying Building

Trays, etc. for drying ingredients and mixtures
Humidity and Temperature Control Equipment



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Administrative/Engineering Offices

Usual Office Equipment
Reproduction Equipment including blueprint capability
Drafting Room and Equipment
IBM Microviewer
Citizen Band Communications System for communication
with vehicles, range and boat
Hewlett-Packard Computer

Vehicles

Instrumentation Van - Radar, frequency analysis equipment, IR measuring equipment, Communications equipment, Photographic equipment, close circuit TV camera and receiver.
One leased truck for pick-up and delivery
Two Explosives Delivery Trucks-two-way radio equipped.
One Station wagon for administrative trips and small explosives delivery-two-way radio equipped.
One 300 gal. Fire Engine
One fire fighting trailer
Emergency generator trailer

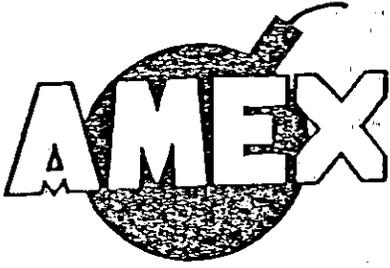
Test Boat

A 40' 16 ton ocean-going boat under long-term charter. The boat is equipped for launching of mortars and rockets and shallow water diving. The cruising range is 800-1000 nautical miles. Equipped with a galley and head, the boat has permanent accommodations for 3 persons and safety and lifesaving equipment for 34 persons. The following equipment is also permanently on board:

Electrical winches
Radio direction finder
Ship-to-Shore radio
Citizens Band radio
Recording fathometer
Autopilot
Navigation equipment

Test Area (15 acres)

Building equipped for range control



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Miscellaneous Equipment

- Surveying Equipment
- Gasoline Storage (100 gals.) and Pump
- Underwater camera and miscellaneous still cameras
- Portable communications equipment
- 16 mm. and 8 mm. movie cameras and analyst projector.
- Film developing and printing equipment

Note:

All production buildings equipped with electric power (110/220).

All buildings equipped with running water and compressed air.

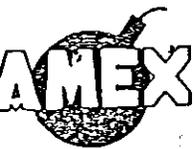
All buildings equipped with firefighting equipment.



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AMEX PRODUCTS LIST

	<u>SPEC. NO.</u>	<u>PART NO.</u>
I. <u>HAND-HELD</u>		
<u>SIGNALLING DEVICES</u>		
1. Emergency Signal Flare Kit	212	212
II. <u>UNDERWATER PRODUCTS</u>		
2. Underwater Illumination Flare	211-1	211-1
3. Underwater Flare Ignition Handle	211-11	211-11
4. Underwater Flare Parabolic Reflector	211-17	211-17
5. Underwater Explosive Signalling Devices	EXS	EXS
III. <u>3" MORTAR SYSTEM</u>		
6. 3" Mortar Round-Chaff Dispersing	111	111
7. 3" Mortar Round-Parachute Suspended Infrared Flare	339-2	339-2
8. 3" Mortar Round-Comet Burn Infrared Flare	233	233
9. 3" Mortar Round-Burst Pellet Infrared Flare	339-1	339-1
10. 3" Mortar Round-Parachute Suspended Illumination Flare	209-1	209-1
11. 3" Mortar Round-Parachute Suspended Red Signal Flare	209-2	209-2
12. 3" Mortar Launcher-Single Tube	369-1	369-1
13. Single-Tube Launcher Firing Control Box	369-2	369-2
14. 3" Mortar Launcher-10 Tube	120-4	120-4
15. 10 Tube Launcher Firing Control Box	362-4	362-4



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AMEX PRODUCTS LIST

	<u>SPEC. NO.</u>	<u>PART NO.</u>
IV. <u>CHAFF DISPERSING ROCKET HEADS</u>		
16. 105 mm Chaff Rocket Head (Italy)	349	349
17. 103 mm Chaff Rocket Head (Bofors)		132
18. 2.75" Chaff Rocket Head	332	332-1
19. 2.75" Sequential Burst	005-16	005-16
20. Chaff Loads for 63 mm Rocket (Italy)	131	347
21. 5" Chaff Rocket Head	123	331-1
V. <u>5" MORTAR SYSTEM</u>		
22. 5" Mortar Round-Chaff Dispersing	336	336
23. 5" Mortar Launcher-Ten Tube	124	124
VI. <u>MISCELLANEOUS MILITARY</u>		
24. ALE-29 Burst Flare (IR)	128	128-3
25. ALE-29 Burn Flare (IR)	128	128-2
26. 5" Gun Simulator	354	354
VII. <u>MISCELLANEOUS COMMERCIAL</u>		
27. 3" Illumination Flare-Studio	388	388
28. Booby Trap Illumination Flare	BTF	BTF
29. Hand-Held Parade Flare	PF	PF



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- Commissions
- Departments**
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- Building & Safety
- Code Enforcement
- Planning**
- Transportation & Engineering Services
- General Information

Whittaker-Bermite Property Clean-Up Information Page

Planning & Building Services:

- [Building & Safety](#)
- [Code Enforcement](#)
- [Planning](#)

City of Santa Clarita

- [Introduction](#)
- [Location Map](#)
- [City Council Approved 14 Point Action Plan](#)
- [December 2002 Signal Article \(PDF*\)](#)
- [Whittaker-Bermite Update 1st Edition – January 2003 \(PDF*\)](#)
- [Whittaker-Bermite Update – June 2003](#)
- [City of Santa Clarita - Cherokee Investment Partners Reimbursement Agreement for City Services Associated with Development of the Whittaker-Bermite Property](#)
- [Revised Reimbursement Agreement - May 8, 2003](#)
- [Army Corps Drilling Activity \(PDF*\)](#)

Castaic Lake Water Agency

- [Perchlorate Information](#)
- [Winter 2003 Newsletter – Perchlorate \(PDF*\)](#)

California Department of Toxic Substances Control (DTSC)

- [Site Cleanup - Site Mitigation and Brownfields Reuse Program Database – Whittaker/Bermite Facility](#)

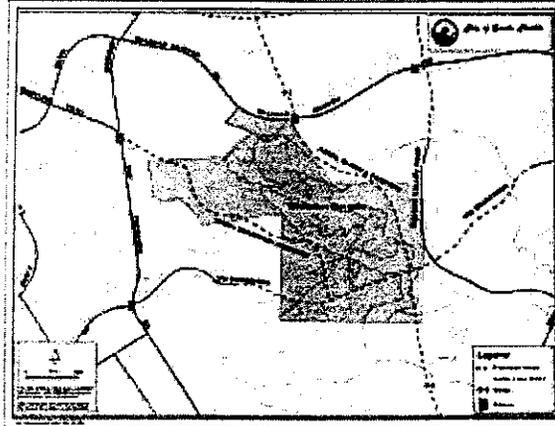
INTRODUCTION

At the core of the City lies a former industrial site. The 988.6 acre site was used for approximately 80 years as a military flare and munitions manufacturing facility. Manufacturing operations stopped in 1987. As a result of these manufacturing operations, the site is contaminated with various chemical compounds, including perchlorates and heavy metals, solvents and perhaps remnants of fired munitions (also known as ordnance). Chemical compounds left in the soil have traveled downward into the Valley's groundwater system. Specifically, perchlorate has reached groundwater that is part of the City's drinking water supply. As a result, four drinking water wells have been closed. Extensive clean-up of the site and groundwater is needed to

reduce risk to public health and safety and to allow the site to be reused in the future.

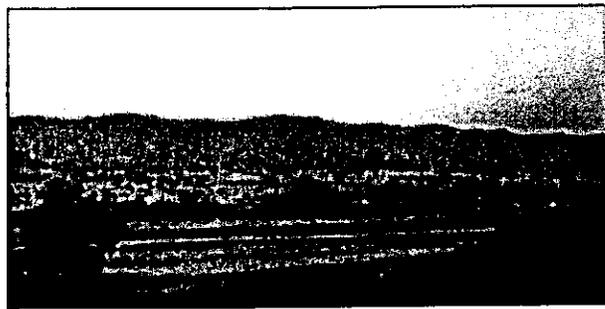
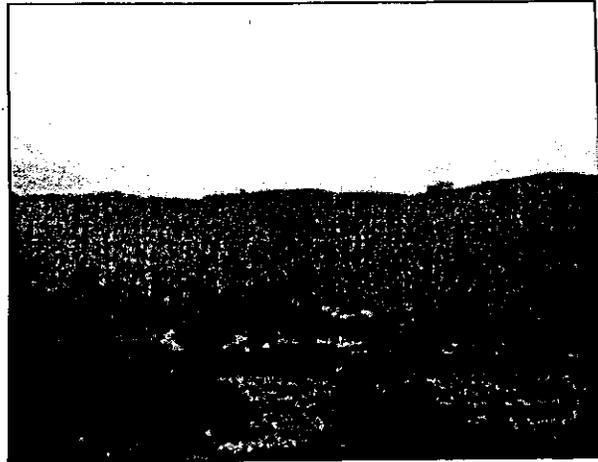
The City Council has assembled a team of experts and staff to work with community partners and stakeholders to get the property cleaned as quickly as possible. The purpose of this web page is to inform the community about the status of the clean-up and reuse of the property and groundwater. This page will be updated continually with new information.

LOCATION MAP



CITY COUNCIL APPROVED 14 POINT ACTION PLAN

1. Continue compliance review process of the Porta Bella Development Agreement.
2. Require Whittaker Corporation to clean the property to the "unrestricted use" clean-up standard.
3. Conduct due diligence on Cherokee and/or any new potential property owner.
4. Evaluate Whittaker Corporation's historic insurance for remediation funding.
5. Regularly update the public.
6. Conduct a site tour with the Department of Toxic Substances Control.
7. Monitor Army Corps of Engineers' projects.
8. Pursue federal, state and local funds for clean-up.
9. Coordinate multi-jurisdictional stakeholder group.
10. Pursue discussion with lien holders.
11. Pursue legislative support for an expedited action plan.
12. Consider involving other regulatory agencies in motivating clean-up.
13. Conduct research on other successful perchlorate clean-up projects.
14. Monitor Castaic Lake Water Agency lawsuit against Santa Clarita, LLC and Whittaker Corporation.



**Some of these documents are in Adobe Acrobat Reader format;
if you don't have the Reader, it can be downloaded for free.*



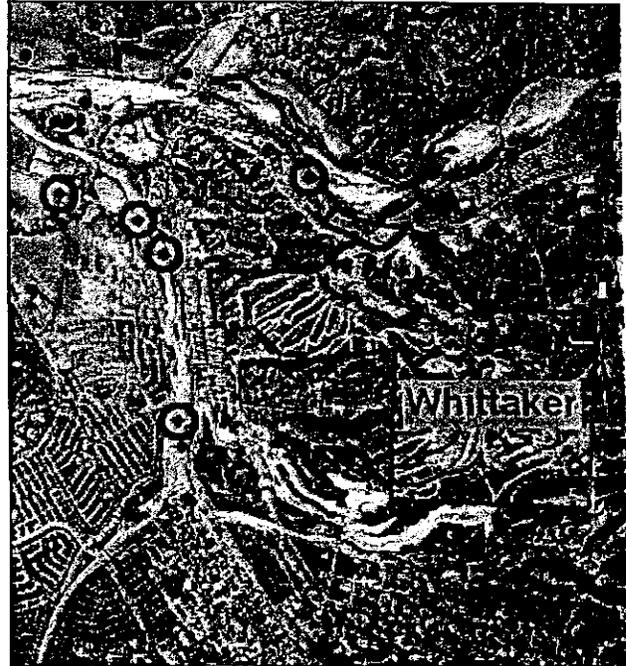
Todd Engineers

Groundwater - Water Resources - Hydrogeology - Environmental Engineering

Hydrogeologic Assessment of Perchlorate Contamination Santa Clarita Valley Los Angeles County, California

Five municipal water supply wells located in the Santa Clarita Valley have been found to be contaminated with perchlorate, a toxic chemical associated with the manufacture of fireworks, explosives, and munitions.

Perchlorate had historically been used in large quantities at a nearby former manufacturing facility known as the Whittaker Corporation Bermite Facility. Environmental investigations at the Whittaker site found perchlorate in onsite dumps, incineration areas, wastewater, soil, sediment, surface water, and groundwater.



Key Issues

- Five municipal water supply wells shut down due to perchlorate contamination
- Water companies sue former missile and munitions manufacturer
- Todd Engineers retained to assess perchlorate sources

Todd Engineers reviewed operational and environmental data available for the Whittaker site, environmental data regarding other potential responsible parties, as well as regional hydrogeologic information. Todd Engineers concluded that perchlorate contamination found in the offsite water

Several water purveyors operating in the area filed suit against the Whittaker Corporation and the current property owners for damages related to perchlorate contamination in the water supply wells. Todd Engineers was retained by the water agencies to provide expert opinions regarding the causes, mechanisms, and future impacts of the perchlorate contamination.

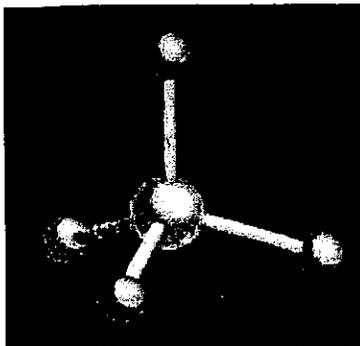
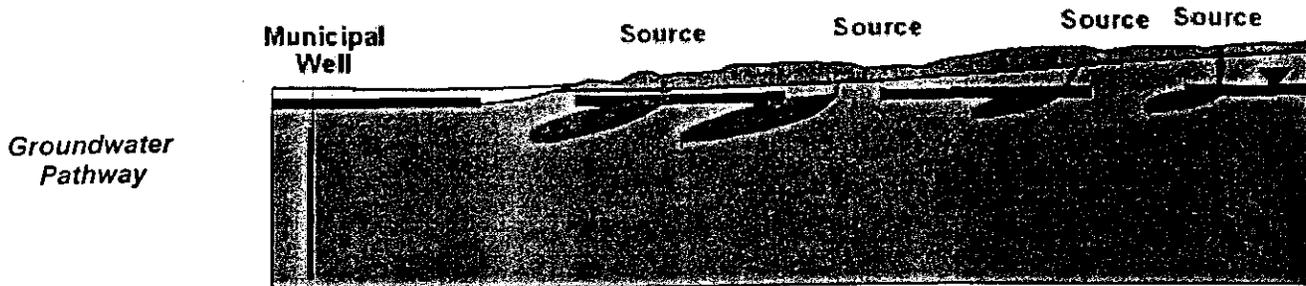
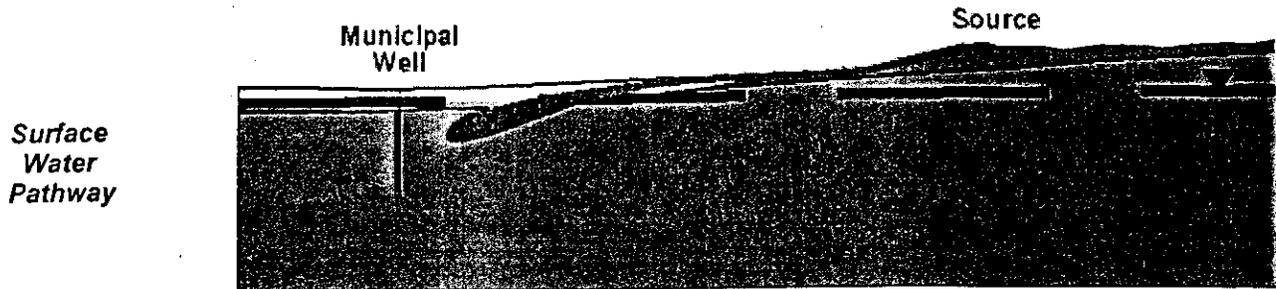
Services Provided

- Assessed perchlorate sources, transport, and fate
- Prepared expert report
- Provided deposition testimony
- Developed strategies for containment

supply wells was caused by the migration of perchlorate from the Whittaker site.

- Presented study results to government and regulatory community

The data indicate that multiple mechanisms and pathways are acting to transport perchlorate from the Whittaker site to downgradient supply wells. In brief, surface water transports the perchlorate downstream of the site where it can percolate to groundwater. Perchlorate is also transported downward through the soil column where it can enter the groundwater system directly below the site. Dissolved perchlorate then migrates downgradient through permeable subsurface strata.



Perchlorate

- Recently detected in a number of water supply wells across California
- Toxic at low concentrations
- Highly soluble and mobile - capable of forming significant groundwater plumes
- Stable in groundwater systems - can persist for decades
- Difficult to remediate with current technology

Todd Engineers
 2200 Powell Street, Suite 225
 Emeryville, California 94608-1809

phone: 510/595-2120
fax: 510/595-2112

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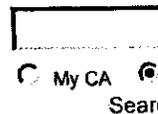
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[Employment](#)

[How to Contact DTSC](#)

[Site Map](#)

Department of Toxic Substances Control



DTSC: Site Cleanup

Site Cleanup - Site Mitigation and Brownfields Reuse Program Database

All public inquiries regarding data should be directed to the Site Mitigation and Brownfields Reuse Program Database (CalSites) Helpdesk at (916) 323-3400.

Profile Report --

ID:19281087 - WHITTAKER/BERMITE FACILITY

22116 SOLEDAD CANYON RD
SAUGUS CA 91350

County: LOS ANGELES

Branch: SO CAL - GLENDALE

DTSC Reg



Status: 04/14/1995 - ANNUAL WORKPLAN - ACTIVE SITE

Lead: DEPT OF TOXIC SUBSTANCES CONTROL

Type: RESPONSIBLE PARTY

NPL: NOT LISTED

Project Manager: Kenneth Baez - (818) 551-2962 Email: KBAEZ@dtsc.ca.gov

SIC: 28 - MANU - CHEMICALS & ALLIED PRODUCTS

Assembly District: 38 Senate District: 19

Site History

Whittaker-Bermite is a former manufacturing facility located on approximately 996 acres in Santa Clara County. Residential housing is located to the south and southwest at the boundary of the site. Approximately ten acre portion of the northern border portion of the site has been converted into a commuter rail station. Approximately 12 acres dedicated for Golden Valley Road, has been partially constructed along a portion of the site. The site contained approximately 350 buildings located throughout the site which were used for manufacturing, storage and testing of explosives and administrative purposes. From 1934 until 1987 dynamite, practice bombs, flares, fireworks, oil field explosives, igniters, gas generators, ammunition rockets, and sidewinder and spin rocket motors. Material or mixtures of materials used at the site included azide, red phosphorus, barium, zinc, copper, chromium, and chlorinated solvents such as Tetrachloroethylene (PCE) and Trichloroethylene (TCE). Potassium perchlorate and ammonium perchlorate were also used as oxidizer component of propellant mixtures. The facility was operating under interim status under RCRA until 1983, when it was operating fourteen hazardous waste treatment, storage and disposal units. In November 1983, Whittaker filed three letters with DTSC describing the closure activities of these fourteen interim status units. DTSC acknowledged Whittaker's certification of closure for thirteen of the fourteen regulated hazardous waste management units. The one remaining hazardous waste management unit (now operable unit #6), an impoundment containing TCE contaminated soil will be cleaned up under the OU2/OU6 RI/FS. In 1991, Whittaker identified Solid Waste Management Units (SWMUs) to U.S. EPA. In 1992, DTSC executed a warrant which uncovered paperwork identifying additional potential SWMUs at the site that were not reported in previous reports. In October 1992, Whittaker Corporation submitted a PEA to DTSC for a 10.3 acre parcel containing four SWMUs. This parcel would be used as a commuter rail station by the city of San Jose. The PEA determined that the site did not pose a threat to human health or the environment. DTSC also determined that the site conditions differed from those presented in the PEA, then further characterization/remediation work was initiated.

required. In 1993, a soil investigation by DTSC in the Burn Valley area of the site detected 92,000 mg/kg lead, 36,000 mg/kg copper, 550 mg/kg chromium, 1,300 mg/kg barium. Thirty-two percent of was also identified at the New Lead Azide area. On January 11, 1999, the Whittaker Corporation sold its Bermite facility to Santa Clarita L.L.C. (SCLLC), an affiliated entity of Remedial Financial, (RFI). RFI is an Arizona corporation doing business in California. SCLLC is conducting site investigations at the Site in order to develop the Site for residential and commercial use. Designated an operable unit (OU) for the 996 acre site in April 1999. In designating seven (7) OUs as is placed on specific areas, migration pathways, and releases in discrete parts of the Site with the intent of addressing public health and environmental concerns first along with the needs of the community. The boundaries were drawn by drainage basin. OU6 within OU2, is the one remaining RCRA hazardous waste management unit. OU7 is sitewide groundwater. OU1 was broken up into sub-OUs to accommodate the need for a road leading to a proposed new school site. The extension of Golden Valley Road traverses the northeastern portion of the site for access to the New Golden Valley High School. To accommodate the district's need for the road and school, the north eastern section of OU1 had to be investigated on a site-by-site basis. A PEA was conducted on OU1A, OU1B, and OU1C. Golden Valley Road alignment is within the No SWMU's were ever identified on the portion of the site covered by OU1A, OU1B, and OU1C. A RCRA Investigation Baseline Risk Assessment was prepared for OU1E in December 2000. OU1E has been identified as a source area for perchlorate and VOCs, and will require an interim remedial measure (IRM) removal. North and South was investigated under the Remedial Investigation and Feasibility Study (RI/FS) protocol. Additional soil characterization for OU1D North and OU1D South is still required. All of these sub-OUs are included in the final Remedial Action Plan (RAP) for OU1. Under DTSC's direction, SCLLC's contract is for conducting site-wide ordnance and explosive waste (OEW) clearance work as a part of the restoration. The work consists of a geophysical instrumentation clearance with anomaly excavation performed by an Unexploded Ordnance (UXO) specialist. Subsequent work consists of a UXO specialist performing cleanup support during the initial phases of grading. All OEW items recovered will be treated and stored in accordance with a DTSC approved site-wide UXO Removal Action Workplan (RAW). Santa Clarita, L.L.C. (SCLLC) is conducting investigation activities in OU1 that are nearly complete. Attention was focused on a perchlorate and explosive area in OU1E. DTSC provided oversight during these field activities. A draft Remedial Investigation and Risk Assessment was submitted in December 2000. DTSC reviewed the Report and provided comments awaiting a response. Draft workplan for OU1E IRM submitted March 30, 2000. DTSC reviewed the comments provided; DTSC is still awaiting a response. Field mapping of OU-2/OU-6 and OU-3 occurred in 2000. DTSC staff along with SCLLC's consultants walked each OU identifying areas of artificial fill or concern. The maps produced as a result of these activities will be used for the RI/FS. No fieldwork has been conducted in the OU2/OU6 area. SCLLC submitted a draft RI/FS workplan for the investigation of sitewide groundwater (OU-7). This workplan is in the process of being finalized. To expedite this investigation, a technical memo that address specific areas and components of the investigation were finalized by April 21, 2000. Information produced as a result of these technical memo is necessary for completion of the RI/FS and necessary to devise a mutually acceptable strategy for the addressing on-site source areas that impact groundwater.

Comments

01/20/1983 FACILITY IDENTIFIED ID FROM LA CHAM COMM DIR 1969-70. MFG-EXPLOSIVES.

05/04/1983 HWMB, L.A. ISD, EPA ID #CAD064573108.

08/25/1985 TSD facility. Large quantity generator and transporter. Part A application submitted.

11/21/1994 The consent order is entered into by DTSC and the Whittaker Corporation. The actual and/or threatened release of hazardous substances at the site requires respondent to take necessary corrective action to remove the threat of a release, or to determine the nature and extent of the release and adequately characterize the site, prepare a remedial action plan, and complete the necessary removal or remedial actions. Actions required by the consent order are necessary to protect public health, welfare and the environment.

06/30/1997 Mid 1997, perchlorate was detected in four local drinking water wells located outside the property boundaries. In April of 1998, additional sampling confirmed that perchlorate was detected in the Santa Clarita Water Company's Saugus 1 and 2 wells at concentrations of 36 mg/L and 45 mg/L, respectively, the Valencia

Water Company's V-157 well at 9.6 mg/L, and the Newhall County Water District's NC-11 well at 18 mg/L. Subsequent investigations in 1997 and 1998 detected perchlorate in the soil and groundwater beneath the Whittaker Bermite site.

10/17/1997 Whittaker submitted an initial groundwater investigation plan to investigate the northern portion of the Bermite Facility. DTSC reviewed and approved the Plan on October 22, 1997. Field activities began on October 27, 1997.

11/05/1997 Whittaker submits Remedial Investigation Workplan dated July 1995. DTSC commented on the workplan and approved it in August 1995. RI work started in September of 1995.

January 1997, Whittaker submitted the draft RI report addressing contamination at the Bermite Facility. DTSC found the document incomplete and asked for further characterization in May and July 1997.

02/01/1999 February 1999, the William S. Hart School District plans to construct the Golden Valley High School southeast of the Bermite Site. In order to construct the high school, the City of Santa Clarita must extend the Golden Valley Road to the proposed school site. The alignment of this road goes through the eastern most portion of the Bermite Site (approximately 2,500 feet long and 400 feet wide). The School District's construction schedule requires grading of the school site to be completed by February 2000 in order for the high school to open in September 2001. A focused investigation of the drainage basins associated with the roadway was approved by DTSC.

02/11/2000 DTSC completed review of the OU1A, OU1B, and OU1C Preliminary Endangerment Assessment (PEA), and granted "conditional" No Further Action (NFA) status to the Golden Valley Road alignment. Phase 1 of the ordnance and explosive waste (OEW) clearance activities has been completed for the road alignment. Upon completion of Phase 2 of the OEW clearance (which will take place during initial grading), unconditional NFA status will be granted. Once OEW clearance activities have been completed on the remaining portions of OU1A, OU1B, and OU1C, the same NFA status will be granted.

04/21/2000 Four technical memos addressing impacts to groundwater with specific goal were approved by DTSC to expedite the site wide groundwater investigation.

02/14/2001 Santa Clarita LLC signed the Enforceable Agreement (EA) to conduct site investigation and restoration activities as a responsible party pursuant to H&SC section 25187(a)3 and 25323.5. The EA outlines specific DTSC requirements for soil and groundwater investigation and remediation activities.

05/03/2001 A draft Ordnance and Explosive Work Remedial Action Workplan (OEW RAW) was prepared addressing the available treatment options to deal with any reactive OEW during the Remedial Investigation for the Site.

11/02/2001 Phase III of Golden Valley Road grading and UXO Escort and Construction Support completed. Construction of Golden Valley

- Road resumed and expected to be completed by April 2002.
- 03/07/2002 Unconditional No Further Action granted for the Golden Valley Road Alignment portion of operable Unit 1A, B, and C. Investigation did not identify any Hazardous Substances.
- 08/21/2002 RAW – Ordnance Explosives (waste) Removal Action Workplan. Provides for the storage and treatment of Ordnance Explosives (OE) items identified during RI/FS for chemicals of potential concern for the entire site. Avoids the need for Emergency Permitting for the treatment of OE items identified during RI/FS.

CEQA – CEQA Review for the Initial Study prepared for the Former Whittaker-Bermite Facility - NOD was also prepared for Negative Declaration.

- 11/27/2002 I & SE order for RI/FS - RAW/RAP.
- 03/04/2003 The purpose of the Environmental oversight Agreement is to evaluate data obtained from investigations conducted by CLWA to determine whether or not well head treatment is feasible for the perchlorate impacted wells.

The Water Purveyors collectively referred to as - Castaic Lake Water Agency are not considered an RP with this environmental oversight agreement.

-Four Municipal Supply Wells (NC-11, V-157, Saugus 1 and Saugus 2) were impacted by perchlorate contamination in 1997. This detection prompted the Water Agency to shut down the four wells. In an effort to expedite clean-up of the affected aquifer CLWA has initiated an investigation to provide data instrumental in evaluating various treatment options. The nearby former Whittaker Bermite Site has been identified as the source of perchlorate contamination. The former Whittaker Bermite Site is owned by Remediation Financial, Inc., which has been identified by DTSC to be out of compliance with the enforceable agreement. (Docket No. HSA-A 00/01-174). Whittaker Corporation has been ordered to resume cleanup of the site (Docket No IS & E 02/03-009)

Potential/Confirmed Hazardous Waste

No data available at this time.

Identification Information

RWQCB Region: LOS ANGELES
File Name:

Associated IDs

Code	Description	Value
CSTAR	CALSTARS CODE	300245
EPA	EPA IDENTIFICATION NUMBER	CAD064573108

Names Used For This Site

BERMITE DIVISION
WHITTAKER-BERMITE
WHITTAKER/BERMITE FACILITY

Addresses Used For This Site

22116 WEST SOLEDAD CANYON ROAD SAUGUS CA 91350
22116 SOLEDAD CANYON RD SAUGUS CA 91350

Special Characteristics

No data available at this time.

Access: No data available at this time.

Groundwater Contamination: No data available at this time.

Operational Methods

No data available at this time.

Commitment Information

Code	Desc.	Due Date	Revised	Completed	Activity
DISC				01/20/1983	DISCOVERY
ORDER				11/21/1994	I/SE, IORSE, FFA, FFSRA, VCA, EA
PEA	OU-1C			02/11/2000	PRELIMINARY ENDANGERMENT ASSES
PEA	OU-1A			02/11/2000	PRELIMINARY ENDANGERMENT ASSES
PEA	GVRD.			02/11/2000	PRELIMINARY ENDANGERMENT ASSES
PEA	OU-1B			02/11/2000	PRELIMINARY ENDANGERMENT ASSES
ORDER				02/14/2001	I/SE, IORSE, FFA, FFSRA, VCA, EA
PEA	PEAE			03/07/2002	PRELIMINARY ENDANGERMENT ASSES
CEQA	OEW			08/21/2002	CEQA INCLUDING NEGATIVE DECS
RAW	OEW	12/30/2002		08/21/2002	REMOVAL ACTION WORKPLAN
ORDER	I&SE			11/27/2002	I/SE, IORSE, FFA, FFSRA, VCA, EA
ORDER	VCAWP			03/04/2003	I/SE, IORSE, FFA, FFSRA, VCA, EA
RIFS	OU-1E	07/30/2003	07/30/2004		REMEDIAL INVESTIGATION / FEASIBILIT
RIFS	OU-4	07/31/2003	07/30/2004		REMEDIAL INVESTIGATION / FEASIBILIT
RIFS	OU-3	07/30/2003	07/30/2004		REMEDIAL INVESTIGATION / FEASIBILIT
RAP	GW	07/31/2004			REMEDIAL ACTION PLAN / RECORD OF
RIFS	OU-5	09/30/2003	09/30/2004		REMEDIAL INVESTIGATION / FEASIBILIT
RIFS	OU-2	12/30/2003	12/30/2004		REMEDIAL INVESTIGATION / FEASIBILIT
RIFS	GW	12/30/2003	12/30/2004		REMEDIAL INVESTIGATION / FEASIBILIT
RAW	OU-1E	12/31/2003	12/31/2004		REMOVAL ACTION WORKPLAN
DES	GW	06/30/2005			DESIGN
RA	OU-1E	07/31/2004	07/30/2005		REMOVAL ACTION
DES	SOIL	06/30/2006			DESIGN
RAP	SOIL	06/30/2006			REMEDIAL ACTION PLAN / RECORD OF

RMDL GW 07/31/2006
RMDL SOIL 12/30/2006
CERT 04/30/2010

REMEDIAL ACTION (RAP REQUIRED)
REMEDIAL ACTION (RAP REQUIRED)
CERTIFICATION



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U.S. Environmental Protection Agency National Priorities List

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6814 Federal Register / Vol. 64, No. 28 / Thursday, February 11, 1999 / Rules and Regulations

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 300
[FRL-6232-1]

National Oil and Hazardous Substances Contingency Plan; National Priorities List Update

AGENCY: Environmental Protection Agency.

ACTION: Notice of deletion of the Whittaker Corporation Superfund Site from the National Priorities List (NPL).

SUMMARY:

The Environmental Protection Agency (EPA) announces the deletion of the Whittaker Corporation Superfund Site in Minnesota from the National Priorities List (NPL). The NPL is Appendix B of 40 CFR part 300 which is the National Oil and Hazardous Substances Contingency Plan (NCP), which EPA promulgated pursuant to section 105 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended. This action is being taken by EPA and the State of Minnesota, because it has been determined that Responsible Parties have implemented all appropriate response actions required. Moreover, EPA and the State of Minnesota have determined that remedial actions conducted at the site to date remain protective of public health, welfare, and the environment.

EFFECTIVE DATE:

February 11, 1999.

FOR FURTHER INFORMATION CONTACT:

Gladys Beard, Associate Remedial Project Manager, Superfund Division
U.S. EPA Region V
77 West Jackson Blvd.
Chicago, IL 60604
(312) 886-7253

Information on the site is available at the local information repository located at:

Minnesota Pollution Control Agency
520 Lafayette Rd. North
St. Paul, Minnesota 55155-4194

Requests for comprehensive copies of documents should be directed formally to the Regional Docket Office. The contact for the Regional Docket Office is

Jan Pfundheller (H-7J)
U.S. EPA, Region V
77 W. Jackson Blvd.
Chicago, IL 60604
(312) 353-5821

SUPPLEMENTARY INFORMATION:

The site to be deleted from the NPL is: Whittaker Corporation located in Minneapolis, Minnesota. A Notice of Intent to Delete for this site was published December 14, 1998 (63 FR 68714). The closing date for comments on the Notice of Intent to Delete was January 12, 1999. EPA received no comments and therefore no Responsiveness Summary was prepared.

The EPA identifies sites which appear to present a significant risk to public health, welfare, or the environment and it maintains the NPL as the list of those sites. Sites on the NPL may be the subject of Hazardous Substance Response Trust Fund (Fund-) financed remedial actions. Any site deleted from the NPL remains eligible for Fund-financed remedial actions in the unlikely event that conditions at the site warrant such action. Section 300.425(e)(3) of the NCP states that Fund-financed actions may be taken at sites deleted from the NPL in the unlikely event that conditions at the site warrant such action. Deletion of a site from the NPL does not affect responsible party liability or impede agency efforts to recover costs associated with response efforts.

List of Subjects in 40 CFR Part 300

Environmental protection, Air pollution control, Chemicals, Hazardous substances, Hazardous Waste, Intergovernmental relations, Penalties, Reporting and recordkeeping requirements, Superfund, Water pollution control, Water supply.

Dated: January 27, 1999.

William E. Munro,
Acting Regional Administrator, Region V.

40 CFR part 300 is amended as follows:

PART 300--[AMENDED]

1. The authority citation for Part 300 continues to read as follows:

Authority: 33 U.S.C. 1321(c)(2); 42 U.S.C. 9601-9657; E.O. 12777, 56 FR 54757, 3 CFR, 1991 Comp.; p.351; E.O. 12580, 52 FR 2923, 3 CFR, 1987 Comp.; p. 193.

Appendix B--[Amended]

2. Table 1 of Appendix B to part 300 is amended by removing the Site "Whittaker Corp., Minneapolis, Minnesota."

[FR Doc. 99-3142 Filed 2-10-99; 8:45 am]

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Last updated on Monday, April 7th, 2003
URL: <http://www.epa.gov/superfund/sites/npl/d990211.htm>

Union Bank

CENTURY CITY

OFFICE

ESCROW DEPARTMENT

ESCROW INSTRUCTIONS

ESCROW No. 206-480

DATE APRIL 24, 1974

TO UNION BANK

The previous instructions in the above numbered escrow are hereby modified—supplemented and/or amended in the following particulars only:

The undersigned WHITTAKER CORPORATION hands you herewith a Grant Deed to ROBERT LEONARD KENNARD, a married man, covering property described as:

The east 150 feet, measured along the northerly line thereof, of that portion of the south 660 feet of the northwest $\frac{1}{4}$ of Section 28, Township 1 North, Range 5 West, San Bernardino Meridian, in the County of San Bernardino, State of California, according to the official plat thereof, described as follows:

Commencing at a point in the south line of said northwest $\frac{1}{4}$, distant North $89^{\circ} 51'$ West 1319.36 feet thereon from the center of said Section 28; thence along a line that bears North $0^{\circ} 32'$ West to a point that bears South $0^{\circ} 32'$ East 150.32 feet from the North line of said South 660 feet; thence South $79^{\circ} 37'$ West to a point in the west line of said Section 28 for the true point of beginning; thence North $0^{\circ} 37' 45''$ West 390 feet to the northwest corner of the South 660 feet of the northwest $\frac{1}{4}$ of said section 28; thence South $89^{\circ} 51'$ East 300 feet along said north line; thence South $0^{\circ} 37' 45''$ East to a point in a line that bears North $79^{\circ} 37'$ East from the true point of beginning; thence South $79^{\circ} 37'$ West to the true point of beginning.

You are authorized to use and record said Deed without further consideration to the Seller when Title Insurance and Trust Company can re-issue their Policy of Title Insurance No. 658439 showing a corrected legal description to include the property described above, said property being subject only to all 1974-1975 general and special taxes and items 1 thru 3 as shown on that certain Preliminary Report of Title #675533 dated February 11, 1974. Instruct the title company to affix \$-0- Documentary Transfer Tax to the Deed.

The parties will hand you sufficient funds in order to enable for you to comply with these instructions and in accordance with the original Escrow Instructions.
END OF INSTRUCTIONS.

EACH OF THE UNDERSIGNED STATES HE HAS READ THE FOREGOING INSTRUCTIONS AND UNDERSTANDS AND AGREES TO THEM.

WHITTAKER CORPORATION,
a corporation

By: _____

Robert Leonard Kennard

By: _____

AMMEX Products/Whittaker

Q-1

AMMEX PRODUCT	CONTEMPORARY TRADE FORMULA	PERCHLORATE (Percent by Weight)
Emergency Signal Flare Kit Red Signal Flares	Ellern, Formulas 60 & 61, p 362	K Perchlorate 15% & 25%
Green Signal Flares	Ellern, Formula 54, p. 361	K Perchlorate 16%
3-inch Mortar Round - Chaff	MMR, p. 1 Mortar 81mm	K Perchlorate 12.30%
3-inch Mortar Round - Parachute Suspended Infrared Flare	MMR, p. 1 Mortar 81mm	K Perchlorate 12.30%
3-inch Mortar Round - Comet Burn Infrared Flare	MMR, p. 1 Mortar 81mm	K Perchlorate 12.30%
3-inch Mortar Round - Burst Pellet Infrared Flare	MMR, p. 1 Mortar 81mm	K Perchlorate 12.30%
3-inch Mortar Round - Parachute Suspended Illumination Flare	MMR, p. 1 Mortar 81mm	K Perchlorate 12.30%
3-inch Mortar Round - Parachute Suspended Red Signal Flare	MMR, p. 1 Mortar 81mm	K Perchlorate 12.30%
105mm Chaff Rocket Head (Italy)	MMR, p. 1 Mortar 81mm	K Perchlorate 12.30%
105mm Chaff Rocket Head (Bofors)	MMR, p. 1 Mortar 81mm	K Perchlorate 12.30%
5-inch gun simulator	Ellern, Formula 43, p. 360	K Perchlorate 35%
Booby Trap Illumination Flare	Ellern, Formula 49, p. 359	K Perchlorate 73%
Hand-held Parade Flare	Ellern, Formula 96, p. 367	K Perchlorate 52%