Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

September 23, 2015

Mr. Konradt Bartlam
City Manager
City of Chino Hills
14000 City Center Drive
Chino Hills, CA 91709

COMMUNITY ENGAGEMENT PLAN, AEROJET CHINO HILLS, END OF WOODVIEW ROAD, CHINO HILLS, CALIFORNIA (EPA ID NO. CAD981457302)

Dear Mr. Bartlam:

Attached is the final version of the Community Engagement Plan (CEP) for the subject facility, the draft of which was sent to you on July 15, 2015. Please note that the CEP is a living document that is subject to revision as conditions warrant.

If you have any questions, please feel free to call me at (714) 484-5316 or Stacey Lear at (714) 484-5354.

Sincerely,

Robert Romero

Robert Romero, P.E.
Office of Engineering and Special Projects

Attachment

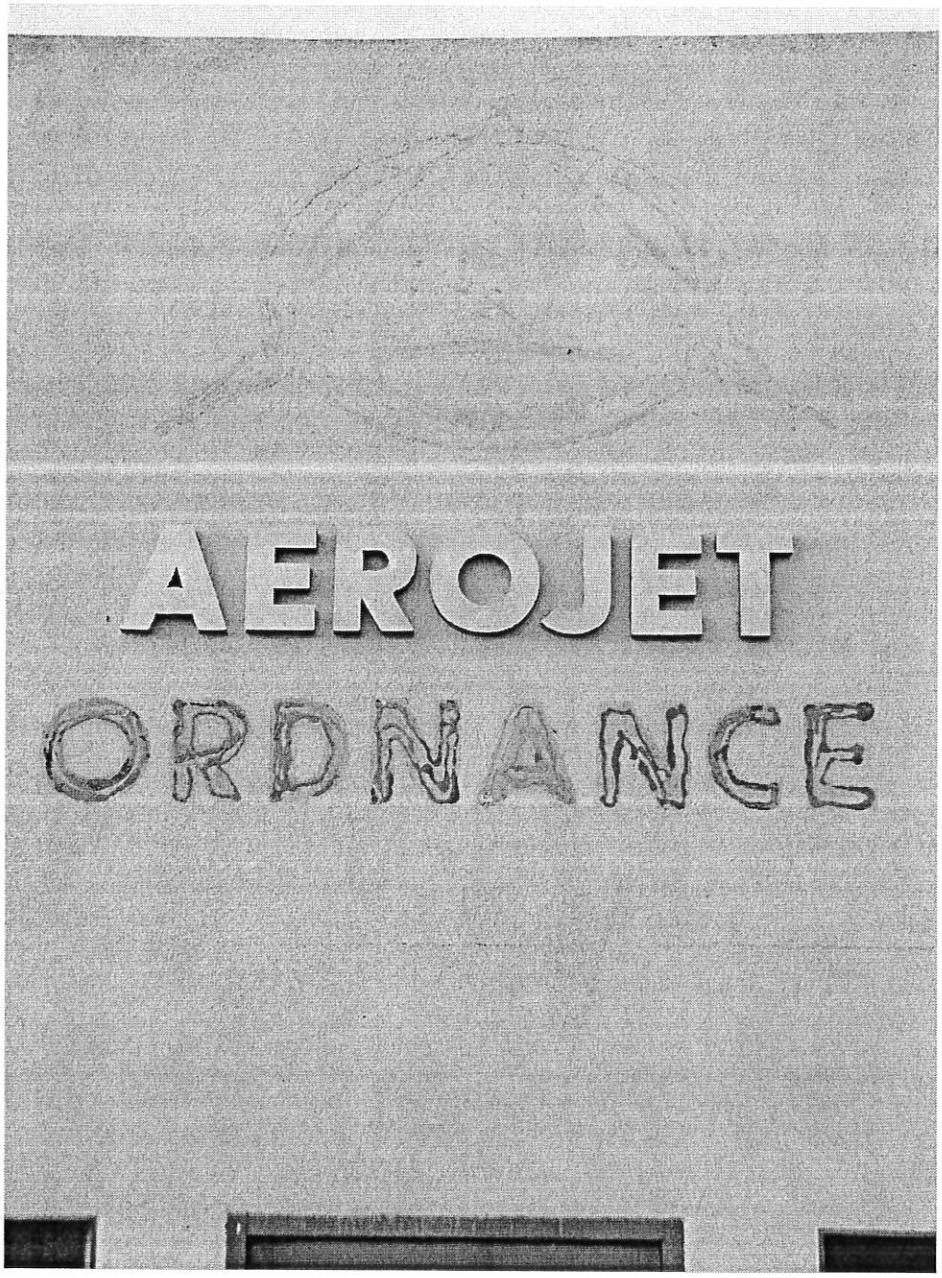
cc: Ms. Stacey Lear
Public Participation Specialist
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630

Printed on Recycled Paper

Mr. J.T. Liu, Unit Chief
Engineering and Special Projects Office
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630

Mr. Roman Racca
State-Wide Munitions Response Coordinator
Brownfields and Environmental Restoration Program
Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, CA 95826

Aerojet Rocketdyne Chino Hills Ordnance Facility
Community Engagement Plan



September 2015

ADMINISTRATIVE APPROVAL

This Community Engagement Plan was developed specifically for the Aerojet Rocketdyne Chino Hills Ordnance Facility under the oversight of the State of California, Department of Toxic Substances Control (DTSC) and in compliance with DTSC's 2001 Public Participation Policy and Procedures Manual. This final Community Engagement Plan is acceptable to and is approved by DTSC. *This Community Engagement Plan may be revised as deemed appropriate by DTSC.*

Signature: Stacey Lear Date: 09/22/2015
Stacey Lear, Public Participation Specialist, Office of Communications

Signature: Robert Romero Date: 9/22/15
Robert Romero, P.E. Project Manager, Brownfields and Environmental Restoration Program

for Signature: Robert Romero Date: 9/22/15
Ju-tseng Liu, Supervisor, Brownfields and Environmental Restoration Program

for Signature: Robert Romero Date: 9/22/15
Roman Racca. P.G. Senior Engineering Geologist, Brownfields and Environmental Restoration Program

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1.0 Overview of the Community Engagement Plan

1.1 Introduction

This Community Engagement Plan (CEP) is required by the California Environmental Protection Agency Department of Toxic Substances Control (DTSC) as part of its approval of the cleanup plan for the former Aerojet-General Corporation (Aerojet Rocketdyne) Chino Hills Ordnance Facility. This engagement plan is designed to identify the communication resources available to the community surrounding the former Chino Hills facility including safety information and procedure to follow in the event potential munitions and explosives of concern (MEC) or MEC-like materials are encountered. DTSC is the lead agency responsible for ensuring Aerojet-Rocketdyne implements and maintains this engagement plan.

1.2 Objective

The former Aerojet Rocketdyne Chino Hills facility is undergoing restoration and transition from a former ordnance assembly and testing facility for the United States Armed Forces to a property that presents a potential beneficial reuse for the City of Chino Hills. Similar military sites have undergone restoration activities that have allowed for designated reuse, including residential development. Remediation activities are being completed with a goal that provides for the best level of human health and safety based on the final reuse option for the property. Reuse options will be recommended by Aerojet Rocketdyne and DTSC will certify the cleanup is appropriate for that reuse(s).

Whatever the final disposition of the Aerojet Rocketdyne property, the objective of the Community Engagement Plan is to perform outreach and identify the resources available to the Chino Hills community regarding the cleanup activities performed at the former Aerojet Chino Hills facility. In its implementation, this engagement plan will provide proactive communication tools to members of the community, and provide resources to make informed decisions and conduct safe actions in the event suspected MEC or MEC-like materials are encountered.

Specifically, this plan will:

- Provide background information on the nature of the former Aerojet activities;
- Identify methods to communicate with the local community;
- Detail a MEC safety information program;
- Provide a timeline for implementation of the CEP; and
- Provide for periodic review and evaluation of this CEP as necessary to facilitate effective community outreach.

1.3 Points of Contact

Aerojet Rocketdyne's Environmental Health and Safety Department (EH&S) is overseeing the environmental cleanup activities of the Chino Hills facility under the regulatory oversight of the California Department of Toxic Substances Control (DTSC). Please contact the following personnel for questions about the Aerojet Rocketdyne project or this CEP.

Points of contact:

California Department of Toxics Substances Control

- Robert Romero, Project Manager
  Department of Toxic Substances Control
  5796 Corporate Avenue
  Cypress, CA 90630-4732
  E-mail: Robert.Romero@dtsc.ca.gov
  (714) 484-5316

- Stacey Lear Public Participation Specialist
  Department of Toxic Substances Control
  5796 Corporate Avenue
  Cypress, CA 90630-4732
  E-mail: Stacey.Lear@dtsc.ca.gov
  (714) 484-5354

- Maya Akula, Public Participation Supervisor
  Department of Toxic Substances Control
  5796 Corporate Avenue
  Cypress, CA 90630-4732
  E-mail: Maya.Akula@dtsc.ca.gov
  (714) 484-5416

Aerojet Rocketdyne

- Cindy Caulk, Manager of Environmental Health and Safety Communications, Training and Regulatory Affairs
- Aerojet Rocketdyne
- E-mail: cindy.caulk@Rocket.com
  (916) 355-2601

- Scott Goulart, Environmental Remediation Senior Director
  E-mail: scott.goulart@Rocket.com
  (916) 355-5454

Aerojet Rocketdyne after-hours contact number:

The Aerojet Rocketdyne Chino Hills site has security surveillance 24 hours a day, 365 days a year. Aerojet Rocketdyne after hours Point of Contact can be reached by calling (916) 355-6900 or (818) 586-3333.

1.4 Information Sources

As a result of community surveys, public meetings, and community interviews conducted and held since 1999, key community interests and concerns regarding the cleanup and reuse of the Aerojet Rocketdyne Chino Hills facility have been identified.

In preparation for the development of this CEP, Aerojet Rocketdyne contracted with a Southern California-based public affairs firm to conduct an assessment of community opinions regarding the Aerojet Rocketdyne Chino Hills facility. Members of the firm interviewed several dozen community leaders and members, regarding issues ranging from site cleanup activities, communicating with the public and MEC safety education.

Interests and concerns most frequently raised include:

- Pace of site clean-up;
- Suitability of property reuse;
- Health effects of past operations;
- Open detonation activities;
- Surface and subsurface water impacts;
- Residual contamination;
- MEC and Ordnance safety; and
- Dust from cleanup operations.

Additional information for this CEP was obtained from the various Chino Hills Closure Reports, community relations program files, media, key officials, environmental, community and special interests groups, agency comments and community member input from workshops and surveys, interviews, and comments received during community outreach activities.

The information obtained from these sources has been used to develop this CEP and the outreach methods herein.

1.5 History of Community Involvement

The community has been involved at various times in the site cleanup process, in response to the public release of information regarding specific cleanup activities or milestones achieved in site cleanup.

Date	Activity	Summary
1998-1999	DTSC Workshop May 1999 Aerojet Rocketdyne Workshop May 1999	1999 meetings
March 2001	DTSC Community Workshop	Held at Grand Avenue park, DTSC hosted a community workshop to provide the public with information on the current status of the site cleanup. Participating agency resources included DTSC staff, Aerojet Rocketdyne consultants, Chino Valley Fire Department, San Bernardino County Fire, San Bernardino County Fire, City of Chino Hills representatives, California Department of Health Services (Radiologic Health Branch) staff, and Loma Linda University Medical Center.
January 2003	Public Safety Agency meeting	Aerojet Rocketdyne convened a meeting with public safety agencies to discuss opportunities for comprehensive child safety measures to meet DTSC community education requirement
February 2003 – July 2003	Community interviews	Aerojet Rocketdyne initiated interviews with staff from Chino Valley Unified School District (CVUSD), Chino Hills public safety agencies, local media representatives, business and community leaders on recommendations for CEP and potential involvement in the education process.
August 2005	Community Fact Sheet	DTSC released an informational fact sheet on current site status (at the time), with distribution to over 12,740 residences and stakeholders. The fact sheet also introduced the general public to the planning of the CEP.
August 2005	Community Survey Questionnaire	DTSC released a community survey questionnaire seeking public interest, community concerns and ideas to include in development of this CEP to over 12,740 residences and stakeholders.
March 2009	Community Fact Sheet and Open House	DTSC issued closure certification of the Open Burn/Open Detonation Unit. Prior to issuing closure certification, DTSC issued a community fact sheet, held a 30-day public comment period, hosted a community Open House and responded to all public comments received during the 30 day public comment period.

1.6 Role of DTSC

DTSC is the California Environmental Protection Agency (CalEPA) Department that protects the public from exposure to toxic materials from the past, present and future. The department monitors and regulates the exposure to hazardous and radioactive wastes in addition to enforcement of compliance by individual businesses, corporations, local governments and their agencies and representatives with environmental protection rules and regulations.

Regarding the Aerojet Rocketdyne facility cleanup, the primary role of DTSC is to ensure that proposed cleanup actions comply with plans submitted by Aerojet Rocketdyne and approved by DTSC for the closure of the Chino Hills facility, including the proper implementation of this required CEP. DTSC will provide opportunities for public input prior to the approval of any cleanup actions, and will conduct outreach for public comment during critical decision points regarding the Aerojet Rocketdyne Chino Hills facility cleanup.

For more information regarding DTSC, please see Appendix H.

1.7 Role of Aerojet Rocketdyne

In addition to its role in implementing the DTSC approved remediation plans, the role of Aerojet Rocketdyne is to develop this CEP, a component of which is the MEC education program (see section 7.0), that provides clear and easily understood information on how to identify MEC and the proper safety procedures that should be followed should a suspected MEC item be found.

In addition, working in close concert with DTSC, Aerojet Rocketdyne will implement the plan to ensure the community has a reliable conduit for information and education, supporting the potential beneficial reuse of the Chino Hills facility.

1.8 Role of the City of Chino Hills

The City of Chino Hills role is limited to explaining that: (1) the "clean-up" is under the regulatory authority of DTSC; (2) DTSC is mandating Aerojet Rocketdyne implement this CEP; and (3) the property is currently zoned for residential use. In addition, there may be public hearings held in the future by the City of Chino Hills regarding the potential development of the property. The City of Chino Hills has no liability or responsibility to conduct community outreach or implement any aspect of this CEP. As a valued stakeholder and at their discretion, the City of Chino Hills may contact and provide DTSC with information it deems useful and appropriate as it relates to this CEP.

1.9 Role of the Community

Participation by the community is important to the success of this CEP. The community is strongly encouraged to participate in public meetings and information sessions. Information from these meetings have been utilized to fine-tune this CEP to ensure it meets the communication needs of the community. Additional roles of the community in the execution of this CEP include:

- Responding to surveys and questionnaires;
- Participating in interviews, as necessary;
- Advising DTSC on outreach methods to best reach targeted audiences;

- Referring interested parties to the primary points of contact; and
- Reviewing pertinent documents and educational materials.

Members of the community who wish a higher level of involvement may consider participation in the Community Focus Group (section 6.3.1) that will provide insight and guidance over components of the communication tools identified in this CEP.

2.0 Site Description

This section summarizes the physical and environmental setting in and around the Aerojet Rocketdyne, Chino Hills facility.

2.1 Location

The Aerojet Rocketdyne Chino Hills facility is located at the end of Woodview Road in the City of Chino Hills, San Bernardino County, California.

During Aerojet's former operations, the Chino Hills facility occupied approximately 400 acres. The Company leased an additional 400 acres of properties around the Chino Hills facility that served primarily as buffer zones or support areas for Aerojet Rocketdyne operations and activities. In 2007, the Company purchased an adjoining parcel, formerly owned by the McDermont Family, increasing owned acreage to 562 acres.

During the operational period, the area surrounding the Chino Hills facility was a rolling landscape, mostly undeveloped. Since the cessation of Aerojet's activities, the Vellano community has been developed to the north and west of the site. Long-established neighborhoods are located within several miles to the north. The eastern and southern boundary of the Aerojet Rocketdyne Chino Hills property abuts the Chino Hills California State Park.

Maps of the Chino Hills property can be seen in Figures 2-1 and 2-2 below.

Figure 2-1: Aerojet Rocketdyne Chino Hills Property Looking North

Figure 2-2: Aerojet Rocketdyne Chino Hills Property Location

2.2 Site Biological and Topographical Information

The three primary vegetation habitats found at the Chino Hills facility are grasslands, sage scrub/mixed chaparral, and woodlands. The San Diego horned lizard (Phrynosoma coronatum blainvillei) was the only special-status wildlife species observed at the Chino Hills facility. California black walnut (Juglans californica var. californica) was the only special-status plant species observed at the Chino Hills facility during biological surveys conducted at the site.

The facility is located within Chino Hills, a subdivision of the larger Puente Hills. Elevation at the Chino Hills facility ranges from 1,025 to 1,331 feet above mean sea level. The topography of the Chino Hills facility consists of gently to moderately sloping, rolling terrain and steep canyon walls (i.e., hills and canyons) within Chino Hills.

2.3 Water

Rainfall runoff from the central and southern parts of the Chino Hills facility drains into Soquel Canyon. Soquel Canyon Creek, an intermittent stream, flows west from the Chino Hills facility nearly 5 miles before entering a typically dry reservoir behind Carbon Canyon Dam. Sections of Soquel Canyon Creek within the Chino Hills facility typically are dry. Surface water runoff in the north part of the Chino Hills facility (representing approximately 20 percent of the surface area) drains to the northeast into an unnamed canyon and eventually into Chino Creek. Surface water flow has been observed in the parts of this unnamed canyon that are near the Chino Hills facility only during periods of heavy rain.

There is no defined water table beneath the hills, but limited amounts of subsurface water occur locally in fractures and as interflow water (Fetter, 1995). The nearest drinking water well is approximately 2.8 miles northeast of the Chino Hills facility and has supplied water to customers of the City of Chino Hills (City of Chino Hills, 1996). This well, and other drinking-water wells used by the City, are located north of the 71 Expressway. The drinking water wells are constructed in unconsolidated basin fill sediments (Chino Basin) that are unrelated to the waters in the consolidated, non-water-bearing sedimentary rocks of the Puente Hills beneath the Chino Hills facility. The Chino fault acts as a groundwater barrier in preventing migration of groundwater from the Puente Hills into the Chino Basin. Further, all of the City's drinking-water wells are located over and constructed in basin-fill sediments. Thus, the nature of the Chino Basin boundary, the locations of drinking-water wells, and the very low volume of groundwater held in the rocks of the Puente Hills all combine to prevent the movement of significant groundwater from beneath the Chino Hills facility into the Chino Basin near the City of Chino Hills.

Local water information

The City of Chino Hills is the public water utility serving the community with its drinking water.

Chino Hills Public Works - Department
14000 City Center Drive
Chino Hills, CA 91709-5442
Phone: (909) 364-2800
After Hour's emergency: (909) 364-2860

Every year the City of Chino Hills publishes and makes available to all customers an annual Consumer Confidence Report. The free report gives the results of the tests it does in order to make sure the water meets federal and state drinking water regulations. It also explains where the water comes from and includes other useful information. The report can be accessed on the City of Chino Hills web page at www.chinohills.org/ccr or to request a hard copy, please call (909) 364-2806.

2.4 *Public Facilities in Proximity to the Aerojet Rocketdyne, Chino Hills Site*

2.4.1 Schools

The Aerojet Rocketdyne Chino Hills facility is located within the boundaries of the Chino Valley Unified School District.

Figure 2-3: Elementary School Facilities North of the Aerojet Rocketdyne Chino Hills Property

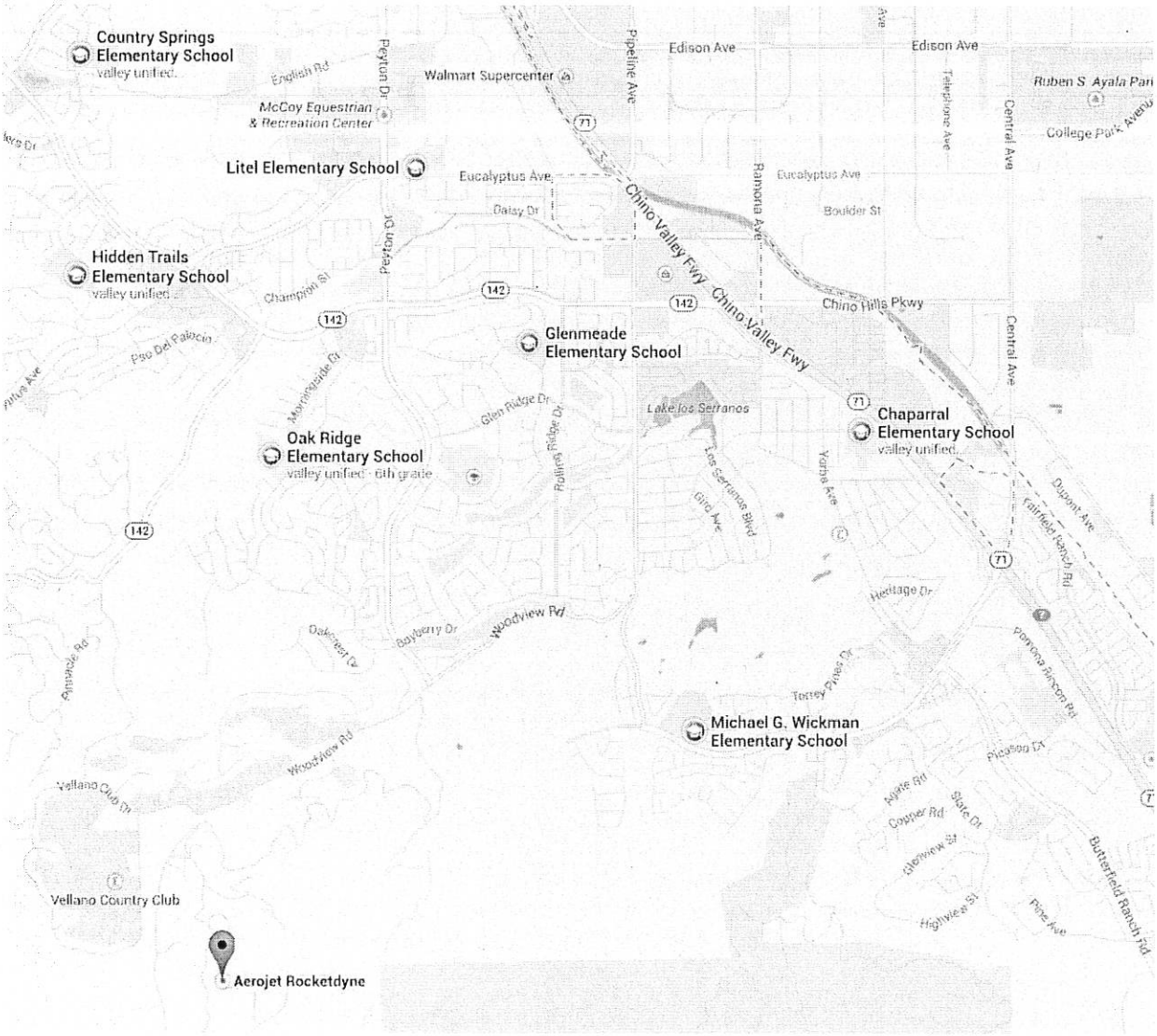
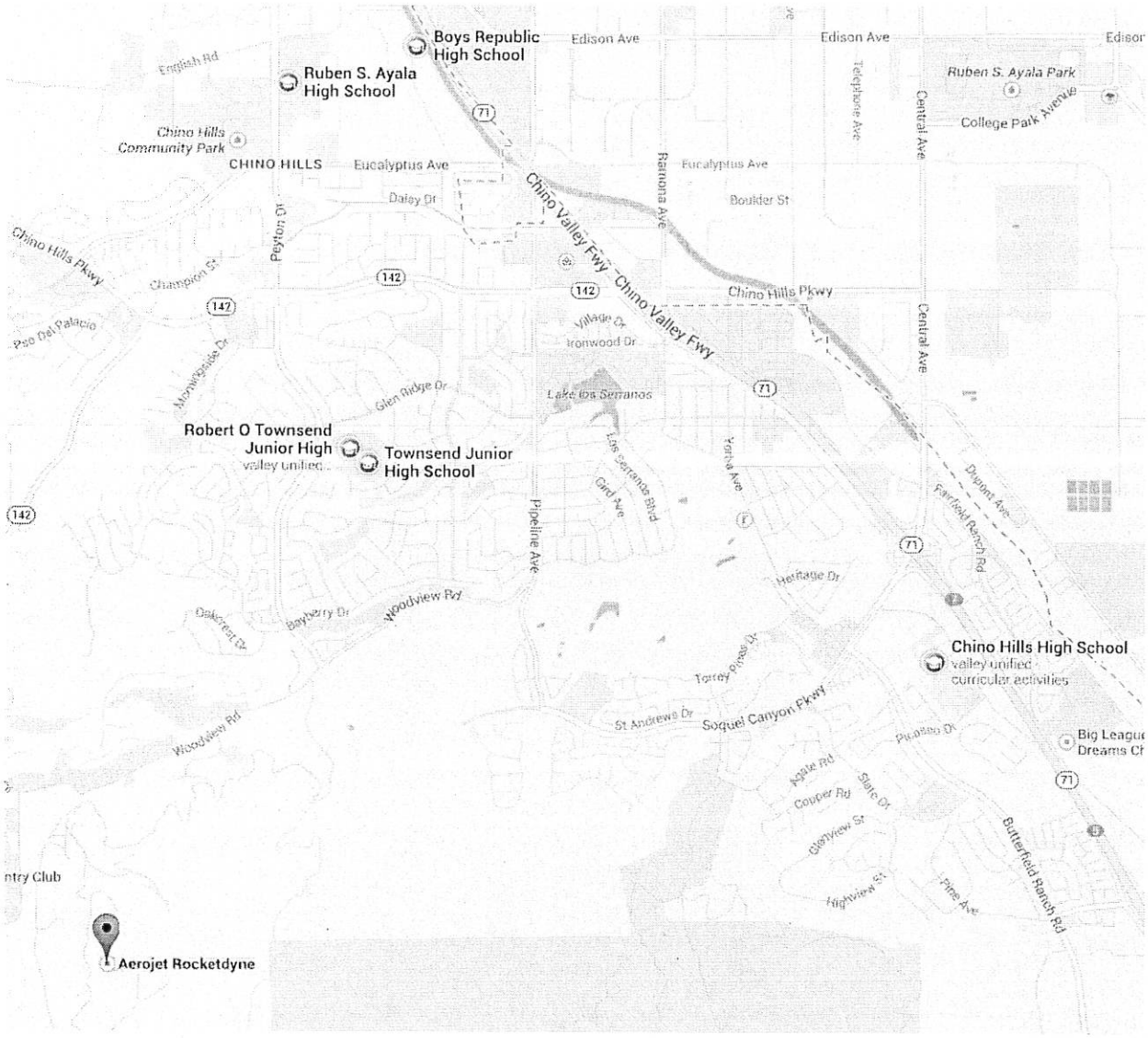


Figure 2-4: High School and Middle School Facilities North of the Aerojet Rocketdyne Chino Hills Property



2.4.2 City Government / Chino Hills Public Library

The Chino Hills City Government Center is located three miles north-northeast of the Aerojet Rocketdyne Chino Hills facility

Chino Hills City Hall
14000 City Center Drive
Chino Hills, CA 91709-5442
(909) 364-2600
www.chinohills.org

Chino Hills Branch Library
14020 City Center Drive
Chino Hills, CA 91709-5442
(909) 590-5380
http://www.chinohills.org/index.asp?nid=283

Library Hours of Operation
10:00 am – 8:00 pm Monday – Thursday
10:00 am – 6:00 pm Friday
9:00 am – 5:00 pm Saturday
1:00 pm – 5:00 pm Sunday

2.4.3 Chino Hills Parks Department

Chino Hills Park Facilities (north of Aerojet Rocketdyne Chino Hills facility, partial list)
(909) 364-2700
http://www.chinohills.org/Parksandfacilities

- Alterra Park (4921 Soquel Canyon Drive)
- Cinnamon Park (15580 Linden)
- Coral Ridge Park (1999 Avenida Cabrillo)
- Crossroads Park (2765 Chino Hills Parkway)
- Eucalyptus Park (3565 Valle Vista Drive)
- Glenmeade Park (15055 Oakwood Lane)
- Hickory Creek Park (15445 Hickory Creek Lane)
- Hidden Hills Park (2000 Rancho Hills Drive)
- Hilltop Park (15234 Pine Lane)
- Hollow Run Park (15959 Peyton Drive)
- Morningside Park (15259 Morningside Drive)
- Oakridge Park (15444 Valle Vista Drive)
- Rincon Park (16202 Pinehurst Drive)
- Strickling Nature Park (3670 Aspen Lane)
- Sunset Park (1510 Rancho Hills Drive)
- Torrey Pines Park (5011 Torrey Pines Drive)
- Valle Vista Park (15636 Valle Vista Drive)
- Vellano Park (16321 Aviano Lane)
- Veterans Park (14877 Eucalyptus Avenue)

2.4.4 Chino Hills Public Safety

Fire: Chino Hills is served by the Chino Valley Independent Fire District

CVIFD Headquarters
14011 City Center Drive-5442
Chino Hills, CA 91709
(909) 902-5260
www.chinovalleyfire.org

- Station 66 (13707 Peyton Drive)
- Station 64 (16231 Canon Lane)
- Station 62 (5551 Butterfield Road)

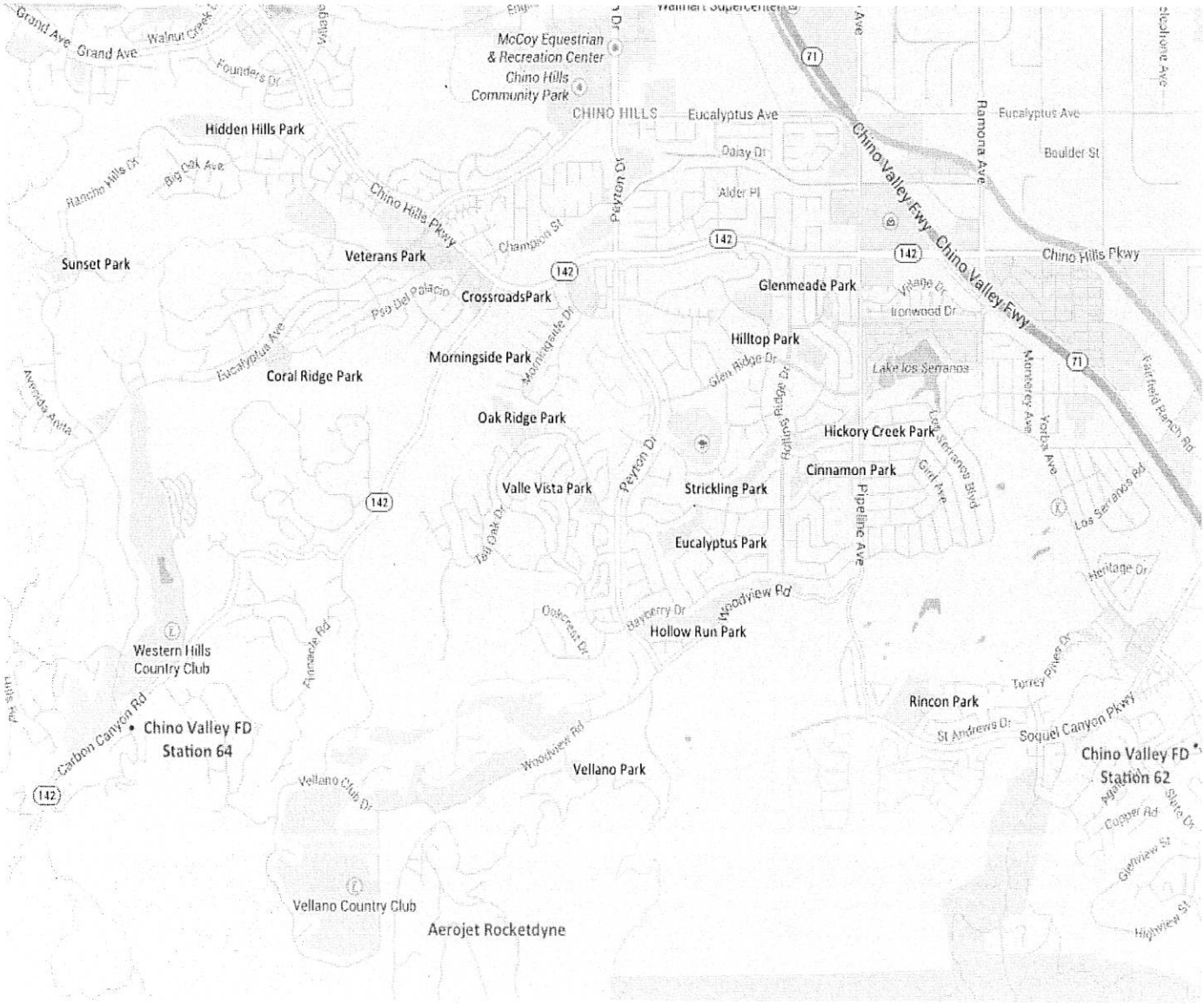
Police: The City of Chino Hills contracts with the San Bernardino County Sheriff's Department for law enforcement services.

Chino Hills Police Department
14077 Peyton Drive
Chino Hills, CA 91709-1610
(909) 364-2000
http://www.chinohills.org/police

After Hours Dispatch
(909) 465-6837

Emergency 911

Figure 2-5: Public Facilities
Note: Not all public facilities are pictured on the map



3.0 Former Operations / Chino Hills Land Use

3.1 Aerojet Rocketdyne Chino Hills History

The United States armed forces depend on reliable ordnance to carry out its work of protecting our nation. Ordnance is needed for training and on the field of battle. Specifications for ordnance are precise so they may be effectively used in battle. Ordnance that does not perform as designed have the potential to injure our own troops, therefore quality control is critical to ensure the soldiers who use them can do so safely with minimal risk to themselves.

From 1954 to 1995, Aerojet Rocketdyne used the Chino Hills facility for loading, assembly and testing of ordnance under contract to the United States Government. In addition to Aerojet Rocketdyne's activities, the land has also been used for cattle grazing and oil production.

Military ordnance was assembled in the northwestern portion of the property. Samples from the assembled rounds were randomly selected for testing in the central portion of the Chino Hills facility to verify compliance with customer performance specifications. Rounds were test fired in small box canyons within the property. The testing facilities utilized fixed guns firing the rounds into fixed targets. High-speed motion picture and still photography was used during the tests to analyze the firing, flight, projectile rotation and target impact to ensure ordnance met military specifications.

Throughout the years of ordnance assembly and testing, explosive and propellant wastes were generated. These wastes were often handled and treated at the facility.

When ordnance failed to meet all quality control specifications, the entire lot was rejected for military use. Ordnance could not be transported off-site for disposal, so treatment (or destruction) of materials not meeting military specifications took place on-site. Treatment practices consisted of detonating ordnance in a designated treatment area. Most of the time, the ordnance was destroyed, but occasionally, some items were propelled out of the treatment area. Over the course of time, Aerojet Rocketdyne formulated plans to perform site remediation to address this.

In 1995, Aerojet Rocketdyne sold its ordnance business and ceased all business operations at its Chino Hills facility. Today, activities at the Aerojet Rocketdyne Chino Hills facility focus solely on site remediation.

3.2 Environmental Cleanup History

In 1992, Aerojet Rocketdyne approached the California Environmental Protection Agency, Department of Toxic Substance Control (DTSC) to discuss the closure activities of the Chino Hills facility, with a goal for allowing for future unrestricted land use. Site remediation activities were voluntarily initiated by Aerojet Rocketdyne under the oversight of DTSC, and included a site investigation and cleanup of chemicals and MEC from treatment activities when discovered. Remedial actions at the Chino Hills facility focused on three areas:

- Solid Waste Management Units (SWMUs): Aerojet Rocketdyne has investigated on-site areas to determine the nature and extent of releases (if any) of hazardous waste or constituents and has performed cleanup activities (if required), all conducted under a 1994 Consent Agreement between Aerojet Rocketdyne and DTSC.
- Open Burn/Open Detonation Ordnance Areas (OB/OD): In areas where ordnance items that failed quality control were destroyed, Aerojet Rocketdyne has removed MEC, fragments and soils with chemical residues under a 1993 Closure Plan approved by DTSC.

- Depleted Uranium (DU): Under the supervision of the former California Department of Health Services (currently known as the California Department of Public Health), Radiologic Health Branch (DHS), Aerojet Rocketdyne has completed cleanup of depleted uranium associated with the depleted uranium-tipped projectiles work performed at the site.

As part of DTSC's prescribed corrective measures for site cleanup, Aerojet Rocketdyne has been actively investigating and sweeping (ordnance sweeping is the uniform scanning of soils with ordnance-detecting equipment) the Chino Hills facility and surrounding properties (Project Area) to locate and remove MEC. To date, approximately 614 acres have been investigated. To validate the technologies and methodology used for ordnance sweeping, a geophysical prove-out (GPO) was conducted in 2004 following the DTSC-approved GPO work plan. The purpose of the GPO was to determine which technologies were better suited to specific geologic terrain and site conditions, validating the work performed to date.

The GPO consisted of a number of technology verification tests. Different portions of the Aerojet Rocketdyne site were marked off as test grids. Test grids were of varying terrain to match conditions of areas that underwent remediation activities. All test grids were first determined to be clear of metal debris. Testing grids were then "seeded" with representative samples of MEC-like materials in varying size and type, similar to those found during site remediation activities. These samples were buried at different depths and densities, some in known locations to develop "profiles" of the responses from ordnance-detecting equipment to MEC items and others in unknown or "blind" locations to evaluate detection capabilities under various site conditions. The "blind" seeds were buried by an independent, third party contractor who reported directly to DTSC. Ordnance removal technicians then used the same detection equipment used in Aerojet Rocketdyne's remediation activities to locate seeded items. In addition, MEC screening and removal machinery was similarly tested with soils containing planted seed items.

Based on the process defined by the work plan, the GPO was completed in September 2004. The GPO report and independent quality assurance reports were submitted to DTSC in February 2005. DTSC approved and finalized the GPO report in November 2005. In August 2006, Aerojet Rocketdyne submitted a draft Conceptual Site Model (CSM) to DTSC that provided a detailed analysis of the sweeping activities completed to date as well as the results of the GPO. The draft CSM also identified "data gap areas" within the Project Area that required ordnance sweeping. The draft CSM was updated in July 2007 to address DTSC comments and ordnance sweeps in the "data gap areas" were completed in 2009. In September 2012, Aerojet Rocketdyne submitted an updated draft CSM to DTSC that provided a detailed analysis of all the sweeping and MEC removal activities completed in the Project Area. This document is currently being used in the planning for and preparation of additional documents related to the MEC clearance activities, including preparation of the June 2014 Phase I Corrective Measures Study for MEC.

3.2.1 Solid Waste Management Units (SWMU)

Aerojet Rocketdyne performed a complete facility investigation, taking more than 2,200 soil and water samples. Sampling results showed there were no levels of chemicals posing risk to human health or the environment in surface waters inside the facility or migrating beyond the facility boundaries. The corrective measures for the SWMUs and other areas of concern were essentially completed in 2002, and a draft report of the completion of corrective measures was submitted to DTSC in November 2003. Remaining corrective measures for the SWMUs and other areas of concern, including buildings and structures, were completed in 2007 and documented in an addendum completion report. The DTSC approved the Corrective Measures Completion Report (CMCR) and Corrective Measures Completion Report Addendum (CMCRA) in September and November 2008, respectively, indicating that chemicals/materials of concern identified at the facility have been removed to levels below residential cleanup criteria, with the exception of MEC.

Additionally, Aerojet Rocketdyne completed a human health and environmental assessment, or Preliminary Endangerment Assessment, which determined there were no residual levels of uranium which could pose toxicity risk to human health or the environment. DTSC approved the Preliminary Endangerment Assessment in October 2004.

3.2.2 Open Burn/Open Detonation Ordnance Treatment Sites

Certain items assembled during site operations that did not meet standards for military use were treated (destroyed) on-site. Pursuant to state and federal permits, Aerojet Rocketdyne operated an Open Burn/Open Detonation Unit to destroy these materials. The DTSC-approved workplan required soils to be excavated in the OB/OD area and screened to locate and remove ordnance and ordnance fragments. Aerojet Rocketdyne hired an independent contractor to conduct third party quality assurance surveys in the OB/OD remediation area. The work was completed in 2006 and the final ordnance removal reports documenting this work were submitted to DTSC in early 2007. In April 2009, the DTSC certified closure of the former OB/OD Unit.

3.2.3 Depleted Uranium (DU)

A report of decommissioning and decontamination activities for the cleanup of depleted uranium (DU) was submitted to DHS in September 2003. During this process, DHS determined the presence of DU posed no health or ecological hazard outside of the Chino Hills facility boundaries. In October 2007 and January 2008, DHS conducted its own confirmation sampling for DU at the Chino Hills Facility. On April 8, 2009, the DHS terminated Aerojet's radioactive materials license for Chino Hills operations in its entirety.

3.3 Future Site Use

Cleanup activities on the Aerojet Rocketdyne Chino Hills facility have been designed to enhance safety and protect the public and environment from issues relating to past site operations. While the goal of the cleanup is to allow for the unrestricted use of the Aerojet Rocketdyne Chino Hills facility after cleanup activities are concluded, this is not a predetermined outcome. Aerojet Rocketdyne must follow the process and requirements specified by DTSC, and only upon completion and a thorough evaluation of the cleanup activities by DTSC and consultation with the City of Chino Hills regarding zoning reuse will the potential reuses be determined. This process has been utilized at former military munitions response sites in California, such as the Tourtelot project at the former Benicia Arsenal, and the Fort Ord military base. By following proper cleanup protocols and utilizing best available and appropriate munitions detection and removal technologies, it is possible to have safe, unrestricted reuse of former ordnance sites

As in the reuse of former military installations, Aerojet Rocketdyne will evaluate how remediation technology and soil engineering controls could be used to allow for the beneficial reuse of the site.

Reuse alternatives would likely consider former land uses on the site and clean-up. For example, outlying buffer lands and administrative areas where ordnance activities did not occur may be identified for potential residential reuse. The small canyons that served as testing areas could be excavated to bedrock and backfilled with verified clean fill, thereby providing locations to place the roads that would serve residential reuse. Conceptual site plans, lot configuration, utility infrastructure, grading concepts and street sizes and alignments can be designed to provide a high confidence level in land reuse alternatives.

In the interests of achieving the highest level of public safety, Aerojet Rocketdyne's cleanup process is also under parallel review by the City of Chino Hills. Upon the completion of the clean closure of the Aerojet Rocketdyne Chino Hills facility, reports documenting the work will be available for public review in the Aerojet Rocketdyne Chino Hills site Information repository (see 5.1.2). During this process, there will

be opportunities for public input on the thoroughness of the site cleanup and the future disposition of the property.

Information on Other California MEC Remediation Sites:

Tourtelot – Former Benicia Arsenal	http://www.EnviroStor.dtsc.ca.gov/public/profile_report.asp?global_id=48970007#
Former Fort Ord Site	http://www.fortordcleanup.com

4.0 Community Background

4.1 The City of Chino Hills

The City of Chino Hills, a largely residential city incorporated in 1991, is a young, growing community that prides itself on a high quality of life and its designation as the "Safest City in San Bernardino County." A family-oriented community of more than 76,000 people, over one-third of the current population is under age of 18.

Due to its hilly topography of rolling hills, Chino Hills was primarily rural prior to the mid 1970s; most land was utilized for equestrian purposes, oil exploration and extraction and for dairies.

Rapid and extensive housing developments followed throughout the 1980s and early 1990s, only slowing down in recent years. Residents value the rural atmosphere that has been preserved through planning efforts that cluster development, preserve open space, and protect ridgelines.

In 1979, the County of San Bernardino initiated the development of the Chino Hills Specific Plan – the document that would plan for the eventual development of 18,000 acres – 26 square miles – located in Chino Hills. The area had been protected from haphazard development because the land was not flat enough to build inexpensively.

The innovative Specific Plan was the first in the State of California to be designed for an unincorporated area. The Specific Plan called for clustered residential development concentrated in village cores, decreasing in density away from the core in order to protect as much open space as possible. Commercial development was slated along the Highway 71 corridor. By 1982, when the Specific Plan was approved, there were approximately 4,000 homes and 12,000 residents in Chino Hills.

Virtually unchanged for hundreds of years, the rolling hills were home to a few ranches and homesteaders. The natural beauty of Chino Hills in the early 1900's is preserved in Chino Hills State Park. A grass roots organization, known as Hills for Everyone, was the guiding force behind the preservation of 12,500 acres of land that became the largest California State Park located in an urban setting.

Chino Hills has over 3,000 acres of publicly owned and maintained natural open space, 41 parks, 39 miles of multi-use trails, and over 700 acres of public landscaping including parkways, medians, and slopes.

General Demographic Information for the City of Chino Hills

Incorporated	December 1, 1991	
Population at Incorporation	42,000	
Population	76,131	
Size	46 square miles	
Housing Units	23,048 (1,378 multi-family)	
Median Household Income	$93,332	Claritas estimate, 2006
Average Household Income	$106,825	Claritas estimate, 2006
Average Household size	3.41	Claritas estimate, 2006

2000 Census Information	2010 Census Information
Population - 66,787	Population - 74,799
Owner Occupied - 85%	Owner Occupied - 80.3%
Race	
White - 56.4%	White - 50.8%
Asian - 22.1%	Asian - 30.3%
African American - 5.5%	African American - 4.6%
Native American - 0.6%	Native American - 0.5%
Native Hawaiian / Pacific Islander - 0.1%	Native Hawaiian / Pacific Islander - 0.2%
Some Other - 10.6%	Some Other - 8.7%
Two or More - 4.7%	Two or More - 4.9%
Origin	
Hispanic - 25.7%	Hispanic - 29.1%
Median Age - 32.3	Median Age - 36.6
Note: Nearly 1/3rd of the population is under age 18	Note: Over 1/3rd of the population is under age 18

Major Employers - 2011	
Chino Valley Unified School District	1,375
City of Chino Hills	277
Costco	260
Boys Republic	198
Lowe's	184
Albertson's Inc.	182
Best Buy	136
Harkins Theatres	129
Chino Valley Independent Fire District	124
99 Ranch Market	116

5.0 Avenues of Communication

5.1 Preferred Methods of Communicating with the Community

Based on interviews with City officials, school board members and administrative staff, public safety officials and feedback from members of the general public, the communication systems preferred by members of the community to receive information are:

- Dedicated informational website including an e-mail notification system
- Community presentations;
- Local media;
- Chino Hills Champion;
- Inland Valley Daily Bulletin;
- LA Times;
- Community Access Television;
- Press Releases to local TV and Radio;
- Fact Sheets and newsletters
- Social media presence via FaceBook and Twitter.

5.1.1 Information Avenues to the Chino Hills Community

The information goal is to provide the largest distribution of information to interested members of the Chino Hills community, using easily understood information, and distributed in a timely manner. Local television and radio stations and U.S. Post Office services are available to all areas adjacent to the Aerojet Rocketdyne Chino Hills facility. Local city government offices, the public library, and community organizations including churches, professional and civic groups can also be used to provide information to the community. The most effective avenues for communication will be used to provide cleanup and safety information to the Chino Hills community.

5.1.2 Information Repositories

Information Repositories are maintained to provide public access to cleanup information that includes technical environmental information, plans, decisions and support documents. The information repositories contain cleanup documents and other information relative to environmental cleanup and are available for public review.

Information Repository Locations:

Chino Hills Branch Library
14020 City Center Drive
Chino Hills, CA 91709-5442
(909) 590-5380

Library Hours of Operation
10:00 am – 8:00 pm Monday – Thursday
10:00 am – 6:00 pm Friday
9:00 am – 5:00 pm Saturday
1:00 pm – 5:00 pm Sunday

Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630-4732
(714) 484-5337 (By appointment only)

5.2 Communication Resources – Information Gathering

5.2.1 Community Interviews

In 2003, a public relations firms contracted by Aerojet Rocketdyne conducted a community assessment to begin formulating the Community Engagement Plan. In this assessment, elected officials, opinion leaders and other community members were interviewed on their knowledge and concerns of the Aerojet Rocketdyne Chino Hills facility.

In 2004, a survey accompanied a fact sheet distributed to over 10,000 households in the greater Chino Hills area. Surveys returned to DTSC demonstrated similar concerns as expressed in the 2003 community assessment.

Additional information regarding community concerns have been taken from transcripts of public meetings held in Chino Hills by DTSC regarding the Aerojet Rocketdyne Chino Hills facility.

Commonly given comments were:

- Concern over the level of cleanup;
- Concern over the timeline for cleanup;
- Concern over the increasing cost of cleanup;
- Concern over sporadic communication with the public;
- Concern over the adequacy of cleanup; and
- Concerns over future health or public safety issues.

Information and education regarding concerns expressed by community members have been taken into account in the development of this plan. Upon approval and implementation of this CEP, interviews may be conducted to assist the city of Chino Hills and the company in assessing the interests and concerns of community members as needed. The information gathered in these interviews will assist in ensuring the efficacy of the CEP, and will direct any modifications to the plan. A copy of the interview questionnaire that will be used to conduct this assessment may be found in Appendix F.

5.2.2 Community Surveys

Community surveys will be periodically conducted to assess the interests and concerns of community members regarding the Aerojet Rocketdyne Chino Hills facility and the plan.

Information will be collected via a web-based survey tool. Links to the survey tool will be accessible from the Chino Hills Community Engagement Website, and published in newsletters, factsheets and educational materials. Trends identified in responses will reflect the success of community outreach and education, as well as identify areas for improvement. A copy of the 2004 Community Survey may be found in Appendix E.

5.2.3 Focus Groups

In order to assess community engagement activities and evaluate the evolutionary needs of additional outreach, Aerojet Rocketdyne may perform focus groups made up of select representative groups within the Chino Hills community. Participants may be selected based on neighborhood or organization interest, geographic distribution, or ethnic background.

5.3 Communication Resources – Information Dissemination

5.3.1 Briefings, Presentations and Meetings

DTSC and Aerojet Rocketdyne representatives welcome the opportunity to participate in meetings sponsored by the community or neighborhood organizations who are interested in learning more about MEC safety program. Comments or questions from the public will be answered during the meetings when possible, or noted and answered by DTSC at a later date if more research is required. To request that project staff give a briefing to your community or organization, contact DTSC's Public Participation Specialist, identified under the project contacts listed in Section 1.3, Points of Contact.

5.3.2 Mailing List

DTSC and Aerojet Rocketdyne have established a mailing list of parties interested in the site. The complete mailing list for this site includes:

- Approximately 17,000+ Chino Hills households;
- Local, state, and federal elected officials;
- Local, state, and federal government agency officials;
- Key individuals and organizations in the Chino Hills area;
- Other interested community individuals;
- Business associations; and
- Statewide DTSC mandatory mailing list of key individuals and groups.

The mailing list is updated as individuals request to be added or removed from the lists; after meetings, site tours, or public meetings (based on sign-in sheets); and when elected officials change office. Anyone can request to be included on the list by contacting DTSC.

5.3.3 Websites

The California Department of Toxic Substances Control maintains its main website at www.dtsc.ca.gov. Information on the Aerojet Rocketdyne Chino Hills site can be found through a site search of the DTSC website.

Additional information can also be found on the DTSC Envirostor website at:
http://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=80001476

The Chino Hills Community Engagement Website, created and maintained by Aerojet Rocketdyne, and developed as part of this CEP, can be found at www.rocket.com/chino.

Other Methods of communication pertinent to the CEP can be found in Section 6.3.

5.4 Key Individuals and Organizations

Input from members of the public is crucial to ensure the plan meets the needs of the Chino Hills community. In particular, input from representative organizations and community leadership groups is particularly important, as they tend to be sources of leadership within the community, and can reflect the opinions and attitudes of the citizenry.

Includes:

- Federal Officials (US Senators, Members of Congress);
- State Officials and Agencies;
- County Officials and Agencies;
- Municipal Officials and Agencies;
- Members of the media;
- Community Organizations and Citizens' Groups (Chambers of Commerce, Ethnic organizations, PTAs, Rotary, Kiwanis, Boy Scouts, etc.)
- Environmental Groups; and
- Local residents.

For additional information see Appendix "B"

6.0 Community Engagement Activities

This section describes the types and objectives of community engagement activities and the timing of activities associated with those objectives to be conducted as part of the Aerojet Rocketdyne Chino Hills facility cleanup.

6.1 Community Engagement Program Objectives

The Objectives of the Community Engagement Plan were defined by DTSC in August of 2003 and are listed below. The Objectives are lettered to provide reference by type of activity listed in section 6.3:

A. Establish a mechanism for communicating directly and regularly with community leaders and other local stakeholders about cleanup activities and community issues that may be relevant to the successful execution of the plan.

B. Communicate timely and accurate information to the community at large regarding cleanup activities and the required safety program.

C. Develop a presentation on MEC safety that can be delivered (or presented) on request to interested parties.

D. Conduct interviews with key local stakeholders and surveys with members of the community to assess and validate the performance of the CEP.

E. Establish a process to notify and direct the community to resources available to the public to learn more about the MEC program at the Aerojet Rocketdyne Chino Hills facility.

F. Develop mechanisms to communicate to and educate the public through both proactive and reactive methods.

G. Maintain a comprehensive Information Repository for public use.

6.2 Timing of Community Engagement Plan Activities

Appendix G lays out a proposed schedule for the Community Engagement Plan activities defined below. Note timeframes are dependent upon review and approval timeframes by DTSC.

6.3 Types of Community Engagement Activities

Ensuring the community is informed about the progress of the corrective measures activities at the Aerojet Rocketdyne facility in Chino Hills will be accomplished through the various outreach activities defined below, aimed at establishing and sustaining two-way communication between DTSC/Aerojet Rocketdyne and the local community. This CEP was developed in accordance with DTSC guidance and with input from various community stakeholders.

6.3.1 Focus Group

(Objective A)

The role of the community Focus Group is to advise Aerojet Rocketdyne on the information effectiveness and details of this CEP and of community issues that may be relevant to this plan. Selection of Focus Group members may be acquired through public noticing and then selection of appropriate and applicable members of diverse community representation. DTSC may assist with Focus Group membership selection. It is advisable the Focus Group operate under a charter setting with an organizational and operational structure agreed upon by Focus Group members. The Focus Group should recommend agenda items for Community Information Meetings and presentations as necessary.

Depending upon the interest of the community, Aerojet Rocketdyne will initiate the Focus Group by issuing invitations at a minimum, to those parties listed on Appendix B. Interested community stakeholders will be selected and then assembled to discuss and collaborate the Community Engagement Plan activities, including the creation of the safety and education video. The Focus Group may include members representing community and public safety leadership, and ideally be made up from representatives that may include the City of Chino Hills, Chino Valley Independent Fire District, the San Bernardino Sheriff's Department, DTSC, elected officials, interested community and business organizations, as well as interested community members.

6.3.2 Community Information Meetings

(Objective B, E)

Community meetings (or Open Houses, Workshops, etc.) may be held periodically where interested community members and city and company representatives will discuss specific issues and proposed plans for the Aerojet Rocketdyne Chino Hills facility. As the project progresses, the need and ongoing role of the Community Advisory Group will also be discussed. Community members will be encouraged to submit questions or concerns for the meeting agenda. The time and location of the meetings will be advertised in the Chino Hills Champion and the Inland Valley Daily Bulletin, promoted through the e-mail outreach database, published on the Chino Hills Community Engagement website, and promoted through community access television (if available). A list of potential meeting places is identified in Appendix C.

6.3.3 Fact Sheets

(Objectives A, B, E, F)

Fact Sheets are brief informational reports summarizing current or proposed cleanup activities underway which present technical and management information in a clear and understandable format. Fact Sheets may be released when specific information becomes available or after completion of a milestone or significant project task, or every 24 months, at a minimum. Fact Sheets are typically focused on a single issue, and used if information dissemination needs occur and any time during an environmental cleanup project. Fact Sheets may also be distributed at public meetings, community events, via the web site, e-mail and postal delivery.

Fact Sheets will be produced in consultation with DTSC. Examples of previous Fact Sheets can be found in Appendix D.

6.3.4 Informational Brochures/Postcards

(Objectives B, C, D, F & G)

Informational brochures/postcards will be developed to distribute to attendees of informational presentations and distributed to other central community locations. The brochures will detail the former defense use of the Aerojet Rocketdyne Chino Hills facility, remedial activities, public safety information, procedures if you suspect the discovery of an MEC item, and emergency contact information. The brochures will also be available on the website.

6.3.5 Cleanup and Outreach

(Objectives B, C, & G)

Updates to the Community Engagement Plan will be made as the Corrective Measures Workplans and reports are prepared and approved by DTSC. Upon Agency approval, the updated CEP will be uploaded to the Chino Hills Community Engagement Website. Appendix G, Chino Hills Community Engagement Activities Schedule, will also be updated as appropriate.

6.3.6 Information Repositories

(Objective H)

Information Repositories are maintained to provide public access to environmental information associated with site cleanup. The Information Repository for the Aerojet Rocketdyne Chino Hills site are located at:

Chino Hills Branch Library
14020 City Center Drive
Chino Hills, CA 91709-5442
(909) 590-5380

Hours of Operation
10:00 am – 8:00 pm Monday – Thursday
10:00 am – 6:00 pm Friday
9:00 am – 5:00 pm Saturday
1:00 pm – 5:00 pm Sunday

Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630-4732
(714) 484-5337 (By appointment only)

6.3.7 Chino Hills Community Engagement Web Site

(Objectives B, C, D, F & G)

A website will be developed at www.rocket.com/chino, and will be maintained and updated at least quarterly by Aerojet Rocketdyne. Information on the website will include the history of the Chino Hills facility, current corrective measures activities, the safety education video, identify scheduled community meetings, and provide notices of activities that may impact the community along with the final Community Engagement Plan. An invitation to join a mailing list for electronic notices and information will also be a feature of the website.

Community member comments and concerns can be transmitted to DTSC/Aerojet Rocketdyne via an email feature on the website. DTSC/Aerojet Rocketdyne may also use the website to conduct periodic surveys to obtain community feedback, as necessary.

6.3.8 Public Notices

(Objectives B, F & G)

Public Notices will be published by Aerojet Rocketdyne in the Chino Hills Champion and the Inland Valley Daily Bulletin newspapers. These notices will describe a selected and intended course of action. Notices will also be published to announce the public comment period for proposed plans, findings of suitability to

transfer property, and the location of the administrative record and information repositories, or information regarding cleanup activities at the site that may warrant public notice.

6.3.9 Safety and Education Video

(Objectives B, C, D, F & G)

Aerojet Rocketdyne will initiate the development of a safety education video that addresses safety issues in the foothill area on and around the Aerojet Rocketdyne Chino Hills facility. The video will display examples of ordnance samples to engage in demonstrations and provide safety precautions and actions to be taken if suspected ordnance or explosives are found. It will describe the dangers of trespassing in prohibited areas and handling of suspected ordnance items. Interested civic and community organizations, or other community members may download the video from the website. Aerojet Rocketdyne will seek guidance and review of the video from DTSC, the City of Chino Hills Community Services Department, the Chino Valley Independent Fire District, the San Bernardino Sheriff's Department, and Chino Hills State Park. (See Section 7.)

7.0 Implementation of the Safety and Education Program

7.1 Safety Education Video

7.1.1 Objective

The Objective of the safety education video is to provide interested parties with information on how to:

- Recognize the visible attributes of various MEC items assembled and tested at the Aerojet Rocketdyne Chino Hills facility;
- Associate danger with MEC and the restricted areas of the Aerojet Rocketdyne Chino Hills facility;
- Take appropriate safety actions if suspected MEC is discovered.

The video will be developed with collaboration and input from local public safety agencies.

7.1.2 Components of the Video

Approximately 20 minutes

	Messages	Visuals
Introduction	Who we are Purpose of Video	
Site Information	Where the site is 400 acres owned and 400 leased Chino Hills community growing up around Aerojet Rocketdyne facility	Maps City location map Arial of property
History	Aerojet Rocketdyne operated site from 1954-1995 Began small ordnance testing in 1954 200 employees Munitions testing and assembly Ceased operations in 1995	Historical photos
Products	High explosive incendiary projectiles (HEI) Armor-piercing incendiary projectiles (API) Target practice rounds (TP) and fuses Testing conducted per government requirements	Product photos
Closure	Currently undergoing closure under DTSC and California DHS oversight	
Clean-up Activities	Started Voluntary remediation activities in 1994 Solid Waste Management Units (SWMUs) under DTSC oversight – Hazardous Waste Open Burn/Open Detonation (OB/OD) – Removal of ordnance from soils Depleted Uranium (DU) – Penetrators and fragments - DHS Oversight Removal of ordnance GOAL: Make the site safe	Photos Dummy rounds and fuses
Community Activities	Educate community on Aerojet Rocketdyne's work and clean-up Educate children and adults on MEC Provide printed and digital information Keep the community updated	Samples of Newsletters, website
Future	Working in partnership with the City of Chino Hills, Aerojet Rocketdyne will develop land use plan to benefit community and company	
If you find MEC. . .	Don't Touch Mark the location Call 911 WHO DO YOU CALL? Process??	Photos, Dummy Rounds and fuses
Closing	Aerojet Rocketdyne in this community for more than 50 years Here for the long-term Partnership with the City	
Q&A	Where to look/Who to call if there are questions	

Audiences:
Community Groups: Civic organizations, Chambers of Commerce, Parent/Teacher Groups, Homeowner Associations

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11. Geomatrix, 2006a, Corrective Measures Completion Report, Aerojet Rocketdyne Chino Hills Facility, Chino Hills, California, Volumes 1 through 4, February 21.
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Appendix A - Acronyms/Glossary of Terms

Focus Group

The Focus Group is a body of public agency and community citizens that advise Aerojet Rocketdyne on execution of the Community Engagement Plan (CEP) and related outreach activities to members of the community. The Focus Group may also review the CEP periodically and provide input.

Cal/EPA - California Environmental Protection Agency

The California Environmental Protection Agency (Cal/EPA) was created in 1991 to create a cabinet level voice for the protection of human health and the environment and to assure the coordinated deployment of State resources. Cal/EPA's mission is to restore, protect and enhance the environment, to ensure public health, environmental quality and economic vitality.

CEQA - California Environmental Quality Act

CEQA is a state statute that requires state and local agencies to identify the significant environmental impacts of their actions and to avoid or mitigate those impacts, if feasible.

Closure

Closure is the term used to describe the actions taken when a RCRA regulated unit is removed from service.

Corrective Action

Corrective Action compels responsible parties to address the investigation and cleanup of hazardous releases themselves.

Corrective Measures

Corrective measures are to reduce the concentration of hazardous waste or hazardous waste constituents released to a specific environmental medium to achieve cleanup standards.

DU - Depleted Uranium

Depleted Uranium (DU) is what is left over when most of the highly radioactive types (isotopes) of uranium are removed for use as nuclear fuel. DU is weakly radioactive. It is used in armor penetrating military ordinance because of its high density, and also in the manufacture of defensive armor plate.

DHS - California Department of Health Services

DHS administers a broad range of public and clinical health programs that provide health care services to Californians.

DTSC - Department of Toxic Substances Control

DTSC, an agency of Cal/EPA, protects the public from toxics from the past, in the present, and into the future.

Final Remedy

The final cleanup action proposed for dealing with contaminants at a site.

GPO - Geophysical Prove-Out

Test samples of varying size and mass are hidden at differing depths in terrain similar to the subject site. This is done to evaluate the performance of MEC detection equipment under identical site conditions.

Groundwater

The supply of fresh water found beneath the earth's surface, usually in aquifers, which supply wells and springs.

Health Risk Assessment

The evaluation and quantification of potential health hazards to humans from exposure to substances and agents in their environment.

MEC - Munitions and Explosives of Concern

Classification for military munitions that pose an explosive safety risk. MEC consists of two types of military munitions that pose explosive safety risks:

UXO (fired military munitions)
DMM (unfired military munitions)

Metals

Metallic elements (such as mercury, chromium, cadmium, arsenic, and lead) with high molecular weights.

OB/OD - Open Burn/Open Detonation

An on-site area where ordinance not meeting quality assurance standards are destroyed by burning or detonating them.

OE - Ordnance and Explosives

All ammunitions products and components produced for or used by the armed forces for national defense and security.

Perchlorate

A simple salt-like substance made up of chlorine and oxygen. It is often used by the military, NASA and the commercial space industry as an ingredient in solid rocket fuel and explosives. Perchlorate is naturally present in some fertilizers typically used in organic farming.

RCRA - Resource Conservation and Recovery Act

Enacted in 1976, RCRA is a Federal law of the United States. The Environmental Protection Agency (EPA) states that RCRA's goals are to protect the public from harm caused by waste disposal; to encourage reuse, reduction, and recycling; and to clean up spilled or improperly stored wastes.

RFI - RCRA Facility Investigation

A study that examines the nature and extent of contamination at a facility regulated under RCRA.

Site Conceptual Model

A conceptual scenario for a given site. This process is used to develop a hypothesis regarding the location, and movement of contaminants of concern at the site and any potential impacts that may occur to human health, the environment, or beneficial reuses of resources.

SWMU - Solid Waste Management Unit

Any discernible unit in which wastes have been placed at any time, regardless of whether the unit was designed to accept solid waste or hazardous waste and from which contaminants may migrate; units to include but not be limited to old landfills, wastewater treatment tanks, container storage areas, surface impoundments, waste piles, land treatment units, incinerators, injection wells, recycling operations, leaking process or waste collection sewers, and transfer stations.

UXO - unexploded ordnance

Explosive ordnance that has been primed, fuzed, armed or otherwise prepared for use or used.

Appendix B List of Key Community Leaders, Groups and Interested Parties

(TBD in Cooperation with City of Chino Hills)

City of Chino Hills Konradt Bartlam, City Manager 14000 City Center Drive Chino Hills, CA 91709-5442 (909) 364-2610	City of Chino Hills Denise Cattern, PIO 14000 City Center Drive Chino Hills, CA 91709-5442 (909) 364-2615
The Honorable Bob Huff Senator, 29th District California State Legislature 1800 E. Lambert Road, Suite 150 Brea, CA 92821-4368 (714) 671-9474	Supervisor Curt Hagman Fourth Supervisory District County of San Bernardino 14010 City Center Drive Chino Hills, CA 91709-5442 (909) 465-1895
The Honorable Ling Ling Chang Assemblymember, 55th District 13920 City Center Drive, Suite #260 Chino Hills, CA 91709-5414 (909) 627-7021	Congressman Ed Royce United States House of Representatives 210 Birch Street, Suite 201 Brea, CA 92821-4932 714) 255-0101 Congresswoman Norma Torres (35th District) 3200 Inland Empire Blvd., Suite 200B Ontario, CA 91764 (909) 941-6474
Chino Valley Independent Fire District Deputy Fire Marshal 14011 City Center Drive Chino Hills, CA 91709-5442 (909) 902-5260	Chino Valley Independent Fire District Public Information Officer 14011 City Center Drive Chino Hills, CA 91709-5442 (909) 902-5260
Chino Valley Chamber of Commerce Representative 13150 Seventh Street Chino, CA 91710-4113 (909) 627-6177	Chino Valley Medical Center Representative 5451 Walnut Avenue Chino, CA 91710-2609 (909) 464-8966
CAL-EPA/DTSC Stacey Lear, Public Participation Specialist Public Participation Branch 5796 Corporate Avenue Cypress, CA 90634732 (714) 484-5354	Representative Chino Hills Police Department 14077 Peyton Drive Chino Hills, CA 91709-1610 (909) 364-2000
Representative Chino Hills State Park 1879 Jackson Street Riverside, CA 92504-5526 (909)780-6222	Focus Group Members (To be determined)

Appendix C - Meeting Places

City-Operated Facilities
Chino Hills City Hall
14000 City Center Drive
Chino Hills, CA 91709-5442
Phone: (909) 364-2600

Chino Hills Community Center
14250 Peyton Drive
Chino Hills, CA 91709 -1603
Phone: (909) 364-2826

Grand Avenue Park Community Building
1301 Grand Avenue
Chino Hills, CA 91709
Phone: (909) 364-2700

McCoy Equestrian & Recreation Center
14280 Peyton Drive
Chino Hills, CA 91709-1603
Phone: (909) 548-0868

Private Facilities
Ayres Hotel Chino Hills
4785 Chino Hills Pkwy
Chino Hills, CA 91709-5849
Phone: (909) 631-2922

Hampton Inn & Suites
3150 Chino Avenue
Chino Hills, CA 91709-3518
Phone: (909) 591-2474

Appendix D – Fact Sheets

Laws, Regulations &

Pollution Prev

Managing Hazardous Waste

Preventing environmental damage from hazardous waste, and restoring contaminated sites for all Californians

Public Involvemen

Cleanup

Science & Tech

State of California

Department of Toxic Substances Control

Public Involvement

FACT SHEET #3, August 2005

Aerojet, Chino Hills, Cleanup Activities Update

The Department of Toxic Substances Control (DTSC) continues to oversee ongoing cleanup activities of hazardous substances at the former Aerojet Facility (facility) located at the end of Woodview Road in Chino Hills (see map on page 2). This fact sheet provides you with information about investigation and cleanup activities DTSC is overseeing at the facility, and lets you know how you can get involved by completing a survey questionnaire. The survey questionnaire will help us learn more about your community and determine a community education outreach strategy.

General Background

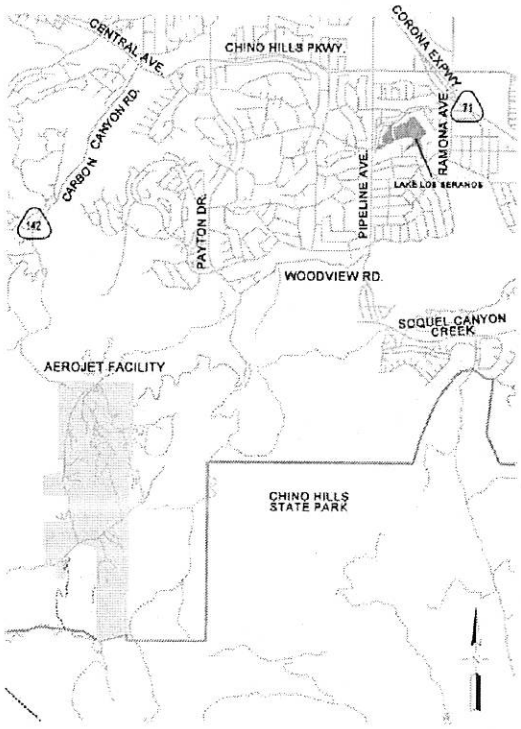
In 1994, DTSC began an environmental investigation to determine the nature and extent of contaminants present at Aerojet and define cleanup options. Contaminants that were found include munitions called ordnance, explosive chemicals in soil and groundwater, perchlorate in soil and groundwater, and depleted uranium (DU) in soil and surface water. Ordnance present at the facility include exploded and unexploded projectiles and fragments. The environmental investigation was completed in 1999 and cleanup options were developed and presented to the community through a public notice. A cleanup remedy was selected and approved in November 2000. Cleanup activities are still underway. Since cleanup activities began, neighboring property owners recently began development of a new residential community just north and west of Aerojet's property.

WE INVITE YOU TO COMPLETE A SURVEY QUESTIONNAIRE

We are interested in what you think your community needs to know about ordnance and public safety. Please fill out and return the attached survey questionnaire by August 31, 2005 and mail to:

Ms. Stacey Lear
Public Participation Specialist
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630
E-mail: slear@dtsc.ca.gov

Your responses will help develop upcoming community outreach and education activities



Aerojet Facility, Chino Hills, California

Facility Description and Location

The Aerojet facility is located at the end of Woodview Road (formerly Soquel Canyon Road) in the City of Chino Hills, San Bernardino County. The site occupies approximately 800 acres of which Aerojet owns 400 acres and leases the remainder. The leased land serves primarily as a buffer zone from development and is used for cattle grazing. Land adjoining the facility is also used for cattle grazing.

Aerojet facility operations included loading, assembly, packing of munitions and a limited amount of research and development of explosives, propellants and proprietary organic chemicals. The facility operated from 1954 through November 1995 when Aerojet ceased operations.

Cleanup & Clearance Activities Conducted

In 1993, Aerojet entered into a Consent Agreement with DTSC for Corrective Action. The Corrective Action process consists of a site investigation, selection of the cleanup option (also known as Corrective Action), and implementation of the cleanup option. DTSC provides regulatory oversight of the Corrective Action process so that the site is cleaned up in a manner protective of human health and the environment.

In 1993, DTSC also approved the closure plan for cleanup of the Open Burn/Open Detonation Unit.

Solid Waste Management Units (SWMUs)

Over 1,200 soil and water samples were collected and analyzed to determine the nature and extent of chemical contamination. Results showed there were no harmful levels of chemicals in surface waters, nor were any detected outside of or migrating from facility boundaries that posed a risk to human health or the environment. Ten of 29 SWMUs and Areas Of Concern (AOCs) required cleanup actions, primarily to address soil contamination and removal of ordnance fragments. These cleanup actions were completed and a report documenting the actions called the Corrective Measures Completion Report, was submitted to DTSC in November 2003. Additionally, Aerojet completed a Health Risk Assessment (HRA) that evaluated the chemical toxicity of depleted uranium remaining in site soils. DTSC completed review of the HRA in October 2004. The HRA demonstrated that levels of depleted uranium remaining in site soils did not exceed concentrations allowed for unrestricted land use.

Open Burn/Open Detonation (OB/OD) Unit

Some ordnance items assembled during Aerojet operations that did not meet standards for military use were destroyed by treating it on-site in the OB/OD unit. The treatment under state and federal permits, include incineration (burning) and detonation (exploding). Closure activities at the OB/OD unit began in 1994 and include sweeping soil with metal detection equipment to locate ordnance items and excavation and screening of soil to remove ordnance items. To ensure maximum effectiveness, these activities require dry soil and weather conditions. Therefore, cleanup activities in the OB/OD unit are carried out during the dry months of April through October or November. Soil screening activities will resume in summer 2005 once soil is sufficiently dry to process through the screening plant. Aerojet plans to complete remaining soil screening activities by fall 2005.

Depleted Uranium (DU)

DU cleanup activities were conducted under the regulatory oversight of the State Department of Health Services, Radiologic Health Branch (DHS).

A technician scans an area with a magnetometer to detect metallic items during a site investigation

Cleanup standards were based on radiologic health risk (cancer endpoint) and the final report was submitted to DHS in July 2003. In September 2004, DTSC concluded its review of a DU Health Risk Assessment. Levels of DU at the site in soil, surface water and groundwater were found to be within acceptable human health based levels.

Health and Safety

Cleanup activities are ongoing, therefore it is important the public obey the ***unauthorized personnel keep out*** signs surrounding the Aerojet property. Also, if a suspected ordnance item is found in the vicinity, it is important that you do not touch it. Rather, take note and mark the location with a marker such as a stick, rock or piece of clothing so it can be easily found and immediately contact the San Bernardino County Sheriff's Department at (909) 465-6638.

In response to community concerns, the California Cancer Registry conducted three cancer assessments for Chino Hills. These assessments did not find any excess in the cancer occurrence in Chino Hills and reported slightly fewer childhood cancer cases than the number predicted by the population size and demographic configuration. Findings from the cancer assessments can be found in the Information Repository (see page 4 for more information).

During cleanup activities, soil, air and water quality were monitored and results show that on-site contaminants and cleanup activities did not pose health risks outside of the facility.

Community Education Plan (CEP)

As a condition of approval for Corrective Measures, Aerojet will develop and maintain a Community Education Plan (CEP). The purpose of the CEP is to educate and assist the community on co-existing with ordnance and public safety. To do this, the CEP will identify various governmental, agency, health, fire and other partnerships to assess potential impacts to the surrounding Chino Hills community relative to the Aerojet project. The CEP will also identify community interests, concerns and stakeholders that together will sustain an open channel and process for community input and education on ordnance and public safety. CEP components may include community education through public meetings, regular mailings, presentations to local agencies and schools, organizations, and other public groups.

We are interested in what you think the CEP might include. If you or your organization or group have ideas about implementation of the CEP, you are invited to complete and return the attached questionnaire (see insert for more information).

Next Steps & Future Plans for Aerojet Facility

Site cleanup is the first step in returning the land to a beneficial use. DTSC's main objective for cleanup is protection of human health, the environment and public safety. Before the land can be transferred, DTSC will assess whether the cleanup has been successful; that it will be safe to use for the intended purposes. After DTSC completes its review of all reports documenting the cleanup and determines that no future cleanup activities are necessary, DTSC will hold a public comment period to provide you an opportunity to let us know what you think about the cleanup and potential land reuse prior to termination of Corrective Action. You will be notified of the public meeting in another mailing in the near future.

For More Information

Various reports, studies and other projects documents related to the Aerojet facility are available for public review at the following Information Repositories:

Chino Hills Public Library
2003 Grand Avenue
Chino Hills, CA 91709
(909) 590-5380

Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630
Contact: Ms. Julie Johnson for an appointment
(714) 484-5337

Questions about the cancer assessment may be directed to:

John W. Morgan, Dr.P.H., Cancer Epidemiologist
Desert Sierra Cancer Surveillance Program
Region 5 of the California Cancer Registry
11368 Mountain View Avenue, Suite C
Loma Linda, CA 92354
(909) 558-6170

How You Can Participate

If you would like to provide us with your thoughts or ideas on the CEP, or general information about the Aerojet project, you are invited to complete and return the enclosed survey questionnaire by August 31, 2005, and mail to Ms. Stacey Lear, DTSC Public Participation Specialist, 5796 Corporate Avenue, Cypress, CA, 90630.

DTSC Contacts

Ms. Christine Brown, Project Manager
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630
(714) 484-5382
E-mail: cbrown@dtsc.ca.gov

Ms. Stacey Lear, Public Participation Specialist
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630
(714) 484-5354
E-mail: slear@dtsc.ca.gov

For media inquiries, please contact:

Ms. Jeanne Garcia
DTSC Public Information Officer
(818) 551-2176

For more information about our agency, please visit our website at www.dtsc.ca.gov

Notice To Hearing Impaired Individuals

TDD users can obtain information about the Aerojet facility by using the California State Relay Service at (888) 877-5378. Ask them to contact Ms. Stacey Lear, DTSC Public Participation Specialist regarding Aerojet, Chino Hills.

California Environmental Protection Agency
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630

Department of Toxic Substances Control

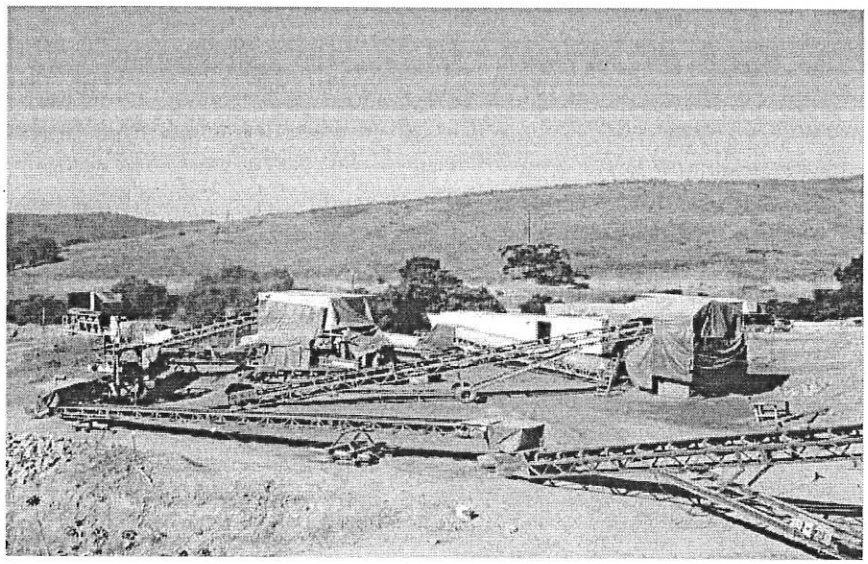
The mission of the Department of Toxic Substances Control is to provide the highest level of safety, and to protect public health and the environment from toxic harm.

State of California

Cal/EPA

Fact Sheet #4, March 2009

Aerojet, Chino Hills, OB/OD Closure Determination, Cleanup Activities Update, Public Comment Period & Open House



The screening plant in the OB/OD area screened 260,000 cubic yards of soil.

The Department of Toxic Substances Control (DTSC) is overseeing ongoing cleanup activities of hazardous substances at the former Aerojet Facility (facility) located at the end of Woodview Road in Chino Hills. This facility was used for the assembly and testing of ordnance for the United States Department of Defense from 1954 to 1995. This fact sheet provides you with information on DTSC's intent to certify closure of the permitted Open Burn/Open Detonation (OB/OD) Unit and also provides an update of site investigation and cleanup activities at the facility.

PUBLIC COMMENT PERIOD OPENS FOR DTSC APPROVAL OF OB/OD UNIT CLOSURE DETERMINATION

March 11, to April 10, 2009

OPEN HOUSE INVITATION
March 26, 2009, 5:00 pm to 9:00 pm
McCoy Equestrian Center
14280 Peyton Drive, Chino Hills

DTSC invites you to attend our Open House to discuss your questions and concerns regarding the Aerojet facility. See page 4 for more details.

Open Burn/Open Detonation (OB/OD) Unit & Closure Determination

Ordnance items that did not meet quality standards for military use were destroyed on-site in the OB/OD Unit. This treatment, allowed by state and federal permits, included incineration (burning) and detonation (exploding).

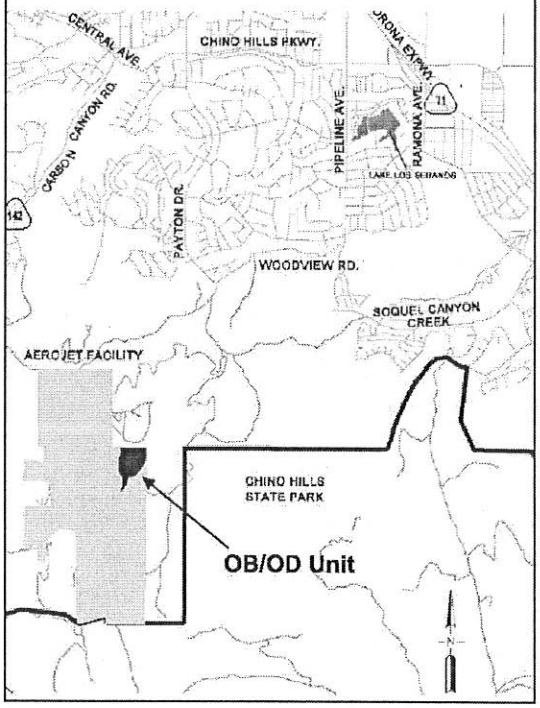
In 1993, DTSC approved Aerojet's closure plan for cleanup of the OB/OD Unit (see map at right), and in 1994, Aerojet implemented the closure plan. Initial work included excavation and screening of soils containing ordnance, and included ordnance sweeps of the area surrounding the OB/OD unit. Subsequently, after the initial work, DTSC and Aerojet agreed more work was needed and ordnance re-screening activities were performed. The re-screening work began in 2003, was temporarily halted during rainy seasons, and was physically completed in 2006. As part of the re-screening effort, the contractor completed ordnance sweeps of the bedrock underlying the soil excavated for re-screening. Additionally, a third-party quality assurance (QA) survey of the excavation bottom and support areas was performed. In areas where ordnance was found during a QA survey, corrective actions were implemented by the contractor that included re-excavation of soil in areas around each ordnance item, followed by additional ordnance sweeps. The area was then subjected to a new QA survey. Over 260,000 cubic yards of soil were re-excavated and re-screened with over 47,000 items and 120,000 pounds of inert fragments recovered.

In March 2007, Aerojet submitted the Final Ordnance Removal Report and the Report on Completion of Third Party Quality Assurance Confirmation Survey to DTSC. In December 2008, DTSC approved both reports. Prior to issuing closure certification for the OB/OD Unit, DTSC will hold a 30-day public comment period and host an Open House to receive public comments and assist the public with questions and concerns.

Facility Description & Location

The Aerojet facility is located at the end of Woodview Road (formerly Soquel Canyon Road) in Chino Hills. During operation, the site occupied about 800 acres of which Aerojet owned 400 acres (Aerojet currently owns 580 acres) and leased the remainder. The leased land served primarily as a buffer zone from facility operations. Land adjoining the property is used for cattle grazing. Aerojet facility operations included loading, assembly and packing of munitions and limited research and development of explosives, propellants and proprietary organic chemicals. The facility operated from 1954 through 1995 when Aerojet ceased operations.

The 800-acre Aerojet Chino Hills Facility. The OB/OD Unit is along the eastern property boundary.



Contamination Cleanup & Clearance Activities

In 1994, DTSC and Aerojet entered into a Consent Agreement to initiate an environmental investigation to determine the nature and extent of contaminants present and to define cleanup options (also known as Corrective Action), performed under the regulatory oversight of DTSC. Contaminants found include military ordnance (both exploded and unexploded projectiles), explosive compounds, and perchlorate in soil, surface water and subsurface water. In 1999, the environmental investigation was completed.

A total of 29 individual Solid Waste Management Unit (SWMU) and Areas of Concern (AOCs) were defined. Over 1,800 soil and water samples were collected and analyzed to determine the nature and extent of chemical contamination. Results showed there were no harmful levels of chemicals in surface waters, nor were any chemicals detected outside of or migrating from facility boundaries that posed a risk to human health or the environment. Therefore, 19 of the 29 SWMU/AOCs were assigned "no further action" by DTSC. The remaining 10 SWMU/AOCs required cleanup actions, primarily to address soil and subsurface water contamination and removal of ordnance items. Cleanup options were developed, presented to the community and a cleanup remedy was selected and approved in November 2000.
The cleanup actions for chemicals in these 10 areas are complete and no additional assessment work is required. In September 2008, DTSC approved the Corrective Measures implemented by Aerojet for chemicals. Ordnance-related investigation and removal activities are currently being completed under Corrective Action.

Depleted Uranium (DU)
DU cleanup activities were conducted under the regulatory oversight of the California State Department of Health Services (now called the CA Department of Public Health), Radiologic Health Branch (DPH). Cleanup standards were based on established California radiologic human health risk levels. In July 2003, the final report on achieved cleanup levels was submitted for DPH review. Additionally, the Aerojet site underwent a health risk assessment that evaluated chemical toxicity of uranium remaining in site soils. The assessment determined levels of uranium in site soils are well within allowable levels for human health and safety. In September 2004, DTSC concluded its review and found that levels of uranium at the site in soil, surface water and subsurface water are within acceptable human health based levels. In October 2007 and January 2008, DPH conducted an independent confirmatory survey for DU at the Aerojet facility. DPH's decision on termination of the radioactive materials license is pending.

Health & Safety
It is important that until completion of all ongoing cleanup activities, the public obey the *unauthorized personnel keep out* signs surrounding the Aerojet property. If a suspected ordnance item is found in the vicinity, it is important that you do not touch it or attempt to remove it. Rather, immediately contact the San Bernardino County Sheriff's Department at (909) 465-6638. Take note of your surroundings and mark the location with an object such as a stick, rock or piece of clothing so it can be easily found by public safety authorities.

In 1999, in response to community concerns, the California Cancer Registry conducted three cancer assessments for Chino Hills. The assessments did not find any excess cancer occurrence in Chino Hills. Findings from the cancer assessments can be found in the Information Repository (see page 4 for locations).

Community Education Plan (CEP)
As a condition of approval for Corrective Measures, Aerojet is developing a Community Education Plan (CEP) to inform and assist the community with public safety matters in connection with Aerojet's former ordnance activities. The CEP will identify various public agency (including environmental, health and fire) and private entity partnerships to assess potential impacts to the Chino Hills community relative to the Aerojet facility. The CEP will also identify community interests, concerns and stakeholders that together will maintain an open channel and process for community input and education on ordnance and public safety. CEP components may include community education through public meetings, regular mailings, presentations to local agencies and schools, organizations, and other public groups.

Next Steps & Future Plans for Aerojet Facility
Aerojet has just completed field activities designed to fill in data gaps outside the OB/OD Unit (but within the Aerojet study area) in order to locate and remove remaining ordnance items. The results of these activities will be reported to DTSC in late spring or early summer 2009. Based on the

results, Aerojet will complete a feasibility study that will evaluate potential future land uses and the cleanup efforts associated with a change in current land use, if any. Site cleanup is the first step in returning the land to a beneficial use. DTSC's main objective for cleanup is protection of human health, the environment and public safety. Before the current land use can change, DTSC will assess whether the cleanup is successful and the property is safe to be used for its intended purposes.

In the near future, after DTSC completes its review of *all* reports documenting the cleanup and determines that no future cleanup activities are necessary, DTSC will plan to terminate the Corrective Action process. You will be provided advance notification of this future opportunity to provide comment on termination of the Corrective Action process.

How You Can Participate Now

DTSC wants to know what you think about the OB/OD Unit Closure Determination. The Final Ordnance Removal Report and the Report on Completion of Third Party Quality Assurance Confirmation Surveys document the closure of Aerojet's OB/OD Unit area and is available for public comment. The 30-day public comment period begins **March 11, and ends April 10, 2009**, during which time you can provide your comments. You may use the enclosed form to send in questions or comments during the public comment period. Public comments should be mailed or e-mailed to:

Robert Romero, Project Manager
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630-4700
E-mail: rromero1@dtsc.ca.gov

You are also invited to attend our **Open House** on the OB/OD Unit Closure Determination where you can discuss your questions and concerns directly with project staff. This is a significant milestone towards the completion of cleanup activities at the Aerojet facility. **The Open House is being held Thursday, March 26, 2009, 5:00 pm to 9:00 pm,** at the McCoy Equestrian Center, 14280 Peyton Drive, Chino Hills. Your participation is encouraged.

Where to Find Site Documents

Project documents, including the OB/OD Unit Closure Determination Reports, are available for public review at:

James S. Thalman Chino Hills Branch Library
14020 City Center Drive
Chino Hills, CA 91709
(909) 590-5380
Mon – Thurs: 10:00 am to 8:00 pm
Fri: 10:00 am to 6:00 pm
Sat: 9:00 am to 5:00 pm
Sun: 1:00 pm to 5:00 pm

Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630-4700
Contact: Ms. Julie Johnson for an appointment
(714) 484-5337

Who to Contact For Information

If you have any questions about the project or cleanup activities, please contact:

Robert Romero, Project Manager
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630-4700
E-mail: rromero1@dtsc.ca.gov
(714) 484-5316

Stacey Lear, Public Participation Specialist
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630-4700
E-mail: slear@dtsc.ca.gov
(714) 484-5354

For Media Inquiries:

Jeanne Garcia
DTSC Public Information Officer
(818) 717-6573

Notice to Hearing-Impaired

TDD users can use the toll-free California State Relay Service at (888) 877-5378 to reach Stacey Lear, DTSC Public Participation Specialist at (714) 484-5354 or toll-free (866) 495-5651.

PUBLIC COMMENT FORM AND MAILING COUPON

NOTICE OF OPEN BURN/OPEN DETONATION (OB/OD) UNIT CLOSURE DETERMINATION AND 30-DAY PUBLIC COMMENT PERIOD AND COMMUNITY WORKSHOP AEROJET, CHINO HILLS FACILITY

You may use this form to send in your written public comments on the Final Ordnance Removal Report and Report on Completion of Third Party Quality Assurance Confirmation Surveys for the Aerojet facility. You may also use this form to ask to be added or deleted from the Aerojet facility mailing list. If you know of any persons or organization that would like to be on the mailing list, use this form to notify us. Please address all mailings to Robert Romero, Project Manager, Department of Toxic Substances Control, 5796 Corporate Avenue, Cypress, CA 90630-4700. **Reminder:** The 30-day public comment period begins **March 11, and ends April 10, 2009**, during which time you can provide your public comments. **All public comments on the Final Ordnance Removal Report and Report on Completion of Third Party Quality Assurance Confirmation Surveys must be postmarked or e-mailed by April 10, 2009:**

Name: _____

Agency or Organization (if applicable): _____

Address: _____

Telephone: _____

_____ Please add me to the Aerojet, Chino Hills facility mailing list.

_____ Please delete me from the Aerojet, Chino Hills facility mailing list.

Comments: _____

_____

_____

_____

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_____

_____

DTSC mailings are solely for the purpose of keeping persons informed of DTSC activities. Mailing lists are not routinely released to outside parties. However, they are considered public records and, if requested, may be subject to release.

Appendix E - Community Survey Form

Aerojet, Chino Hills
Community Education Plan (CEP)
Survey Questionnaire

Please complete the following questionnaire and return via mail no later than Wednesday, August 31, 2005

1) Name (Last, First, MI): Title: Mr. ○ Mrs. ○ Ms. ○
2) Address: Number of years at this address:
3) Do you work in the vicinity of Aerojet? Yes ○ No ○ If yes, please enter work address: Number of years at work address:
4) Are you affiliated with any local community organizations, agencies or schools? Yes ○ No ○ If yes, what are your responsibilities?
5) What is your overall impression of the Aerojet project?
6) Do you have any concerns about environmental cleanup activities being conducted at Aerojet? Yes ○ No ○ If yes, please describe:
7) What affects, if any, do former Aerojet operation and/or cleanup activities have on the surrounding community?
8) Are you aware of any events, incidents or activities at the Aerojet site that concern you such as vandalism, trespassing or emergency response from local authorities? If so, please provide details:

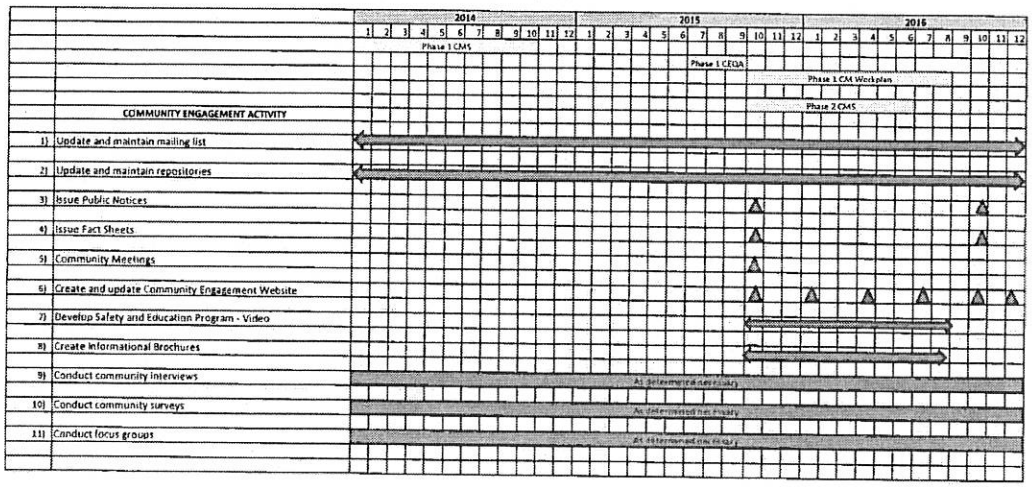
Appendix F - Community Interview Questionnaire

- How long have you lived or worked in this area?
- What languages are spoken in your household/community besides English?
- What is the best way to provide you w/information about the Aerojet Rocketdyne site?
- Do you feel your community would attend a community meeting? If yes, can you suggest a convenient location for community meetings to be held?
- Do you feel you have been adequately informed about the Aerojet Rocketdyne site? If not, what communication problems have you experienced? What other kinds of information would you like to receive?
- Where have you received your information about the Aerojet Rocketdyne site?
- How and when did you first become aware of the Aerojet Rocketdyne site?
- Do you have any concerns about this Aerojet Rocketdyne Site? If yes, which of these are most important to you?
- What do you know about the history of community involvement around the Aerojet Rocketdyne site?
- Have you been actively involved with the Aerojet Rocketdyne site in any way?
- Are you aware of any individuals or groups who have emerged as leaders on this issue? Do you feel they adequately represent your concerns?
- Have you had any contact with local, state or other officials regarding the Aerojet Rocketdyne site? If yes, what was the nature of the contact?
- What TV and/or radio stations do you get the news? What newspapers do you take?
- Do you feel that the media coverage has presented an accurate picture of the situation?
- Do you feel your concerns have been accurately reflected in media coverage?
- Do you feel more media coverage would be beneficial? Yes/No?
- Do you have confidence in the State's ability to clean up the Aerojet Rocketdyne site? If not, what do you feel the State has not done, or should do?
- Do you have confidence in the State's ability to appropriately process or approve the closure application for facility closure (that could potentially lead to redevelopment opportunities)?
- Can you suggest anyone else we may want to talk to that may want to get involved with the Aerojet Rocketdyne project?
- The Chino Hills Public Library was designated as the official Information Repository. Do you feel this location is adequate? If not, can you suggest an alternate location?

- What, if any, are your specific concerns about the Aerojet Rocketdyne Facility?
- Do you have any concerns about DTSC's investigation and cleanup oversight of the Aerojet Rocketdyne site? If yes, what are they?
- Some community members have expressed concerns about health impacts (cancer, cancer assessment conducted, drinking water, overall health impacts, etc.) that may or may not be associated with the Aerojet Rocketdyne site. Do you feel these concerns merit further discussion and/or outreach with the community? If so, how do you suggest we go about it?
- What outreach methods or tools do you suggest could be developed to further involve and educate community members on the Aerojet Rocketdyne site? How should they be used?

Appendix G - Schedule of CEP Activities

Chino Hills Community Engagement Activities Schedule
dated July 10, 2015



7/10/2015

Appendix H - About DTSC

Protecting the Environment

DTSC regulates hazardous waste and oversees the cleanup of hazardous waste sites throughout California. DTSC provides environmental protection through three primary functions:

Establishment of requirements for safe storage, transport, treatment and disposal of hazardous waste, and continuous inspection of hazardous waste facilities to ensure compliance with all requirements.

Identification and clean up of contaminated sites, including participation in the Federal Superfund Program.

Forging partnerships with industry and other stakeholders, to reduce the amount of hazardous waste created and fostering innovative environmental technologies.

What DTSC Does

Hazardous Waste Management:

Through its inspection, compliance, corrective action and authorization programs, DTSC ensures state and federal requirements for managing hazardous wastes are effectively implemented. Numerous facilities have authorization to treat, store and/or dispose of hazardous waste in California. Businesses which conduct lower-risk activities are regulated by a streamlined tiered permitting process or other oversight program that provide an appropriate level of oversight to protect the environment and public health.

Site Mitigation:

Thousands of sites throughout the state including former industrial plants, military bases, small business properties and landfills are contaminated with some level of hazardous waste. A key responsibility of DTSC is to conduct and oversee the cleanup and long-term monitoring of these sites.

School Property Evaluation and Cleanup Division:

In response to new laws requiring environmental assessments of all proposed school sites, DTSC has established a School Property Evaluation and Cleanup Division. Environmental investigations and cleanups are being conducted at hundreds of new and existing schools to ensure that children, teachers and others at these campuses are safe from threats posed by hazardous materials.

Brownfields Redevelopment:

DTSC is recognized nationally for its leadership and innovation in the environmental cleanup and reuse of Brownfields properties.

Military Bases:

DTSC and the U.S. Navy have a Memorandum of Understanding regarding land use controls relative to military base cleanups. The agreement acknowledges where cleanup levels are such that hazardous substances will be left behind at concentrations greater than would be safe for unrestricted uses, restrictive covenants will be made part of the cleanup remedy to limit future uses.

Science, Pollution Prevention and Technology:

The best way to reduce risks posed by hazardous waste is to reduce the amount of hazardous waste that is created. Toward that goal, technical experts at DTSC work with industry to develop innovative new technologies and methods that generate less hazardous waste. DTSC also evaluates waste-reduction plans developed by individual companies.

The Science, Pollution Prevention and Technology Program, which consists of the Human and Ecological Risk Division, Office of Pollution Prevention and Technology Development, and Hazardous Materials Laboratory, was created to consolidate DTSC's technically and scientifically oriented activities, and to support environmental improvements through pollution prevention and new technologies.

Enforcement of Environmental Laws:

An enforcement policy is in place to respond to any violations in hazardous waste management practices. DTSC has implemented programs that assist businesses and industry in complying with environmental regulations, but a strengthened enforcement program has also been launched to increase inspections, respond to major violations, and increase criminal and civil legal actions when necessary.

DTSC will investigate and prosecute more environmental crimes, conduct more frequent inspections, aggressively pursue enforcement actions, provide additional laboratory resources, and provide inspectors and investigators with improved technological capabilities to enhance hazardous waste enforcement activities.

Office of Communications/Public Participation:

DTSC strives to maintain a high-level of communication with industry, environmental groups and the public. Public Participation provides a vital link to impacted communities, environmental organizations and concerned citizens by ensuring the public has the opportunity to participate in DTSC's decision-making process. Duty Officers answer thousands of inquiries from the public and regulated community on hazardous waste and related issues.

More information regarding DTSC can be found on the Internet at www.dtsc.ca.gov.