



**DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 412TH TEST WING (AFMC)
EDWARDS AIR FORCE BASE, CALIFORNIA**

3 July 2025

1st Lt Evan Marshall
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Bioenvironmental Engineering Flight
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Mr. Dhaliwal,

Attached is the 2024 Consumer Confidence Submission Report for Edwards AFB AFRL, PWS ID 1510702.

If you have any questions or require additional information, please call me or the Bioenvironmental Engineering office at (661) 277-3272.

Sincerely,

EVAN N. MARSHALL, 1st Lt, USAF
Chief, Environmental Health Element

APPENDIX B: eCCR Certification Form

Consumer Confidence Report Certification Form

(To be submitted with a copy of the CCR)

Water System Name: Edwards Air Force Base AFRL

Water System Number: CA1510702

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 25 June 2024 to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water (DDW).

Certified by: Name: 1st Lieutenant Evan Marshall
Signature: _____
Title: Chief, Environmental Health Element
Phone Number: (661) 277 - 3272 Date: 3 July 2025

To summarize report delivery used and good-faith efforts taken, please complete this page by checking all items that apply and fill-in where appropriate:

- ☐ CCR was distributed by mail or other direct delivery methods (attach description of other direct delivery methods used).
- ☒ CCR was distributed using electronic delivery methods described in the Guidance for Electronic Delivery of the Consumer Confidence Report (water systems utilizing electronic delivery methods must complete the second page).
- ☒ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:
 - ☒ Posting the CCR at the following URLs:
<https://www.edwards.af.mil/About/Environment/>
 - ☐ Mailing the CCR to postal patrons within the service area (attach zip codes used)
 - ☒ Advertising the availability of the CCR in news media (attach copy of press release)
 - ☐ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
 - ☒ Posted the CCR in public places (attach a list of locations)
 - ☐ Delivery of multiple copies of CCR to single-billed addresses serving several persons, such as apartments, businesses, and schools
 - ☐ Delivery to community organizations (attach a list of organizations)
 - ☒ Publication of the CCR in the electronic city newsletter or electronic community newsletter or listserv (attach a copy of the article or notice)
 - ☐ Electronic announcement of CCR availability via social media outlets (attach list of social media outlets utilized)
 - ☐ Other (attach a list of other methods used)
- ☐ For systems serving at least 100,000 persons: Posted CCR on a publicly-accessible internet site at the following URL: www._____

- ☐ *For privately-owned utilities:* Delivered the CCR to the California Public Utilities Commission

Consumer Confidence Report Electronic Delivery Certification

Water systems utilizing electronic distribution methods for CCR delivery must complete this page by checking all items that apply and fill-in where appropriate.

- ☐ Water system mailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available website where it can be viewed (attach a copy of the mailed CCR notification). URL:
- ☒ Water system emailed a notification that the CCR is available and provides a direct URL to the CCR on a publicly available site on the Internet where it can be viewed (attach a copy of the emailed CCR notification). URL: [2_AFRL EAFB 2024 CCR.pdf](#)
- ☒ Water system emailed the CCR as an electronic file email attachment.
- ☐ Water system emailed the CCR text and tables inserted or embedded into the body of an email, not as an attachment (attach a copy of the emailed CCR).
- ☐ *Requires prior DDW review and approval.* Water system utilized other electronic delivery method that meets the direct delivery requirement.

Provide a brief description of the water system's electronic delivery procedures and include how the water system ensures delivery to customers unable to receive electronic delivery.

Edwards AFB Public Affairs employs a digital app called The Tower along with a companion website to disseminate weekly newsletters. All military and/or non-military members living or working on Edwards AFB have access to The Tower. A push notification was issued when the CCRs became available. See attached for a screen print of the newsletter where the CCRs were linked.

The Public Affairs office will include the CCRs on three (3) cycles of the newsletter and a push notification will be issued each time. Afterwards, they will still be included on Edwards AFB Environmental page. URL: <https://www.edwards.af.mil/about/environment/>

*This form is provided as a convenience and may be used to meet the certification requirement of
section 64483(c) of the California Code of Regulations.*



Edwards Air Force Base California



2024 Water Quality Report

2024 Monitoring Results for Edwards AFB – AFRL (Public Water System ID: CA1510702)
Prepared By: 412th Test Wing – Bioenvironmental Engineering Flight

Annual Consumer Report

We feel it is important that our consumers know about where our water comes from, what it contains, and how it compares to requirements set by regulatory agencies. This report is a snapshot of last year's water quality.

Last year, our tap water met or exceeded all U.S. Environmental Protection Agency (USEPA) and state drinking water health requirements. See page 6 for detailed information regarding lead sample results and education.

Through regular monitoring, any contaminants found were verified to be within regulatory standards. The detected amounts and the associated standards, are included in the tables published within this report.

Where Does Our Water Come From?

The AFRL Drinking Water System draws water from two sources:

- Antelope Valley East Kern (AVEK) Water Agency
- On-base groundwater wells

AFRL receives a majority of our water supply from the Antelope Valley East Kern (AVEK) Water Agency. The water received from the AVEK is supplied to AFRL in finished drinking water quality form. The AVEK main water source is the California Aqueduct. AVEK's alternative supply is from the State Water Project, which is water stored in the aquifer at various underground storage facilities (i.e. "water banks"). This water is extracted as local groundwater for water quality purposes or as supply during drought. As a water wholesaler, the AVEK Water Agency published their 2024 Water Quality Report earlier this year, which is located at <https://www.avek.org/2024-annual-water-quality-report-kern-county-system>

Additionally, groundwater can be extracted from one out of six active installation wells. Although throughout 2024, the wells only served as a back-up function to AVEK supply. These wells are fed by the Antelope Valley Aquifer.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

Treatment Process

Our water is treated with chlorine, a disinfectant which kills dangerous bacteria and other microorganisms that may be in the water. The 412th Civil Engineering Squadron monitors the disinfectant levels daily.



Pictured above: A technician from the 412th Operational Medical Readiness Squadron, Bioenvironmental Engineering Flight conducting routine water testing at locations spanning the water distribution system. Water samples are collected, tested by a certified laboratory, and results are submitted to the State Water Resources Control Board to demonstrate compliance with all requirements and regulations.

Source Water Assessment

The 412th Civil Engineering (CE) Squadron completed our Source Water Assessment on 18 June 2003 and it is on file in the CE Water & Gas office (661-277-5000). This assessment looks at possible contamination sources that may affect the base water supply. Possible contaminating activities for the wells surveyed in this assessment include nearby abandoned wells, storm drainage discharge, above ground water storage tanks, and nearby roads. The health risks from these activities are diminished through weekly monitoring of the potable water system.

EAFB is aware that many buildings at AFRL use bottled water. EAFB is not responsible for sampling or for reporting on bottled water. Water quality reports for your bottled water may be obtained by contacting your building's bottled water vendor.

What Is In Drinking Water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. **The presence of contaminants does not necessarily indicate that the water poses a health risk.** More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (1-800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- Radioactive contaminants, that can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (USEPA) and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The State Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Consumption Note for Susceptible Individuals

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).



Water Quality Data Table

All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. Additionally, some naturally occurring minerals provide benefits by improving the taste of drinking water and providing nutritional value at low levels.

In order to ensure that tap water is safe to drink, the USEPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The tables on the following pages list all of the drinking water contaminants that were detected during the 2024 calendar year of this report. Many more contaminants were tested than listed on the following table; only those substances listed below were detected in our water. The USEPA and state allow us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently, or because the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, is more than one year old.

In these tables you may find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below.

Important Terms Used

Term	Definition
AL	Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
LRAA	Local Running Annual Average: Annual running average at a single sampling site.
HAA5	Sum of Five Regulated HAAs, i.e., Monochloroacetic Acid, Monobromoacetic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid
MCL	Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.
MCLG	Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency.
mg/L	Mg/L: Milligrams per Liter (ppm)
N/A	Not Applicable
ND	Not Detected
pCi/L	pCi/L: picocuries per liter (a measure of radioactivity)
PDWS	Primary Drinking Water Standards: MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.
PHG	Public Health Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
ppm	ppm: parts per million, or milligrams per liter (mg/L)
SDWS	Secondary Drinking Water Standards: MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.
TTHM	Total Trihalomethanes, or Sum of Four Regulated THMs, i.e., Chloroform, Bromodichloromethane, Dibromochloromethane, and Bromoform
µs/cm	µs/cm: micro Siemens per centimeter (a measure of conductivity of a solution)
µg/L	Micrograms per Liter (ppb)

Water Quality Data Table

Contaminant	MCL			AVEK ¹	AFRL Well	Distribution System ²	Months in Violation	Major Sources in Drinking Water
Microbiological Contaminants (PDWS) ³								
Total Coliform	5% positive or 2 consecutive positive samples			0	0	0	0	Naturally present in the environment
E. coli	1 positive sample			0	0	0	0	Human or animal fecal waste
Contaminant	MCL	PHG	AVEK Plant Average ¹	AVEK Wells Average ¹	AFRL Well	Sample Date	Violation	Major Sources in Drinking Water
Inorganic Compound (PDWS)								
Aluminum (µg/L)	1000	600	130	ND	ND	2021	No	Erosion of natural deposits; residue from some surface water treatment processes
Arsenic ⁴ (µg/L)	10	0.004	3.6	5.2	8.8	2024	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium	1000	2000	58	ND	33	2024	No	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Total Chromium (µg/L)	10	MCLG = 100	5.1	ND	ND	2024	No	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Hexavalent Chromium (µg/L)	10	0.02	5.8	2.9	8.4	2024	No	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
Fluoride (mg/L)	2	1	0.28	0.15	0.3	2024	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (mg/L)	10	10	0.59	2.8	0.4	2024	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits

1. AVEK data, including AVEK Plant Average and AVEK Wells Average, were obtained from 2024 & 2023 Kern County Annual Water Quality Report. Some contaminants are not required to be tested every year, thus some of these data were obtained from the 2023 report or previous reports.

2. Distribution System refers to sampling that are taken at final point of delivery to end user throughout the base.

3. In June 2024, there was a failure to collect routine samples within the month. The failure to collect the samples will lead to a citation by the State Water Resources Control Board, Division Of Drinking Water. The sample failure also led to a public notice to the consumers. Samples were soon taken in July 2024 and all results were negative of Total Coliform and E. coli. Remedial training and standard operating procedures (SOP) updates were completed to ensure samples are taken within the monthly timeframe.

4. Well water was mixed with water supplied from AVEK to dilute arsenic levels.

Water Quality Data Table Continued

Contaminant	MCL	PHG	AVEK Plant Average	AVEK Wells Average	AFRL Average	AFRL Range	Sample Date	Violation	Major Sources in Drinking Water
Disinfectants & Disinfection By Products ⁵ (PDWS)									
Total Trihalomethanes (µg/L)	LRAA: 80		46	20	20	4.8-33	2024	No	Byproduct of drinking water disinfection
Haloacetic Acids (µg/L)	LRAA: 60		11	3.2	ND	ND	2024	No	Byproduct of drinking water disinfection
Lead and Copper ⁶ (PDWS)									
Lead (mg/L)	AL=90% of bldgs. <15	0.2	ND	ND	0.0058	5 sites sampled; 0 sites over AL		No	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (mg/L)	AL=90% of bldgs. <1.3	0.3	ND	ND	0.074	5 sites sampled; 0 sites over AL		No	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Contaminant	MCL	PHG	AVEK Plant Average	AVEK Wells Average	AFRL Average	AFRL Range	Sample Date	Violation	Major Sources in Drinking Water
Radioactive Contaminants (PDWS)									
Gross Alpha (pCi/L)	15	0.2	N/A	5.3	4.15	4.15	2021	No	Erosion of natural deposits
Uranium (pCi/L)	20	0.43	3.5	N/A	1.63	1.63	2021	No	Decay of natural and man-made deposits
5th Unregulated Contaminant Monitoring Rule									
PFOS (ppt)	4	1	N/A	N/A	ND	ND	2024	No	Industrial Sites, Fire Training, landfills, wastewater treatment
PFOA (ppt)	4	0.007	N/A	N/A	ND	ND	2024	No	Industrial Sites, Fire Training, landfills, wastewater treatment
Contaminant	Secondary MCL ⁷		AVEK Plant Average	AVEK Wells Average	AFRL Well	Sample Date	Violation	Major Sources in Drinking Water	
Secondary Standard Contaminants (SDWS)									
Alkalinity Bicarbonate (mg/L)	N/A		50	ND	93	2015	No	Erosion of minerals and natural carbonate deposits	
Calcium (mg/L)	N/A		74	70	28.3	2015	No	Leaching from natural deposits	
Chloride (mg/L)	250		47	5	12.3	2015	No	Runoff/leaching from natural deposits; seawater influence	
Hardness Total as CaCO3 (mg/L)	N/A		140	220	98	2015	No	The sum of polyvalent cations present in the water, generally naturally occurring magnesium and calcium	
Iron (µg/L)	300		ND	135	408	2015	No	Leaching from natural deposits; industrial wastes	
Magnesium (mg/L)	N/A		8.3	8.5	3.85	2015	No	Erosion of minerals and natural deposits	
Manganese (µg/L)	50		ND	ND	1.94	2015	No	Erosion of minerals and natural deposits; steel production and mining.	
Sodium (mg/L)	N/A		15	43	50.4	2015	No	Leaching from natural deposits	
Specific Conductance (µs/cm)	1		500	650	394	2015	No	Substances that form ions when in water; seawater influence	
Sulfate (mg/L)	500		53	56	69.5	2015	No	Runoff/leaching from natural deposits; industrial wastes	
TDS (m/L)	1000		290	390	266	2015	No	Runoff/leaching from natural deposits; industrial wastes	

5. Disinfection Byproduct (DBPs), which includes Trihalomethanes and Haloacetic Acids. They are formed when disinfectant like chlorine is used to control microbial pathogens combine with naturally occurring materials found in source water.

6. Lead and Copper is regulated by ensuring the 90th percentile of sample result is under the AL. Sampling is conducted every 3 years. The most recent samples are from August 2024.

7. Secondary MCLs do not have PHGs or MCLGs because secondary MCLs are set to protect the aesthetics of water and PHGs and MCLGs are based on health concerns.

Additional Information Regarding Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. 412th Bioenvironmental Engineering Flight and 412th Civil Engineering Squadron are responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (800-426-4791) or at <http://www.epa.gov/lead>. Additionally, a service line inventory was conducted in 2024 and there are 11 unknown lead status service lines. Moreover, the identified were determined to be non-lead service lines. A full report on the service line inventory has been attached to this report for reference.

Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and/or flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the U.S. EPA Safe Drinking Water Hotline (1-800-426-4791).

Additional Information Regarding Arsenic

While your drinking water meets federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Additional Information Regarding Fluoride

The AFRL water systems contain naturally occurring fluoride. AFRL does not add additional fluoride to the water system due to State requirements and the scope/size of the EAFB water distribution system. The natural level of fluoride present in the water system is below the maximum contamination limit (MCL) of 2.0 parts per million (ppm).

In 2015, the U.S. Department of Health and Human Services released a Public Health Service recommendation of 0.7 ppm as the optimal fluoride level in drinking water to prevent tooth decay. Your local dentist or pediatrician can prescribe daily fluoride brushing, tablets, or drops for you and your children to ensure you receive enough fluoride.

Tips for Protecting Your Water

- Eliminate excess use of lawn and garden fertilizers and pesticides – they contain hazardous chemicals that can reach your drinking water source.
- Pick up after your pets.
- Dispose of chemicals properly; take used motor oil to a recycling center.

For more information regarding this report, please contact either:

- 412th Operational Medical Readiness Squadron – Bioenvironmental Engineering Flight (661-277-3272)
- 412th Test Wing – Public Affairs (661-277-1454)



Distribution System Water Quality

Protecting Water Quality through Cross-Connection Control and Backflow Prevention

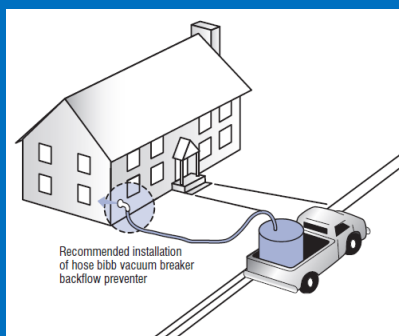


Cross-connections are actual or potential connections between a potable water supply and nonpotable water plumbing. Backflow is the unintended reversal of water flow through a cross-connection, which can result in a potentially serious public health hazard. A cross-connection control and backflow prevention program helps prevent contaminants from entering a drinking water distribution system. This fact sheet is part of EPA's Distribution System Toolbox developed to summarize best management practices that public water systems (PWSs), particularly small systems, can use to maintain distribution system water quality and protect public health.

Examples of Utility Actions

At a western United States (U.S.) PWS serving 2,500 people, a customer created a cross-connection when they connected a surface water irrigation line to the water system without installing an approved backflow prevention assembly. Irrigation water flowed back into the county water system when the pressure in the irrigation line increased. Samples tested positive for *E. coli* and the Department of Water issued a "Do Not Use" notice to customers.

A PWS in the southeastern U.S. serving 500,000 people experienced a cross-connection and backflow incident where aqueous fire-fighting foam was forced into the homes of an estimated 40,000 customers. After review of the incident, the PWS installed a backflow prevention assembly.



Cross-Connection Control, Backflow Prevention, and Water Quality

- Backflow of untreated water through an unprotected cross-connection can lead to serious chemical or microbiological contamination in distribution systems.
- Cross-connections can occur between the PWS distribution system and private irrigation systems, fire sprinkler systems, and other piping systems that receive PWS drinking water.
- When the pressure in a PWS distribution system is lower than in the connected plumbing system, backflow contamination can occur.
- A study published by the Water Research Foundation in 2010, using backflow-detecting water meters, found that 5% of homes registered a backflow incident of 1 gallon or more each year. However, the impact of these residential backflow incidents on distribution system disinfectant residual remains undetermined.
- Cross-connection and backflow prevention programs vary by state and municipality. Additional information may be available from state drinking water programs, building code or plumbing authorities, and health departments.
- Sanitary surveys, conducted at least once every three years for community water systems and once every five years for non-community PWSs, offer opportunities to identify potential cross-connections that put public health at risk.

Indicators of a Cross-Connection and Backflow Incident

- Customer complaints of odor, discoloration of water, or direct physical harm are the primary indicators of a backflow incident.
- Decreases in water pressure can indicate the occurrence of a backflow incident, as well as suggest where the incident may have occurred.
- A short-term reduction in disinfectant residual could indicate a potential backflow incident.
- During periods of reversed flow, water meters might run in reverse.

Example of a double check backflow prevention assembly



Disclaimer: To the extent this document mentions or discusses statutory or regulatory authority, it does so for information purposes only. It does not substitute for those statutes or regulations, and readers should consult the statutes or regulations themselves to learn what they require. The mention of trade names for commercial products does not represent or imply the approval of EPA.

Cross-Connection Control and Backflow Incident Response

- In the case of a backflow incident, reverse the pressure differential that caused the backflow, if possible.
- Identify and eliminate the cross-connection or install a backflow prevention assembly or device that meets local and state requirements.
- Perform a systematic flushing or cleaning of the system while strategically minimizing the risk of drawing contaminants into uncontaminated areas.
- Throughout the incident, continue to sample within and outside of the suspected contamination area to assess the extent of the contamination.
- Maintain compliance with local discharge regulations for disposal of potentially contaminated water.
- After flushing and cleaning, test the drinking water in the affected areas to ensure it meets regulatory standards.

Example Elements of an Effective Cross-Connection Control and Backflow Prevention Program

- **Legal authority:** PWSs may need legal authority to implement and enforce the program, like requiring customers to install and maintain backflow prevention assemblies. Rules may vary from state to state in terms of allowable backflow prevention assemblies for different hazard types, testing frequency, and remedial repair options.
- **Trained personnel:** All backflow prevention staff should be trained and certified in testing backflow prevention assemblies and distribution system operations. Certification requirements may vary from state to state.
- **Recordkeeping:** Recordkeeping should cover testing and repair activities, certification of inspection and repair personnel, and records associated with backflow prevention assemblies in service, including inspection dates and results.
- **Public education:** PWS customers should understand the potential health risks posed by cross-connections and backflow and their responsibilities for testing and repairing backflow prevention assemblies on irrigation systems or other potential cross-connections.

Table 1: Resources and Guidelines for Cross-Connection Control and Backflow Prevention

Resource Title and URL	Relevance to Cross-Connection Control and Backflow Prevention
ASDWA. 2020. Distribution System Survey White Paper. http://www.asdwa.org/	Summarizes survey findings about state cross-connection control programs.
AWWA. 2015. M14 Backflow Prevention and Cross-Connection Control: Recommended Practices. https://www.awwa.org/	Provides an in-depth analysis of causes and prevention of backflow and cross-connections in potable water systems.
University of Southern California Foundation for Cross-Connection Control and Hydraulic Research. 2012. Manual of Cross-Connection Control, Tenth Edition. https://fccchr.usc.edu/ List of Approved Backflow Prevention Assemblies. https://fccchr.usc.edu/list.html	The manual covers all aspects of cross-connection control and backflow prevention. Associated resources available on the FCCCHR website include a list of tested and approved backflow prevention assemblies and field test kits, training videos, and sample forms to be used in a cross-connection control program.
USEPA. 2006. Cross-Connection Control: A Best Practices Guide. http://nepis.epa.gov/	A concise summary of best practices for cross-connection control.
USEPA. 2003. Cross-Connection Control Manual. http://nepis.epa.gov/	Defines, describes, and illustrates typical cross-connections and suggests simple methods and devices by which cross-connections can be eliminated without interfering with the functioning of plumbing or water supply distribution systems.

ATTENTION

EDWARDS AIR FORCE BASE RESIDENTS

*Please Read the Following Backflow Prevention Guidelines
Carefully and Help Us Keep Our Water Safe!*

What is Backflow?

Backflow is when a drop in the incoming water pressure allows a reverse flow from a homeowner's plumbing system back into the public water system. For example, if you have a garden hose submerged to fill a bucket, Jacuzzi, fish tank, etc., and the water system suddenly loses pressure, the flow of water can be reversed, sucking any contaminants in the water backwards into the system.

A Cross-Connection is any physical connection between a possible source of contamination and the public water system. For example, if a homeowner uses a cistern or an old well for outdoor watering, it cannot be connected to pipes that are connected to the public water system. Even with a bypass valve in place, it is prohibited.

Why is Preventing Backflow Important?

Cross connection control is extremely important in public water systems as it is a matter of public health and safety. Many contamination issues in public water systems, including bacteria from sewage, are not due to the water source but are due to cross-connections. Therefore, it is very important that all customers are aware of the dangers and take necessary precautions.

Examples of Cross-Connection and Backflow Scenarios

- Water softener, under-sink reverse osmosis unit, or water filter discharge tubing connected to a drain creates a direct connection to the sewage system.
- A bottled water system such as a water cooler that is connected to the home's plumbing system could contaminate the water system if the bottled water becomes contaminated.
- A toilet in your home installed prior to 1964 that does not have an anti-siphon fill valve to prevent backflow from the tank into the water supply.
- Soapy water or other cleaning compounds could back siphon into your water supply plumbing through a faucet or hose submerged in a bucket, basin, or mop sink.

- An aquarium, dishwasher, or sink that fills from below the normal water level provides a conduit for contaminants to enter the water supply plumbing.
- A hose submerged in a swimming pool creates a pathway for pool water to enter the water supply plumbing.
- Fertilizers/pesticides or animal waste can be drawn into the water supply plumbing from a lawn irrigation system with submerged nozzles.

What Can You Do?

- ✓ Be aware of and eliminate cross-connections and backflow scenarios.
- ✓ Maintain air gaps. Do not submerge hoses or place them where they could become submerged (create a gap of air between supply and container, see attached photographs). The air gap should be a distance of twice the diameter of the outlet pipe.



Figure 1. Air Gap Separation

- ✓ Use hose bib vacuum breakers on fixtures (hose connections in the basement, laundry room and outside) (see attached photograph of a hose bib vacuum breaker).
- ✓ Make sure toilets have anti-siphon ballcock assemblies.
- ✓ Do not create a connection between an auxiliary water system (well, cistern, body of water, puddles) and the water supply plumbing.

Backflow Prevention Examples



Air Gap Example 1



Air Gap Example 2



Hose Bib Vacuum Breaker

Inventory Summary

Enter Date Last Updated: 08/05/24

Purpose of this worksheet: For water systems to provide a summary of their service line inventory, including information on ownership, inventory format, and the number of service lines for each of the four required materials classifications.

Part 1. General Information

1. Is this the Initial Inventory or an Inventory Update ?	<i>Initial Inventory</i>
2. Who owns the service lines in your system? <i>If other, please explain below.</i>	<i>The entire service line is owned by the water system</i>
3. When were lead service lines banned in your system? Reference the state or local ordinance that banned the use of lead in your system. The system is a federal facility and follows the federal Safe Drinking Water Act (SDWA) Lead ban instituted on June 19, 1986 which prohibited use of pipe, solder, or flux in Public Water Systems that is not "lead free". California implemented the lead ban effective January 1986, as outlined in Chapter 300.6 of the CA Health and Safety Code (CA HSC, 1985).	
4. Do you have lead goosenecks, pigtails or connectors in your system?	<i>Don't Know</i>

Part 2. Inventory Format

Describe your inventory format in the space provided below (e.g., the **Detailed Inventory** worksheet, custom spreadsheet, GIS map). Provide the filename and/or web address if applicable.

Detailed Inventory Worksheet in the State-specified template.

Part 3. Inventory Summary Table ¹

If you are using the **Detailed Inventory** worksheet, the classifications you select in the Column "Entire Service Line Material Classification" will be used to calculate the total number of service lines for each of the four material classifications below. Otherwise, enter the number of service lines blue- and aqua colored-cells.

Table 3.1. Inventory Summary by Ownership

Service Line Material Classification	Number of Water System Owned Service Lines	Number of Customer Owned Service Lines
Lead	0	0
Galvanized	146	146
Galvanized Requiring Replacement	0	0
Non-Lead - Copper	12	12
Non-Lead - Plastic	8	8
Non-Lead - Other	32	32
Unknown	11	11
TOTAL	209	209

Table 3.2. Inventory Summary Total

Service Line Material Classification	Definition	Total
Lead	Any portion of the service line is known to be made of lead.	0
Galvanized Requiring Replacement (GRR)	The service line is not made of lead, but a portion is galvanized and the system is unable to demonstrate that the galvanized line was never downstream of a lead service line.	0
Non-Lead	All portions of the service line are known NOT to be lead or GRR through an evidence-based record, method, or technique.	198
Lead Status Unknown	The service line material is not known to be lead, GRR, or non-lead line. For the entire service line or a portion of it (in cases of split ownership), there is no evidence to support material classification.	11
Lead Gooseneck/Fitting	A short section of piping, typically not exceeding two feet, which can be bent and used for connections between rigid service piping.	0
Total Number of Service Lines		209

Notes

This summary table is for reporting material for the entire service line connecting the water main to the customer's plumbing. See the Section 4 of the Inventory Instructions or Exhibit 2-2 of U.S. EPA's Guidance for Developing and Maintaining a Service Line Inventory (US EPA, 2022).

Environment



Supporting the Edwards Air Force Base Mission Through Sound Environmental Stewardship

At Edwards Air Force Base, the mission and the environment go hand-in-hand. The unique physical environment is what makes the desert such an ideal place for flight-test activities. Helping the flight testers maintain access to air, land and water for testing and other operations, while not upsetting the delicate balance of the desert ecosystem, is the mission of the 412th Civil Engineer Group Environmental Management Division (412 CEG/CEV).

HotInfo

CLICK HERE TO READ:

Early Notice and Public Review of a Proposed Activity in a 100-year and a 500-year Floodplain

Edwards Air Force Base, California
Nov. 20, 2024

Integrated Natural Resources Management Plan

▣ Integrated Natural Resources Management Plan 2020-2025

<<< [Download INRMP 32-7064](#) >>>

▣ **Public review: May 1-31, 2025**

Notices

▣ **May 13, 2025**

Public Notice – Edwards uses NASA categorical exclusion for environmental analysis
Edwards AFB is making use of a NASA categorical exclusion to complete an environmental impact analysis for an Air Force Research Laboratory project. The details can be found [HERE](#). This posting will be available on the Edwards website for 30 days. Inquiries can be directed to base’s environmental planning section at: 412TW.CEV.EIAP@us.af.mil.

▣ **Nov. 25, 2024**

Notice of Availability: DRAFT Environmental Assessment and PROPOSED Finding of no Significant Impact (FONSI) for Readiness and Environmental Protection Integration Program

▣ **Nov. 12, 2024**

Required Drinking Water Service Line Notice for AFRL at Edwards AFB

Restoration Advisory Board

- [+ About RAB](#)
- [+ RAB Bylaws and Charter](#)
- [+ RAB Fact Sheet](#)
- [+ RAB Meeting Minutes](#)
- [+ RAB Member Contact List](#)
- [- Next RAB Meeting](#)

Date: Nov. 20, 2025

Time: 5:30 p.m.

Location: North Edwards, California

Note: Meeting location will be publicized after is has been determined.

Water Quality

- [+ Notice: Nov. 12, 2024](#)

Required Drinking Water Service Line Notice for AFRL at Edwards AFB

- [- Water Quality Reports](#)

The Bioenvironmental Engineering Flight is pleased to present the Edwards Air Force Base and Air Force Research Laboratory (AFRL) 2024 Annual Water Quality Reports. We feel it is important our customers know about where our water comes from, what it contains, and how it compares to requirements set by regulatory agencies. This report is a snapshot of last year's water quality.

2024 Annual CCRs: [Main base click here](#) [Main base PWS](#) | [AFRL click here](#) [AFRL PWS](#)

Environment Management

- [- Environmental Commitment Statements](#)

[ECS May 2024 \(click to download\)](#).

[ECS December 2022 \(Click to download\)](#).

- [+ About](#)
- [+ Three main areas of environmental service and support](#)

Contact

Location

Building 3735
120 N. Rosamond Blvd., Suite A
Edwards AFB, CA 93524

Phone

661-277-1401

Social Media

[Facebook](#)

[YouTube](#)

Environmental Public Affairs

412 TW/PA
305 East Popson Avenue
Edwards AFB, CA 93524
661-277-8707
412tw.pae@us.af.mi

Publications

Plans

- [ERP Community Involvement Plan](#) (August 2023)
- [Integrated Natural Resources Management Plan 32-7064](#)

Report to Stakeholders

- [July 2024 Report to Stakeholders](#)
- [April 2024 Report to Stakeholders](#)

Fact Sheets

- [September 2021 MMRP Fact Sheet](#)

Published materials

Published data and documents relating to the Environmental Restoration Program are available for public review.

Edwards AFB Library

5 West Yeager Blvd.
Edwards AFB, CA 93524
661-275-2665

Wanda Kirk Branch Library

3611 Rosamond Blvd.
Rosamond, CA 93560
661-256-3236

Lancaster Public Library

601 West Lancaster Blvd.
Lancaster, CA 93534
661-948-5029

QUICK LINKS



CAREERS



GET SOCIAL WITH US



Official United States Air Force Website



Hosted by Defense Media Activity - WEB.mil

Latest Edition of The Tower, Edwards' Weekly Newsletter: Week of July 2

From Vasquez, Alexis SSgt USAF (USA) <alexis.vasquez4.mil@health.mil>

Date Wed 7/2/2025 2:02 PM

To USAF Edwards AFB 412 MDG List ALL PERSONNEL <usaf.edwards.412-mdg.list.all-personnel@health.mil>



Edwards' Weekly Newsletter | July 2, 2025

[CLICK](#) to see the full edition on your browser



Chief Master Sgt. Justin Stoltzfuz, 412th Test Wing command chief, shares a funny anecdote with Brig. Gen. Doug Wickert, 412th TW commander, during their farewell dinner, June 26. Both Wickert and Stoltzfuz are set to depart the Wing later this summer.
(Photo by Todd Schannuth)

**Gates and VCC closures
associated with
Independence Day (See
"Road and Gate Status"
section)**

**Stay in the know: download AF
Connect app today!
(See "Notices" section)**

**Summer Bash
July 4
(See "Events" section)**

TOP NEWS

**Forging the new test leader:
How TPS is molding the 21st
century Doolittle**

By Maj. Carl Tegtmeier
(Courtesy photo)

[READ MORE](#)



**New Air Force Test Pilot
School satellite operations
center reflects continued
alignment to National Defense
Strategy**

By Andy Freeborn
(Courtesy photo)

[READ MORE](#)



OUR PEOPLE

Wing Inspection

The 412th Test Wing's Wing Staff Agencies conducted a standards and readiness review, June 22. (Photo by Lindsey Iniguez)



MEDIA BUZZ

Podcast Interview: Lockheed Salute to Freedom with Brig. Gen. Doug Wickert

By TehachaPod

[READ MORE](#)



AROUND THE AIR FORCE

**Air Force and Space Force
exceed annual recruiting
goals, demonstrating
America's desire to serve**

By AETC Public Affairs

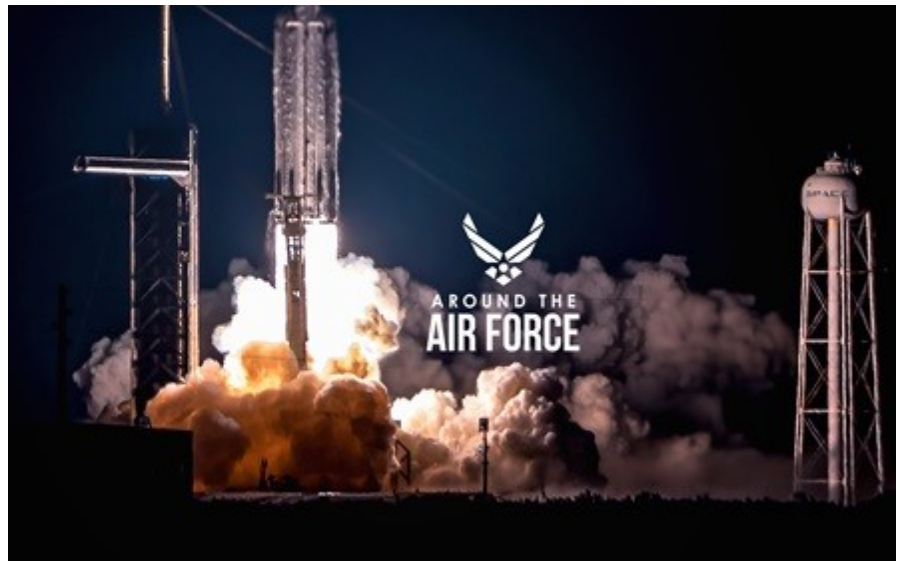
[READ MORE](#)



**Human-machine teaming,
sonic boom research,
survivable communication
networks**

By Senior Airman Spencer
Perkins

[READ MORE](#)

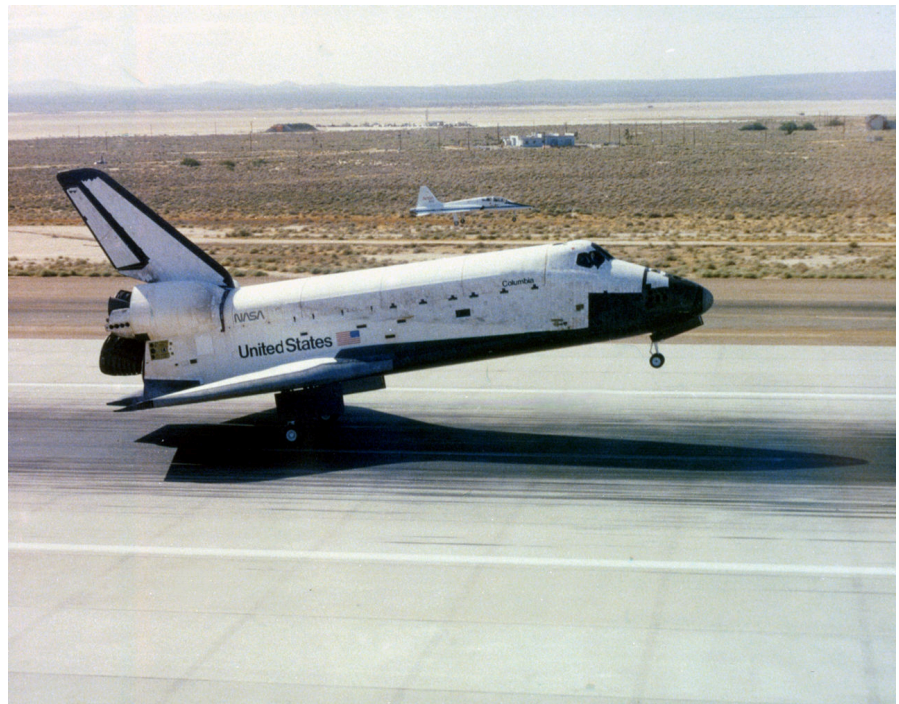


THIS WEEK IN HISTORY

On **July 4, 1982**, the Space Shuttle Orbiter *Columbia* landed on the main runway in front of President Ronald Reagan and some 500,000 visitors and guests.

By JT Tucker (historical photo)

[READ MORE](#)



CHANGES OF COMMAND

412th Maintenance Group

WHO: Col. Phillip Rehmert (inbound) and Col. Ahave Brown (outbound)
WHEN: Wednesday, **July 9** at 9 a.m.
WHERE: Hangar 1600

445th Test Squadron

WHO: Lt. Col. Margaret Ballard (inbound) and Lt. Col. James Petersen (outbound)
WHEN: Friday, **July 11** at 10 a.m.
WHERE: Bldg. 1040, JSE Auditorium

EVENTS

Kids Summer Craft Camp

Stop by every Wednesday for a new project!
All materials are included.

WHEN: Wednesdays, 2-4 p.m.

July 2: Tie Dye - \$15

July 9: Canvas Painting - \$15

July 16: Beaded Friendship Bracelets - \$5

July 23: Stepping Stones - \$20

July 30: String Friendship Bracelets - \$5

August 6: Flower Lanterns - \$10

CONTACT: 275-ARTS

Family Bike Parade

WHEN: Thursday, **July 3**

Check-in 8:30 a.m. | Parade starts at 9 a.m.

WHERE: Parade starts at Chapel 2, goes down Fitzgerald to fire station and back.

SIGNUP and DETAILS:

AFNET devices block Google Docs, so please scan the QR code with your personal device.



If you are using a personal device, click:
https://docs.google.com/forms/d/e/1FAIpQLSdpMxt6h-728gpOf5dXAqiBRbKF9FIA2P35L-GK5VFQI_PYBg/viewform?usp=header

Summer Bash ✨🍷🎵

Join us for an unforgettable celebration packed with live music, food, games, and fireworks! Bring the whole family and soak up the fun.

WHEN: Friday, July 4, 6-10 p.m.

WHERE: Wings Field

CONTACT: 275-CNTR

SUMMER BASH

4th of July

JULY

Live Music
Fireworks
Teen Area
Ferrari Club
Beer Garden

Food Trucks
Pie Eating Contest
Craft Market
Private Orgs

6 - 10 PM
Wings Field

Sponsored by

USAA
Visit Palmdale
Bristol Hospice Lancaster
AV ALTA FC
Air Force Community Center

No federal endorsement intended.

EdwardsFSS.com EdwardsFSS edwards_fss 275-CNTR

Craft Market

WHEN: Friday, July 4

WHAT: Showcase your handmade goods, art and unique creations at this year's Summer Bash

Spots are limited - don't miss your chance to be part of this fun, high-traffic event!

COST: \$100 vendor fee

DEADLINE: Sign up by May 21

CONTACT: 661-275-2687 or shauna.prado@us.af.mil

Three-Day Blood Drive

WHO: Anyone in good health should donate now to give their blood type to someone who needs it.

INCENTIVE: \$15 gift card (email) plus chance to win \$5K prize. Donors also learn if they have special blood for newborn babies or sickle cell patients
WHEN: Tuesday-Thursday, **July 8-10**, 1-3, 9 a.m. - 3 p.m.
WHERE: Oasis Center, 205 W. Popson Ave. Bldg. 2500
SIGN UP: [CLICK HERE](#) or call 800-REDCROSS (sponsor code: oasis)
CONTACT: Bob Woodall, Red Cross 661-477-9138

Cash Bingo

WHAT: Get in on the action with \$750+ in payouts every Tuesday! Will you be the next big winner? Don't miss your chance to win BIG – join us every Tuesday for Cash Bingo!
\$50 Hotball | Progressive jackpot starts at \$300
WHEN: Every Tuesday | Doors open at 5:30 p.m. | Games start at 6 p.m.
UPCOMING: Tuesday, **July 8**
WHERE: Club Muroc
COST: \$5 entry (FREE for FSS Insiders) | Game card prices vary
CONTACT: 275-CLUB

Rockwall

WHEN: Wednesdays, 4-6 p.m.
UPCOMING: **July 9**
COST: \$10 per person | Open to all ages
WHAT: Climb into the fun every Wednesday with our weekly Rockwall program!
Harnesses and shoes are available, but supplies are limited. Don't miss out – join us for the climb every week!
CONTACT: 275-CAMP

Oasis Game Nights

WHAT: Airmen, game on! Join us for rotating game nights packed with card games, board games, video games, and strategic challenges – something for every kind of player. Plus, kick back and enjoy a movie while you're here, and stay tuned – PS5 and Xbox One gaming are coming soon!
WHERE: Oasis Community Center
WHEN: Wednesdays, 5-7 p.m.
Card Games: **July 9**, Aug. 6, Sept. 3
Classic Board Games: July 16, Aug. 13, Sept. 10
Switch Games: July 23, Aug. 20, Sept. 17
Strategic Games: July 30, Aug. 27, Sept. 24
CONTACT: 275-CNTR

Understanding Body Composition

WHERE: Virtual (MS Teams)
WHEN: Thursday, **July 10**, 12-1 p.m.
WHAT: Join Civilian Health Promotion Services in July to learn more about how proper hydration can impact your health. Join virtual classes via MS Teams; Meeting ID: 993-558-041-89; Passcode Bx7c7D
WHO: Everyone on Edwards.
CONTACT: Rosalind Ross: 661-277-3667, Rosalind.ross.ctr@us.af.mil

Aerospace Summer Games

WHAT: Sign up to represent Team Edwards at the Aerospace Summer Games in compete in volleyball, soccer, frisbee, dodgeball, basketball, pickleball and more.

WHEN: Wednesday, **July 12**, 8 a.m. – 3:30 p.m.

WHERE: El Camino College

WHO: Open to all Edwards and Plant 42 employees and contractors.

CONTACT: Email Sandra Peters at Sandra.peters.2@us.af.mil or Ivan Chavez at ivan.s.chavez@nasa.gov

SIGN-UP: <https://forms.osi.apps.mil/r/XqVkvnaBMr> }



BEYOND THE BASE

Lancaster

AV Alta soccer club is offering discounted tickets to those holding a dot-mil address.

AV ALTA FC is proud to recognize and celebrate the dedication of those who serve our country. As a heartfelt thank you, we're offering all active personnel, veterans, and civilian staff from Edwards Air Force Base an exclusive 15% discount on single-match tickets for every home game during our 2025 Inaugural Season at the newly renovated Lancaster Municipal Stadium. This is your chance to be part of history as professional soccer arrives in the Antelope Valley. Come experience the energy, excitement, and pride of matchday with your family, friends, and fellow servicemembers. Don't miss out—claim your discounted tickets today and secure your seats for this unforgettable first season!

LINK: <https://pa.exchange/marketplace/4eaa2e98-fed7-11ef-aaf3-b116e41872d0/storefront/4eaa3014-fed7-11ef-ad88-cd1e49fcc27e>

Palmdale

Generations: Juried Art Exhibit Artist Application 2025

Are you seeking a new way to get involved with the artistic community in Palmdale and express your creativity in a competitive manner? The City of Palmdale is looking for artists to participate in the 11th Annual Generations Juried Art Exhibit! Get ready to dive into a world of color, creativity and community spirit as we celebrate art in all its forms. Deadline to submit is August 1, 2025. [READ MORE](#)

Tehachapi

Tehachapi Mud Run

WHEN: Saturday, Sept. 13

WHERE: Tehachapi's Nature Park, 22630 Woodford - Tehachapi Rd.

ROAD AND GATE STATUS

South gate and VCC closures associated with Independence Day

► South Gate

In conjunction with Independence Day, South Gate will be:

- closed Friday-Sunday, July 4-6 all day
- open on Monday, July 7, 6-9 a.m. and 3:30-5:30 p.m.
- open Tuesday, July 8 at 5 a.m.

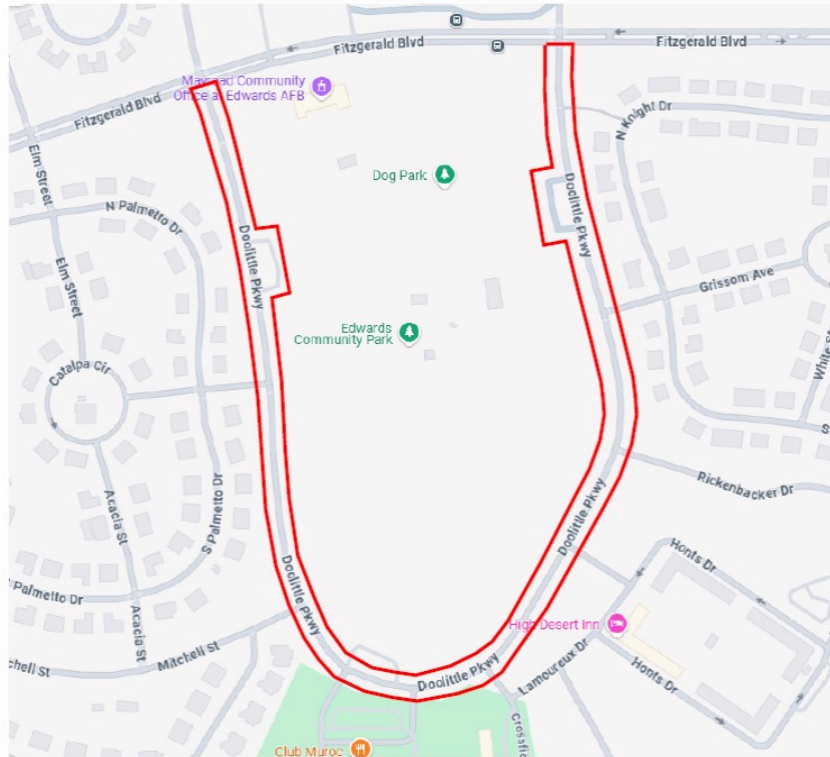
West and North gates will remain open for the duration of the South gate closure.

► Visitor Control Center

VCC will be closed Friday-Monday, July 4-7, and it will reopen on Tuesday, July 8.

Doolittle Parkway Repair Project

A road work repair of Doolittle Parkway will start on Monday, June 2 and is estimated to end on Sept. 30. The project includes crack sealing and repairs, slurry seal operations and striping operations. The roadway in that area will remain open during the work and will occur during non-peak traffic times. However, there will be lane closures during the duration of the project. A traffic control plan will be in place with cones, reduced speed and construction flagmen, so please use caution when driving through this area. If you have any further questions or concerns, please contact Nancy Hanna, Project Manager, at 661-810-7609.



NOTICES

✂ Stay in the know: download AF Connect app today!

Edwards AFB app is no longer active. Edwards AFB is utilizing the standard app across the Air Force, called AF Connect. After downloading AF Connect to your mobile, users can add 412th Test Wing as a favorite.



Android users: [download from the Google Play Store](#)



iPhone users: [download from the Apple App Store](#)

✂ Water Exploration Splash Days

Tuesdays, July 8 and 22 | 9-10 a.m. | Sonic Splash Pool

Join us for water fun and exploration designated just for EFMP enrolled families and those currently receiving EFMP services. The splash day will feature exploration of all levels from water introduction to gross motor swim play. Spots are limited to 25 people per session. Call 661-277-0723 to reserve your splash day spot with Mrs. Stacey today.

Consumer confidence reports for water equity at Edwards

The latest consumer confidence reports for water quality at Edwards AFB are now available on the base website. The base has two separate water systems, one for main base and one for the Air Force Research Laboratory. The reports outline the sources of the water systems, what the water contains and how it compares to requirements set by regulatory agencies. Links to the reports: [Main base](#); and [AFRL](#).

Large-scale events require notification to the Antiterrorism Office

Any event off the installation involving 50 or more DoD personnel, or 300 or more DoD personnel on the installation, are required to notify the Antiterrorism Office NLT 30 days prior to an event. 412 TW/ATO can be reached at 412tw.ato@us.af.mil or 661-277-4009/4004.

High Desert Lanes: Breakfast + Daily Lunch Specials

► Starting in July, Strike Zone at High Desert Lanes is rolling out an all-new breakfast menu, and it's a total strike! From all-star breakfast to chicken and waffles, your morning just got a serious upgrade.

► Breakfast: weekdays, 6-10 a.m.

Kickstart your day with a hearty breakfast bowl, Loco Moco, croissant breakfast sandwich, or breakfast pizza - the perfect way to fuel up! For more information, call 275-BOWL.

► Lunch specials: weekdays, 10:30 a.m. – 2 p.m.

Monday – Cobb Salad with drink: \$16.50

Tuesday – Tempura Chicken with fries and drink: \$12.00

Wednesday – Chicken, Shrimp, and Sausage Gumbo with drink: \$10.95

Thursday – Build-a-Burger with fries and drink: \$12.50

Friday – Tuna Melt with fries and drink: \$12.00

Retirement planning

It's never too early to prepare for retirement! Retirement planning is not a one-time event, but a career-long strategy of financial literacy and mindfulness. It is recommended you begin planning at least five years before your projected retirement date.

The myFSS Civilian Benefits and Retirement homepage offers several knowledge articles to assist you with planning and applying for retirement. The articles explain your benefits, requirements to continue benefits into retirement, retirement eligibility and much more. The homepage is located at: <https://myfss.us.af.mil/USAFCommunity/s/knowledge-detail?pid=kA0t0000000wkzfCAA>

In addition to the myFSS knowledge articles, the Government Retirement Benefits (GRB) Platform offers a 'Resource Library' of videos and information regarding retirement and benefits. Additionally, employees who have "pure" service may obtain an annuity estimate using the 'Retirement Calculator'. "Pure service" is service fully creditable for retirement purposes, i.e., no breaks in service and all service is covered by the Federal Employees Retirement System (FERS). The GRB Platform is located at: <https://grbplatform.us.af.mil>

The Benefits & Entitlements Service Team (BEST) also offers regularly scheduled Benefits 101 and FERS Retirement briefings to provide additional information and answer general questions for participants.

If you are retiring within the next 6 months, and have not already done so, we recommend you review the “Applying for Civilian Retirement” knowledge article in myFSS. Reviewing this article will assist you with ensuring you are completing all appropriate steps prior to submitting your retirement application.

BEST utilizes myFSS for all communication. As such, we recommend you update your myFSS profile to include your personal email address and review your email, including junk/spam, for any benefits or retirement related correspondence.

Restoration Advisory Board Vacancies

Edwards Air Force Base officials are seeking volunteers to represent the Boron, North Base and North Edwards communities on the Restoration Advisory Board. The RAB facilitates two-way communication between the public and those responsible for environmental cleanup at Edwards AFB. Representatives are not expected to be environmental experts.

Responsibilities

A RAB public representative acts as a conduit for environmental cleanup information with members of the public. Responsibilities include distributing a quarterly newsletter and meeting flyers in addition to attending semiannual meetings. Applicants should be accessible to people within their respective area and willing to publicize contact information. Community concerns or questions can be addressed by the representative or referred to members of the Air Force Civil Engineer Center’s Installation Support Section at Edwards AFB.

Requirements

Individuals interested in serving on the RAB must be at least 18 years of age and work or live in the area they seek to represent. Terms of service are two years in length. Military members, civil service and contract employees are welcome to apply.

Applications

Applications are available by contacting Gary Hatch, 412th Test Wing Public Affairs, at (661) 277-8707 or by e-mailing 412tw.rab@us.af.mil.

Applications will be accepted until the positions are filled.

For additional information, contact Gary Hatch or Belinda Martinez (Cherokee Federal) by e-mailing 412tw.rab@us.af.mil.

Joint Collaboration and Exchange Program

The 412th Communications Squadron has implemented the Joint Collaboration and Exchange Program across Team Edwards. This initiative aims to bolster capabilities and unity amongst all Total Force and Sister Service members to enhance operational knowledge and share best practices. The JCEP is a 5-day opportunity for mutual collaboration with personnel from different units and service components. We work alongside each other, learning every aspect of our daily processes, and enable members to experience opportunities for growth and development within each other’s units.

The JCEP is a unique opportunity for mutual collaboration, in which personnel from different units and service components work alongside each other for a 5-day period. This program is designed to promote skill development, foster innovation, and expand professional networks by facilitating the exchange of all Total Force members and Sister-Service personnel between units.

How the JCEP Program works:

Kick-off date: Tuesday, Oct. 7

Duration: Monday – Friday, 8 a.m. - 4 p.m.

Occurrence: One week out of each month

Planning: Units collaborate to schedule and plan a matrixed exchange, ensuring a seamless transition and accommodation of personnel from both units involved.

Exchange: Participants partake in the arranged sponsorship, integrating and contributing to the host unit

while absorbing new skills and perspectives and sharing best practices.

Feedback & Review: After the interchange, both the members and the hosting units will provide feedback. This feedback is crucial in fine-tuning the program and enhancing future endeavors. Your input is not just welcomed but integral to the success of the JCEP.

Way Ahead: To get involved in this program and for more information, please contact:

- Staff Sgt. Dominick E. Gordon Email: dominick.gordon@us.af.mil COMM: 661-277-3988 DSN: 312-277-3988
- Brittanie Ngo Email: khanh.ngo@us.af.mil COMM: 661-275-3077 DSN: 312-275-3077

Thank you, and we look forward to your participation!

New Online Retirement Application for Non-Disability Retirements

On May 7, the Office of Personnel Management released a memorandum titled "Implementing the President's Department of Government Efficiency Initiative for a Modernized, Efficient, and Expedient Retirement Process." This government-wide initiative introduced important changes regarding how retirement applications are submitted to OPM. Effective July 1, all new retirement applications must be submitted electronically using OPM's new Online Retirement Application system. ORA enables federal agencies and payroll providers to collaborate with prospective federal retirees in the assembly and submission of a retirement application packet.

****If you have already submitted or submit your retirement application prior to July 1 no action is required of you, and you do not need to contact the Benefits and Entitlements Service Team (BEST).****

If you have already submitted your Retirement Request for Personnel Action but have not submitted your retirement application prior to July 1, additional instructions will be sent to you, you do not need to contact BEST at this time.

For future retirement planning, employees should continue contacting their supervisor to ensure the retirement RPA is submitted to BEST no sooner than 6 months prior to your retirement effective date.

Once BEST receives your RPA, a BEST counselor will create your ORA retirement account using your personal email address only, official duty email addresses cannot be used. Once your ORA account is created, you will receive an email providing you a link to your ORA dashboard; where you will complete your retirement application, upload your supporting documentation, and submit your package. Please monitor your junk/spam folder for this notification.

To ensure BEST has your personal email address, you are encouraged to update your profile in myFSS. To do so, log into myFSS (www.myfss.us.af.mil), select the Profile icon in the upper right-hand corner of the myFSS landing page, and select Profile, then select Update Personal Preferences. There you will add your personal email address and select Next, then Finish.

Now available: on-base housing to unaccompanied active duty members

Mayroad, the on-base housing office, is pleased to announce the availability of housing to unaccompanied active-duty members assigned to Edwards AFB. Interested applicants are encouraged to contact the Mayroad office at 661-385-6060 or edwards.leasing@themayroad.com. Alternatively, interest applicants can also stop by to see Mayroad in person at the Mojave Sky Community Center located at 1365 Fitz-Gerald Blvd.

AFMC Pass & Liberal Leave Day Policy for Calendar Year 2025

To ensure alignment with Department of the Air Force guidance and in recognition of AFMC's exceptional service to the nation in inventing, developing, testing, delivering, sustaining, and supporting war-winning capabilities and installations, General Richardson has designated the following dates as AFMC Pass & Liberal Leave Days:

- Memorial Day (Friday, 23 May 25)
- Independence Day (Monday, 7 Jul 25)
- Thanksgiving Day (Friday, 28 Nov 25)
- Christmas Day (Friday, 26 Dec 25)
- New Years Day (Friday, 2 Jan 26)

These designated Pass & Liberal leave days do not imply entitlement to time-off. Unit commanders and directors will observe, adjust, or not observe these dates based on mission demands, achievement of unit goals, and overall unit performance. When observed, these Pass & Liberal leave days are special passes for military members IAW DAFI 36-3003. For civilian employees, commanders and directors should support liberal approval of annual leave, earned compensatory time, or approved time-off awards. Group time-off awards for civilian employees solely to create a day off remain prohibited. Contractor employees will adhere to their respective contract requirements and employer policies.

I will be conducting installation-level assessments of achieving our objectives and modify the Pass & Liberal Leave Days accordingly. Unit commanders and directors have the authority and are encouraged to do the same.

I am proud of the 412 Test Wing's role in the test and evaluation mission and am honored to serve alongside all of you. Thank you for your continuous dedication and hard work for the Edwards Team--it does not go unnoticed.

Help us improve Bingo!

LINK: <https://www.surveymonkey.com/r/bingo2025>

We want your input to make family bingo nights even more fun!

Tell us what prizes you'd love, your favorite themes and game styles, and when you'd like to play.

Quick survey, big impact – your feedback helps shape future events!

For more information, call 275-CNTR.

Airman's Attic CLOSED for the summer

The Airman's Attic will be closed for the summer.

Rosburg Fitness Center's new operating hours

Effective immediately until further notice, Rosburg Fitness Center's operating hours will be as follows:

Monday - Friday: 5 a.m. - 10 p.m.

Saturday - Sunday: closed

Note: 24-hour access is available daily.

Food truck schedule: June

MONDAYS (June 2, 9, 16, 23 and 30)

Crudos Surf and Turf | 10 a.m. - 2 p.m. | Exchange parking lot

Barrios Red Tacos | 10 a.m. - 2:30 p.m. | Express

TUESDAYS (June 3, 10, 17 and 24)

Barrios Red Tacos | 10 a.m. - 2:30 p.m. | Train Station

Hi Thai Food and Boba | 10 a.m. - 3 p.m. | Exchange parking lot

WEDNESDAYS (June 4, 11, 18 and 25)

Suger Rush | 10 a.m. - 2 p.m. | Train Station

Tony B's Cheesesteaks | 10 a.m. - 2:30 p.m. | Express

Big Flame Hibachi | 10 a.m. - 3 p.m. | Exchange parking lot

THURSDAYS (June 5, 12 and 26)

Cocina Santa Cruz | 6-10 a.m. | Express

Crudos Surf and Turf | 10 a.m. - 2 p.m. | Exchange parking lot

Hi Thai Food and Boba | 10:30 a.m. - 1:30 p.m. | South Base

FRIDAYS (June 6, 13 and 27)

Cocina Santa Cruz | 6-10 a.m. | Express

Tony B's Cheesesteaks | 10 a.m. - 2 p.m. | Train Station

Hi Thai Food and Boba | 10 a.m. - 3 p.m. | Exchange parking lot

FIRE PREVENTION tips, recommendations and notices

In case of an emergency, dial 911 from base phone or 661-277-4540 from cell phone. Questions? Contact the Fire Prevention Team at 661-277-3124.

----- Wildfire risk reduction

Every year, wildfires burn across the U.S., and more and more people are living where wildfires are a real risk. But by working together, residents can make their own property — and their neighborhood — much safer from wildfire. [CLICK](#) to learn about action items to improve homes' survivability, landscaping tips and a word search activity for children.

Do you play piano or guitar?

Share your talent at the Oasis Community Center! We're looking for instructors to lead individual or group classes. Interested? Call us at 661-275-8747 or email shauna.prado@us.af.mil

Privacy Tips: Stay Safe on Vacation and Travel

To help protect your online information while traveling, please adhere to these recommended safety practices.

No matter how you get to your destination or where you choose to stay, you will be connected when you're on vacation. Many travelers rely on technology even more to enhance their experience. As you embark upon your next adventure, stay cyber safe while away from home by following some simple practices to help keep your devices safe and your vacation plans from going awry.

- ▶ Set the privacy and security settings on web services and apps. It is okay to limit how and with whom you share information (like location tracking) – especially when you are away.
- ▶ Location tools come in handy while planning navigating a new place, but they can also expose your location ? even through photos. Turn off location services when not in use.
- ▶ Do not transmit personal info or make purchases on unsecure or public Wi-Fi networks. Instead, use a virtual private network (VPN) or your phone as a personal hotspot to surf more securely
- ▶ Think twice before posting pictures that indicate you are away. Wait until you get home to share your magical memories.
- ▶ Avoid public computers in hotel lobbies and internet cafes. If you must use a public computer, keep activities as generic and anonymous as possible. Don't log into accounts or access sensitive information. If you do log into accounts, such as email, always click "logout" when you are finished. Simply clicking the "x" on your browser does not log you out of accounts.

Please contact the Edwards AFB Privacy/FOIA Office at 7-3015 or s533c5@us.af.mil with any questions.

Situational awareness/vigilance

While there are no specific or credible threats, we must remain situationally aware/vigilant to deter and detect potential threats should they emerge. With ongoing protests and associated incidents in the Los Angeles area, personnel in public areas could become collateral damage during a vandalism or some other event.

We want base personnel to take the following actions:

- Ÿ Be aware of your immediate surroundings and remain alert on base (includes in and around work centers) and off base.
- Ÿ Report any suspicious activity to Security Forces 661-277-3340 on base or to local law enforcement off base.
- Ÿ Remain situationally aware of any demonstrations in your immediate area.
- Ÿ Watch local news/check online news alerts prior to traveling to/through the Los Angeles area.

- ÿ Avoid any potential protest sites.
- ÿ Do not engage with protestors or make any public statements.
- ÿ Phrase “See Something, Say Something” is a reminder to all DoD members and their families must recognize for its significance and value to thwarting potential threats.
- ÿ Refer to Chairman Joint Chiefs of Staff Pocket Card 5260 for additional Antiterrorism Individual Protective Measures. This can be obtained from the respective unit Antiterrorism Representative.

Questions can be directed to the Installation Antiterrorism Office at 661-277

Child Care Needs Survey

We want to hear from you!

Help us understand what childcare options the Edwards community needs. Your feedback helps shape future support programs for military and DoD families.

Take the survey today! www.surveymonkey.com/r/EAFBChildcare

Kids Bowl Free

WHERE: High Desert Lanes

WHEN: All summer long (begins May 27)

WHAT: Strike up some summer fun! Kids who sign up get two FREE games of bowling per day all summer long! Just register on the Kids Bowl Free website or app to get rolling. (Shoe rental not included.) Parents, you can join the fun too for a discounted rate – check out KidsBowlFree.com for all the details!

CONTACT: 275-BOWL

Public Notice – Edwards uses NASA categorical exclusion for environmental analysis

Edwards AFB is making use of a NASA categorical exclusion to complete an environmental impact analysis for an Air Force Research Laboratory project. The details can be found [HERE](#). This posting will be available on the Edwards website for 30 days. Inquiries can be directed to base’s environmental planning section at: 412TW.CEV.EIAP@us.af.mil.

Keep an eye out for desert tortoises

The Desert Tortoise is one of the many animals found on Edwards AFB. Listed as threatened under the Federal Endangered Species Act of 1973, Desert Tortoises are protected from unwarranted harassment or injury. The 412th Civil Engineer Group’s Environmental Management Division wants to remind base residents to be on the lookout for Desert Tortoises, especially near or crossing roadways.

Desert Tortoises are the most active between March and May and again between September and October, but can emerge any time throughout the year, especially during and after rainfall. Tortoise signs have been placed in various locations throughout the installation over the years due to reoccurring Desert Tortoise sightings along roads, near buildings, and under parked cars where Desert Tortoises seek shelter from the elements. People working or living on Edwards AFB are encouraged to check under and around vehicles prior to moving their vehicles, especially if parked near open desert.



If a Desert Tortoise is seen and not in immediate danger, people are advised not to touch the animal and monitor the animal until it reaches safety. The Environmental Management Division should be contacted immediately if a tortoise is seen, whether in danger or not. Only authorized and trained people are allowed to touch a Desert Tortoise in non-emergency situations. Unauthorized handling could result in a \$50,000 fine and jail time.

If a motorist encounters a Desert Tortoise in immediate danger on or near the road, they can pick up the Desert Tortoise and move it off the road, according to the Environmental Management Division. Slowly approach the Desert Tortoise from its front, pick it up by its sides, keep it level, and place the tortoise pointed in the same direction it was heading at least 100 feet off the road in a shady place. After moving a Desert Tortoise, call the Environmental Management Division so a trained biologist can make sure the animal is okay.

Anyone who encounters a Desert Tortoise in distress should call the Environmental Management Division at 661-277-1401.

Interested in Fostering a Captive Desert Tortoise?

Edwards AFB has an active Desert Tortoise fostering program for families living on Edwards AFB and the Environmental Management Division is looking for families to add to the waiting list as the PCS season is upon us. Fostering a Desert Tortoise provides the unique opportunity to observe this threatened species up close and contributes to its continued existence. Captive tortoises play an important role in the survival of a threatened or endangered species. They serve as ambassadors, spreading awareness and aid in education/training programs.

Desert Tortoises are easy unique pets for your stay on Edwards AFB. Requirements for adopting a Desert Tortoise are:

- Living in base housing for a minimum of one year.
- Fenced in backyard.
- Ability to construct a burrow in the backyard.
- Having the tortoise checked by the base vet "free of charge" once a year, in the spring.

If you are interested in participating in this unique program, please contact the Environmental Management Division to sign up and get more information by e-mailing them at 412ceg.ceva.naturalresources@us.af.mil, or call 661-277-1401, ext. 3.

Real ID compliance

Edwards AFB Visitor Control Center would like to remind all personnel the changes in Installation Access requirements. The safety and security of the base remains our top priority and adherence to these

requirements listed below will ensure safe and efficient access to Edwards AFB. Military personnel, civilian employees, contractor's dependents, and base residents are not impacted by this change. These groups may continue to use their Common Access Card or Uniformed Services identification Card for base access.

Starting May 7, members without a Common Access Card or Uniform Services Identification Card need a Real ID-compliant driver's license or identification card to gain base access. Real ID-compliant licenses and identification cards are easily recognizable by a star in the upper corner of the card.

The Real ID Act was passed by congress in 2005 to enhance national security. The goal is to make it difficult to produce counterfeit IDs and it creates a verification standard across all states.

IDs that contain the markings: "Not Valid for Federal Purposes," "Not for Use as Federal Identification," "Federal Limits May Apply," or any other similar phrase are no longer an acceptable credential and must be utilized in conjunction with a federally accepted credential.

Retired Civilians who do not possess a real ID can bring a copy of their SF50 along with their nonfederal issued ID, original birth certificate with raised seal and social security card. They will be issued a DBIDs card for a period of 1 year (365 days).

Visitors who do not possess a driver's license or identification card compliant with the REAL ID Act need to present two valid forms of identification to gain access to base. Accepted forms are listed below:

1. United States Passport or United States Passport Card.
2. US Birth Certificate of Naturalization or Certificate of Citizenship (Form-550).
3. Enhanced driver's license issued by a State, territory, possession, or the District of Columbia.
4. Any other U.S. Federal, State, territory, possession, or District of Columbia Government-issued credential bearing a photograph, including credentials from other paragraphs in this section that are deemed acceptable by the DoD Component head and consistent with applicable laws. (ex. Global Entry, NEXUS, SENTRI, FAST, TWIC, Tribal Card, VHIC, PIVs).
5. Identification Card Issued by Federal, State, or Local Government Agencies Provided It Contains a Photograph and Biographic Information such as Name, Date of Birth, Gender, Height, Eye Color, And Address.
6. Any other government-issued credential bearing a photograph and deemed acceptable by the DoD Component.
7. Non-CAC LRC issued by the local installation or region.
8. Permanent Resident Card/Alien Registration Receipt Card (Form I-551).
9. Foreign passport with a temporary (I-551) stamp or temporary (I-551) printed notation on a machine-readable immigrant visa.
10. Foreign passport bearing an unexpired immigrant or non-immigrant visa or entry stamp.
11. Foreign Government Issued Passport with Current Arrival-Departure Records (INS Form 94) Bearing Names as the same name as the passport and containing an endorsement of an Alien's nonimmigrant status, it that Status authorizes the Alien to work for the employer.

For more information regarding the Real ID Act please visit: (<https://www.dhs.gov/real-id/about-real-id>)

For more information on Real ID requirement please visit (<https://www.dhs.gov/real-id>)

For more information on how to obtain your Real ID in California please visit: ([California DMV](#))

The safety and security of the base, personnel and resources remains our top priority. Adherence to these

requirements ensures safe and efficient access to Edwards AFB.

The Edwards AFB Visitor Control Center is available at 661-275-9771 to assist with any questions or concerns.

Quality of Life Survey

Help us improve your community! Share your honest thoughts in our *Quality of Life* Survey. Your feedback matters.

LINK: <https://www.surveymonkey.com/r/F2GWX8M>

Federal Employees Retirement System & Benefits 101 Briefing

Understanding your personal benefits and retirement is a critical part of your civilian employment. To assist you in making informed decisions, the Benefits and Entitlements Service Team (BEST) is conducting reoccurring, alternating Benefits 101 and Federal Employees Retirement System (FERS) Retirement briefings. These are intended to educate employees on civilian employment related benefits and prepare employees for retirement.

The briefings will last approximately 1 hour and 30 minutes to 2 hours; they will include a presentation of material and an opportunity to ask general questions. More information regarding participation and the link to join the briefings are located on myFSS in the Benefits 101 & Federal Employees Retirement System Briefing article at <https://myfss.us.af.mil/USAFCommunity/s/knowledge-detail?pid=kA08300000000tSCAQ>

In addition to these briefings employees may also view the videos located on the Government Retirement Benefits (GRB) Platform at <https://grbplatform.us.af.mil/> in the Resource Library or under the separate tiles for each topic. You may also review all of the related knowledge articles in myFSS on the Civilian Benefits and Retirement Homepage at <https://myfss.us.af.mil/USAFCommunity/s/knowledge-detail?pid=kA0t0000000wkzfCAA>. They provide valuable information, which will be reinforced during the briefing and can help prepare you to ask additional questions you may have.

WHAT: FERS Retirement

WHEN: Tuesday, August 19, 7-9 a.m.

WHAT: FERS Retirement

WHEN: Thursday, October 16, 11 a.m. - 1 p.m.

Professional Development Courses — Register now!

► SNCO Foundations Course 700

WHEN: July 21-25

WHERE: Bldg. 2460 room A

The SNCO Foundations Course 700 provides students with the foundational skills and knowledge needed to develop, advise, and lead teams successfully. The course facilitates technical expertise for transitioning from first-line supervisors and trainers to leaders of teams. The SNCOFC700 assists students in engaging in strategic leadership at the 9-skill level, offering a rich arsenal of influence tactics for changing people's viewpoints and behaviors. It assists students in learning how to build and maintain social relationships to maximize their informal power and influence in an organization. The course goes beyond managing into a proactive stance that will take the organization forward.

PRIORITIES: (1) Master Sgts. who have not attended SNCOA. If seats are limited, use TIG, TIS and promotion sequence to number to determine scheduling priorities. *Senior Master Sgts do not need to attend.* (2) Master Sgts. with the most TIG and a pending assignment or deployment. (3) Master Sgt. Selects and/or MSgts with less than 7 months TIG. In addition, all eligible Air Force and Department of Defense civilians, sister service equivalent ranks, and approved international students.

VANPOOLS

[Click here to check available vanpools.](#) Transit Benefits System vouchers available.

VOLUNTARY LEAVE TRANSFER PROGRAM

An employee may donate annual leave directly to another employee who has a personal or family medical emergency and who has exhausted his/her available paid leave.

[READ MORE](#)

CONTENT SUBMISSION



Click to submit content via email

The Tower is the wing commander's primary base communication tool for policy, news and events. Reviewing the weekly newsletter is an expectation for all wing members. Submissions are edited by Public Affairs to meet commander's intent, command policy and Air Force standards, to include adherence to journalistic standards the Associated Press Stylebook.



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List of Public Locations of CCR Distribution

Most locations either posted the physical copy on a public bulletin or provided link access via display screens in public places.

- Joshua Tree Dining Facility
 - Medical Clinic
- Consolidated Support Facility
 - Dental Clinic
 - Base Library
- Flight Medicine Annex
 - Fitness Center
- Oasis Community Center
 - AFRL Dining Facility