

Dugway Community Town Hall

Tuesday, 15 November

Dugway School Auditorium & Facebook Live



Agenda

- ✓ Intro: New Community Members
- √ CFC Campaign
- √ Housing Project Updates
- √ Safety
- ✓ EEO
- ✓ Commissary/AAFES
- √ Chapel/Services
- √ FMWR Community Programs & Services
- √ Holiday Hours
- ✓ ICE Feedback
- √ Garrison Manager
- √ CSM Rawls
- √ COL Hoffman
- √ Community Open Discussion
- √ Closing Comments
- ✓ Army Environmental Command





Please Welcome Dugway's Newest Resident!

Aamir O'Neal McDonald

Born: 9 Nov 2022, 0407 hours Place of Birth: English Village Housing





Combined Federal Campaign



Mountain States Campaign Unit Code: YKM5WE





JOIN US!

Who
Changemakers:
All federal employees and retirees

What 2022 Combined Federal Campaign

When Sept. 1, 2022 - Jan. 14, 2023

Why
Change the world together





DONATE TODAY AT GIVECFC.ORG

HOSTED BY THE U.S. OFFICE OF PERSONNEL MANAGEMENT







DPW – Housing Projects

- Fencing Project: Complete
- Pinyon Drive Project: Curb and gutter, sidewalk, and driveways complete
- Project Awarded: Replace sidewalk, curb and gutter, and some driveways throughout the housing areas
- **Mountain View HVAC Project:** The housing office is working with residents to schedule housing units for work to be completed.





Safety

Holiday Season Safety

- Check holiday light cords to make sure they aren't frayed or broken. Don't string too
 many strands of lights together. No more than three per extension cord. Turn them off
 when leaving the house or going to bed.
- Ensure artificial trees are fire resistant with label.
- If getting a live tree, make sure its fresh and water it daily.
- Ensure decorations are fire safe.
- When decorating outside, make sure decorations are for outdoor use and fasten lights securely to you home or trees to avoid electrocution or fire hazards.
- When using a ladder, be extra careful. Wear shoes that allow for good traction.
- Keep children, pets and decorations away from candles.
- Remember to practice safe distance guidelines with large gatherings.
- Be responsible to you, your family, and friends. Check on neighbors that may need assistance during the holiday season.

Happy Holidays!





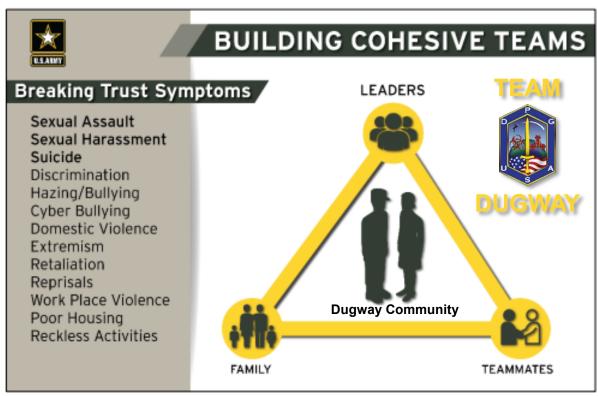
Harmful Behaviors

Army culture is grounded in our values of

Loyalty
Duty
Respect
Selfless Service
Honor
Integrity
Personal Courage

None of use can just be <u>bystanders</u>, we all have an obligation to <u>intervene</u>.

We all need to take steps to prevent and protect our family and coworkers from Harmful Behavior



If permitted to persist, these behaviors can break trust within our team and community

Dignity, Respect, & Empathy





Please Welcome:



Hello my name is

Laurel H. Dunn









DeCA



Phone Number: (435) 831-4773

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Use the **Digital Garrison App**







Religious Support Office

We are here to serve you and your family!!

Christmas Services

Thursday
15 December

Sunday 18 December

Worship Service

Protestant Sundays @ 1300

Catholic Mass Wednesdays @ 1800

Contacts:

CH (MAJ) Brian Kimble SGT Charles King

DSN: 435-831-2431 Cell: 229-326-8034







Religious Services & Counseling

Resources:

- SAMHSA National Hotline: 1-800-662-4357
 (Mental/Substance Abuse disorders. English and Spanish)
- Suicidepreventionlifeline.org: 1-800-273-8255 or call 988
- Dugway Emergency Call 911 or 435-831-2929 Dispatch
- SafeUT Crisis Chat and Tip Line: 833-372-3388 or the Safe UT app on your phone.

 Office: 435-831-3611
- 211utah.org
 Dial 211 to connect with services such as food resources, legal aid, education, transportation and more.
- National Human Trafficking Resource Center: 1-888-373-7888
 or the Utah Attorney General Tipline: 801-200-3443





Army Community Services

ARMY COMMUNITY SERVICES

Family Advocacy Program

Arzu Twitty (FAPM)

Office: ACS Building

Office Hours: M-TH, 07:00-17:30

Office Phone: (435) 831-2260

Email: arzu.twitty2.civ@army.mil



Diane Singh (SARC/VA)

Office: ACS Building, Rm #237

Office Hours: M-TH, 07:00-17:30

Office Phone: (435) 831-2120

Email: diane.m.singh.civ@army.mil

24/7 CRISIS HOTLINE

(435) 830-8896





MWR Happenings

- Nightly Movies at the Club! Starting at 1830, check Facebook/App for Movie Schedule.
- The Community Club Bar is open Wednesdays from 1800-2000 and Thursdays from 1800-2200.
- Join CYS for Santa's Workshop, 1 December at 1700. Come bring your family to make some fun crafts, a chance to speak with Santa, and take a beautiful family portrait. Also held during this time will be the ACS Chili Cook-Off!
- CYS has open enrollment for both Preschool (full-time and part-time) and School Age (before and after school). Contact CYS @ 3345 for more information.
- CYS Teen Room is open, every Wednesday from 1530-1800. All children must be registered to attend!
- Contact ACS for all of your family's needs. <u>They offer services such as Family Advocacy</u>, <u>Relocation Readiness Program, and EFMP</u>. Call ACS Chief, Greg Mason at (435) 849-1238 for any of these services.



Contact Information available on Digital Garrison App





Santa's Workshop & Chili Cook Off









FMWR Feedback Request

Dugway FMWR is exploring going Cashless at all its locations next year.

Please use the QR code (ICE) to provide us with Feedback regarding how this might impact your family's usage of our facilities.



Additional signage will be placed in our facilities requesting Feedback







Holiday Hours

Shocklee Fitness Center (unmanned)*, Outdoor Recreation, Library, CYS & ACS Programs

•	Thanksgiving Day	CLOSED
•	Christmas Eve	CLOSED
•	Christmas Day	CLOSED
•	New Year's Eve	CLOSED
•	New Year's Dav	CLOSED



•	Thanksgiving Day	CLOSED
•	Christmas Eve	1000 -1600
•	Christmas Day	CLOSED
•	New Year's Eve	1000 -1600
•	New Year's Day	1000 -1600

Ditto Diner & Community Club

Thanksgiving Day CLOSED
 22 December – 2 January CLOSED



•	Thanksgiving Day	CLOSED
•	Christmas Eve	0900 -1600
•	Christmas Day	CLOSED
•	New Year's Eve	0900 -1600
•	New Year's Day	CLOSED

Shocklee Fitness Center will be unmanned only.
Access 24/7 by calling dispatch at 2929





Open Discussion

Questions

Acting Deputy Garrison Manager

Mr. Brent Wilder



Community Town Hall Ice Comments



Garrison Manager

Mr. Chris Damour



Command Sergeant Major

CSM Rawls



Installation Commander

COL Hoffman





Closing Comments

A Great Place to Work, Live, and Play



TOWN HALL / COMMUNITY MEETING: DUGWAY PROVING GROUND SOUTHERN TRIANGLE AREA A MUNITION RESPONSE SITE PHASE II REMEDIAL ACTION/FEASIBILITY STUDY

Lindsey Miller
COR and Project Manager
CEHNC

Keller Davis
Project Manager
APTIM

15-16 November 2022







PROJECT TEAM INTRODUCTIONS



- Army Environmental Command (AEC)
- Dugway Proving Ground (DPG)
- US Army Engineering Support Center Huntsville (CEHNC)
- Utah Department of Environmental Quality (UDEQ), Division of Waste Management and Radiation Control (DWMRC)
- Utah Division of Environmental Response and Remediation (DERR)
- US Bureau of Land Management (BLM)
- APTIM Federal Services (APTIM)



ACRONYM LIST

AEC – Army Environmental Command

APTIM – Aptim Federal Services, LLC

AGC – advanced geophysical classification

APT – Assessment/Package/Transport

BLM - Bureau of Land Management

CA – chemical agent

CEHNC - Corps of Engineers, Huntsville Center

CSM - conceptual site model

CSP - Chemical Siting Plan

CWM - chemical warfare materiel

DGM - digital geophysical mapping

DPG - Dugway Proving Ground

DHWRC - Division of Hazardous Waste and Radiation Control

EM – electromagnetic

EMT – emergency medical technician

FS - Feasibility Study

FUDS - Formerly Used Defense Site

GPS - global positioning system

HRR - Historical Records Review

IHF – Interim Holding Facility

MC - munition constituents

MD - munition debris

MEC - munitions and explosives of concern

MMRP - Military Munitions Response Program

MRS - Munition Response Site

PDS – personnel decontamination system

QAPP - Quality Assurance Project Plan

RCRA – Resource Conservation and Recovery Act

RFI - RCRA Facility Investigation

RI - Remedial Investigation

RSG - Rising Sun Grid

SI – Site Investigation

STAA – Southern Triangle Area A

TOI – target of interest

UDEQ - Utah Department of Environmental Quality

USACE - US Army Corps of Engineers

UXO - unexploded ordnance



SITE DESCRIPTION AND BACKGROUND



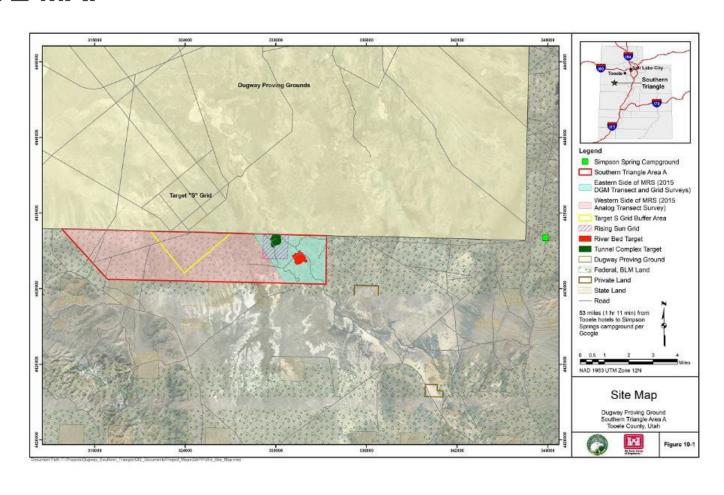
Southern Triangle Area A Munition Response Site (STAA MRS)

- The 12,631-acre Southern Triangle Area A (STAA) MRS is located in Tooele County, southwest of Tooele, Utah.
- The STAA MRS is located adjacent to and outside the southern border of Dugway Proving Ground.
- STAA includes a safety buffer zone for Target S Grid and target areas for testing in the Rising Sun Grid (RSG) and River Bed Target.



SITE MAP







SITE DESCRIPTION AND BACKGROUND



- STAA has been used since the 1950s for a variety of ordnance tests, with some incorporating chemical agents (CAs) as filler for the munitions. Tests also included bombs air bursting over the Target S Grid.
- The Southern Triangle Area is a transferred site, meaning it is located off property currently owned or controlled by the Army and is currently managed by the Bureau of Land Management (BLM).



- While test records exist, previous investigations and historical munitions response activities at the MRS are not well documented. Internal DPG documents from the 1950s to 1970s stated that the River Bed Target had been surface cleared of munitions and explosives of concern (MEC).
- <u>Determination of Eligibility/Inventory Project Report (USACE April 1993)</u> The report concluded that the Southern Triangle Area was eligible for the FUDS program.
- <u>Archives Search Report (USACE 1993)</u> The report concluded there was a potential for the presence of CWM in the Southern Triangle Area, and therefore recommended further action.





- <u>UXO/CWM Investigation and</u>
 <u>Engineering Evaluation/Cost Analysis</u>
 <u>(Montgomery Watson 1996)</u>
 - Visual and geophysical surveys and soil sampling were performed in the areas surrounding the Target S Grid Buffer zone and RSG.
 - Recommendations were made for three areas based on the geophysical surveys and soil sampling. A limited removal action was recommended for along with posting of signs and a land management plan.







- Phase II RCRA Facility Investigation SWMU-15 (Parsons 2009) –
 - The RFI focused on the former RSG Tunnel Complex Target where the potential for buried materials would be highest.
 - Activities conducted during the Phase II RFI included GPS mapping of the area, geophysical surveys, and soil sample collection. Multiple geophysical anomalies were identified that were considered potential MEC.







- Southern Triangle Area Historical Records Review (HRR)/Site Investigation (SI) (TLI 2009, 2010) –
 - An HRR was performed for the Southern Triangle Area to catalog known information for the MRS and support determinations for whether further response actions were necessary.
 - Along with the HRR, an SI was performed that included visual survey of approximately 118 linear miles (400.66 acres). No MEC was observed. Soil and sediment samples were collected with no explosives detected. Metals were detected in the samples at concentrations below screening levels.
 - SI recommended dividing the Southern Triangle
 Area into two munition response sites with Area A
 requiring additional investigation and Area B for
 "No Further Action".





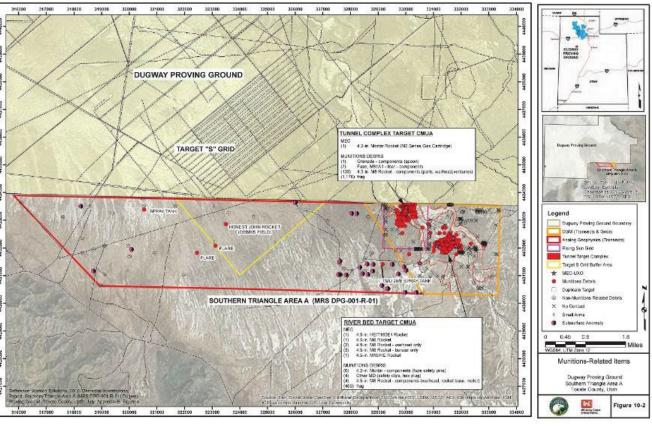


- Phase I Remedial Investigation at the Southern Triangle
 Area A (STAA) MRS (Weston, 2015) A phased approach
 was used to characterize MEC across the MRS.
 - Analog instrument transect surveys were used in the western portion of the MRS
 - Focused digital geophysical mapping (DGM) surveys were used in the eastern portion of the MRS.
 - A total of 1,661 anomalies were identified by geophysical surveys, of which 539 were left uninvestigated due to the early termination of field activities.
 - Nine MEC items were identified. Three of the MEC items were at the surface discovered by UXO personnel, five related to the River Bed Target, and one from the RSG.
 - The item identified at the RSG was a 4.2-inch Mortar Rocket. The potential for the item to be CWM, and the potential for additional CWM to be present resulted in the termination of field investigation activities.





MEC ITEMS FROM PREVIOUS INVESTIGATIONS









- Phase I Remedial Investigation at the STAA MRS (Weston, 2015) cont'd -
 - Environmental sampling was performed to determine soil impacts from munition constituents (MC).
 - The sampling included six incremental soil samples from the MRS and eight incremental background samples collected to the south, outside of the MRS boundary.
 - No explosives were detected. The detected metals concentrations were similar to ambient soil.
 - The human health and ecological risk assessments determined that no potential concerns were present. However, the geophysical mapping had located and identified multiple MEC items.







- Results from the Phase I RI
 - Confirmed the presence of MEC and MD; however, the extent is not defined
 - Potential for CWM exists; however, the extent is not defined
 - Data gaps also include:
 - ➤ No digital geophysical record for the western side of the MRS.
 - ➤ On the eastern side of the MRS, the sloped riverbanks have no digital record, infill transects are incomplete for target area delineation, and grid surveys are incomplete for MEC characterization.
- Addressing these data gaps provides the approach for completing the upcoming Phase II RI Field Work.

DATA GAP ANALYSIS



Phase 1 RI Data Gaps and Phase II Survey Design		
Area	Phase 1 RI Data Gap	Phase II Survey Design
Weste rn Sid e	No digital record	 Perform Digital Geophysical Mapping along anomaly density transects Perform Advanced Geophysical Classification (AGC) if high density areas are found
Eastern Side	 Sloped riverbanks have no digital record Target areas not adequately delineated Intrusive investigation incomplete Current preferred technology, AGC, not used 	 Collect digital data over the sloped riverbanks with UAV magnetometer Perform infill transect surveys to refine target area boundaries Perform AGC grid surveys in areas of high anomaly density Complete intrusive investigation to fully characterize buried items

PHASE II RI/FS APPROACH



The overall goals of this project are to:

- Complete the characterization of the nature and extent of MEC and MC
- Identify Remedial Action Objectives
- Evaluate Remedial Alternatives
- Select a Remedy



PHASE II RI/FS APPROACH

- (CONT'D)
 Surface Clearance items on the surface obstruct detection of subsurface items during geophysical mapping.
- Digital Geophysical Mapping
 - Transect mapping to identify areas of elevated subsurface anomaly density (potential target areas)
 - Unmanned aerial vehicle (drone mounted) magnetometers for steep terrain
 - Collect data is areas where man-portable surveys are less safe or data quality will be compromised
 - Sensor suspended from drone with nominal altitude of 5 feet or less



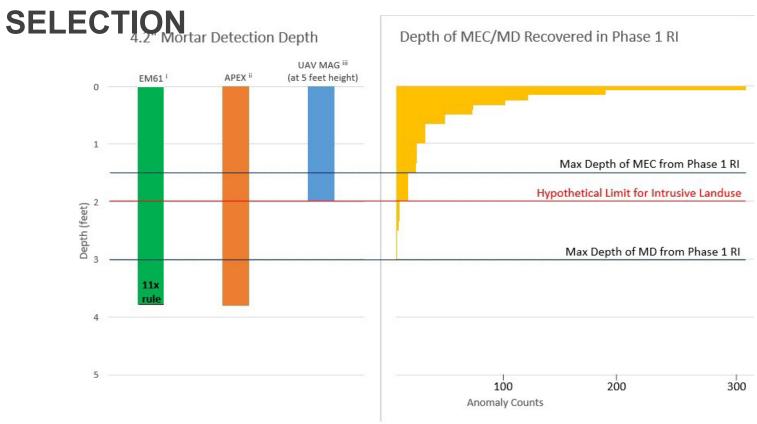
PHASE II RI/FS APPROACH CONT'D



- Advanced Geophysical Classification (AGC)
 - Advanced sensor technology that can better determine if subsurface items are potentially munitions
 - Equipment and data processing more costly than standard geophysical equipment, but the ability to only dig up suspected munitions reduces overall field time and costs
 - AGC will be used in areas of increased anomaly density from DGM transect data



GEOPHYSICAL INSTRUMENT



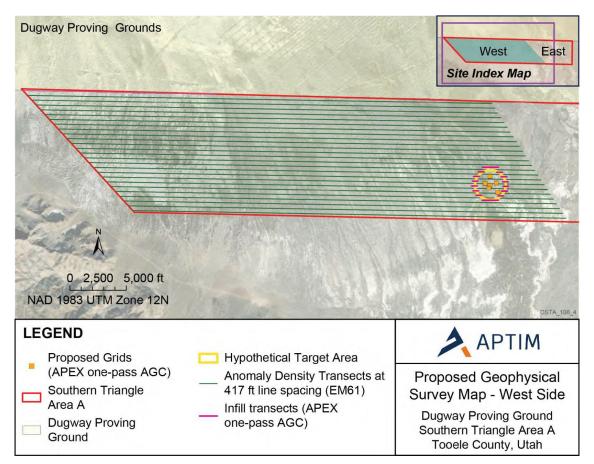
Notes: ⁱ USACE Detection Depth Rule is calculated by multiplying 11x the munition diameter. ⁱⁱ APEX maximum detection depth represents the most favorable orientation; source: WRT. ⁱⁱ Drone detection limit is based on 5:1 signal noise ratio.





GEOPHYSICAL MAPPING PLAN -

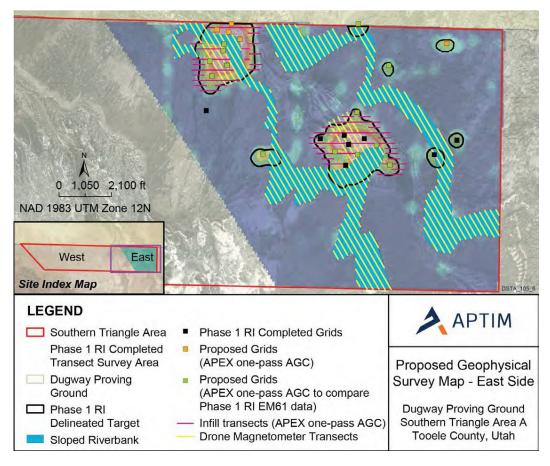
WEST





GEOPHYSICAL MAPPING PLAN -

EAST







UAV MAGNETOMETER AND APEX









INTRUSIVE FIELD WORK



Intrusive field work involves digging up anomalies with a 'MEC-like' signature from the geophysical mapping.

- Intact MEC items will be assessed for potential of CWM (weighed and x-rayed), then packaged and transported to the Interim Holding Facility.
- Explosively configured MEC will be detonated.

Intrusive field work will also include munition constituent (MC) soil sampling characterization.

- Discrete Soil Samples
 - > Collected upon discovery of potentially leaking liquid filled munition, low-order MEC finds, and other evidence of releases (i.e. staining).
 - Analyzed for explosives and CA/agent breakdown products (ABP).
- Composite Soil Samples
 - Collected in areas of high anomaly density using incremental sampling methodology (ISM).
 - Sample area coinciding with the geophysics grids.
 - > 30 increments per composite sample.



PHASE II RI/FS APPROACH CONT'D



- Intrusive Field Work –intrusively investigate Targets of Interest (TOI) in AGC data
 - Currently estimate approximately 350 digs
 - Training and resources in place for potential MEC and CWM
 - Initial Assessment, Packaging, and Transportation – full-time team dedicated to the evaluation of MEC and CWM items
- Interim Holding Facility specialized storage container used to safely and securely stage recovered munitions with unknown liquid





CHEMICAL AGENT SAFETY



Performing intrusive activities at a potential CWM site requires specialized planning, training, and resources:

- Development of Chemical Siting Plan.
- Pre-Operational Surveys, Training and Exercises field personnel undergo two weeks of training (personnel protection equipment, chemical agent release scenarios, rescue/extraction, mitigation, and decontamination.
 Requires Army review and approval before notice-toproceed with intrusive field work.
- Personnel Decontamination System Full-time team that is responsible for decontaminating potentially contaminated personnel and equipment.

CHEMICAL AGENT SAFETY (CONT.)



- Medical Support –EMT and ambulance subcontractor trained in advanced life support and chemical casualty care is on-site full-time to provide emergency services and transport.
- Interim Holding Facility includes specialized storage container and full-time security services when storing suspected CWM.
- Real-time air monitoring for chemical agent.

PROJECT SCHEDULE OVERVIEW



- Currently in work planning phase
- April 2023: Mobilize to the field
- May August 2023: Geophysical mapping
- October 2023: CWM training
- November December 2023: Intrusive operations
- 2024: Reporting
- 2025 2026: Remedy Selection



LATER TERM PROJECT TASKS (2024 – 2026)



- Remedial Investigation Report presents the results of the investigation, nature and extent of contamination, MEC/CWM characterization, and revised Conceptual Site Model.
- Feasibility Study includes the development of remedial action objectives and evaluation of remedial alternatives for MEC, CWM, and munition constituents based on all data generated to date. Also includes detailed cost estimates for each remedial alternative.
- Proposed Plan summarizes the specifics of the preferred remedial alternative for public review and comment.
- Decision Document summarizes the remedy selection and all major comments and Army responses on the proposed plan. The document also formalizes the remedy selection.



QUESTIONS



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