

Arnold Engineering Development Complex

Facility Support Services

Industry Day No. 1

20 – 21 March 2018



U.S. AIR FORCE

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FSS Industry Day No. 1



Information provided and discussed is for planning purposes only and DOES NOT constitute a commitment, implied or otherwise, that a procurement action will be issued.

All information provided and discussed is pre-decisional.



FSS II Multifunctional Team



AFMC

Title	Name
Services Designated Official (SDO)	Mr. Clark Brandon
Program Manager	Mr. Charlie Jenkins
Dep. Program Manager/Technical Lead	Ms. Nikki Tracey
Procuring Contracting Officer (PCO)	Mr. John Lominac
Contract Specialist	Ms. Tyler Payne
Small Business Advisor	Ms. Stacey Lamb
Cost / Price Lead	Mr. Josh Johns
Source Selection Advisor	Ms. Kathy Swanson
Technical Lead – Big3	Mr. Clyde Young
Past Performance Team Lead	Mr. Beau Campbell
Legal Advisor	Mr. Greg Porter
Public Affairs	Mr. Jason Austin
Source Selection Coordinator	Ms. Jessica Means



FSS Industry Day Agenda



- | | |
|--------------------|--|
| 0800 – 0810 | Welcome |
| 0810 – 0910 | Opening Remarks / AEDC Overview |
| 0910 – 0925 | Topics of Interest <ul style="list-style-type: none">- Current Operating Contract- Notional Acquisition Schedule- Source Selection Office Team |
| 0925 – 0940 | Break |
| 0940 – 1000 | Topics of Interest <ul style="list-style-type: none">- FBO- Competition Library- Request for Information (Sources Sought Synopsis)- Collective Bargaining Agreements (CBA)- Government Furnished Property (GFP)- Big3 (AbilityOne Program) |



FSS Industry Day Agenda



1000 – 1155

Requirements Review

- Performance Work Statement (PWS)
- Technical Team Introduction
- Industrial Security
- Security Services
- Command & Control
- Fire and Emergency Services
- Environmental Management

----- **BREAK** -----

- Safety
- Occupational Health
- Base Supply
- Cargo Movement
- Transportation & Vehicle Maintenance

1155 – 1200

Morning Wrap Up and Tour Details



FSS Industry Day Agenda



1200 – 1300	Lunch
1300 – 1415	Tour A
1430 – 1545	Tour B
TBD	Tour C
1600 – 1615	Wrap Up



Administrative Remarks



- Restrooms located near entrance
- Snacks on back table (honor system)
- Lunch is on your own
- GLC Emergency Response
 - Fire gathering point is far side of front parking lot
 - Severe weather - restrooms
- The Industry Days agenda is the SAME for both days.



Q&A PROCESS



- All questions asked of the SSO will be shared, **ONLY** the question and Government answer will be posted, **NOT** the asking party
- Ways to ask questions: preference is to have all questions in writing
 - Industry Days: index cards
 - Email to
 - Phone call, followed by email
- Q&A Process
 - Receive question
 - Assign Government POC
 - Answer is boarded with Government MFT
 - Question and Government answer is posted to FBO

IMPORTANT:
note if you consider
your question
company proprietary

Air Force Materiel Command

AEDC and the Air Force Test Center

Clark Brandon
Deputy Director
Test Support Division



Deliver and Support Agile War-Winning Capabilities

Approved For Public Release AEDC 2018-101

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Topics of Interest

- Current Contract
- FSS II General Information

Mr. Charlie Jenkins
Program Manager
AEDC/TSD

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Current Operating Contract



AFMCO

**Test
Operations
and
Sustainment**

A&AS

**Facility
Support
Services**

**Performance
Based
Remediation
Program**

**Base
Communications
and Information
Technology
Services**

**Precision
Measurement
Equipment
Lab**



- Industrial Security
- Security Services
- Operations Center
- Fire and Emergency Services
- Environmental Management
- Safety
- Industrial Hygiene
- Base Supply
- Freight Services
- Transportation and Vehicle Maintenance
- Grounds Maintenance
- Solid Waste Management (Refuse)
- Custodial Services



Current Operating Contract



- **Performance-based FFP contract**
 - **Firm Fixed Priced (Hybrid) – some cost CLINs**
 - **1 Base Year, 3 Option Years**
 - **Performance began 1 December 2015**
 - **What is needed, not HOW the work is performed**
 - **Contractor Performance Work Statement (CPWS)**
- **Surveillance**
 - **Contractor quality management system (QMS) (AFI 63-138)**
 - **Government COR team, monthly inspections**
 - **Monthly performance assessment briefings**
 - **Performance Assessment Reports (PAR)**



FSS II Notional Acquisition Schedule



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- **Industry Days No. 1** **20 Mar 18**
- **RFI #1 (Sources Sought) Due** **30 Mar 18**
- **Industry Days No. 2** **22 May 18**
- **Draft RFP Release** **17 Aug 18**
- **Industry Days No. 3** **23 Oct 18**
- **Final RFP Release** **16 Nov 18**
- **Proposals Due** **XX Jan 19**
- **Contract Award** **XX Jul 19**
- **Contract Start** **01 Dec 19**



-- Break --

Will Start back at ??

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Topics of Interest

- FBO
- Competition Library
- Sources Sought
- CBAs

Mr. John Lominac
Procuring Contracting Officer
AFTC/PZZ

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What is FBO?



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- **FedBizOpps (Federal Business Opportunities)**
- **Single Government point-of-entry for Federal Government procurement opportunities over \$25,000**
- **Browse the listings and register for automatic email notification of business opportunities**
- **<https://www.fbo.gov>**
- **User guides on FBO website**
- **Competition Library**

Watch FBO for updates



FBO Documents



- **Non-Sensitive/Secure**
- **Controlled, Unclassified**
 - **Valid Marketing Partner Identification Number (MPIN)**
 - **www.sam.gov**
 - **Explicit Access**
 - **Must be on Authorized Parties List**
 - **Export Controlled**
 - **DLA Logistics Information Service (DLIS) certification**
 - **Submit DD2345**
 - **<http://www.dla.mil/HQ/InformationOperations/Offers/Products/LogisticsApplications/JCP.aspx>**

Ensure Registration in SAM



Competition Library



- **Industry Day**
- **Current Contract**
- **Collective Bargaining Agreements**
- **Local Regulations and Tech Standards**
- **AEDC Facility Descriptions**
- **Etc.**

Will Continually Update



What We Will Provide



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- **We will provide as much information as possible in our public website and our competition library**

<http://www.arnold.af.mil/fssl>

The SSO is here to assist you with any questions you may have



Sources Sought



- **Sources Sought**
 - Informational purposes and market research
 - Not a Request for Proposal
- **Notice posted on FBO.gov**
 - Solicitation Number: FA9101-18-R-1000
 - Total small business set-aside
- **Three attachments**
 - Contractor Capability Survey
 - Update posted

Response due March 30, 2018 at 2:00PM



Collective Bargaining Agreements



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- **Active contractor union workforce with AFL-CIO union support**
 - **Government neutrality is paramount**
- **CBA's in place between the operating contractor(s) and skilled craft workforce since AEDC's inception in the 1950s**
- **Craft workforce (except security guards) represented by the Air Engineering Metal Trades Council (AEMTC)**
 - **AEMTC is comprised of 11 unions**
 - **Boilermakers, electricians/instrument technicians, iron workers, laborers, machinists, operating engineers, pipefitters, fire fighters, painters, sheet metal workers, and teamsters**
 - **AEMTC POC Mr. Alvin Cleek (931-454-4699)**
 - **International Guards Union of America (IGUA) represents security guards**
 - **IGUA POC Mr. Orville (Trey) Glenn (931-454-5662)**



Collective Bargaining Agreements



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- **Service Contract Act of 1965 applies to this work and incorporates the CBAs into the operating contract(s)**
 - **Successor contractors performing substantially the same services in the same locality must pay wages and fringe benefits at least equal to those contained in the CBA entered into under the predecessor contract**

Copies of current CBAs are maintained in the AEDC competition library

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Topics of Interest

- Government Furnished Property (GFP)

Mr. Gregg Howard
AFTC/PZZ

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Government Furnished Property



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- **Contractors are ordinarily required to furnish all property necessary to perform Government contracts**
- **Contracting officer shall provide property when it is clearly demonstrated:**
 - **To be in the Government's best interest**
 - **That the benefit to the acquisition significantly outweighs the increased cost of administration, including disposal**
 - **That providing the property does not substantially increase the Government's assumption of risk**
 - **That Government's requirements cannot otherwise be met**



Government Furnished Property (cont.)



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- **GFP limited to Mission Critical Assets**
 - **Federal Acquisition Regulation (FAR) and Air Force Logistics Regulations are complex**
 - **DOD is focused on GFP accountability and audit readiness**
 - **A large GFP footprint requires overhead increases in manpower, computers, oversight, and program management**
 - **Audits and inspection activities may conflict with test support**
 - **AEDC is low priority when competing for DoD owned assets**



Government Furnished Property (cont.)



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- **GFP Administration**

- **If GFP is provided, then Contractor must submit Property Management Procedures to the Government**
 - **The Government will approve Contractor Property Management System (PMS)**
- **Contractors are required to perform self-assessments**
- **The Government will perform recurring audits of Contractor PMS**
- **Contractors are required to complete contract closeout**
 - **Inventory of GFP**
 - **Disposition of excess GFP**
- **Contractors are required to comply with FAR 52.245-1, mandatory clauses and Air Force Regulations**

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Topics of Interest

- AbilityOne



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Mr. Clyde Young
AbilityOne Technical Lead
AEDC/TSDCO

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AbilityOne Program



Big 3 Services (Custodial, Grounds Maintenance & Refuse) provided by AbilityOne Program

- **AEDC Acquisition Strategy approved in February 2014**
- **Program implementation deferred until December 2019**
- **AbilityOne: Established by the Javits-Wagner-O'Day Act in 1938**

- **Provides employment opportunities for people with disabilities**
- **Over 4,300 contracts performed for various Federal Government agencies**
 - **Employs over 46,000**
 - **Employs more than 3,000 service-disabled veterans**
- **SourceAmerica assists with administering the program**



SourceAmerica™



AbilityOne Program



SourceAmerica selected CW Resources as the Arnold AFB Big 3 Contractor

- **CW Resources selected as contractor April, 24, 2014**
- **Well-established non-profit agency providing custodial and grounds maintenance services to Department of Defense sites across the USA.**
- **In business since 1964**





AbilityOne Program



FOR MORE INFORMATION

- **AbilityOne Program:** <https://www.abilityone.gov/>
- **SourceAmerica:** <https://www.sourceamerica.org/>
- **CW Resources:** <https://www.cwresources.org/>

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Technical Team Discussions

Ms. Nikki Tracey
Deputy PM/Technical Lead
AEDC/TSDCI

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Performance Work Statement



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- **Performance based requirements**
- **PWS currently being drafted**
 - **Addresses specific requirements by functional area, as well as overarching requirements across all contract activities**
 - **To furthest extent possible, requirements described in terms of “what” the Government needs as opposed to “how” the work should be accomplished**
 - **Applicable mandatory directives identified by PWS requirement**
 - **Government seeks to encourage use of innovative and cost-effective methods of service delivery**
 - **Deliverables identified with corresponding requirement**
 - **Multiple appendices will provide insight into scope of effort related to PWS requirements**



Performance Work Statement



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- **Draft PWS will be posted to Federal Business Opportunities website late April/early May**
 - **Intent is to gain Industry feedback to mitigate any ambiguous or overly prescriptive requirements**
 - **Government will schedule one-on-one sessions between Industry participants and PWS functional area experts, likely to occur late May (more to come)**
- **PWS included in Draft RFP will be in near-final state**
 - **Offerors should not expect to see significant changes in Final RFP PWS**



Technical Team



PWS Functional Areas

Industrial Security

Security Services

Command and Control

Fire and Emergency Services

Environmental Management

Safety

Occupational Health

Base Supply

Cargo Movement

Vehicle Ops and Maintenance

Functional Expert

Jack Glasser

Keith Davis

Brian Allen

Lee Smith

Shannon Allen

Jim Raabe

TSgt Josh Suggs

John Kilian

John Kilian

MSgt Jaime Martinez



Functional Area Review



“Drink from a fire hose for the next 2 hours”

- Each briefing will provide a “high level” requirements overview
- We prefer NOT to take live questions during or after each briefing
- Note cards will be provided to write your questions
- Reminder: You will have the opportunity to engage with functional experts one-on-one in the next few months. We encourage you to take advantage!

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PWS 3.1 Information Protection

***Mr. Jack Glasser
AEDC/TSD-IP***

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Topics



- **Information protection (IP)**
- **On-base contractors**
- **Requirements**
 - Types of test supported
 - Physical and controlled space
- **Capabilities**



Information Protection



- **Protect information critical to the successful accomplishment of AEDC's mission**
 - **Core disciplines: information, industrial, personnel, and operations security**
 - **The servicing security activity for on-base contracts at AEDC**
 - **Not responsible for any direct information technology related services**



On-Base Contractors



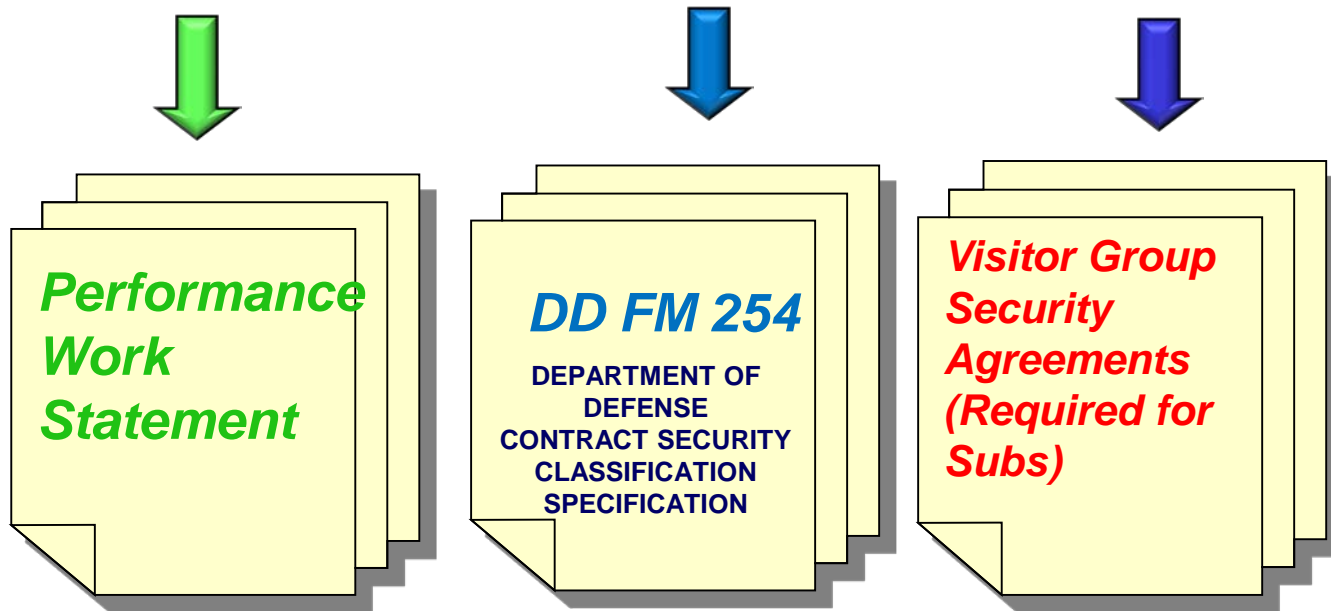
- **FSS will be designated an on-base cleared facility**
 - **Must possess and maintain a Top Secret facility clearance level**
- **Defense Security Service (DSS) will be relieved of security oversight responsibilities**
- **Special Access Program (SAP), Sensitive Compartmented Information (SCI), and Information System Security Officer (ISSO) Support required**



Requirements



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Primary Source Documents



Requirements (cont.)



- **Anticipated contract requirements**
 - **Manage physical / controlled / space required for test operations**
 - All classified areas (National Industrial Security Program [NISP] closed and restricted ~40/15)
 - Unclassified / commercial test areas
 - **Test security / asset protection**
 - Manage test security requirements
 - Develop, coordinate, and execute test security or program protection plan(s)
 - Information Systems Security Officer (ISSO) Support (RDT&E Systems Only)
 - **Security management support**
 - Assist the Government with IP / security related tasks, such as fingerprinting, security education and training, incoming / outgoing classified visit administration, surveys, assessments and bulk controlled unclassified information (CUI), and classified destruction
 - NATO Control Point



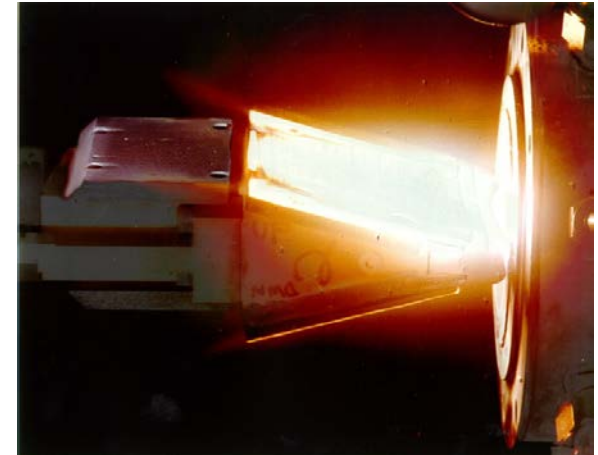
Types of Test Supported



AFMC



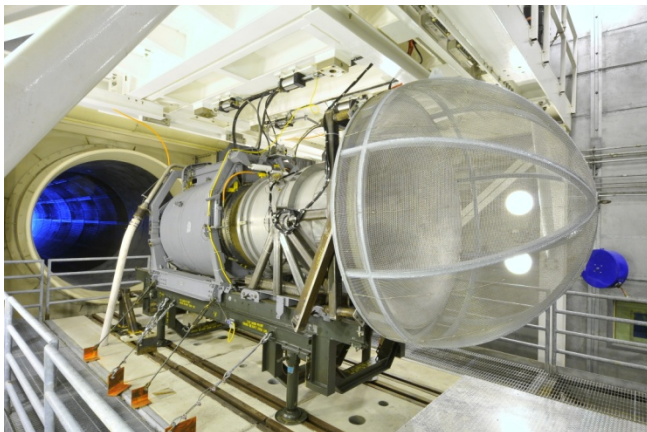
**International Traffic in Arms Regulations (ITAR) /
Proprietary / Competition Sensitive**



**Arcs H1 / H3 ITAR / Foreign
Classified**

Commercial / Foreign / NATO

ITAR / Proprietary



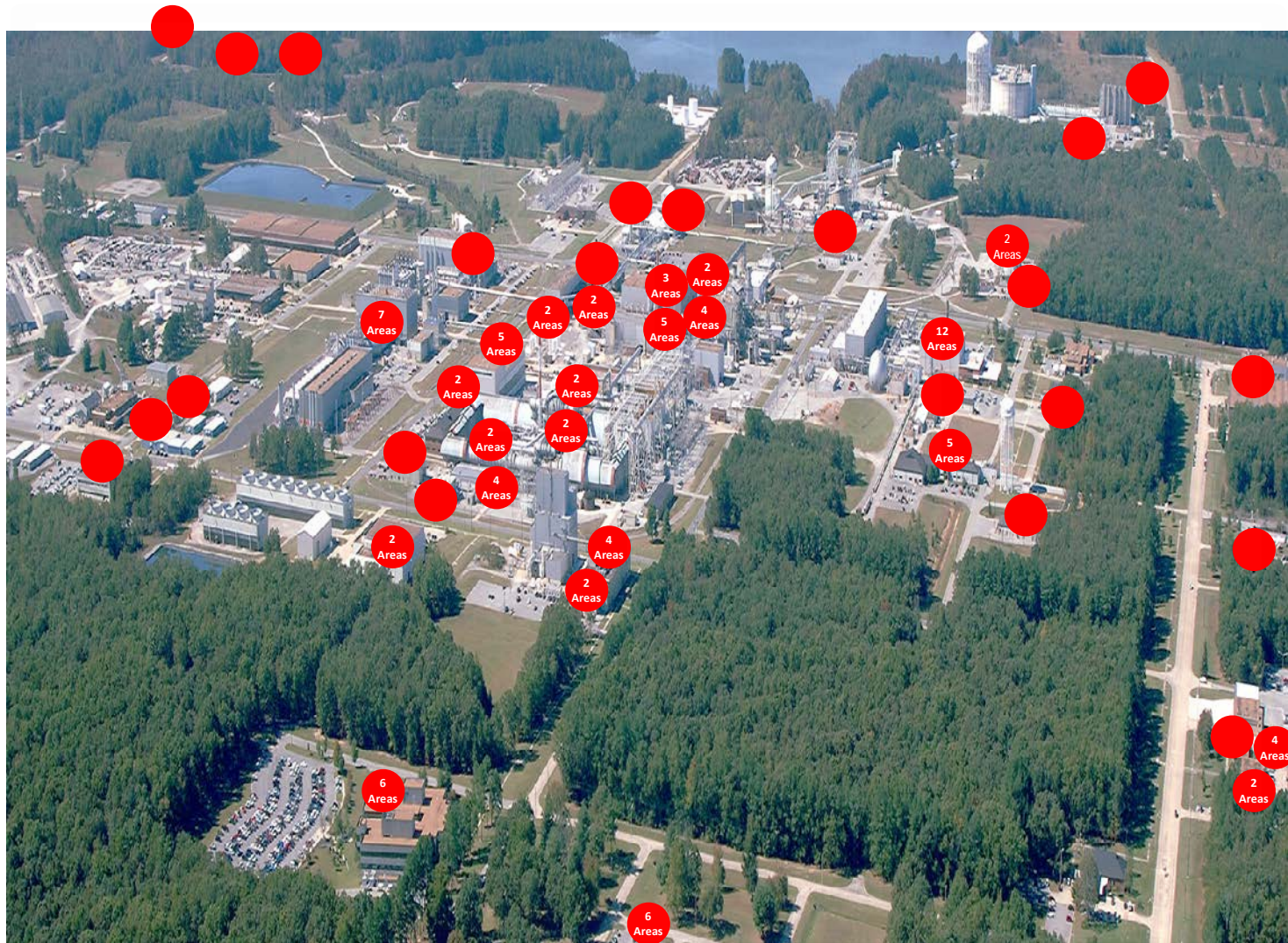
Classified



Closed / Restricted Areas



AFMPC





AFMGC

Example of Concurrent Classified and Unclassified Activities Configuration

Red Shading for Classified Areas

Exterior Doors

Activated Sep
Deactivated Nov
Activated Dec
Deactivated Feb
Activated April

Exterior Doors

Roll Up

Exterior Doors

Roll UP

Exterior Doors

Exterior Doors

2
Cust
Room
s

Primary Entry Point

Tunnel 3 Equipment Room

Tunnel 3
Comp Sensitive Test

Tunnel 2 Equipment Room-
Classified

Tunnel 2
(classified Test)

Tunnel 1 Equipment Room

Tunnel 1
Unclassified Test

Cal
Lab

Ctrl
Room

Computer
Room

Computer
Room

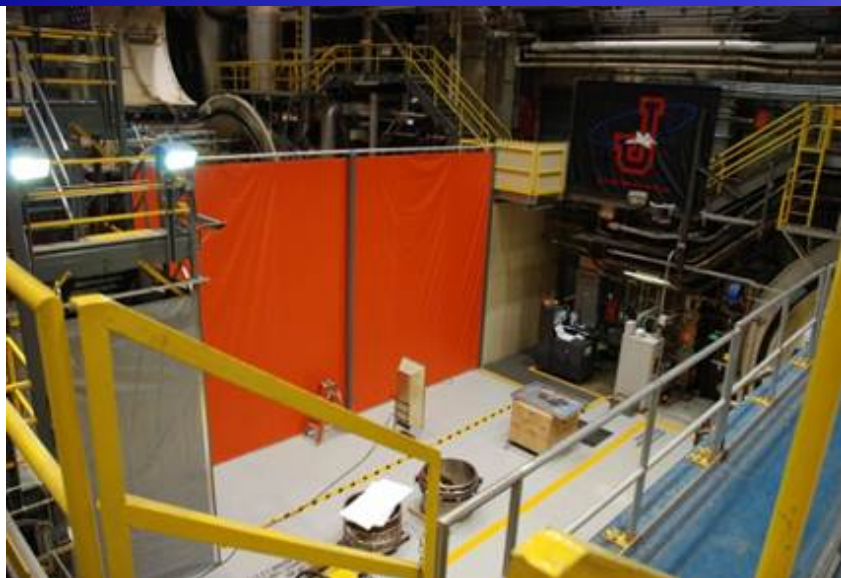
Notional



Test Areas Examples



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Related Roles and Interfaces



AFMCG

FSS

- Establishes standard security practices and procedures for all collateral classified and commercial test areas
- Establishes and manages all physical space required for test operations

TMAS

BCITS

TOS

Supports test as required; follows FSS standard practices and procedures for collateral classified and commercial test.

- Instrumentation, Data, and Controls (ID&C) for SAP & SCI
- Follows Government Rules for SAP and SCI test (Special Security Office [SSO] and Government SAP Security Office [GSSO])

Government will manage SAP and SCI

Yellow - Contractor
Blue - Government



Capabilities



- **FSS**
 - Alarm response and investigative assistance
 - Bulk CUI and classified destruction capability (paper, computer media, e.g., DVDs, hard-drives)
 - Classified shipping / receiving
 - Contractor Fingerprinting (electronic) & all Contractor T-1 Investigations
 - GSA security containers and locks
 - Security Education and Training
 - NATO Control Point
- **TOS**
 - Locksmith
- **BCITS**
 - Information technology (IT) Services

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PWS 3.2 ***Security Services***

Mr. Keith Davis
AEDC/TSD-SF

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Topics



- **A Hybrid Security Forces “Like” Construct**
- **Commanders Intent / Integrated Defense**
- **Physical Security / Local Jurisdiction**
- **Posting Requirements**
- **Contractor Security Admin / Program Management**
- **Visitor Control Center and Access Control**
- **Traffic Safety**
- **Government / Contractor Furnished Equipment**



Security Forces “Like” Hybrid Construct One Team Concept



- **Government Test Support Division / SF**
 - Defense Force Commander
 - Contracting Officer Representative (Gov Oversight)
 - Antiterrorism (Antiterrorism Officer / Program Manager)
 - SF Investigations
 - Plans / Policy

- **FSS Security Services Contractor**
 - “Lead” operational and tactical control of contractor Security Services
 - Operations (Base Defense Operations Center / C2, Patrols, Installation Entry Control Points, Combat Arms Training and Maintenance, Resource Protection, Physical Security, Test Posts, Explosive Detection K9, Boat, and All-Terrain Vehicle Patrols)
 - Admin and Reports (Visitor Control Center, Reports and Analysis, SF Management Information System administrator, Plans and Programs)



AEDC Commander's Intent for Integrated Defense



- Conduct a layered defense operation, identifying threats as early as possible
- Integrated Defense priority of effort
 - To save lives and prevent serious injury by reducing vulnerability of mass casualty incidents on the installation
 - To minimize mission degradation
 - To protect government property





Physical Security Requirements



- **Manage physical security program IAW DoD 5200.8-R, AFI 31-101, and DoD 5100.76M, Physical Security of Sensitive Conventional AA&E**
- **11 Air Force Controlled Areas designated on AEDC**
- **Intrusion Detection Systems / Intrusion Detection Equipment, i.e., Automated Entry Control System, Close Circuit Television, and Defense Biometric Identification System (DBIDS)**
- **Fencing / Lighting / Signage / Gates**
- **Security barriers (active vehicle barriers at Main Gate and Commercial Gate 2)**

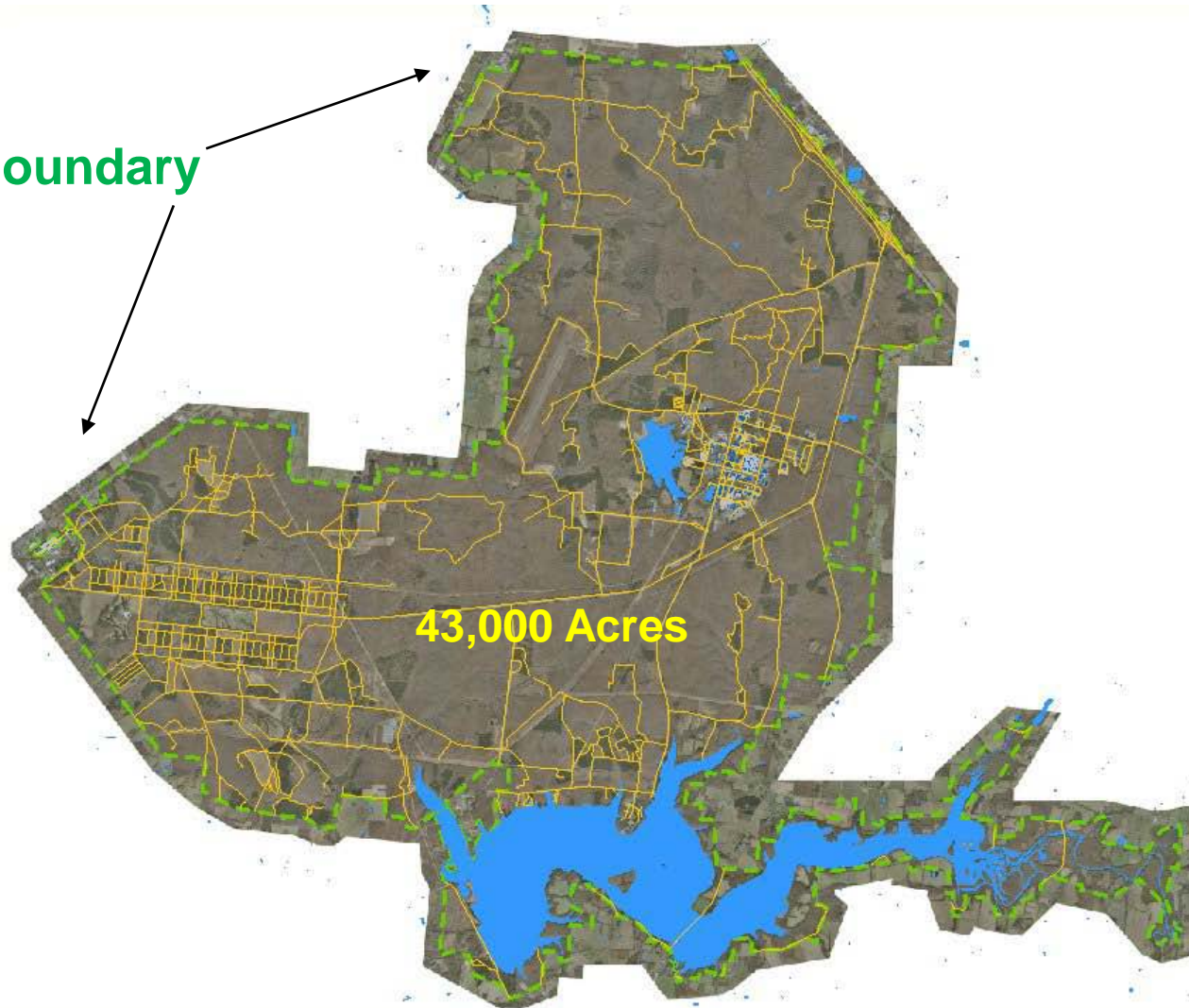


Proprietary Jurisdiction



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Base Boundary



Arnold GeoBase Web Viewer



Post and Patrol Requirements



- **Protection Level 4, three 8-hour shifts**
 - One shift lead supervisor (24/7)
 - One desk sergeant (24/7)
 - One alarm monitor (day shift Monday – Friday [M-F])
 - One 1-person interior patrol (24/7)
 - Two 1-person exterior patrols (24/7)
 - One main gate entry controller + one overwatch guard (24/7)
 - One military family housing gate entry controller (24/7)
 - One commercial vehicle gate entry controller + (1) overwatch guard + one explosive detection K9 and handler to perform commercial searches (0630 – 1600 M-F)



Contractor Security Administration and Program Management



AFMC

- **Electronic Security Systems**
- **Combat Arms, Training and Maintenance (CATM) Program Manager / Instructor**
- **Reports and Analysis**
- **SF Management Information System**
- **Resource Protection**
- **Operational Guidance and Work Instructions**





Visitor Control Center and Access Control Requirements



- **VCC is the DBIDS visitor registrar workstation**
 - Register DBIDS ID card holders, add, edit, and update personal data, manage credentials, register visitors, and issue DoD identification (IDs) and passes



- **CY 2017 VCC workload**
 - 6,055 persons processed through the VCC
 - 2,337 Common Access Cards and DoD IDs issued
 - 2,030 DBIDS credentials issued
 - 10,553 visitor photo / non-photo, distinguished visitor badges issued
 - 6,874 wants and warrants checks resulting in 193 entry denials





Traffic Safety Requirements



AFMAG

- **AFI 31-218 (I), AFMAN 31-116, Motor Vehicle Traffic Supervision, and Arnold Air Force Base Integrated Defense Plan govern and promote traffic safety on AEDC**
- **DD Form 1408, Armed Forces Traffic Tickets, issued to traffic violators**
- **Over 660K vehicles entered AEDC in CY 2017**





Security Equipment



- **Likely Government furnished***
 - Weapons / ammunition (M9s, M4s, and non-lethal weapons)
 - Patrol Boat / ATVs
 - Radio Communications
 - Explosive Detection Dog (**NOTE:** No kennel facility on base, K9 will be housed and cared for by contractor handler)

- **Likely Contractor furnished**
 - Non-tactical Security vehicles: Compliant with AFI 31-201, SF Standards and Procedures, and T.O. 36-1-191, Technical and Managerial Reference for Motor Vehicle Maintenance, properly marked “Security” and have emergency lights, sirens, and a public address system
 - Kennel run and associated canine equipment / food
 - Uniforms / Duty Gear

* A detailed listing of all GFE will be available in the competition library

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PWS 3.3 Command and Control (C2)

***Mr. Brian Allen
AEDC/CP***

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Overview



- **Job Descriptions**
- **Additional Responsibilities**
- **Organization**
- **C2 Element and Operations Center Duties**
- **Administrative Support**
- **Summary**



Job Descriptions



- **Manager**
 - Responsible for all functions within the Operations Center / C2 Element
- **Training / security manager**
 - Responsible for all Operations Center and C2 Element training / security
- **Supervisor / C2 operations**
 - Manages day-to-day Operations Center activities and responsible for C2 matters
- **Controllers**
 - Minimum of two controllers per shift
 - One must be qualified IAW training plan
 - Capability to surge during emergencies, exercise, or as situation dictates



Additional Responsibilities



- **Crisis action team (CAT) liaison**
 - Supports Commander's CAT
 - Ensures CAT room is operational (phones, computers, displays, etc) and may be called on to brief the Commander and CAT or give updates
 - Trains the Commander's CAT support team
- **Threat Working Group (TWiG)**
- **Emergency Management Working Group (EMWG)**



Organization



- **Reporting chains**
 - **Operations Center - contractor**
 - **Testing**
 - **Resources**
 - **Mass notifications**
 - **C2 Element – Installation Commander**
 - **Operational reporting (OPREPs)**
 - **CCRI's and SITREP's**
 - **Recalls**
 - **Emergency action messages**



C2 Element Responsibilities



- **C2 Element**
 - Administers a **locally devised** training program for selected C2 duties
 - Monitors/responds to emergency action conference/messages
 - Performs operational reporting
 - Operational reports (OPREPs)
 - Commander critical information requirement (CCIRs)
 - Situational report (SITREP)
 - Performs personnel recall procedures
 - Operates required C2 communications
 - Monitors classified/unclassified systems, responds, and relays
 - Administers Installation Notification Warning System (INWS)
 - Ensures compliance with Communications Security (COMSEC), Information Security (INFOSEC), Operations Security (OPSEC), and physical security requirements
 - Tracks and updates test cell / plant facility status



Operations Center Responsibilities



- **Operations Center**

- Monitors Energy Management Control System for critical alarms
- Schedules **real-time** resources (electricity, water, gas, GN2, fuel, steam, high pressure air [HPA])
- Update and distribute resource requirements
- Accomplish quick reaction checklists (QRC)
- Updates the automated scheduling system – Current day +1
- Acts as work control **during off-shift and weekends**
- Logs event/action in the Arnold Spill Action Plan (ASAP)
- Monitors weather systems – notifies/alerts personnel
 - Lightning, tornados, and other severe weather (hail, thunderstorms)
- Prepare daily Morning Report
- Monitor land mobile radio (LMR) network and provide assistance/information as needed



Summary



- More of a C2 (Command and Control) center than a traditional USAF Command Post
- Will NOT follow AFI 10-207 to the letter, especially training requirements, but will have an AEDCI 10-207 which is based on AFI, for guidance
- Will NOT make changes to the 2 week schedule, only updates on the current day's schedule plus 1 day.
- Average Calls per year – 25,000
- Number of QRC's accomplished – 400+
- Number of log Entries made – 10,000+
- **MAY** be an Ops Center Role for the airfield in the near future (2019-2020)

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PWS 3.4 Fire and Emergency Services (FES)

***Mr. Neil Felver
AEDC/TSDCX***

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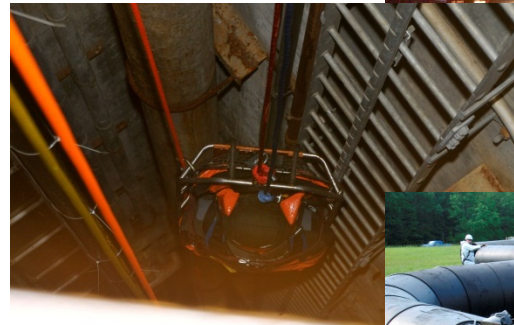


FES Key Products and Services



AFMC

- Emergency response (including Advanced Life Support [ALS] ambulance)
- Fire prevention and education
- Fire prevention inspections
- Confined space rescue
- Technical rescue
- HazMat operations (offensive / defensive)
- Grass and brush fires
- Pre-incident planning
- Training
- Dispatch
- Mutual aid





Fire and Emergency Services

“Always Ready”



AFMG

- **Staff is fully trained and certified in accordance with (IAW) DoDI 6055.06-M**
- **Staff provides all core services listed in AFI 32-2001 para 2.1.1 dated 27 February 2014.**
- **The service provider will also be responsible to provide these non-core services**
 - **Hazardous material offensive operations**
 - **Technical rescue (confined space, high angle)**
 - **Emergency medical response to the ALS level**
- **Mandatory Publications**
 - **DoDI 6055.06 *DoD Fire and Emergency Services Program***
 - **DoDI 6055.06-M *DoD Fire and Emergency Services Certification Program***
 - **AFI 32-2001 *Fire and Emergency Services Program***



Fire Management Staffing



AFMC

- **Provides administration, communication, oversight and supervision**
- **Management staff**
 - Fire chief
 - Deputy fire chief
 - Operations assistant fire chiefs
 - Training assistant chief
 - Health and safety assistant chief
 - Fire prevention assistant chief
- **Administrative staff**
 - Fire inspectors
 - Emergency Communications Center (ECC) dispatchers
 - Administrative assistant



Fire Operations Staffing



AFMC

- **Provide on-site staffing / emergency response IAW DoDI 6055.06 (2006 Edition) as implemented by the Department of Defense**
- **Arnold AFB classification is a “structural” only base**
 - Minimum acceptable number of firefighters for Optimum Level of Service (OLS) is 13 on duty
 - Service provider expected to staff to this level
- **Ambulance / medical response to ALS**
 - Minimum acceptable number of personnel is two on duty
 - Not included in 13 above



ECC / Fire Prevention/ Fire Training Staffing



AFMC

- **ECC / fire prevention / fire training will be staffed IAW DoDI 6055.06 (2006 Edition) and certified to DoDI 6055.06M**
 - **Minimum acceptable ECC manning - 1 dedicated fire dispatcher on duty at all times**
 - **Fire prevention has 2,959,269 sq. ft. of facilities, including a geographically separated unit (GSU) in White Oak MD**
 - **Fire training manages and administers all aspects of the FES training IAW the USAF Annual Training Plan, the DoD FES Certification Plan, and applicable National Fire Protection Association (NFPA) Standards**



Fire Vehicles and Equipment



- **Most Likely Government Furnished***

- Fire station facility (15,636 SF)

One P-19 crash vehicle	One P-19 Stryker
Two P-22 Engines	One P-24 Engine
One P-28 heavy rescue vehicle	One P-26 water tanker

- **Most Likely Contractor furnished**

- Two Advanced Life Support Ambulances
- Two Command Vehicles
- Any others vehicles as needed
 - Example (Fire Prevention, HazMat)
- Operating supplies
- Training expenses
 - Formal and recurring
- NFPA code compliance uniforms

* A detailed listing of all Government furnished equipment (GFE) will be available in the competition library

Arnold Engineering Development Complex



U.S. AIR FORCE

PWS 3.5 AAFB Environmental Program

***Mrs. Shannon Allen
AEDC/TSDCI***

Integrity - Service - Excellence



Installation Management Section



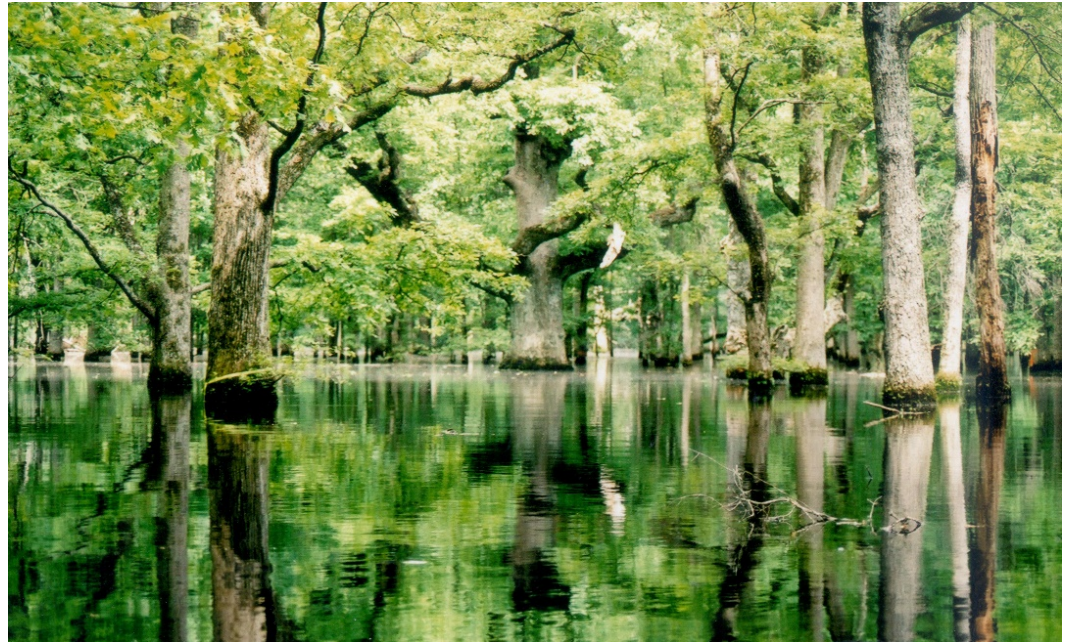
AFMC

Mission:

Support AAFB Mission by ensuring compliance with environmental laws and regulations and fostering stewardship of AAFB's Natural Infrastructure.

Major Program Areas:

- **Environmental Management**
- **Pollution Prevention**
- **Environmental Compliance**
- **Resource Management**





Installation Management Section



- **Permits**
 - **National Pollutant Discharge Elimination System (NPDES) permit - expired 30 Nov 17**
 - **Multi-sector storm water permits – Tennessee Department of Environment and Conservation (TDEC) general permit**
 - **Asbestos, construction, and demolition landfill**
 - **Painting and blasting area; Housing storm water**
 - **State operating permit – expires 30 Apr 22**
 - **Arnold Village wastewater treatment system**
 - **Title V air operating permit – expires 21 Jun 22**
 - **Underground injection control permit – expires 28 Jun 18**
 - **Construction and debris (C&D) landfill permit – non-expiring**
 - **Asbestos landfill permit – non-expiring**
 - **Hazardous waste storage permit - expires 30 Sep 18**
 - **Wellhead protection plan – expires May 18**



Installation Management Section



- **Regulatory requirement plans**
 - **Local Running Annual Average (LRAA) Disinfection Byproducts Monitoring Plan (Stage 2)**
 - **Spill Prevention Controls And Countermeasures Plan**
 - **Facility Response Plan**
 - **Hazardous Waste Management Plan**
 - **Hazardous Waste Reduction Plan**
 - **Solid Waste Management Plan**
 - **Storm Water Pollution Prevention Plan**
 - **Aboveground Storage Tank Compliance Plan**
 - **Wellhead Protection Plan (Golf Course)**
 - **Integrated Natural Resources Management Plan**



Installation Management Section



- **Annual Registrations**
 - Water withdrawal registration – January
 - Used oil recycling facility – inactive – non-expiring
- **Environmental Compliance Assessments**
 - Annual assessment of base zones
 - Quarterly shop level Management Information Control Tool (MICT) inspection – Stage 1
 - Support regulatory agency inspections
 - Environmental Baseline Surveys
- **Environmental Impact Analysis Program (EIAP)**
 - Web-based AF Form 813 management tool
 - Automated processing and tracking (~100 annually)
 - Correlates associated open environmental actions
 - Example: Required Section 106 consultation with TN SHPO



Wastewater Program



- **National Pollutant Discharge Elimination System (NPDES) Permit**
 - Regulates discharge of industrial and sanitary wastewater (Rowland Creek is primary outfall)
 - Average 22 MGD discharge
 - Renewal in progress
- **Arnold Village recirculating sand filter state operating permit**
 - Average 10,300 GPD discharge
- **Two multi-sector storm water permits**

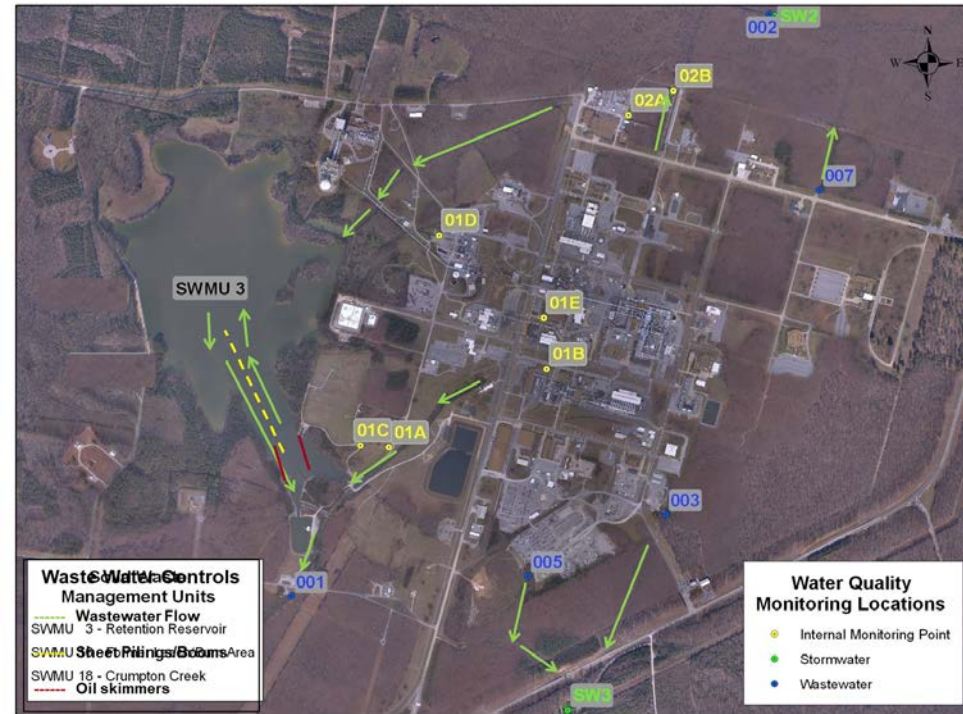


Wastewater Monitoring and Reporting Requirements



AFMC

- **Permit outfalls**
 - Five outfalls from industrial area
- **Internal monitoring locations**
 - Five internal locations
 - Monitor for flow, temp, pH, and chlorinated solvents
 - Monitor ranges from bi-weekly to quarterly
- **Monthly discharge monitoring reports (DMRs)**
- **Monthly operating report (MOR)**
- **Whole effluent toxicity testing**
- **Woods Reservoir fish tissue sampling**





Drinking Water



AFMC



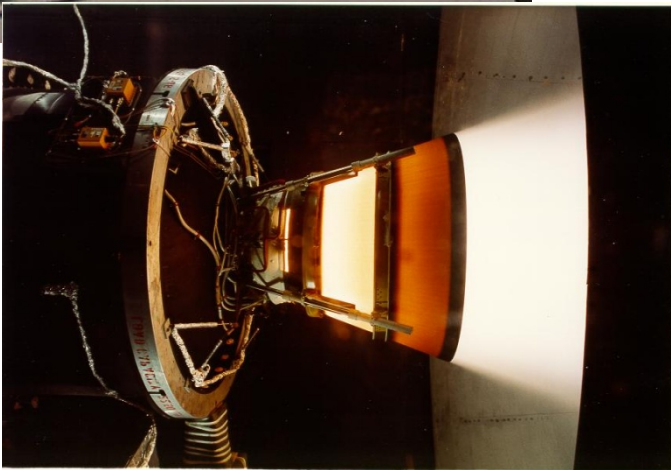
- **Main base water treatment plant**
 - Design capacity is 2.16 MGD
 - Typically process 0.5 to 0.8 MGD
 - Classified as a non-transient, non-community system potable water system (PWS)
- **Golf course drinking water supply well**
 - Classified as a transient, non-community PWS
 - Average 600 GPD
- **Arnold Village water supply purchased from Estill Springs**



Air Quality



AFMC



- **Title V permit issued in 22 June 17**
 - Expiration: 21 Jun 22
 - Renewal application: 24 Sep 21
 - Permit mods as required
 - 24 permitted air sources
 - Semi-annual reports (SARs) and annual compliance certification (ACC)
- **Emitted ~ 209 tons in 2016**
 - Varies by test load/year
- **Favorable regional air quality**
 - Attainment Area
- **No impending regulatory changes that could constrain mission capacity**



Storage Tank Program



AFMC



- **Spill Prevention, Control, and Countermeasure (SPCC) plan contains above ground storage tank (AST) requirements**
 - Includes Field-Erected, Shop-Built, Portable, and Oil-filled Equipment
 - Monthly inspections per Steel Tank Institute and American Petroleum Institute
 - Fuel Storage Capacity: ~2M gallons
 - Oil Capacity: ~750K gal stored in >300 pressurized hydraulic systems



Solid Waste Management



AFMC



- **Construction and demolition (C&D) landfill**
 - Remaining useful life estimated at 12.5 years
- **Asbestos landfill**
 - Remaining useful life estimated at 17 years
- **Special waste handled on case-by-case basis**
- **General refuse (solid waste) is disposed of at Marion Environmental Landfill in Chattanooga**





Hazardous Materials Management



- **Base Hazardous Materials (HM) Management Program**
 - **Focal point for approval of all HM usage**
 - All base operations as well as outside contractors
 - Use the Air Force Enterprise Environmental Safety Occupational Health – Management Information System (EESOH-MIS) to manage and approve HM use on base
 - Coordinates HM purchase and issue with Logistics
- **Support provided to:**
 - Hazardous materials incident response
 - Ozone depleting substances (ODS) management
 - Toxic release inventory (TRI) annual report preparation



Hazardous Waste (HW)



AFMC



- **Large quantity generator**
 - Ave 74,000 lbs of RCRA HW per yr (2013-2017)
- **TDEC HW storage permit**
 - Store up to 1,044 drums for 1 yr
 - Facility also stores TDEC- regulated special waste and other regulated wastes
 - Renewal in progress
- **Three 90-day accumulation points**
- **Seven initial accumulation points**
- **HW managed with AF EESOH-MIS**
- **Waste Disposal thru DLA-DS**



Recycling



- **Qualified recycling program**
 - **Managed by AAFB Services**
 - Cardboard, mixed paper, plastic, cans, tires, toner cartridges, empty steel oil drum crushing
 - **Contractor Operations**
 - Scrap metals, wood waste, batteries, used oil



Natural Resources



AFMC

- **Ecosystem Management**

- T&E Species - Gray Bat, Indiana Bat, Northern long-eared Bat
 - Biological Opinion issued in 2016
- 133 State Listed plants/animals
- 23,000 ac hardwoods, 2,000 ac wetlands, 171 mi of streams
- Barrens Restoration ~ 5,000 ac
- Timber Harvest Program ~ 5,000 ac Pine
- Prescribed Fire Program via AF Wildland Fire Branch
- Annual research projects, external management contracts, additional cooperators/partnerships

- **Integrated Natural Resources Management Plan**

- Cooperators: USFWS & TWRA





Cultural Resources Program



AFMC

- **Historic Properties:**
 - 2014 Programmatic Agreement with Tennessee State Historic Preservation Office
 - 87 NRHP-eligible facilities
- **Archaeological Sites:**
 - 187 sites identified: 12 NRHP eligible, 127 not eligible, 47 potentially eligible
- **Tribal Relations:**
 - 15 consulting tribes
 - MOU development underway (expired FY15)
 - Installation Tribal Relations Plan development underway (new requirement)



Arnold Engineering Development Complex



U.S. AIR FORCE

PWS 3.6 Safety

***Mr. Jim Raabe
Chief of Safety
AEDC/SE***

Integrity - Service - Excellence



Agenda



- **Introduction**
- **AEDC Hazards**
- **Safety Program Responsibility**
- **Contract Requirements**



**These are the
names of the 16
AEDC employees
who lost their lives
while on the job.**

**All fatalities were
preventable!**





Industrial Hazards



- **Hazards at AEDC include but are not limited to:**
 - **Chemicals**
 - **Compressed air**
 - **Gaseous**
 - **Cryogenics**
 - **Trip / slip / falls**
 - **Heights**
 - **High temperatures**
 - **Overhead**
 - **Sight**
 - **Heavy loads**
 - **Noise**
 - **Radiation**
 - **Explosive**
 - **Electrical**
 - **Lasers**
 - **Radiation**
 - **Radio Frequency**
 - **~1100 Confined Spaces**
 - **Crush / pinch**
 - **Complex LOTO**



Strong Safety Programs Needed



AFMCO

Rocket Motors



Chemicals



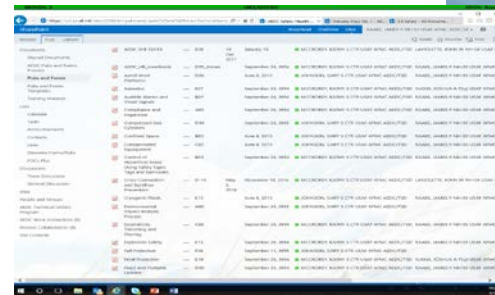
Confined Spaces



Crane Ops



54 SHE Standards



Heavy Loads



Electrical



High Pressure Air / Steam



Complex Lockout / Tagout





Contract Safety



- **FSS will support the Government by implementing several safety programs**
- **TOS responsibility areas**
 - **Occupational safety**
 - **Weapons/explosive safety**
- **Specifics**
 - **Implement an OSHA/Air Force-compliant program**
 - **Conduct base safety awareness/publicity program**
 - **Provide support to outside inspection agencies**
 - **Occupational Safety And Health Administration (OSHA)**
 - **Air Force Audit Agency (AFAA)**
 - **AFMC and AFTC**



Contract Safety (cont.)



AFMC

- **Conduct Class D, and E property damage mishap investigations and provide reports (<\$50K)**
 - **Assist Air Force Safety with Class A, B and C mishap investigations, upon request**
- **Maintain 54 AEDC Safety, Health and Environmental (SHE) Standards; coordinate 3-year reviews w/other base operating contractors**
- **Maintain Weapons Safety program**
 - **Delivery, acceptance, safe storage, rocket motor movements**
 - **Spot inspections**



Contract Safety (cont.)



- **Administer base hazard abatement plan**
- **Prioritize and track hazards**
- **Inform contractor workforce of requirements in AFI 91-207, USAF Traffic Safety**
 - **Seatbelt use, motorcycle PPE, cellphone usage, etc.**
- **Support semi-annual ESOH Council meetings - Council summarizes overall safety program effort**
- **Conduct / track safety training for FSS contractors**



Contract Safety (cont.)



AFMC

- **Implement annual/spot safety inspection program for all Arnold AFB, NFAC and T-9 facilities**
 - **~405 facilities at Arnold AFB – many are industrial**
 - **Facilities include industrial, test, admin, storage, clubs, lodging, dam, recreational, others**
 - **Includes:**
 - **Two facilities at NFAC at Moffett Field in Mountain View CA**
 - **Three facilities at Tunnel 9 in White Oak MD**



Interaction with COR



- **Additional requirements:**
 - **Weekly meetings with COR**
 - **Monthly facility walk-through of FSS-managed areas**
 - **Periodically accompany FSS inspectors, rocket motor movements**
 - **Review/assess reports/deliverables**
 - **As-required meetings**

Arnold Engineering Development Complex



U.S. AIR FORCE

PWS 3.7 ***Industrial Hygiene***

TSgt Joshua Suggs
Bioenvironmental Engineering
AEDC/TSD-SG

Integrity - Service - Excellence



Industrial Hygiene (IH)



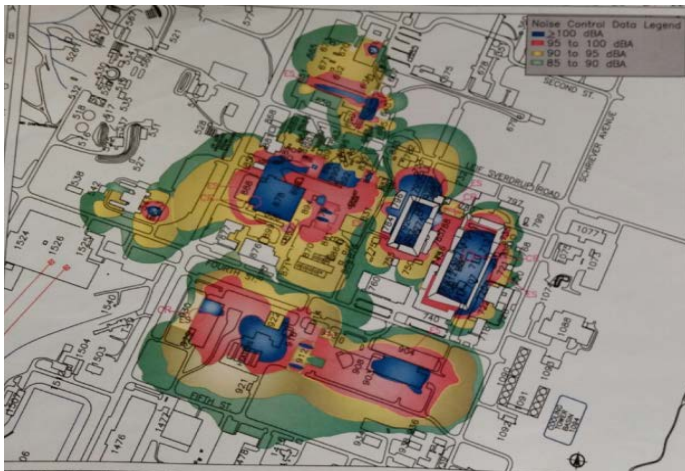
- **Separate IH requirements for contractor personnel**
- **Provide services for all Arnold AFB DoD personnel**
 - **IH assistance for AFRL, Tunnel 9, and NFAC**
- **Defense Occupational and Environmental Health Readiness System (DOEHRS) upkeep**
- **Provide support to data calls/outside inspection agencies (AF Audit Agency, OSHA, HQ Air Force)**
- **Maintain AEDC Safety, Health, and Environmental standards**
- **Maintain Government furnished equipment**



Industrial Hygiene



- **Shop Information**
 - ~73 facilities / 8 DoD shops at AEDC and Tunnel 9
 - Identify, evaluate, control, document hazards (hazard abatement plan)
 - Categorize (I, II, or III) workplaces by hazards and confidence in controls
 - Cat I – 12 months
 - Cat II – 30 months (annual ‘walk-through’)
 - Cat III – as needed (annual ‘walk-through’)
 - Compliance audit
- **Environmental analysis for issues and support**





Industrial Hygiene



AFMC

- **Special surveys/non-routine tasks**
 - Special sampling (unique or new process)
 - Ergonomic assessments
 - Test planning/operations
 - Confined space entry clearance
 - Design/construction reviews
 - Occupation illness/injury
 - Asbestos
 - 18 acres of surfacing material
 - 48 miles of pipe insulation



- Hazardous material procurement
 - Evaluate process / controls
 - Recommend suitable substitutions
- OSHA Globally Harmonized System (GHS) compliance
- Compatibility / storage





Industrial Hygiene Vulnerability Assessments



- **Annual water vulnerability assessments on base drinking water system**
- **Annual Toxic Industrial Chemical/Toxic Industrial Materials assessment on base and surrounding area**
- **Water System Backflow Prevention/Cross-Connection Surveys**
 - **5 year 100% inspection**



Industrial Hygiene Radiation Protection Program



- **Ionizing**
 - RSO/LSO trained
 - Base RSO/LSO program management
 - Training, dosimetry, surveillance, inspections
 - Licensed radioactive material
 - Iridium 192 – (4)
 - Cobalt 60 – (2)
 - Register radiation producing devices
 - Certified accelerators – (3)
 - X-ray machines – (53)
 - Generally licensed devices – (8)
- **Non-ionizing**
 - 130 Class 3B lasers
 - 39 Class 4 lasers
 - 899 RF emitters





Industrial Hygiene Emergency Response



- **Equipped and qualified 24/7 response**
 - Incident commander assistance
 - Hazard assessment/PPE recommendations
- **Emergency operations center support**





Industrial Hygiene Training



AFMC

- **Conduct/track training for AEDC DoD personnel**
 - Asbestos awareness
 - OSHA ex stds
 - Hearing conservation
 - Ergonomics awareness
 - Lead awareness
 - HAZWOPER
 - Hazardous Communication / GHS
 - Ionizing / non-ionizing radiation
 - Respiratory protection / Fit-testing
 - Laser safety



Arnold Engineering Development Complex

Logistics

- PWS 3.8 Base Supply
- PWS 3.9 Cargo Movement
- PWS 3.10 Vehicle Management



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**Mr. Erik Wineland
AEDC/TSD-LG**

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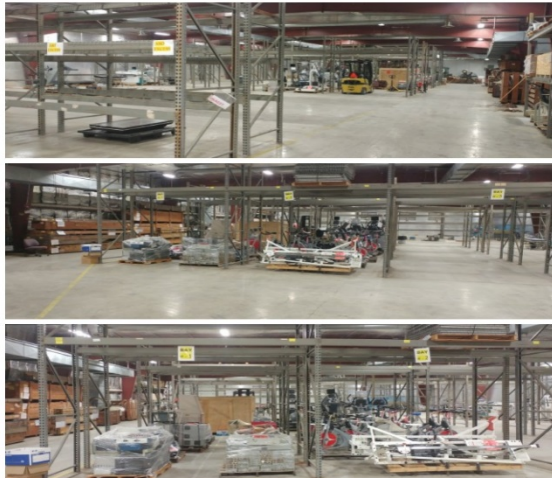


Base Supply



AFMCO

- Warehouse facilities
- Outside storage
- Flammable/Hazardous facilities
 - ~300K Square Foot





Base Supply



- **Warehouse Management**
 - **Care of Supplies in Storage (COSIS)**
 - **Supply Point & Facility Reconfiguration Item (FRI) Management**
 - **Pick-up and Delivery**
- **Material Management**
 - **Research and Cataloging**
 - **Systems, Processes and Procedures**
- **Disposal Consolidation Point (DCP)**
 - **Disposal Management**
 - **DLA Distribution Services (DLADS) Processing**
 - **Scrap Processing**



Cargo Movement



AFMC

- **Inbound**
 - **Military Standard Requisitioning & Issue Procedures (MILSTRIP) and Non-MILSTRIP**
 - **Receipt Planning**
 - **In-Checking**
- **Outbound**
 - **Military Standard Requisitioning & Issue Procedures (MILSTRIP) and Non-MILSTRIP**
 - **Shipment Planning**
 - **Packing and Crating**
- **Program Management**
 - **Wood Packaging Materials (WPM) Program Management**
 - **Personal Property**
 - **Processes and Procedures**



Vehicle and Vehicular Equipment Maintenance



- **Fleet Administration**
 - Serviceability Standards & Types of Maintenance
 - Interest Items (i.e., AF Inspection System, Green Procurement Program, etc.)
- **Managing the Vehicle Fleet**
 - Vehicle Fleet Manager/Vehicle Management Superintendent (VFM/VMS)
 - Contracting Officer Representative (COR) Oversight
 - Vehicle Control Program
 - Material Control
- **Fleet Management & Analysis**
 - Defense Property Accountability System (DPAS)
 - Workload Controller
 - General Daily Processes (i.e., Limited Technical Inspections (LTI), Time Compliance Technical Orders (TCTO), Data Analysis, AF 601s (Equipment Action Request), etc.)
- **Vehicle Operations Support**
 - Vehicle Operations Control Center (VOCC)
 - School Bus Service



Morning Wrap Up and Bus Tour



Bus Tour



- **Must be US Citizens**
- **Tours will depart and return to the GLC**
- **Take index cards to write questions on during the tours, drop in trays at GLC**
- **We will not be departing the bus**
- **Tour will take approximately 1 hour**
- **We will offer more detailed tours at other Industry Days**



AFTERNOON SCHEDULE



AFMC

1200 – 1300	Lunch	
1300 – 1415	Tour A	1:00 – 2:15
1430 – 1545	Tour B	2:30 – 3:45
TBD	Tour C	TBD
1600 – 1615	Wrap Up	4:00 – 4:15



Thank You
for Supporting AEDC's
Facility Support Services
(FSS) Industry Day No. 1