

Jurisdictional Land Use Control Implementation Training

Hosted by Fort Ord Reuse Authority (FORA)

Presented by FORA ESCA Team

March 13, 2018

Presented to Monterey Peninsula College

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Introduction and Overview

Seminar Purpose:

- Provide Land Use Control (LUC) implementation information, tools and methods
- This seminar will provide:
 - Overview of Final LUCs Remedy
 - Overview of LUCs/Institutional Controls
 - LUCs Operations and Maintenance Requirements

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ESCA Overview

- Army and FORA entered ESCA 2007
- ESCA mechanism allows the US government to provide funding to FORA for munitions removal
- FORA ESCA Remediation Program addresses residual safety issues from former US Army munitions training on future economic development parcels
- FORA ESCA Responsibilities:
 - Abide by state and federal Superfund regulations
 - Meet the same munitions remediation standards as the Army
 - · Maintain a community outreach program
 - · Monthly programmatic reporting to EPA

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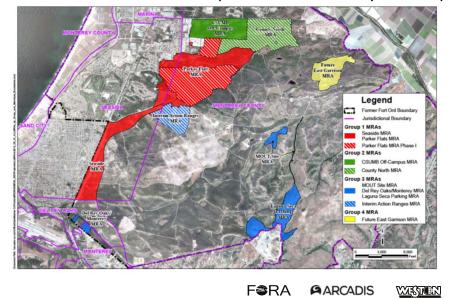
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ESCA Munitions Response Areas by Group

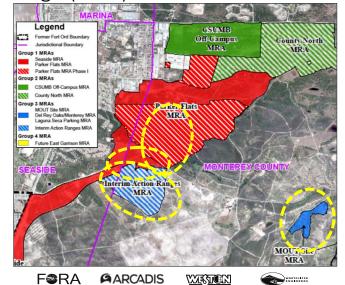


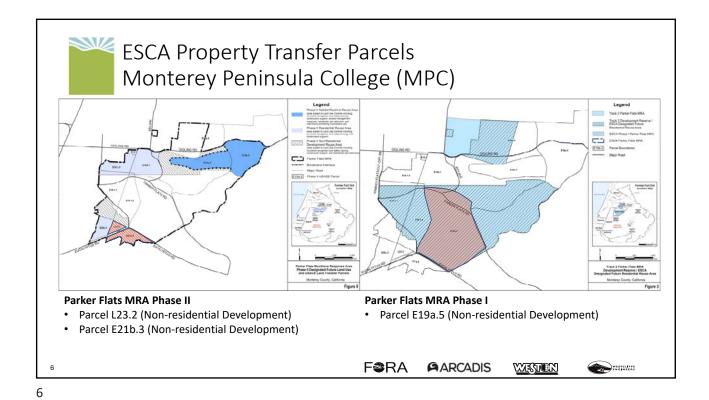
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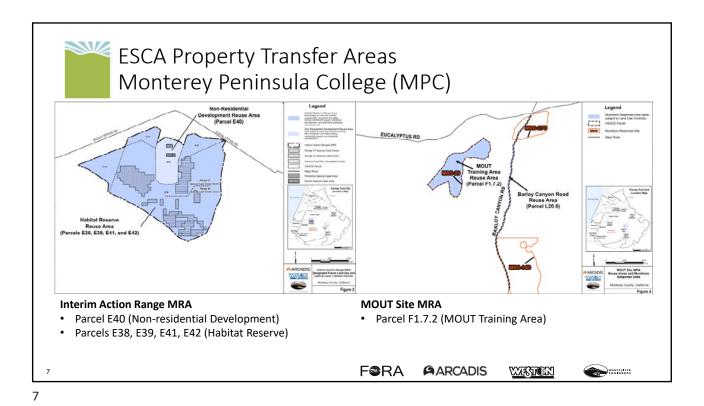


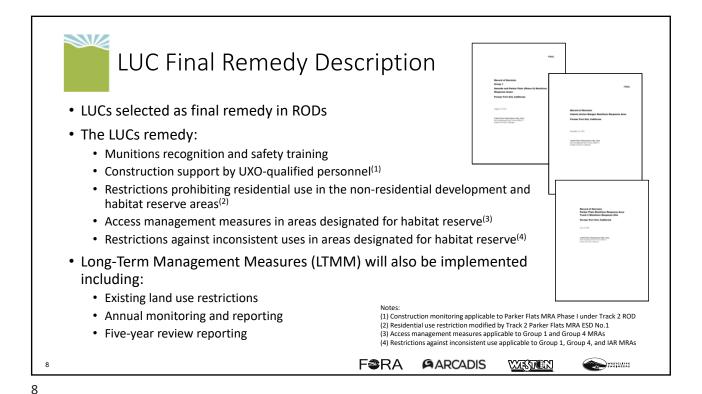
ESCA Munitions Response Areas Monterey Peninsula College (MPC)

- Parker Flats MRA
 - Parker Flats MRA Phase I
 - Track 2 Parker Flats (Aug 2008)
 - · Explanation of Significant Differences No. 1 (May 2018)
 - · Parker Flats MRA Phase II
 - Group 1 ROD (Sept 2018)
- Interim Action Range MRA
 - Interim Action Range MRA ROD (Dec 2016)
- MOUT Site MRA
 - Group 3 ROD (Oct 2014)











Land Use Controls - Purpose

- ESCA munitions cleanup completed:
 - · All detected munitions removed
 - Though not expected, munitions may remain present
- LUCs remedy selected to address remaining MEC human health and environmental risks
- LUCs implementation
 - Property owners obligated to maintain LUCs
 - Per federal regulations, LUCs must be implemented
- Non-compliance liability

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LUCIP/OMP Roles and Responsibilities

Organization	Roles & Responsibilities	Authority	
Army BRAC	Ensure protectiveness of remedy Army Obligations per ESCA	• FFA • ESCA	
EPA Region 9	Lead regulatory agency	FFA / AOC	
DTSC	Regulatory concurrence CRUP enforcement	FFA / AOC CRUP MOA w/DTSC	
FORA	LUC remedy implementation Annual LUC status reporting	AOC ESCA MOA w/DTSC	
County & Cities	Enforce Digging & Excavation Ordinance Maintain and enforce deed restrictions Maintain LUC remedy Annual LUC monitoring and reporting	Municipal Code MOA w/DTSC	
MPC & CSUMB	Maintain and enforce deed restrictions Maintain LUC remedy Annual LUC monitoring and reporting		
Property Owners	Comply with LUCs, deed restrictions, CRUP	Property Deed CRUP	
FFA = Federal Facility Agree AOC = Administrative Order MOA = Memorandum of Agre	on Consent CRUP = Covenant to Restrict Use of Property		

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LUC Operation and Maintenance (LUC O&M)

LUCIP/OMP Section 5: LUC Operation & Maintenance

- Presents responsibilities for actions to facilitate long-term compliance with LUC remedy objectives
- Responsibilities include implementing, monitoring, inspection and reporting, and enforcement
- Identifies specific LUC implementation responsibilities by organization
 - FORA responsibilities
 - County, Cities, MPC and CSUMB responsibilities
 - · Property recipient responsibilities (property owners)
 - · Army responsibilities







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ESCA LUCIP/OMPs Monterey Peninsula College Property

Munitions Response Area	MPC Parcels	Record of Decision	LUCIP/OMP
Parker Flats MRA Phase I	E19a.5	Track 2 Parker Flats MRA ROD (OE-0661); EDS No.1, Track 2 Parker Flats MRA ROD (ESCA- 0356)	RD/RA, LUCIP/OMP, Parker Flats MRA Phase I (ESCA-0166)
Parker Flats MRA Phase II	E23.2, E21b.3	Group 1 ROD (ESCA-0359)	Group 1 LUCIP/OMP, Seaside and Parker Flats (Phase II) MRAs
Interim Action Ranges MRA	E38, E39, E40, E41, E42	IAR ROD (ESCA-0331)	Interim Action Ranges MRA LUCIP/OMP (ESCA-0337B)
MOUT Site MRA	F1.7.2	Group 3 ROD (ESCA-0293)	Group 3 LUCIP/OMP, Del Rey Oaks / Monterey, Laguna Seca Parking, and MOUT Site MRAs (ESCA-0301B)

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LUC O&M Responsibilities: Cities, County, MPC and CSUMB

- ESCA property comes with obligation to maintain LUCs
- Land use decisions are made by jurisdictions
 - Base Reuse Plan lays out the template for reuse
 - · Jurisdictions make final reuse decisions
- <u>Jurisdiction</u> responsibilities in implementing LUCs
 - Annual and on-going monitoring and reporting requirements
 - · Property transfer requirements
 - Project and activity specific requirements (construction support, use restrictions)
 - · Suspect munitions item finds responsibilities
- Property owner responsibilities in implementing LUCs
 - · Jurisdictions, as property recipients, must comply with landowner responsibilities



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Kuc O&M Requirements: Cities, County, MPC, and CSUMB

- MEC Recognition and Safety Training (County and Cities)
 - · Annual property owner notification of training requirements
- Construction Support (County and Cities)
 - Monitor and enforce excavation permit requirements under the digging and excavation ordinance
 - Consultation with Army, EPA and DTSC on construction support requirements prior to issuing excavation permits
 - · Ensure Construction Support After Action reporting
 - · Annual monitoring and reporting of construction support activities
- Use Restrictions: Residential & Habitat Reserve
 - · Maintain use restrictions in property deeds & monitor compliance
- Annual LUC Monitoring and Reporting
 - · Conduct annual LUC inspections and status reporting

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LUC O&M Requirements:

Property Recipient

- MEC Recognition and Safety Training
 - Ensure property users are aware of and comply with training requirements
 - Annually deliver copy of MEC Safety Guide to site workers
 - · Document and maintain records of compliance with training requirements
- Construction Support
 - Comply with excavation permitting and construction support requirements
 - · Retain UXO contractor to provide construction support services, when required
- Use Restrictions: Residential & Habitat Reserve
 - · Comply with use restrictions during use of the property
 - Maintain use restrictions through future property transfers
- Annual LUC Monitoring and Reporting
 - Cooperate with County and Cities in conducting annual inspections of property to verify compliance with LUCs, deed restrictions, and CRUP

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LUC O&M Activities:

Cities, County, MPC, and CSUMB

- Yearly & Ongoing Requirements
 - · Annual Landowner Notifications (Cities, County)
 - Annual LUC Compliance Monitoring and Reporting
 - Site worker Munitions Safety Training Requirements
 - Maintain Property Use Restrictions
- Property Transfer Requirements
 - Maintain Use Restrictions in Deeds
- Project and Activity Specific Requirements
 - Construction Support Requirements (Decision Tree)
 - Construction Support Templates (On Call Construction Support Plan)
- Suspect Munitions Item Finds Responsibilities
 - Response to Suspect Munitions Finds

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LUC Operation and Maintenance

Yearly and Ongoing Requirements

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Yearly Activities:

Notifications and Munitions Safety Training

- Annual Notifications to Property Owners
 - County and Cities required to notify property owners of requirements of Digging and Excavation Ordinance, including munitions recognition and safety training
- Annual Munitions Safety Training Requirements
 - Property owners required to deliver a copy of <u>MEC Safety Guide and Army's MEC Safety Alert</u> to all personnel conducting ground-disturbing or intrusive activities
- Annual Reporting

MPC, CSUMB, County and Cities required to monitor training compliance and report appeals.

report annually



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Ongoing Activities:

Worker Munitions Safety Training

- MEC Safety Guide & Army's MEC Safety Alert pamphlet
 - Required to be provided annually to all workers conducting ground-disturbing or intrusive activities
- Web-based Munitions Recognition and Safety Training (www.fortordsafety.com)
 - Required for workers involved in projects requiring construction
 - · Available in English and Spanish
 - · Available (and recommended) for all workers
- Construction Support Site-Specific Worker Training
 - Required for workers involved in projects under a construction support plan



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Yearly Activities:

Annual Land Use Compliance Monitoring

- · Annual Review of Property Filings
 - MPC, CSUMB, County and Cities required to review deeds, deed amendments and other property filings to ensure use restrictions, LUCs and State CRUP restrictions maintained and report annually
- Annual Property Inspections
 - MPC, CSUMB, County and Cities required to perform annual physical property inspections to ensure use restrictions, LUCs and State CRUP restrictions maintained
- Annual LUC Reporting
 - MPC, CSUMB, County and Cities required to report annually as component of Fort Ord Land Use Covenant Annual Monitoring Report

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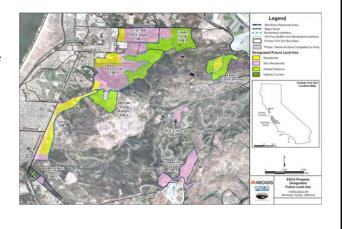
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Ongoing Activities: Maintain Use Restrictions

- Maintain Residential Use Restriction
 - · Property owners (including MPC, CSUMB, County and Cities) will comply with residential use restrictions during use of the property
- · Maintain Habitat Reserve Area Use Restriction
 - · Property owners (including MPC, CSUMB, County and Cities) will comply with restrictions against inconsistent uses (applicable to habitat reserve areas) during use of the property
- Access management measures
 - Property owners (including County) will maintain access management measures (applicable to Group 1 and Group 4 habitat reserve areas)



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LUC Operation and Maintenance

Property Transfer Responsibilities

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Property Transfer Responsibilities

- FORA Planned Property Conveyance
 - · FORA notification to Army, EPA and DTSC of intended transfer
 - · Notice to describe how LUCs will continue to be implemented
 - FORA to ensure use restrictions, LUCs and State CRUP restrictions maintained in deeds
- Jurisdiction and Future Property Conveyances
 - Property owner (including MPC, CSUMB, County and Cities) notification to recipient of the property use restrictions and LUCs and State CRUP compliance requirements
 - County and Cities monitor property transfers to ensure use restrictions, LUCs and State CRUP restrictions maintained in future deeds
 - MPC, CSUMB, County and Cities annual notification to Army, EPA and DTSC of property transfers as component of Fort Ord Land Use Covenant Annual Monitoring Report



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LUC Operation and Maintenance

Project & Activity Specific Responsibilities

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Project & Activity Specific Requirements

- Use Restrictions: Residential & Habitat Reserve
 - Property owner (including MPC, CSUMB, County and Cities) ensure planned project is in compliance with applicable residential and habitat reserve area use restrictions
- Digging and Excavation Ordinance
 - Property owner (including MPC, CSUMB, County and Cities) comply with excavation permitting requirements for all projects and activities
- Construction Support
 - Property owner and/or land user retains UXO contractor to provide construction support services

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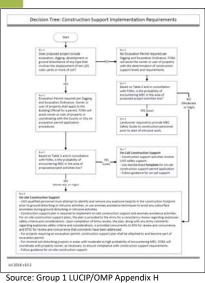
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Construction Support Implementation Requirements Decision Tree



Main Considerations:

- How big is the project?
- Where (jurisdiction) is project located?
- What is the probability of encountering MEC at the site?

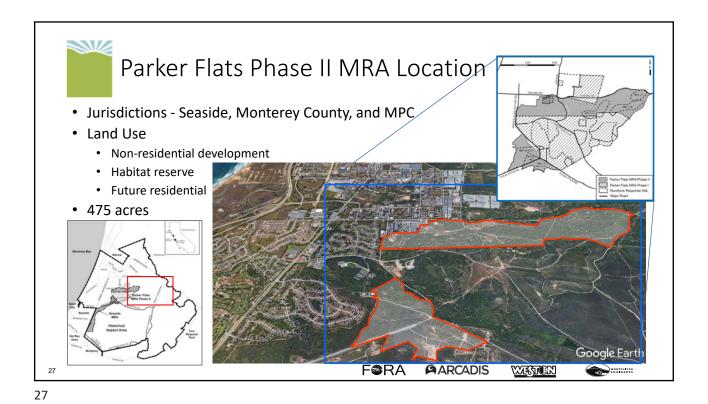
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Parker Flats Phase II MRA
Designated Future Land Use

Legend
Phase II Habitat Reserve Reuse Area
(area subject to Land Use Controls including construction support, access management measures, residential use restriction, and restrictions profileting increasities true)
Phase II Residential Reuse Area
(area subject to Land Use Controls including construction support, access management measures, residential use restriction, and restrictions profileting increasities true)
Phase II Non-Residential Development Reuse Area
(area subject to Land Use Controls including manaforts recognition and safety training, and

Development Reuse Area
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Development Reuse Area
(area Subject to Land Use Controls including manaforts recognition and safety training, and

City of Seaudie

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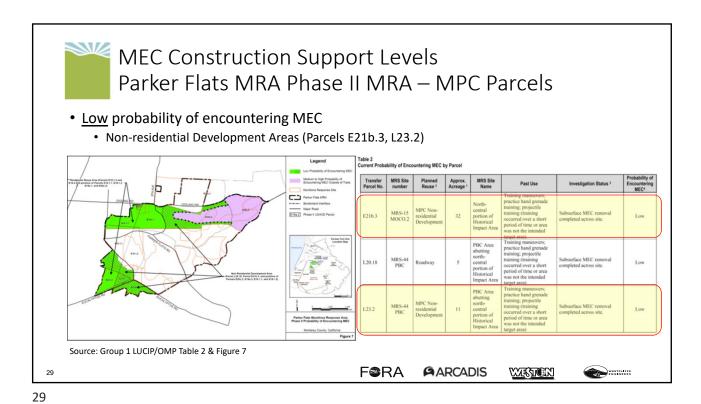
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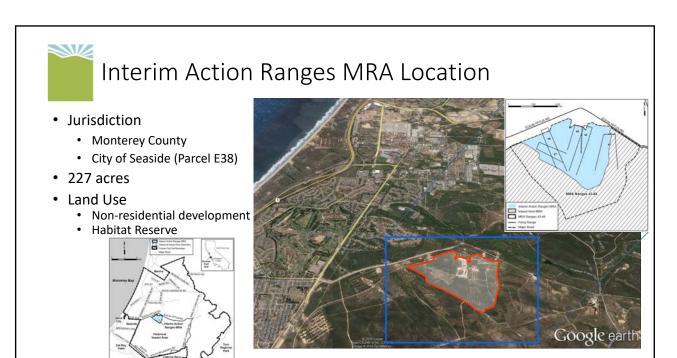
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MEC Construction Support Levels Parker Flats MRA Phase I Jurisdiction Monterey County · City of Seaside Land Use Future residential Non-residential development Habitat Reserve Construction Support Level • "Construction Monitoring" Source: Parker Flats Phase I LUCIP (ESCA-0166) Figure 3 F≇RA **ARCADIS** WESTON

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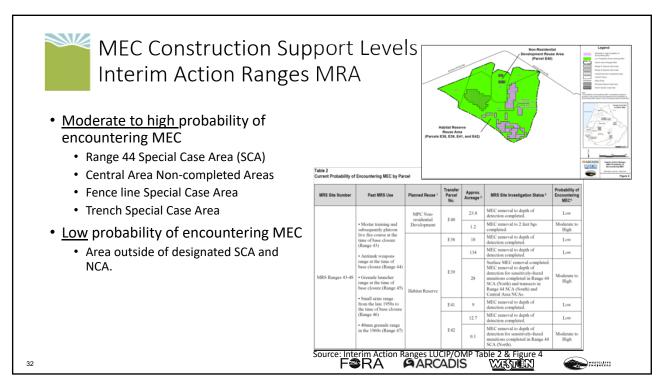
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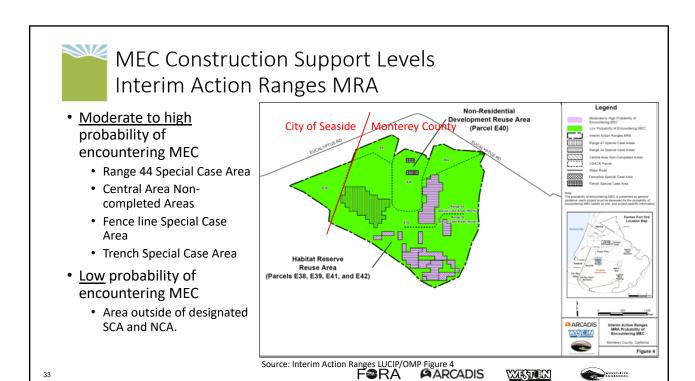
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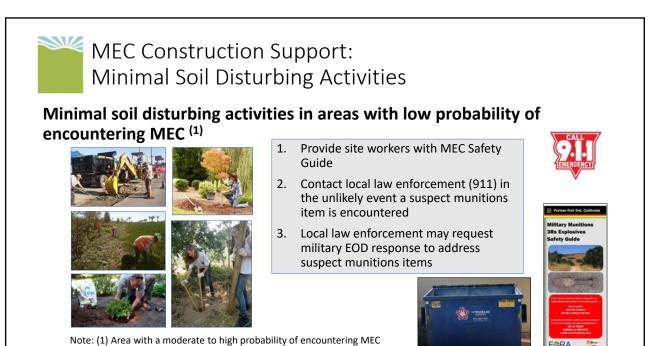
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require On-site Construction Support or Anomaly Avoidance.



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MEC Construction Support: **Anomaly Avoidance Support Requirements**

Anomaly Avoidance Support(1)









- Excavation Permit(2)
- Anomaly Avoidance Plan (abbreviated On-Site Construction Support Plan)
- Worker munitions safety training
- UXO support contractor uses anomaly avoidance techniques to avoid any subsurface anomalies during ground-disturbing or intrusive activities
- In unlikely event MEC or suspect MEC items encountered, local law enforcement responds and may request military EOD response

- (1) Any soil disturbance in areas with a moderate to high probability of encountering MEC.
- (2) Excavation Permit not required for projects with minimal soil disturbance (<10 cy)

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MEC Construction Support: On-site Construction Support Activities

On-site Construction Support(1)



- 1. Excavation Permit⁽²⁾
- 2. On-Site Construction Support Plan
- 3. Worker munitions safety training
- 4. UXO support contractor attempts to identify and remove any explosive hazards in construction footprint prior to ground-disturbing activities
- After explosive hazards removed, UXO support contractor on standby to assist if suspect munitions items encountered
- UXO support contractor will address MEC items recovered

- (1) Any soil disturbance in areas with a moderate to high probability of encountering MEC.
- (2) Excavation Permit not required for projects with minimal soil disturbance

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LUC Operation and Maintenance

Response to **Suspect Munitions Finds**

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Response to Suspect Munitions Finds

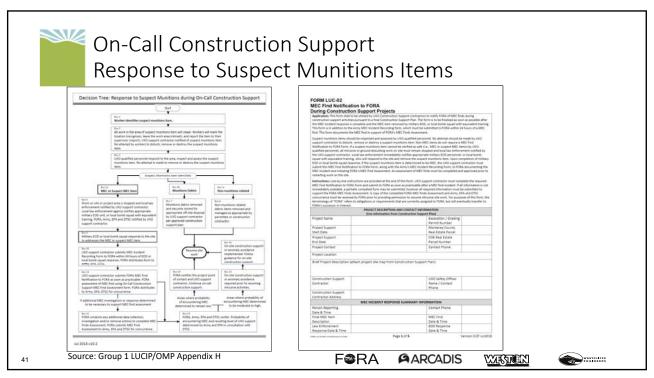
- Three scenarios for response to suspect munitions items
- Standard procedure for encounters with suspected items
 - Stop work in vicinity of suspect munitions item
 - · Immediately notify local law enforcement
 - Local law enforcement secures site and request DoD response
- On-call Construction Support
 - Stop work in work in area of suspect munitions item
 - · Immediately notify UXO support contractor
 - · UXO-qualified personnel inspect and assess suspect item
 - Confirmed MEC, all work stops at site, notify local law enforcement
 - Local law enforcement secures site and requests DoD response
- On-site Construction Support
 - Process to be included in On-site Construction Support Plan

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