



Findings and Lessons Learned at the Massachusetts Military Reservation

2 February 2006



Agenda



- **MMR background**
- **Explosives findings and lessons learned**
- **Munitions findings and lessons learned**
- **Perchlorate findings and lessons learned**
- **Investigation and cleanup**
- **Community and regulator relations**
- **Miscellaneous**



MMR Background



- **Historic activity**
- **Current activity**
- **Environment**
- **Contamination**
- **Community relations**
- **Regulatory framework**

Explosives Findings and Lessons Learned



- **Sources of contamination**
- **Sampling and analysis**
- **Fate and transport**
- **Contaminants of concern**
- **Treatment and disposal**



Munitions Findings and Lessons Learned



- **High Use Target Area investigation**
- **Ongoing munitions density, corrosion and loading studies**
- **Location and identification/geophysics**
- **Treatment and disposal**
- **Munitions management**

Perchlorate Findings and Lessons Learned



- Sources of contamination
- Sampling and analysis
- Fate and transport
- Treatment and disposal



Investigation/Cleanup



- **Archive search, Wide Area Site Assessment**
- **Natural resource protection and restoration**
- **Cultural resource consultation**
- **Drilling procedures**
- **Impact of UXO on investigation and cleanup**
- **Real estate activities**
- **Performance based contracts**



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Community and Regulator Relations



- **Data quality objectives/contaminants of concern**
- **Regulatory boundaries/legal basis**
- **Leadership involvement**
- **Regulator-contractor interaction**
- **Community involvement**
- **Notification protocol**
- **Cleanup progress**



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Miscellaneous



- **Defense contractor oversight**
- **Pursuit of potentially responsible parties**
- **Natural resource damages**
- **Tungsten**
- **Cost consciousness**
- **Compliance Cleanup Program**



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