



**HDS Facility Expansion
Site Review Committee**

HERITAGE DISPOSAL & STORAGE, LLC

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PRESENTATION OUTLINE

1. Factors considered in this presentation
2. #1 Economic Considerations
3. Q&A
4. #8 Enforcement Provisions
5. Q&A
6. Method of Disposal Technology
7. Q&A

FACTORS BEING DISCUSSED

#1 Economic Considerations

#8 Enforcement Provisions

Related Factors:

#5 Environmental Implications

#7 Emergency Response

#1 ECONOMIC CONSIDERATIONS

- Need for facility
- Expected profit – viability of business plan
- How will Heritage operate facility
- Effects on the community
- Compensation to local governing body
- Financial assurance at closure

NEED FOR FACILITY

- Army has over 550,000 tons of conventional munitions needing demilitarization
- Army Small Business Award – Heritage
- Recognizes best in industry existing storage and support infrastructure
- Heritage will have economically sustainable development

VIABILITY OF BUSINESS PLAN

- Initial operation based on awarded Army Small Business (SB) Contract
- SB status enhances opportunities for future contract awards
- Current award represents less than 2% of prospective Army conventional demil needs
- Facility will have capacity for additional federal, state, and private material treatment

HOW WILL HERITAGE OPERATE FACILITY

- Heritage will manage and operate facility
- Hire and train local operations staff
 - Above 90% of hires from local and Nebraska
 - Specialized safety, technical, and professional skills positions may be sourced national
- Daily, weekly, monthly operating and performance monitoring

EFFECTS ON THE COMMUNITY

- Creates over 12 management positions
- 50 FTE and 12 PTE jobs
 - SCA wage rates or hire with competitive benefits package
 - Range \$50K to \$100K annual salaries
 - Over \$3.5M annual payroll
- Three times multiplier in positive economic impact
- Compensation to local governing body through property and sales taxes

FINANCIAL ASSURANCE AT CLOSURE

- RCRA requirement for funds for closure and decommissioning of TDS Facilities
- Ensures community is not impacted by contaminated infrastructure

Questions?

#8 ENFORCEMENT PROVISIONS

Presentation given by NDEQ staff

Questions?

METHOD OF DISPOSAL TECHNOLOGY

- NO open burn (OB) or open detonation (OD)
- Thermal treatment (rotary kiln) with APC
- Chem demil versus conventional demil
- US Government review of technologies:
 - Electrochemical oxidation
 - Biological degradation
 - Chemical reduction
 - Hydrothermal oxidation
 - Thermal plasma

METHOD OF DISPOSAL TECHNOLOGY (Cont.)

- Heritage Technology Selection Criteria:
 - US Army approved technology (thermal treatment)
 - Environmentally sound
 - Proven technology (flatten process and operations learning curve)
 - Economical
 - Scalable technology