

**Forestry Area Offices Hazmat Storage Facilities**

**FY2006 Request: \$90,000**  
**Reference No: 39973**

**AP/AL:** Appropriation

**Project Type:** Health and Safety

**Category:** Public Protection

**Location:** Statewide

**Contact:** Jeff Jahnke

**House District:** Statewide (HD 1-40)

**Contact Phone:** (907)269-8478

**Estimated Project Dates:** 07/01/2005 - 06/30/2006

**Brief Summary and Statement of Need:**

The Division of Forestry has the need to appropriately and legally store hazardous materials at its field stations located in McGrath, Fairbanks, Delta, Tok, and Glennallen. The Division utilizes several different types of fuel, oil, paint, and other industrial solvents in the course of accomplishing its mission. The current method of storage of these hazardous materials is inadequate because the facilities utilized do not meet current state or federal standards and are in some cases unsafe.

| <b>Funding:</b> | <b>FY2006</b>   | <b>FY2007</b> | <b>FY2008</b> | <b>FY2009</b> | <b>FY2010</b> | <b>FY2011</b> | <b>Total</b>    |
|-----------------|-----------------|---------------|---------------|---------------|---------------|---------------|-----------------|
| Bond Funds      | \$90,000        |               |               |               |               |               | \$90,000        |
| <b>Total:</b>   | <b>\$90,000</b> | <b>\$0</b>    | <b>\$0</b>    | <b>\$0</b>    | <b>\$0</b>    | <b>\$0</b>    | <b>\$90,000</b> |

|   |  |                                       |   |                                   |
|---|--|---------------------------------------|---|-----------------------------------|
| <input type="checkbox"/> State Match Required | <input checked="" type="checkbox"/> One-Time Project | <input type="checkbox"/> Phased - new | <input type="checkbox"/> Phased - underway  | <input type="checkbox"/> On-Going |
| 0% = Minimum State Match % Required           |  | <input type="checkbox"/> Amendment    | <input type="checkbox"/> Mental Health Bill |                                   |

**Operating & Maintenance Costs:**

|                      | <u>Amount</u> | <u>Staff</u> |
|----------------------|---------------|--------------|
| Project Development: | 0             | 0            |
| Ongoing Operating:   | 0             | 0            |
| One-Time Startup:    | 0             |              |
| <b>Totals:</b>       | <b>0</b>      | <b>0</b>     |

**Additional Information / Prior Funding History:**

This is a new project request.

**Project Description/Justification:**

The Division of Forestry has a need to legally store hazardous materials at its field stations in McGrath, Fairbanks, Delta, Tok, and Glennallen. The Division uses several different types of fuel, oil, paint, and other industrial solvents in the course of accomplishing its mission. These hazardous materials are currently being stored in wooden sheds and other inadequate facilities that do not meet current municipal, state, or federal standards. Hazardous materials at the State Fire Warehouse in Fairbanks are stored outside and fuels are subject to contamination over time. The Division is not in compliance with requirements regarding hazardous material storage (29 CFR 1910.106 Subpart H, HazCom & HazMat Storage) and the state could be fined by state and federal regulatory agencies.

Fuel stored in less than adequate facilities poses a life/safety issue as there is potential for fuel leakage, and combustion hazard in the event of open flames coming in contact with the hazardous materials. Some of the fuel storage facilities may create an unsafe working environment. If moisture seeps into barrels the contaminated fuel could cause failure of critical suppression equipment such as portable pumps and chainsaws.

Use of the fireproof/weatherproof hazardous material storage vaults could increase the shelf-life of the stored fuels and this could reduce the cost of replacing fuels on a more frequent basis. Use of the vaults would give the Division a better opportunity to manage the fuel storage more effectively.

The project would not generate revenue for the state. However, major cost savings could result in preventing very costly fuel spills that could result in thousands of dollars in lost revenues. Fuel spill cleanup and mitigation would create the need for emergency expenditure of operating monies.

Project funding would have no affect on private sector or local funds. The bulk of the money would be spent on purchasing the hazardous fuel storage vaults and transporting the vaults to the field stations. Some site preparation would need to take place at some of the field stations and this may entail the use of local contractors to put in a cement pad, conduct some site excavation, and so forth.

Project costs were calculated by using actual estimates for the hazardous material storage vaults obtained in May, 2004. Original bids were increased to account for the variety of delivery sites and estimated preparation costs.

Other alternatives considered were to use existing hazardous material storage facilities or to put hazardous materials into a vented metal Connex type building. As stated earlier, the existing storage of hazardous materials is inadequate and inappropriate. Security of hazardous material is a potential problem and there are concerns about fuel spillage potential. The Connex type building is better than existing storage facilities but there is still potential for fuel leakage or spills. Connex-type buildings would need to be purchased after funding is identified and secured. The proposed project would be the only alternative that would adequately contain a fire in the hazardous fuel storage area.

This project is a one-time expenditure. There is little relationship between this project and the operating budget. If the project is not funded there is potential of spending a large amount of the operating budget in the event of a fuel spill. Excavating and remediation of contaminated soil could setback a small field office for years if cleanup costs had to come from the field offices' budget.

No Personal Services costs are associated with the project as the primary expenditures would go to contractors. Existing personnel would help identify the need for site preparation work at the field stations, and Department contracting officers would be used to solicit bids and process paperwork.

**Why is this Project Needed Now:**

The Division currently stores numerous types of hazardous materials utilized in accomplishing its program goals and responsibilities. Virtually all of the current storage facilities are inadequate and do not meet state or federal requirements for the storage of hazardous materials. The chance for a serious spill of a hazardous material that could cost the state untold thousands of dollars to clean up is very real as is the potential for a serious fire or the a chemical related accident involving a state employee. There is also the potential for state or federal OSHA citations for improper storage of hazardous materials. Accomplishing this project will eliminate the problem and will actually have the potential to save the state money by properly storing and utilizing hazardous materials.

**Specific Spending Detail:**Line Item Expenditures:

Services \$15.0 - Shipping charges and site preparation.

Capital Outlay \$75.0 - Purchase of five vaults.

**Project Support:** This project should receive broad based support from interested state and federal agencies as well as the general public. Supportive agencies include US EPA, Alaska Department of Environmental Conservation, and the Alaska Department of Transportation and Public Facilities

**Project Opposition:** None Anticipated