

POLICY MEMORANDUM

No. III-61

Explosive Materials: Acquiring, Storage Transport and Use

It is the policy of Missouri University of Science and Technology (Missouri S&T) to conduct any work that involves explosive materials in accordance with the following controls:

Unattended Storage Location: Explosives shall be stored in an explosive storage magazine located at the Experimental Mine Facility, Energetics Research Facility, or other campus location as approved by the Associate Vice Chancellor for Facilities Planning and Operations. The magazines must be appropriate for the type and quantity of explosives to be stored. University Police must be contacted in writing informing them of the storage locations of all explosive's magazines at the Experimental Mine Facility, Energetics Research Facility, or any other approved facility.

New storage locations must be approved by the Associate Vice Chancellor for Facilities Planning and Operations prior to storing explosives.

Unattended Storage Location Security: Explosive storage magazines shall be monitored, alarmed, and patrolled under the purview of the Missouri S&T University Police Department.

Temporary Storage Locations: Explosive materials may be stored in day magazines for a time not to exceed 24 hours per 47 CFR 555.201.

Temporary Storage Location Security: Day magazines that are used for temporary storage of explosives may not be left unattended and materials may not be stored overnight.

Material Acquisition or Procurement: Explosive materials that will be acquired or procured through any means (e.g. donated materials or purchased), require a documented review by an explosive inventory manager responsible for auditing the explosives storage magazines, to ensure there is adequate space available for the material within the storage magazines. If space is not available, the material may not be purchased or acquired.

Generally Prohibited Materials: The following material(s) are generally prohibited from storage and/or use at Missouri S&T - Compatibility Group A: Primary explosive substance, unless 1) there is a documented SOP for use of said explosive material, and 2) Explosive Safety Committee approval is granted.

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Transportation: Only properly licensed, CDL with HAZMAT endorsement, and trained, in accordance with requirements under Title 49, Subtitle, Chapter I, subchapter C, Part 172, Subpart H, 172.704, individuals may transport explosive materials in a DOT approved vehicle on public roads displaying appropriate placards as applicable. Transport of explosive materials that will not be used for Missouri S&T teaching and research purposes is prohibited. Missouri S&T is prohibited from distributing explosives materials.

Material Use: Explosive materials are to be used only for Missouri S&T teaching and research purposes. Explosive materials shall be used at locations owned or leased by Missouri S&T for said purpose. If a faculty member plans to use (this includes supervising explosives use by their postdocs and students) explosives at a location not owned or leased by Missouri S&T, he/she must request permission to do so from the Explosives Safety Committee. The faculty member must make this request in writing to the Committee and attach a formal testing agreement and a fully executed memorandum of understanding, executed by the appropriate approving authority. The approving authorities on the memorandum of understanding must consult the Explosives Safety Committee prior to approving any memorandum of understanding regarding explosives use at a location not owned or leased by Missouri S&T. No explosives can be used or stored at a location not owned or leased by Missouri S&T without written approval from the Explosives Safety Committee.

Approving authorities:

Vice Chancellor of Research and Innovation

Associate Vice Chancellor of Planning and Operations

If an appeal is requested by a faculty member on a decision of the Explosives Safety Committee, the appeal will go to the Vice Chancellor of Finance and Operations.

University Police must be informed in writing of all explosive material use locations not owned or leased by Missouri S&T.

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Appendix A: List of Missouri S&T locations with explosives storage.

- 1) Experimental Mine Facility
- 2) Energetics Research Facility

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PURPOSE: The purpose of this policy is to ensure the protection of all students, employees, and public while maintaining an active explosive research and teaching portfolio.

EFFECTIVE DATE: February 25, 2026

RESPONSIBILITY: Environmental Health and Safety (EHS): EHS is responsible for reviewing and maintaining this policy.

Explosives Safety Committee (ESC): The ESC is comprised of a minimum of seven (7) members and is responsible for reviewing all proposed research and development activities that 1) involve the use and storage of explosives materials or energetic compounds, 2) combine explosives with other high-risk research (e.g. animals, chemicals, biological agents, etc.), and 3) involve explosive materials on property not owned or leased by Missouri S&T. The ESC is also responsible for identifying individuals who are explosive inventory managers.

Academic Departments and/or Research Centers: Academic Departments and/or Research Centers are responsible for the unattended explosive material storage locations under their purview (e.g. Mining and Explosives Engineering is responsible for the explosives magazines located at the Experimental Mine and Energetics Research Facility) and training explosive inventory managers.

Explosive Inventory Manager(s): This(These) person(s) is(are) responsible for tracking and accounting explosive material inventory. This(These) person(s) will conduct inventory audits of explosive materials in storage, 1) before new explosives materials are procured or acquired, or 2) at least bi-annually.

Explosive Materials Procurement and/or Acquisition Persons: Each person who procures or acquires explosive materials new to that magazine inventory is responsible for working with the Explosives Inventory Manager(s) to ensure there is storage space available in unattended explosives' storage location before explosive materials are brought to campus.

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DEFINITION:

Explosive Materials: Explosive materials are defined by the Bureau of Alcohol, Tobacco, Firearms, and Explosives (ATF) annual material list as required in 27 CFR 555.23 – ATF Publication 5400.8, document title, “Bureau of Alcohol, Tobacco, Firearms, and Explosives, *Commerce in Explosives; Annual List of Explosive Materials.*”



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