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Safety

**HAZARDOUS MATERIALS
TRANSPORTATION SAFETY PROGRAM**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction establishes the Hazardous Materials Safety Program for McChord AFB in accordance with the requirements of AFI 91-202, AFMAN 91-201, AFJMAN 24-204 and Title 49, Code of Federal Regulations (CFR). This instruction applies to all personnel and units assigned or attached to McChord AFB.

1. Hazardous Materials Transportation Safety Program. This program involves all hazardous materials regulated for transportation by public law and by the Department of Defense (DOD) which include, but are not limited to, general hazard classification of Class Divisions 1.1, 1.2, 1.3, and 1.4 explosives, flammable and nonflammable compressed gases; flammable liquids; flammable solids; oxidizing materials; Class A poisonous gases or liquids; Class B poisonous liquids or solids; irritating materials; etiologic agents; radioactive materials; corrosive materials; other regulated material (ORM); and any other category or type of materials that may from time to time be classified as hazardous by the Department of Transportation (DOT). Implementation of an effective Hazardous Materials Safety Program must be equally shared by host and tenant units and supported by all levels of management and supervision. A comprehensive and integrated program at this installation will be accomplished through:

- 1.1. Coordination between 62 AW/SE, 62 CES/CC, 62 AW/OG and all base organizations, including tenant units involved in hazardous materials transportation to ensure compliance with Air Force, Air Mobility Command, and 15th Air Force directives and supplements.
- 1.2. Recurring facilities and equipment inspections and an annual safety management inspection to observe adequacy of program elements and identify deficiencies to units and activities.
- 1.3. Use of technically qualified and certified personnel transporting hazardous materials and use of proper and serviceable equipment.

2. References. Detailed information on hazardous materials covered in this instruction is included in, but not limited to, the following and should be referred to for the appropriate commodity and mode of transportation involved.

- 2.1. AFJI 11-204, Operational Procedures for Aircraft Carrying Hazardous Materials.
- 2.2. AFI 24-201, Cargo Movement.
- 2.3. AFJMAN 24-204, Preparing Hazardous Materials for Military Air Shipments.
- 2.4. AFJI 24-211V4, Defense Traffic Management Regulation.
- 2.5. AFI 31-209, The Air Force Resource Protection Program.
- 2.6. AFMAN 91-201, Explosive Safety Standards.
- 2.7. AFI 91-202, The US Air Force Mishap Prevention Program.
- 2.8. AFI 24-228, Reporting of Transportation Discrepancies in Shipments.
- 2.9. Title 49, Code of Federal Regulations, Transportation, Subtitle B, Chapter I, Subchapter C, Hazardous Material Regulations, Parts 171-180, Hazardous Material Regulations, and Chapter II, Subchapter B, Federal Motor Carrier Safety Regulations, Parts 390 - 397.
- 2.10. T.O. 0-1-11-6, Chemical and Biological Warfare Agents, Decontamination, Impregnating, Protective, and Hazardous Detecting Equipment Technical Orders.
- 2.11. T.O. 0-1-42, Chemical, Oxygen, Metal, Textile, Fuels, Lumber, and Rubber Materials (e.g., dopes, cleaning compounds, glues, gases, lubricants, paints, plastics, and so on) Technical Orders.

3. General Transportation Safety Rules:

- 3.1. Authorized tools and personal protective equipment will be used and readily available during transporting, handling, or loading and unloading operations involving hazardous materials.
- 3.2. During loading and unloading operations involving hazardous materials, personnel and equipment not absolutely essential to the operation should be excluded from the location.
- 3.3. Serviceable fire extinguishers will be readily available for the hazard involved in the operation.
- 3.4. Hazardous materials loading and unloading operations will be accomplished by qualified personnel only.
- 3.5. Explosives loading and unloading operations will be terminated when an electrical storm is within 5 miles of McChord AFB. Aircraft load crews will be kept advised through radio contact with the 62d Aerial Port Squadron Air Terminal Operations Center (ATOC) (62 APS/TROO) of weather changes.
- 3.6. Personnel who have not satisfactorily completed a formal school or course IAW AFJMAN 24-204, paragraph 1.3. and attachment 25 will not inspect, certify, or accept hazardous material shipments into the AMC transportation system.

4. Transportation of Hazardous Cargo by Vehicle:

- 4.1. Security Forces will provide an escort for hazardous/explosives shipments when high explosives are transported to Kilo, Fox 40, and Lima pads.

4.1.1. DOT Class Division (C/D) 1.1, 1.2 and 1.3 explosives, poisons, and etiologic agents transported on McChord AFB will use the established primary or alternate explosives transportation routes. Primary and secondary routes are shown in [Attachment 1](#).

EXCEPTION: Movements of munitions within a munitions storage area or to and from licensed storage locations are not restricted to designated routes.

4.2. Primary Explosives Routes:

4.2.1. The **Primary** explosives delivery route to all destinations North and East from the 800 Munitions Storage Area (MSA) is right on Fairway Drive to Lincoln Boulevard, left on Lincoln Boulevard to 6th Street, left on 6th Street to Bldg 308. Turn right to Perimeter Road, turn left on Perimeter Road and stay parallel to the North/South Taxiway and continue past the Fire Department around Hangers 3 and 4 to Delta Ramp. Follow the road to I Taxi way, right on parking apron to Juliet Ramp and Bravo Ramp. Follow the road to Bldg 1422 keeping to ramp side of Bldg. 1422 and continue to Perimeter Road for delivery to Kilo, Fox 40, and Lima Pads.

4.2.2. The **Primary** explosives delivery route to all destinations South and East from the 800 MSA is right on Fairway Road to Lincoln Boulevard, left on Lincoln Blvd to Outer Drive, Right on Outer Drive to Perimeter Road, follow Perimeter Road for delivery to Lima, Fox 40, and Kilo Pads.

4.3. Alternate Explosives Routes:

4.3.1. The **Alternate** explosives delivery route to all destinations South and East from the 800 MSA is to turn right on Fairway Road to Lincoln Boulevard, right on A Street to Perimeter Road, left on Perimeter Road to the South Crash Gate Road, left to Outer Drive. Turn left on Outer Drive to 350 Munitions Storage Area or right on Outer Drive to Lima, Fox 40, and Kilo Pads.

4.3.2. The **Alternate** explosives delivery route to the 800 MSA to the 350 MSA is left on Fairway Drive to West Entrance Road, right on West Entrance Road to Battery Road, right on Battery Road to Warehouse Road, left on "E" Street to "A" Street, right on "A" Street to Outer Drive, follow Outer Drive to 350 Munitions Storage Area.

4.4. The vehicle inspection area is located at the Y intersection of the entrance road to the 800 munitions storage area. All incoming explosive-laden vehicles will be escorted to this location from the Main Gate by security forces. The 62d Aerial Port Squadron inspectors will relieve security police escorts and conduct the inspection. Vehicles whose condition is deemed hazardous or whose cargo may be considered dangerously packed will be termed as "suspect" and escorted to the Suspect Vehicle Site.

4.4.1. The Suspect Vehicle Site is located on the gravel road just north of the 800 munitions storage area. Suspect vehicles will be escorted to this location and immediately isolated for a more detailed inspection and/or corrective actions.

4.4.2. The Base Entry Gate or Law Enforcement Desk will notify the Air Terminal Operations Center (ATOC) at extension 4-2611 when surface vehicles arrive after normal duty hours (0800 – 1500, Monday through Friday). The Security Forces will escort the vehicle to the Suspect Vehicle Site and offer safe haven/refuge until formal delivery of the shipment can be effected. The driver must remain with the vehicle.

- 4.5. Explosives-laden vehicle operators will be licensed and medically certified IAW AFMAN 91-201 and Title 49, Code of Federal Regulations (CFR).
- 4.6. Explosives-laden vehicle operators will receive explosives safety training initially, and then annually thereafter. Document training using ancillary training programs. (e.g., G081, CAS-B, or CFETP's).
- 4.7. Transport vehicle engine will not be left running during loading and unloading operations.
- 4.8. Smoking is not permitted within a vehicle hauling hazardous materials, nor is it permitted within 50 feet of a vehicle during loading or unloading operations.
- 4.9. Vehicles will be equipped with the prescribed number and type of serviceable fire extinguishers.
- 4.10. All loads will be secured to preclude shifting and transport damage. Loads will not be stacked higher than side rails if the transport vehicle is so equipped.
- 4.11. Transport vehicles will not exceed the posted speed limits, nor will they exceed 15 MPH on the flight line ramp, or more than 5 MPH when in the immediate vicinity of a parked aircraft.
- 4.12. Private motor vehicles will not be used to transport hazardous materials.
- 4.13. Hazardous materials will be properly identified with the appropriate size, color, and type of DOD/DOT hazardous materials placard prior to loading. Immediately after unloading, all placards will be removed.
- 4.14. Explosives-laden vehicles will maintain a vehicle separation distance of 300 feet when in convoy.

5. Transportation of Hazardous Cargo by Airlift:

- 5.1. Primary and alternate hazardous cargo aircraft parking spots are designated as parking, loading and unloading spots for C/D 1.1 through 1.3 explosives and hazardous materials on McChord AFB. The primary parking and loading spot (C-141 and smaller aircraft) for explosives-loaded aircraft with up to 30,000 pounds of C/D 1.1 or 1.2 explosives is remote parking spot Lima-1, with Kilo-2 being the secondary parking spot. The primary parking and loading spot for larger aircraft is Kilo-2, with Lima-1 as the secondary parking spot for aircraft (C-5, KC-10, and other wide-body aircraft) with up to 30,000 pounds of C/D 1.1 or 1.2 explosives. F-40 may be used for up to 8,000 pounds of C/D 1.1 or 1.2 explosives if Lima-1 and Kilo-2 are in use.
- 5.2. Aircraft to be parked, loaded, or unloaded with less than 1,000 pounds net explosive weight C/D 1.3 explosives may be parked on Bravo, Charlie, Delta or Juliet ramps. Aircraft parked on Bravo 8 and 9 may be loaded with C/D 1.3 explosives up to 10,000 pounds net explosive weight.
- 5.3. Aircraft, loaded or scheduled to be loaded, will be grounded at all times to an approved electrical ground with up to 10,000 ohms resistance.
- 5.4. Aircraft, loaded or scheduled to be loaded, with explosives or hazardous materials will be identified on all four sides with appropriate DOD placards. On incoming hazardous material loaded aircraft, placards will be displayed immediately after proper parking tasks are completed. Placards will remain in place until all hazardous materials have been unloaded from the aircraft or until engine start if hazardous materials remain on board. Placards identifying aircraft to be loaded with hazardous materials will be displayed prior to loading and will remain in place until just prior to engine start.

5.5. Maintain communications with the ATOC during all loading and unloading operations involving such hazardous materials as Class Divisions 1.1, 1.2, 1.3 and 1.4 explosives, poisons, or etiologic agents.

5.6. Maintain adequate lighting during hazardous materials loading and unloading operations. Do not load or unload hazardous materials while an aircraft is being serviced with fuel or oxygen, except in instances covered in T.O. 00-25-172.

6. Responsibilities:

6.1. Commanders of all organizational elements having a mission or participating function involving the transportation of hazardous materials are responsible for ensuring the timely and effective execution of McChord AFB Hazardous Materials Transportation Program.

6.2. The 62d Aerial Port Squadron Commander (62 APS/CC):

6.2.1. Maintains a written record of designated personnel authorized to accomplish certification of hazardous materials shipments (Shipper's Declaration for Dangerous Goods) IAW AFJMAN 24-204.

6.2.2. Provide hazardous cargo briefings to the aircraft commander or designated representative along with completion/disposition of required forms to comply with AFJI 11-204.

6.2.3. Ensure improper shipments of hazardous materials are frustrated and not allowed to continue until appropriate corrective action is accomplished.

6.2.4. Maintain in a current status the explosives handling capabilities of McChord AFB as reflected in AFJI 24-211V4.

6.2.5. Fill out McChord AFB Form 14, Hazardous/Dangerous Cargo Checklist and fax to the Command Center.

6.3. The Chief of Airfield Management (62 OSS/OSA):

6.3.1. Develops and coordinates instructions that combine the necessary elements for complete operating procedures within assigned responsibilities that involve inbound or outbound aircraft with hazardous materials.

6.3.2. Ensures flight plans have information on hazardous materials when required.

6.3.3. Maintains the flight information publications (FLIP) documents for explosive capabilities at McChord AFB in a current status.

6.4. The Consolidated Command Center (62 AW/CP) :

6.4.1. Ensures aircraft are parked at appropriate parking spots for hazardous cargo involved, and explosive limits and aircraft parking restrictions are not exceeded.

6.4.2. Pass a copy of the McChord AFB Form 14, received from ATOC, to the Base Operations dispatcher and retain a copy.

6.5. The Commander, 62nd Security Forces Squadron (62 SFS/SFOF):

6.5.1. Provides security escort for hazardous materials/explosives shipments, when high explosives are transported to Kilo, Fox 40, and Lima pads.

6.5.2. Takes appropriate evacuation and traffic diversionary action in coordination with Disaster Preparedness should a hazardous situation occur.

6.6. The Chief, Fire Protection Division (62 CES/CEF):

6.6.1. Provides appropriate standby fire fighting support for aircraft and vehicles loaded with explosives/hazardous materials.

6.6.2. Implements necessary procedures in coordination with Disaster Preparedness, for evacuation of personnel and fire fighting withdrawal distances for the applicable hazardous materials.

6.7. The Chief, Disaster Preparedness Division (62 CES/CETTT):

6.7.1. Provides coordination and technical assistance during potential and (or) disaster situations.

6.8. The Wing Weapons Safety Manager (62 AW/SEW):

6.8.1. Monitors hazardous materials transportation handling procedures on a selective basis.

6.8.2. Coordinates on plans, policies and publications involving hazardous materials.

6.8.3. Assists in hazardous materials mishap investigations.

RAYMOND E. JOHNS, JR, Col, USAF
Commander, 62d Airlift Wing

Attachment 1

EXPLOSIVE ROUTES