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Maintenance

MUNITIONS OPERATING LOCATIONS

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction supports AFPD 21-2, *Nonnuclear and Nuclear Munitions*. It establishes standardized procedures for personnel engaged in the buildup, inspection or maintenance of munitions in the 442 Munitions Storage Area (MSA). These procedures apply to all personnel assigned to the 442d Logistics Group and 442d Operations Group. Supervisors, Flight Chiefs and Superintendents are responsible for ensuring compliance with this instruction.

SUMMARY OF REVISIONS

This revision incorporates reference to applicable Air Force Policy Directive and updates references and format. A (I) indicates revised material since last edition.

1. Explosive Limits:

1.1. The sited Net Explosive Weight (NEW) for the Operating Location (Bldg. 1141) is 425 lbs NEW of Class/Division 1.1 explosives for each of the 3 bays with a single munitions operation in each bay or a maximum of 2000 lbs NEW of Class/Division 1.1 explosives for a single operation requiring use of all three bays. When an operation is conducted that requires the use of the 2000 lbs NEW, all munitions will be removed from all bays in the building that are not required for the operation. A three (3) foot stand-off distance is required between the stack of 1.1 and the facility wall. Concurrent operations in the adjacent bays are not allowed if any one bay exceeds 425 pounds NEW of Hazard/Class 1.1.

2. Personnel Limits:

2.1. The personnel limits will be determined by the operation to be conducted and will be posted prior to beginning the operation. Personnel limits will not exceed 12 workers, 2 supervisors and 1 casual per bay.

3. Equipment Requirements:

- 3.1. Fire extinguishers: A minimum of two per operating location, suitable for the hazards involved.
- 3.2. Fire symbols and hazard symbols as applicable.
- 3.3. Personnel protective equipment as applicable.
- 3.4. Explosive Operation in Progress Signs (2 ea. per bay).

4. Location of Operation:

- 4.1. Building 1141, Bays 1, 2, and or 3.

5. Safety Requirements:

- 5.1. A qualified (2W071/51) will be in charge of each operation and will exercise control over the operation to ensure the task is completed in a safe and reliable manner. When an abnormal or adverse condition exists, the operation will be terminated until the situation has been resolved.
- 5.2. The supervisor of the operation will brief personnel on tasks to be performed and assign individual job/tasks.
- 5.3. The supervisor will brief personnel on procedures to be employed in the event of an emergency and assign emergency tasks. The briefing sheet in the crew book will be filled out and used for this briefing.
- 5.4. All munitions will be handled with extreme care at all times. Munitions will not be tumbled, dragged, thrown, rolled, walked on or dropped.
- 5.5. Discontinue all operations involving explosives when thunderstorms are in the immediate vicinity of area (ten miles) or at the discretion of the senior munitions person present when he/she believes it is unsafe to continue.
- 5.6. Smoking is permitted only in one designated smoking area of the MSA.
- 5.7. Personnel in charge of the operation will post the proper fire symbols and hazard symbols as applicable and immediately notifies munitions control. Munitions Control will notify the fire department. Ensure emergency exits, fire extinguishers and fire alarms are not obstructed.
- 5.8. Vehicles, other than those being loaded or unloaded, will not be parked closer than 25 feet to any explosive facility.

6. Emergency Procedures:

- 6.1. In the event of any emergency in the MSA, munitions control and or the Maintenance Operations Center will be notified. In turn they will notify the appropriate personnel by using the emergency action checksheet
- 6.2. "In case of fire or accident" procedures are as outlined in the crew briefing. The Fire Department will be notified first on all fires. This can be done by radio through Munitions Control or the Mainte-

nance Operations Center(MOC), by dialing 911 on any available telephone or by pulling the fire alarms and or the high speed deluge fire system at either end of each of the operating bays.

6.2.1. Dispatch one individual to the Alternate Vehicle Entry Gate (Gate 3) to direct the Fire Department to the location of the fire, and to provide advice and/or assistance to the senior fire official.

6.3. If the high speed deluge fire system is accidentally activated it can be stopped by:

6.3.1. Proceeding as quickly as possible to the abort station at either end of the operating bay.

6.3.2. Make an immediate assessment as to whether any fire actually exists.

6.3.3. If there is no fire present, depress the abort button and continue holding until the fire department responds to deactivate the system. If the abort button is released prior to the fire department deactivating the system the deluge fire suppression system will operate as designed.

6.4. If the Munitions Storage Area must be evacuated for any reason, all personnel will assemble at Building 1118(3-Bay Hanger) in the Weapons Loading Ready Room, so all personnel can be accounted for.

6.4.1. The senior ranking person will notify Munitions Control or Maintenance Control (MOC) as soon as possible on personnel status.

7. Procedures:

7.1. Upon opening the operating bays and prior to beginning any operation the following procedures will be followed.

7.2. Unlock all dead-bolt locks and activate the power to the electric roll up doors. Check all fire extinguishers for serviceability.

7.3. Inventory CTK and annotate inventory completion.

7.4. Assemble crew and give briefing to include the operation to be conducted, responsibilities of each crew-member and the emergency procedures briefing as outlined in the crew briefing books. All warnings and cautions, and notes for the operation to be conducted will be briefed directly from the technical orders that are applicable to the operation.

7.5. Post proper fire symbols and hazards symbols and notify Munitions Control. Munitions Control will in turn notify the fire department.

7.6. Post the Operation to be conducted, the explosive limits for that operation; i.e. the number of units of each explosive component to be used, and the personnel limits on the placard on the wall of the operating location. The Cardinal Principle of Explosive Safety applies. This principle is to *expose the minimum number of people to the minimum amount of explosives for the minimum amount of time consistent with the operation being conducted*. Supervisors are responsible for enforcing personnel and explosive limits.

7.7. Notify munitions control when starting an explosive operation and again when stopping the explosive operation.

7.8. The operating location should be maintained in as clean an environment as possible throughout the operation.

8. Closing Procedures:

8.1. Upon completion of the explosive operation or end of day the following procedures will be followed.

8.1.1. Ensure the proper fire symbol and hazard symbol are posted and notify munitions control of any munitions remaining in the operating location and the fire symbols and hazard symbols that are posted.

8.1.2. Ensure all trash generated from the operation is removed from the bay and put in the proper receptacles outside.

8.1.3. All tools and equipment are returned to their proper places, accomplish CTK inventory, sign off inventory sheet and turn in all keys to toolboxes and structures to munitions control.

8.1.4. Turn off the power to the roll up doors and set the dead bolt locks.

8.1.5. Secure the bay by following the security procedures in the Wing Instruction covering Security in the Munitions Storage Area.

MICHAEL K. LYNCH, Colonel, USAFR
Commander

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AFPD 21-2--Nonnuclear and Nuclear Munitions

AFMAN 91-201--Explosive Safety Standards

AFOOSH Standard 91-66--General Industrial Operations

T.O. 11A-1-10--Munitions Serviceability Procedures

T.O. 11A-1-46--Fire Fighting Guidance, Transportation and Storage Management Data and Ammunition Complete Round Chart