Ordnance And Explosive Devices
In The Home or Work Place

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Bakersfield, Ca. – An explosion in front of an apartment complex killed two children and injured five others. Police reported a group of kids were playing with a military shell given to them by a neighbor when the device exploded Tuesday afternoon.

The neighbor, Frank Sendejo, confirmed that he gave the children a 40-millimeter shell, but he told The Bakersfield Californian that he thought it was spent. He said he used it in his home as a "conversation piece." He said the firing pin and bottom shell casing had been removed, along with the gun powder inside.

"I thought it was harmless," he told the newspaper.

The dead include 8-year-old Andrew and 7-year-old Jeni Marie. Five other children, the oldest 12 years old, had injuries ranging from minor to moderate.

Police have contacted federal and military agencies to help in their investigation.
Topics

I. Objective
II. Introduction
III. What To Do If Explosives Are Found In The Home or Work Place
IV. Common Ordnance Items
Objective

To increase the awareness of personnel regarding the potential hazards associated with ordnance and explosive devices found in or around the home and work place and how to properly identify the device as an “INERT” item by its markings or who to contact when in doubt.
Introduction

- Throughout the U.S., a number of accidents have occurred involving explosive devices which were thought to be inert or non-explosive items. Ordnance items displayed as souvenirs or decorative items have been discovered, to in fact be "LIVE" items, which presented unnecessary exposure to the civilian and/or military communities.

- Many of these devices are right in our homes, schools and work places as souvenirs, displays or even training items which are in plain sight of many of us and we just “assume” they are not dangerous.
THIENSVILLE, Wis. -- A family cleaning out a garage Wednesday found some ammunition from World War II. The Milwaukee Bomb Squad responded and detonated a bazooka round and a rocket-propelled grenade. The four unit apartment building, at 505 Lake Bluff Road in Thiensville, was evacuated. This was the second time in less than a week the bomb squad was called for a similar situation. "Last week we had one where a WWII hand grenade was found again by some grandchildren helping their grandmother clean up their house and we did the very same thing," said Ray Nauer of the Thiensville Police Department. As veterans die, more munitions are expected to be found, which is a frightening trend for authorities, 12 News reported. Residents are reminded not to touch or move any ammunition found, but rather to call authorities for collection and disposal.
DALLAS — A military team destroyed a World War II-era land mine in the suburban backyard of a family that said friends had given it at least 10 years ago as a *souvenir.*

An anonymous phone call alerted authorities to the device, police said. Police arrived Monday evening to find the land mine with a live fuse. They contacted the bomb squad in Plano, which then called in a team from Dyess Air Force Base in Abilene. The mine, a *training device* from the 1940s, did not contain explosives but was still considered dangerous, police said.

The home’s residents, Feliciano and Lucy Guzman, were unaware the device was a land mine, said their son, Jesse Guzman. A family friend had found the device in Arizona and brought it back as a *souvenir,* he said. “I never thought it was a land mine,” he said. “It looks like a mousetrap.”
Exploding paperweight costs teacher his hand  
Tuesday, April 4, 2006

VENTURA, California (AP) -- A teacher who kept a 40 mm shell on his desk as a paperweight blew off part of his hand when he apparently used the object to try to squash a bug, authorities say. The 5-inch-long shell exploded Monday while Robert Colla was teaching 20 to 25 students at an adult education class.
Part of Colla's right hand was severed and he suffered severe burns and minor shrapnel wounds to his forearms and torso. No one else was injured. He was reported in stable condition at a hospital. The teacher slammed the shell down in an attempt to kill something that was buzzing or crawling across the desk.
Colla found the 40 mm round while hunting years ago and "obviously he didn't think the round was live," said Dennis Huston, who teaches computer design alongside Colla.
Although not an accident, a “Live” pyrotechnic device (MK 58 Marine Location Marker) was recently found in a work space sitting inside a locker. Under the right circumstances, the potential for an explosive accident/incident was very real.
A Naval Aviation Weapons Station, conducted a "BASE WIDE CERTIFICATION" of Inert Ordnance Displays. This was a necessary and complicated process that required the support of all personnel. There were approximately 1000 (supposedly) inert ordnance display items verified and certified. Of that 1000, there were some 10 to 15 items that were discovered to be "LIVE" and most were the famous "20MM" rounds, however, one item was discovered to be a “LIVE”, mortar round from the Korean War or Vietnam War era, too deteriorated to tell exactly.

Some Ordnance had been there on display for some 10 – 20 Years.
In September 2006, the following occurred at one of the installations while they were conducting their annual Inert Ordnance certification program. Installation personnel had custody of a dummy 5" 54 Cal projectile they requested that it be inspected and added to the installation inert ordnance inventory. They believed they had an inert item because it had been stenciled as such.

The Explosives Safety office review found the following. The projectile had ink stenciling on the body identifying it as NALC D336. ROLMS tech data, identified it as an INERT MK-6 or MK-118 unit, the projectile further had what appears to be mfg ID markings engraved under the base (visible upon highlighting with a pencil ) indicating MK-41 / MOD-0.

ROLMS tech data identified several 5" 54 Cal projectiles NALCS are in the MK-41 / MOD-0 class. The NEW’s ranged from 0 to 7.829999 lbs. The projectile further has a MTSQ fuze attached with mfg ID markings engraved indicating NALC N250 / MK-342 MOD-0, which according to ROLMS tech data carried an NEW of 0.00588 lbs.

Due to this conflicting projectile info and questionable fuze the unit was isolated for further action by EOD.
In August 2006, on board a Navy Ship a PO2 that worked on the Close In Weapons System (CIWS).

After downloading the system, after a firing evolution, took 8 unexpended 20 MM rounds back to his work space without authorization. Using an electric drill to remove the primers and propellant from the rounds, seven were rendered inert and the eighth round exploded causing multiple shrapnel wounds to the PO2.

The PO2 was hospitalized for three days and had 30 days total lost from work.

This person was not qualified/certified to take live ordnance and make it Inert.
What to do if Explosives are found in the work place

- Conduct an inspection.
  
  • All personnel are encouraged to inspect their office spaces, desks, filing cabinets, store rooms and lockers for objects that may look like or resemble ordnance items. Many of these objects may be displayed as souvenirs or decorative items.

- If I find one of these objects what do I do?
  
  • If you find an item that is unfamiliar or suspicious, it could be an improvised explosive devise (IED) and you should immediately evacuate the area, dial 911, and report your finding.
  
  • If the item is familiar and/or is being used as a display item, the first thing you can do is check if it is “INERT” or a non-explosive item.
What to do if Explosives are found in the work place

- **How can I check if an object is inert?**
  
  • First, check if the item was properly marked (etched, stenciled or tagged) “INERT.” All “INERT” items are required to be marked as such.
  
  • If the item was properly marked, you should also verify with the installation Explosives Safety Officer if it was properly recorded in the Inert Log Book maintained in the Explosives Safety Office.
Pictures / Examples of Properly Verified and Certified Inert items
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<tr>
<th>SER. NO</th>
<th>DESCRIPTION DOD/NCALC NSN</th>
<th>NAME CERTIFYING OFFICIAL</th>
<th>SIGNATURE CERTIFYING OFFICIAL</th>
<th>DATE CERTIFIED</th>
<th>METHOD OF CERTIFICATION</th>
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What to do if Explosives are found in the work place

- If an item is not marked “INERT” what do I do and who do I contact?
  - If an item is not marked “INERT”, inform your Supervisor and the Explosives Safety Officer (ESO) and they will contact EOD to have the item removed and/or certified inert.
  - Contacts:
    - NSAM ESO: Doug Harold  562-626-7937
    - NPS ESO: Steve Schnur: 656-1972
    - NSAM Security Dispatch: 656-2555
What to do if Explosives are found in the Home

- If you have an item in your home as a souvenir or display and are not sure if it is “INERT” what do I do and who do I contact?

  - If an item is in your home and not marked “INERT”, you can contact Security Dispatch, who will notify EOD to verify the item and have the item removed if necessary.

  - Contacts:
    - NSAM Security Dispatch 656-2555
    - NPS ESO: Steven Schnur 656-1972
    - NSAM ESO: Doug Harold 562-626-7937
Pyrotechnics

LUU-2B/B Flares
Pyrotechnics

MK-25 Marine Location Marker

MK-58 Marine Location Marker
MK-13 Signal

Flash Simulators
Small Arms Ammunitions
50 Caliber & 20 MM Rounds
Grenades

U.S. Rifle Grenades, WWII-Korea

Copyright ~ insert-Ord.Net~
Grenades
Land Mines
Sub-Munitions
Sub-Munitions
The Navy's policy on inert ordnance displays is specific in that only inert ordnance "shall be used for drill or training purposes, displays (public or otherwise), demonstrations, public functions, or other patriotic occasions."

All Items that are displayed as souvenirs or decorative items must be verified and certified inert by Explosive Ordnance Disposal (EOD) personnel.

It is also important to remember that sometimes people who have served in the military (maybe a grandparent, parent, or brother or sister) or who have worked on or visited a military installation may have taken munitions home as souvenirs. These items, which may be found anywhere, can be extremely dangerous. Although we do not want to take these away, we do want to ensure that they are safe for your family to keep.
If you have any suspected inert ordnance items and you are unsure if these items are in fact Inert, you are requested to contact the NPS ESO at 656-1972 to come out and verify that ALL inert ordnance display items have been verified and are certified as "INERT".

ALL HANDS are encouraged "NOT TO HIDE" or "TAKE HOME" ordnance related items that are not properly inspected and certified as "INERT".

Remember:

All inert ordnance items, except those permanently displayed on plaques, are the property of the U.S. Government.