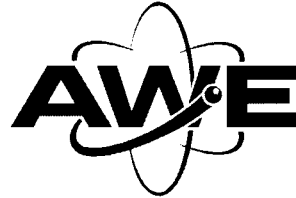


Atomic Weapons Establishment

Aldermaston



**STOCKPILE MANAGEMENT
EXPLOSIVES BUSINESS UNIT**

EXPLOSIVES TECHNOLOGY FACILITY

EMERGENCY RESPONSE PLAN

VOLUME 4

**SUPPORTING INFORMATION
(Emergency Equipment)**

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EXPLOSIVES TECHNOLOGY FACILITY

EMERGENCY RESPONSE PLAN

VOLUME 4 – SUPPORTING INFORMATION (Emergency Equipment)

Originator: _____ Date: 28/01/09
 ██████████ Operations Manager

Reviewed: _____ Date: 10/02/09
 ██████████ Deputy Facility Manager

Authorised: _____ Date: 10/02/09
 ██████████ Explosives Sites Manager

Document Category

This is a Category A as defined in the Company Quality Manual.

Document Control

Controlled Copies of this Facility Emergency Response Plan (FERP) are distributed in accordance with the Distribution List held within the XBU DMC

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Issue Status

The Issue Status of each Volume of this FERP is clearly marked on the front cover and throughout the document. Users of Uncontrolled Copies of this Volume of the FERP must periodically check the current issue status against a Controlled Copy or via the XBU DMC

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1 Introduction

- 1.1 This volume (4) of the Explosives Technology Facility (XTF) Emergency Response Plan (FERP) provides supporting information relating to the emergency equipment that may be required to deal with the consequences of generic and specific emergency scenarios identified in the XTF Safety Case.
- 1.2 This volume is intended to be readily available to the FEC and other facility emergency response staff as required.
- 1.3 Controlled copies include all 4 volumes which are intended to compliment each other and provide a complete Emergency Response overview.
 - Volume 1 – Emergency Arrangements
 - Volume 2 – Emergency Response Actions
 - Volume 3 – Information For Facility Emergency Responders
 - Volume 4 – Supporting Information (Emergency Equipment)

2 XTF Emergency Equipment

2.1 The following items that are available to the Facility Emergency Response Team are held within the Facility for use in an emergency situation. All items are checked regularly by WCC staff, first aiders, or other agencies on routine maintenance schedules, to ensure that equipment is available and operational on demand.

2.1.1 Communications

- Mobile Telephones (2 in [REDACTED])
- Hand-held Radios (10 available to ECP at all times; another 20 are available, but used within the Facility during normal work)
- Fax (in [REDACTED])
- Computer network (c-net in [REDACTED])

2.1.2 Radiation Monitoring

- TLD (personal issue to FEC and other Emergency Responders)

2.1.3 Emergency Lighting

- ATEX rated torches; suitable for use in flammable atmospheres and explosives environments (6 in [REDACTED] Emergency Response Kit and 1 in the ECP Grab Bag)
- Spare batteries for torches

2.1.4 Fire Fighting

- First Aid Fire Fighting Appliances (near emergency exits of buildings and deployed for special applications such as [REDACTED] or hot work)
- Water Supply (hydrants on fire-main throughout the Facility)
- Emergency Water Supply (two 12000 gallon tanks: [REDACTED] near [REDACTED], and [REDACTED] way near [REDACTED])

2.1.5 First Aid

- First Aid Kits
 - [REDACTED] (Burning Ground)
- First Aid Burns Kit
 - [REDACTED] (Burning Ground)
- Eye Wash Stations
 - Portable (2 in [REDACTED])
 - Fixed (various process buildings and workrooms)
- Ballistic Trauma Kits
 - 2 in [REDACTED], 2 in [REDACTED], 1 in [REDACTED]

2.1.6 Respiratory Protective Equipment

2.1.6.1 Additional to personal issue to Ballistic Trauma Trained First Aiders

- N10 Respirators (5 in [REDACTED], 5 in [REDACTED]; 1 off size 1, others size 2)

2.1.7 Personal Protective Equipment

2.1.7.1 In addition to personal issue to FEC and other Emergency Responders:

- Coveralls (disposable, various sizes)
- Overshoes (disposable)
- Hard Hats (5 off)
- Safety Spectacles (5 pairs)
- Gloves (disposable nitrile and vinyl, boxes of various sizes)
- Gloves (general to protect against cuts, grazes, etc., various sizes)
- Hi-Vis Vests (1 FEC, 1 ICO, >10 First Aid, 5 general use)

2.1.8 Photographic Equipment

- XTF Digital Camera (in [REDACTED], with local download capability for network distribution of images)

2.1.9 Transport & cordons

- Goods and Passenger Vehicles (2 transit vans available at all times, managed by WCC; additional van may be available from WCC and/or Explosives Operations Support Team)
- Variety of barriers and cones [REDACTED]
- Process exclusion zone signs and barriers (on location)

2.1.10 Chemical Spill Kits

- Small [REDACTED], 5 off in [REDACTED]
- Large [REDACTED]

2.1.11 ECP Relocation

- Grab Bag (in WCC, containing: spare Hi-Vis vest, stationery, torch, radio)
- Additional mobile communication equipment identified above (item 2.1.1)

2.1.12 Miscellaneous

- Cleaning materials
- Plastic bags (various sizes)

3 Site Emergency Equipment

3.1.1 Additional items that may be required (listed below) are available to Emergency Response Staff on request from Site suppliers or Shift. The Site Emergency Manager should be able to acquire and deploy other resources not immediately available.

3.1.2 Radiation Monitoring

- Temporary dosimetry (Health Physics)
- RA monitoring equipment (Health Physics)

3.1.3 Emergency Lighting

- Mobile light arrays (Shift)

3.1.4 Respiratory Protective Equipment

- Air hoods and breathing air supply (Shift)

3.1.5 Photographic Equipment

- Video and additional still cameras (Media Services)

3.1.6 Transport & cordons

- Additional vehicles (Transport Operations & Maintenance)
- Barriers and cones (Shift)
- Traffic lights (Shift)

3.1.7 Chemical Spill Kits

- Various sizes (Shift)
- Sandbags (Shift)

3.1.8 Miscellaneous

- Water pumps (Fire Service or Shift)
- Petrol pumps (Shift)
- Generators (Shift)
- Tarpaulins (Shift)
- Additional tools and equipment (Shift or Facility operations)

4 Emergency Information

4.1 To support a response, the ECP should have up to date copies of the following documentation for quick reference, or have rapid access to it from the WCC:

- telephone list for facility and emergency response contacts
- muster lists for each team within the Facility
- First Aid responder list and contact details
- XSO room limits, daily explosive holdings and movement logs
- Facility COMAH materials inventory
- safety datasheets for all chemicals and gases within the Facility
- oxygen depletion alarm locations and area covered
- Facility Laser Database and corresponding laser hazard cards
- Facility Asbestos Register
- Facility maps:
 - geographic structure layout
 - fire-main and hydrant distribution
 - steam & condense distribution
 - compressed air distribution
 - drains (surface water, trade waste, foul waste)
 - fire alarm zones
 - Public Address broadcast zones and amplifier locations
- Building drawings:
 - room layout, including explosive licensed rooms and identification other significant hazards (e.g. flammable or radioactive materials, lasers, etc.)
 - fire alarm systems, including location of automatic smoke detectors
 - electrical distribution circuits, including location of emergency lighting and uninterruptible power supplies
 - compressed air and/or vacuum distribution
 - compressed gas bottle pipe work and bottle locations
 - steam & condense distribution
 - water and waste distribution
 - chemical/oil containment bunds (locations & capacity)