

Project:	Hazardous Waste Storage Container Upgrade
Project No:	CHE19
CLIENT:	Public Health England Chilton Didcot Chilton OX14 0RQ

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Reviewed by	
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Introduction

Public Health England (PHE) exists to protect and improve the nation's health and wellbeing and reduce health inequalities. It does this through advocacy, partnerships, world-class science, knowledge and intelligence, and the delivery of specialist public health services. PHE is an operationally autonomous executive agency of the Department of Health. This specification covers work to take place at Public Health England, Chilton, OX11 0RQ.

Requirement is for supply and delivery of a hazardous waste container with four separated storage areas each with single doors for confined storage of chemical and low level radioactive liquids.

The required container will replace an existing container which has exceeded its life cycle.

No Builders works are required in this project

Waste of existing unit and contents will be undertaken by others.

Site visits should be arranged via PHE procurement contacts provided

Pricing

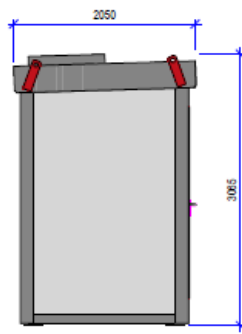
Bidders should provide a full specification of the item proposed for supply under this tendering. A detailed programme of work to be carried out should accompany the tender considering Health, Safety and Environmental requirements.

The tender pricing values shall be separated into the following parts:

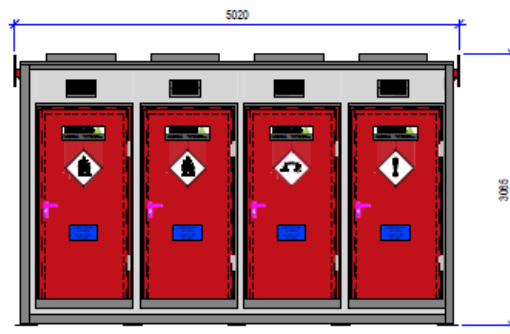
1. Design and Supply of a Hazardous Waste Container
2. Delivery and installation

Specification

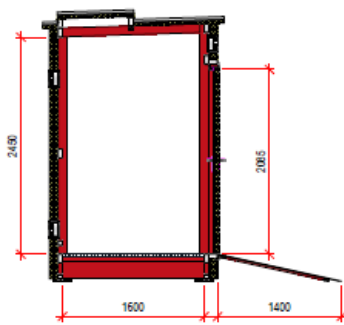
The container required should be have four equal sized separated storage areas each with individual single-entry doors.



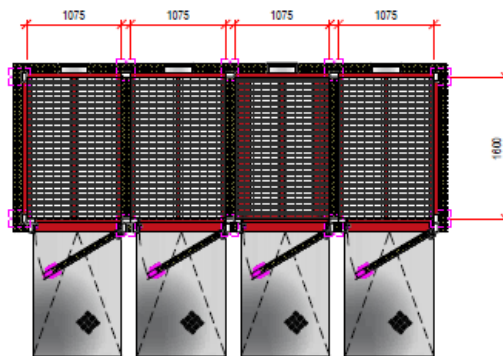
SIDE ELEVATION



FRONT ELEVATION



TYPICAL CROSS SECTION



Storage Area 1, 2 & 4

- Area 1, 2 & 4 are for flammable chemicals
- Area 3 is for corrosive chemicals
- Each Bund shall have of single Capacity 300 Litres
- Corrosion resistant epoxy coating over a welded steel sump tray is to be fitted under grating.
- Ventilation: 3 off intumescent ventilation Pyrogrilles shall be fitted in each area at high and low levels to ensure good natural ventilation throughout the store. Pyrogrilles are to be tested and certified to BS 476 part 22

Storage Area 3

- Area 3 is for corrosive chemicals
- Capacity: 112L
- Polypropylene sump fitted under floor level for maximum resistance to aggressive chemicals and acids.
- Ventilation: 3 off intumescent ventilation Pyrogrilles shall be fitted in each area at high and low levels to ensure good natural ventilation throughout the store. Pyrogrilles are to be tested and certified to BS 476 part 22

Dimensions of the complete unit should be 5,020W x 2,050D x 3,065H mm. (+/- 100mm tolerance)

Frame work should be at least 100 x 50mm x 3mm mild steel box section

Flooring above sumps should finished with galvanised grid decking of sufficient weight loading

All Doors to be sealed with intumescent, elastomeric, neoprene-based seals are installed to protect spread of flame and heat.

All seals to have self-extinguishing properties in event of fire and are not affected by toxic fumes, dust, or weather conditions.

Unit to be Fully banded, tested and certified

The unit should be secure and have protection against Vandalism

The unit shall have a low Maintenance requirement

Wall and Door Cladding should be 100mm thick with Fire-rated panels fabricated from high quality resin bonded Conrock slab which are securely fixed using the tongue and groove method to the robust welded steel box.

Each door fitted with door closer Dorma TS 71 with a clear entrance passage.

Doors shall have leaf thickness of 62mm.

A weather proof sealed cladded Roof shall be in accordance with Health & Safety Guidance Notes HS(G)51,

Each Explosion Relief Panel: Venting panel fitted on the roof of each area to disperse any explosive force. This will seal after relief to maintain existing seal.

Unit shall be fitted with a door width non-slip Chequer Plate painted mild steel access ramp for easy trolley entry for each area.

Allow for Hiab lorry, lifting, delivery and placement of the supplied unit at PHE Chilton in area advised by PHE.

Allow for all steel to be coated with anti-corrosive Polyurethane paint: Red RAL 3020 or advise client.

Design and commission of unit should adhere to Health & Safety Guidance Notes HS(G)51 – Storage

Stored items are to be stored on the galvanised grating base on the unit finish on internal walls. Anti-static and food safe finish.

Allow for clear signage required to unit Flammable, No Smoking, Keep Door Closed When Not in Use.

Contract Requirements

Any sub contracted work should be specified along with the details of the subcontractor’s experience and credentials.

The unit shall have at least a 20-year Corrosion proof guarantee in normal operating conditions.

In accordance with BS 476 part 22 1987 the unit should have 90-Minute fire-rated construction to include:

- Resistance to the passage of flames
- Insulation on temperature
- Stability time
- Fire-resistance in accordance with EN 1634-1.

Bund Test Certificates are to be issued with each unit.

Design and commission of unit should adhere to Health & Safety Guidance Notes HS(G)51 – Storage of flammable liquids in containers

The Container shall be distanced at least 2 metres away from the building.

Site Attendance

The contractor is required to ensure that their employees have suitable work wear, are clean and tidy and shall conduct themselves in a polite and conscientious manner at all times. All contractors undertaking supervision at site require induction with PHE.

Warranties

The guarantee and defects period should be a minimum of 12 months unreserved on workmanship and all new equipment and materials supplied by the contractor.

Any guarantees and warranties should be clearly stated on the tender.

Any instruments needed for the operation and/or maintenance of the equipment should be identified.

PHE invites tenderers to identify added value and efficiency of the installation that they propose.

The defects liability period of 12 months will commence on the date of acceptance from the contractor to PHE.

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