

SITE INFORMATION

Client Name **Royal Hallamshire Hospital**

Client Address **Glossop Road**
Sheffield
S10 2JF

DATE **07/12/2023**


Inspection carried out by **Paul Harrison**

Oftec Number **18375**

Job Number **PROS116637**

Number of tanks on this site **8**

TANK INFORMATION

| | | | | | |
|---|---|-----------------------------|-------------------------|---|---|
| Tank Name | Tank farm Bulk tank 2 | | Form tank number | 2 | |
| Tank Purpose | Heating and generator | | Photo |  | |
| Remarks | Dip 2090mm Gauge reads 85000lts 3000lts out | | | | |
| Does the tank have an identification mark or number actually painted or marked on the tank itself or on a plate attached to it? | | | | | Yes |
| Are there openings on a tank top that would interfere with correct venting or allow water ingress? | | | | | No |
| TYPE of OIL | Gas Oil | | | | |
| Tank Measurement Type | | Diameter/Length-Height (mm) | | | |
| Long | | Wide | | High | |
| Diameter | 7320 | | | Length/ Height | 6000 |
| Capacity | 252501.11 | | | Age | >15 |
| Material of construction | | Painted Steel | | | |
| Shape | | Vertical cylindrical | | | |
| Lagged? | | No | | | |
| Skin | | Single Skin | | | |
| Tank Support Condition | | Good (no visible problems) | | | |
| Damp-proof membrane | | Yes | | | |
| | | | | | Fireproof at least 300mm beyond edge of tank? Yes Impact protection Good (no problems, no danger) |

TANK VENT

| | | | |
|---|-------------------|--|-------|
| Is the tank vent visible? | Yes | | |
| Vent Pipe Size | 2 1/2" | | |
| How does the vent terminate? | Inverted 'U' bend | | |
| In the event of overfilling the tank, will spillage be directed into bund? | Yes | | |
| Is vent located remote from the tank? | No | | |
| Is vent terminal more than 500mm above tank top? | Yes | If so, estimate or measure height of vent terminal from tank top | 700mm |
| | | If so, is a pressure relieving device fitted to vent pipe? | No |
| Is there a risk of the tank being overstressed/rupturing due to problems with the vent? | | | No |

BUND DETAILS

| | | |
|---------------------|-----|--|
| Is the tank banded? | Yes | |
|---------------------|-----|--|

| | | | |
|---|-----------------------------------|-----------------------|------|
| Size of Bund | | | |
| Long (mm) | 21400 | | |
| Wide (mm) | 12850 | | |
| High (mm) | 300 | | |
| Capacity (L) | 82497.00 | | |
| Capacity compliant (e.g. 110%)? | Yes | | |
| Is bund open to weather (e.g. no roof)? | Yes | Bund Visual Condition | Good |
| Remarks | Cables pass through wall unsealed | | |
| Construction of bund | In situ Concrete | | |

Internal finish of bund

| | | | |
|---|---------------------|--|-----|
| Rendered? | Yes | Painted? | Yes |
| Remarks | | | |
| Are there obvious cracks or holes? | | | No |
| Are there any outlets/valves through bund walls (not continuous pipes)? | | | No |
| Are there any pipes passing through bund walls? | | | Yes |
| | | If yes, are they well sealed? | No |
| | | Are there tank/bund drains external to the bund? | |
| Oil in the bund? | No signs of any oil | | |
| Water retention of bund | | | |
| Is bund watertight? | Yes | | |
| Is there water in the bund? | No | | |

| | | | | | | | |
|-----------------------------------|--|---|------|------------------|------|------------------|------|
| Sump | | | | | | | |
| Is there a sump? | Yes | Long (mm) | 1600 | Wide (mm) | 1600 | High (mm) | 1850 |
| Removal of water from bund | | Approved automatic pump system (e.g. BundGuard) | | | | | |
| Clearances | | | | | | | |
| Between tank and bund wall | | Over 750mm (OK) | | | | | |
| Between tank and base | | Less than 600mm | | | | | |
| Jetting | Danger of squirting over bund wall if holed at high level? | | | | | No | |

FILL POINT & FILL PIPES

| | | |
|-------------------------|-----------------------|--|
| Fill Type | Remote Fill | |
| Offset Fill Type | | |
| Remote Fill Type | Pipework above ground | |

GENERAL

| | |
|---|--------|
| Fill pipe size (nominal bore and approximate length) | 2 1/2" |
|---|--------|

| | |
|--|------------|
| Is vent visible from fill point? | No |
| Is a Fill Point Cabinet Fitted? | Yes |
| Is the Fill pipe or Fill point cabinet lockable? | Yes |
| Is a drip tray provided? | Yes |
| Is an isolating valve fitted? | Yes |
| Is a fill cap with retainer provided? | Yes |
| Is a Non Return valve fitted? | No |
| Is an overfill prevention valve fitted? | No |
| Is the fill pipe serving more than one tank? | No |

Are the following indicated on or near the fill pipe?

| | |
|---------------------------|------------|
| Tank number | Yes |
| Fuel grade | Yes |
| Usable capacity | Yes |
| Safe delivery procedure | Yes |
| Emergency spill procedure | Yes |

| | |
|---|------------|
| If above ground, are fill pipes? | |
| Sound and not leaking | Yes |
| Properly supported | Yes |
| Impact protected | Yes |
| Corrosion protected | Yes |
| Frost protected | No |
| Joints accessible | No |

| | |
|-----------|----------|
| Condition | Adequate |
|-----------|----------|

TANK EQUIPMENT

| | | | |
|---|----------------------------|----------------------------|-----|
| Contents Gauge - Type | Hydrostatic (e.g. Normond) | | |
| Is gauge known to be inaccurate, faulty, damaged? | | | |
| Date of last calibration if known | | | |
| ALARMS | | | |
| Is an alarm fitted? | Yes | | |
| State Type | Overfill | | |
| Alarm make | Hytek | Is test facility provided? | Yes |
| Alarm Power | Battery | Is mute facility provided? | Yes |
| Is the alarm apparently functioning? | Yes | | |
| Remarks: | | | |

DRAW OFF/FEED PIPES

| | | | |
|-------------------------------|------------|--|--|
| FIXED PIPES | | | |
| Draw-off pipe size and length | 3" | | |
| Material | Mild steel | | |
| Draw off pipes run | Both | | |

If above ground, are the draw-off pipes:

| | |
|-----------------------|-----|
| Sound and not leaking | Yes |
| Properly supported | Yes |
| Impact protected | Yes |
| Corrosion protected | Yes |
| Lagged | No |
| Trace heated | No |

If below ground, are the draw-off pipes:

| | |
|----------------------------------|---------|
| Sound and not leaking | Unknown |
| Single skin | Unknown |
| Double skin | Unknown |
| Leak detection | Unknown |
| Is there a surface loading risk? | No |
| Remarks: | |

| | |
|--|--|
| FLEXIBLE PIPES | |
| Material: N/A | |
| Is nozzle and hose stored within bund? | |
| Can nozzle be left in open position? | |
| Is there an automatic knock-off device/self closing tap? | |
| Is it lockable? | |
| Remarks: | |

| | | |
|---|-----|--|
| PUMPS AND ANCILLARY EQUIPMENT – fixed to or adjacent to tank | | |
| Are pumps | | |
| Protected from impact? | Yes | |
| Protected from misuse | Yes | |
| Taps and valves | | |
| Clearly marked open/shut | Yes | |
| Locked when not in use | Yes | |
| Remarks: | | |

| | | |
|--|---------|--|
| SPILL PROCEDURE AND CLEAN UP KITS/MATERIALS | | |
| Are there spill kits available on site? | Yes | |
| Are there spill kits readily available for use at all times? | No | |
| Is there a written spill procedure available? | Unknown | |
| Are personnel trained in spill procedures? | Unknown | |
| Remarks: | | |

| | | |
|-------------------------------------|---------|--|
| SITE DRAINAGE | | |
| Is a drainage plan available? | Unknown | |
| Are draining manholes colour coded? | No | |
| Remarks: | | |

ENVIRONMENTAL ISSUES

| | | |
|--|----------------|--|
| Is Tank:- | | |
| located where spillage might run to open drain or manhole? | Yes | |
| located within 10m of a spring? | Unknown | |
| located within 50m of a borehole? | Unknown | |
| Remarks: | | |

FIRE

| | | |
|---|---|--|
| Is tank/apparatus fitted with a fire valve? | Unknown | |
| Is tank more than 3500 litres? | Yes | |
| Is tank less than 6m from a building? | No | |
| | If so, then either - | |
| | Is a 'Type C Screen Wall' provided - must give 120 minutes of fire resistance and extend not less than 900mm beyond top and ends of the tank. (BS5410:2 1978 applies)? | |
| | Any building within 6 metres part of the tank must have 120 mins of standard fire resistance | |
| | Be imperforate if within 1.8 metres of the tank and 6 metres of the tank must be 60 minutes self-closing type and have 60 minute fire resistant glazing. (Recommend they be blocked off.) | |
| Remarks: | | |

SUMMARY OF TANK CONDITION

| | | | | | | | |
|--|-----------------|--------------|-----------------|--------------------|-----------------|-------------|-----------------|
| General condition of: | | | | | | | |
| Tank | Adequate | Pipes | Adequate | Gauges etc. | Adequate | Bund | Adequate |
| Does the tank comply with the DEFRA Oil Storage regulations 2001? | | | | | | Yes | |
| Remarks: | | | | | | | |