

**APPENDIX II**  
**DETAILED RECORD**  
**OF SITE WALKOVER**

**NOTES:**

- 1) A plan of each area showing the location of the features observed is included at the end of each area list.
- 2) Contaminants associated with various processes are as follows:  
Greensand: silica dust, coal dust, phenol, PAH  
Phenolic urethane sands: silica dust, PAH, phenol

**Zone 1: North Area**

| Ref | Features Observed in Zone 1                                                                      | Potential Contamination Issues           |                  |                                                            |
|-----|--------------------------------------------------------------------------------------------------|------------------------------------------|------------------|------------------------------------------------------------|
|     |                                                                                                  | Possible Historic                        | Current Evidence | Future Potential                                           |
| 1   | Southeast entrance to North Area                                                                 |                                          |                  |                                                            |
| 2   | Road areas recently re-surfaced with tarmac                                                      |                                          |                  |                                                            |
| 2a  | Car park area on raised bank.                                                                    |                                          |                  | Fuel & oil leaks                                           |
| 3   | Raised site boundary, planted with trees                                                         |                                          |                  |                                                            |
| 4   | Amenity facilities & gas boiler                                                                  |                                          |                  |                                                            |
| 5   | Laboratories                                                                                     |                                          |                  | Fugitive dusts                                             |
| 6   | Shed for storage of dry furnace materials                                                        |                                          |                  | Sand spillage                                              |
| 7   | 3 skips, 2 full of greensand, temporarily stored here due to work in progress at end of foundry. |                                          |                  |                                                            |
| 8   | Northeast entrance to North Area                                                                 |                                          |                  | Fuel & oil leaks                                           |
| 9   | Weighbridge                                                                                      |                                          |                  | Fugitive dust deposition, including sand & abatement dusts |
| 10  | Cleared rough ground. Former storage area for scrap metal & waste                                | Metals, sulphates, PAH (see Section 5.8) |                  |                                                            |

| Ref | Features Observed in Zone 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Potential Contamination Issues |                                                                                            |                                                                                              |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Possible Historic              | Current Evidence                                                                           | Future Potential                                                                             |
| 11  | Locked storage shed, with a drum of TEA horizontal over a 2-drum mobile plastic bund, adjacent. The drum was fitted with tubing connections at opposite ends, with the upper one running into the building & the lower one draped to the ground. The bund sump was filled with water.<br>Adjacent to the in-use drum, ~10 empty drums were stored on pallets, one set stacked above another.<br>Fugitive greensand on road in front, with standing water. New concrete has been laid in part of this area. |                                | Potential leakage to ground from drum in use (possibly an "empty").<br>Greensand residues. | Unlikely, as use of area is being altered & future storage at this location is not proposed. |
| 12  | Mould box storage in front of building, with Bulk Oxygen tank.<br>Fugitive greensand on road in front, with considerable standing water. The section next to the open ground (10) has been newly concreted.                                                                                                                                                                                                                                                                                                | Greensand & dusts.             |                                                                                            | Future area planned for waste storage.                                                       |
| 13  | Large waste skips                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                                                                                            |                                                                                              |
| 14  | Pile of wood & packaging waste.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |                                                                                            |                                                                                              |
| 15  | BMD dry bag filtration plant serving rotary shotblast. Waste discharges into bag over a metal skip, and is contained within a corrugated metal shed below the main plant.                                                                                                                                                                                                                                                                                                                                  | Fugitive silica & metal dusts. |                                                                                            |                                                                                              |
| 16  | Miscellaneous waste storage, including empty IBCs waiting for collection. Other wastes include wood, coke in bins, containers of soil, sludge & water in open pails. A scrap metal skip is currently located in front & some mould boxes are also stored here.                                                                                                                                                                                                                                             |                                | Potential for accidental release of liquid wastes.                                         | Unlikely, as area will not be used for waste storage.                                        |
| 17  | Soakaway for surface water run-off. The soakaway is periodically dredged out for removal of fines.                                                                                                                                                                                                                                                                                                                                                                                                         |                                | Risk of oils or chemicals soaking through bank into groundwater or possibly the Canal.     | As historic/current unless altered.                                                          |
| 18  | Bunker used for stored of waste sand, which is periodically loaded into skips for removal using a JCB.                                                                                                                                                                                                                                                                                                                                                                                                     |                                | Fugitive sand & dusts.                                                                     | Arrangements /location to be altered.                                                        |
| 19  | Disused tank for storage of black water from former greensand wet collector.<br>Around the tank, there are ~12 x 205 litre drums (empties) of oils and chemicals, along with some building materials.                                                                                                                                                                                                                                                                                                      | Greensand residues             | Potential for accidental release of residual liquid wastes.                                | As current unless arrangements are altered.                                                  |
| 20  | Filling pipes for sand, clay & coal dust silos, with spillage on ground around.                                                                                                                                                                                                                                                                                                                                                                                                                            |                                | Silica, clay & coal dusts                                                                  |                                                                                              |

| Ref | Features Observed in Zone 1                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Potential Contamination Issues                                                |                                                      |                                               |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------|
|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Possible Historic                                                             | Current Evidence                                     | Future Potential                              |
| 21  | Former wet abatement plant for greensand system.                                                                                                                                                                                                                                                                                                                                                                                                                                        | Greensand residues                                                            |                                                      |                                               |
| 22  | New dry bag filtration plant for greensand system. Collected residues are returned to the sand mill.                                                                                                                                                                                                                                                                                                                                                                                    |                                                                               | Small amount of fugitive dusts around base of plant. | As current.                                   |
| 23  | Concrete road surface, with fugitive sand & dusts, and evidence of oil & fuel leaks from vehicles.                                                                                                                                                                                                                                                                                                                                                                                      | Fugitive sand & dusts; evidence of oil & fuel leaks from vehicles.            |                                                      | As current.                                   |
| 24  | Leaking Disamatic vacuum plant on concrete surface. A cut off plastic pail was placed below the leaking plant, but had filled with water contaminated with kerosene-based parting fluid & sandplant fines. The pail was overflowing & liquid was running out of the building onto the road in front & down a run-off channel to the Canal. However, no kerosene was observed actually on the Canal.<br>A drainage channel for surface run-off water into the Canal is at this position. |                                                                               | Significant leakage, with drainage to Canal bank.    | As current, unless arrangements are improved. |
| 25  | Rainwater drainage point, with discharge to the river. An open pail full of oily liquid & a mangled 205-litre drum of unidentified waste were located next to the building here.                                                                                                                                                                                                                                                                                                        |                                                                               | Potential for oil release.                           |                                               |
| 26  | Cooling tower for electric furnaces in front of Novathane conveyer system.                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                               |                                                      |                                               |
| 27  | Section of foundry building with new steel clad roof & sides following a fire.                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                               |                                                      |                                               |
| 28  | Section of foundry building with new steel clad roof & siding.                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                               |                                                      |                                               |
| 29  | Scrap storage bay – on concrete & under cover behind electric furnaces. Scrap types were all clean (free from oil) & included new production pressings & bales.                                                                                                                                                                                                                                                                                                                         |                                                                               | Surface dusts.                                       |                                               |
| 30  | Forklift truck servicing area, including an internal bulk diesel tank in a breeze block bund. The dispensing point was located over a mobile catchment tray for spill collection & was ¼ full of diesel.<br>Large number of oil drums stored in this area, with many on mobile sumps. Some spillage around the area.                                                                                                                                                                    | Extensive internal oil spillage – potential for seepage into underlying soil. | Some minor oil spillage around area.                 | As current.                                   |
| 31  | Rainwater discharge point to Canal.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                               |                                                      |                                               |

### Zone 1: Other Information on Internal Activities

| Ref | Other Internal Features in Zone 1                                                                                                                                                                                                                                                                            | Potential Contamination Issues                                                                                                              |                  |                                                                                                                        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------|
|     |                                                                                                                                                                                                                                                                                                              | Possible Historic                                                                                                                           | Current Evidence | Future Potential                                                                                                       |
| A   | <p>Main Foundry Building, with the following processes:</p> <ul style="list-style-type: none"> <li>a) Greensand moulding &amp; sand preparation plant</li> <li>b) Novathane (phenolic urethane) moulding &amp; sand reclamation</li> <li>c) Phenolic Urethane core production</li> <li>d) Casting</li> </ul> | <p>Main releases to the environment likely to have occurred as a result of air emissions or operations undertaken outside of buildings.</p> |                  | <p>Limited potential for land contamination due to hard surfacing in good condition &amp; management of materials.</p> |
| B   | <p>Main Foundry Building, with the following processes:</p> <ul style="list-style-type: none"> <li>a) Induction melting furnaces: 2 x 8 tonne medium frequency</li> <li>b) Scrap storage</li> <li>c) Ladle relining</li> <li>d) Support activities: e.g., forklift truck repair &amp; filling.</li> </ul>    |                                                                                                                                             |                  |                                                                                                                        |

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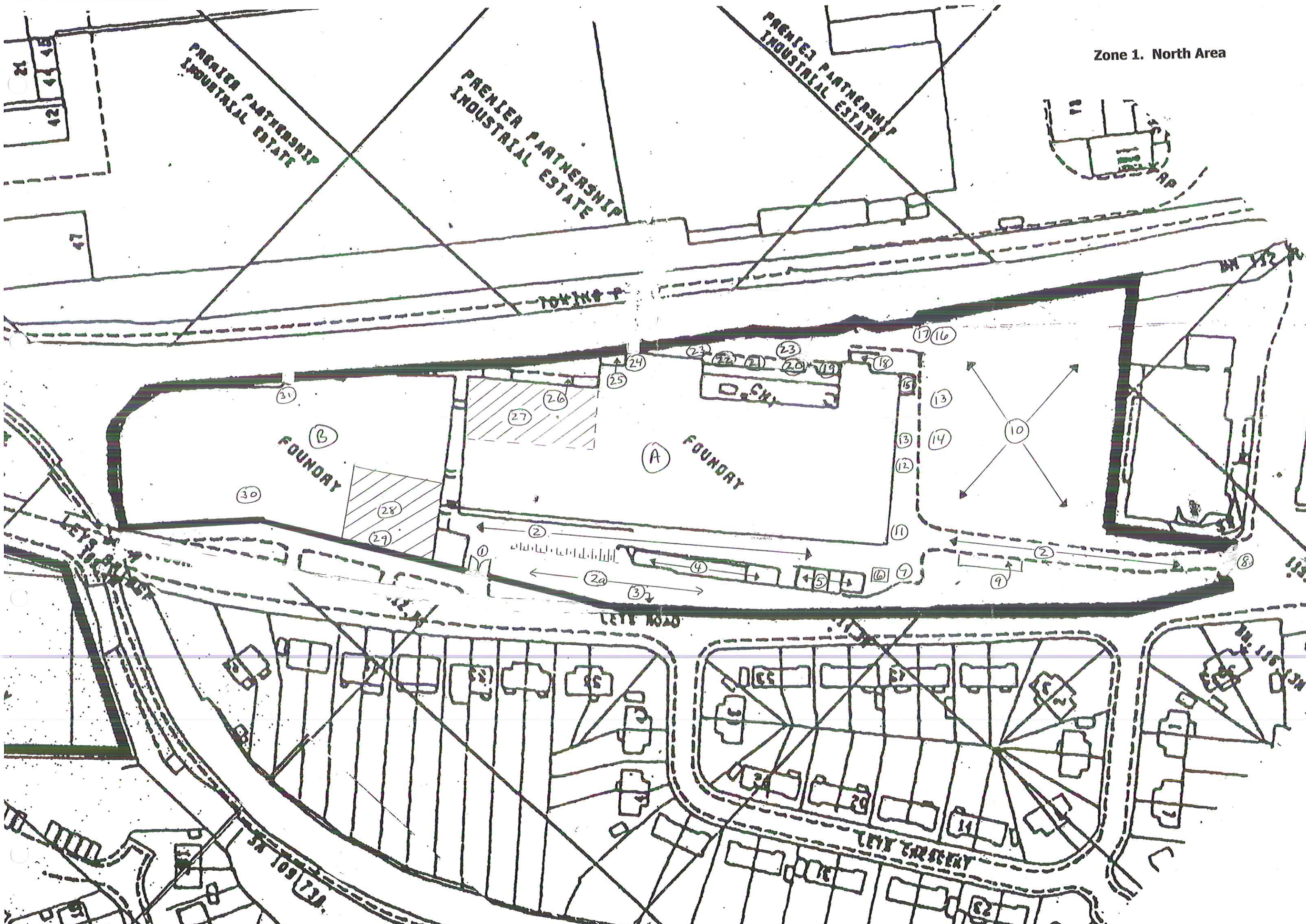
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Zone 1. North Area





## Zone 2: South Area

| Ref | Features Observed in Zone 2                                                                                                                                                                                                                                                                                                                       | Potential Contamination Issues                                             |                                                                                                           |                                           |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------|
|     |                                                                                                                                                                                                                                                                                                                                                   | Possible Historic                                                          | Current Evidence                                                                                          | Future Potential                          |
| 32  | Location of former underground storage tank for petrol – decommissioned & filled in with concrete in 1996.                                                                                                                                                                                                                                        | Petrol                                                                     |                                                                                                           |                                           |
| 33  | Concrete & tarmac surfaced car parking area. Some surface cracking                                                                                                                                                                                                                                                                                | Fuel & oil leaks                                                           |                                                                                                           | As historic                               |
| 34  | Storage of castings & structural steel                                                                                                                                                                                                                                                                                                            |                                                                            |                                                                                                           |                                           |
| 35  | Disused cooling tower                                                                                                                                                                                                                                                                                                                             |                                                                            |                                                                                                           |                                           |
| 36  | IBC of compressor water                                                                                                                                                                                                                                                                                                                           |                                                                            |                                                                                                           |                                           |
| 37  | ~ 20 IBCs of waste coolant, awaiting removal from site. Future storage will be internal in machine shop.<br>Storm water drain in front of entrance door next to roller shutter door.                                                                                                                                                              |                                                                            | Iron oxide dusts, small bits of metal escaping from shop.<br>Potential for accidental release of coolant. | As current with regard to dusts.          |
| 38  | External storage of mould boxes, 2 skips of turnings to be returned to the melt shop (1 with a coolant sump full of coolant), 4 IBCs of waste coolant.                                                                                                                                                                                            |                                                                            | Potential for accidental release of coolant.                                                              | As current.                               |
| 39  | Disused (& presumed empty) above ground diesel tank on brick pillars.<br>Some oil staining on brickwork below beneath old filling pipe connection.                                                                                                                                                                                                | Diesel                                                                     | Staining on brickwork below.                                                                              | Potential release during decommissioning. |
| 40  | Car park area                                                                                                                                                                                                                                                                                                                                     | Fuel & oil leaks                                                           |                                                                                                           | As current                                |
| 41  | Ad hoc waste disposal area, in process of being cleared. Wastes include: "empty" drums of oil/chemicals, wood, packaging (wood, plastics, steel bands), damaged metal bins, mould boxes, cables, etc. Several large skips in the area were being used for collection of segregated & unsegregated materials (e.g., wood, scrap metal, "Special"). | Oil & chemical residues from leaking containers.<br>Metal dusts & residues |                                                                                                           | Depends on future use.                    |
| 42  | Line of tall trees along site boundary                                                                                                                                                                                                                                                                                                            |                                                                            |                                                                                                           |                                           |
| 43  | Concrete surfaced area with old structural metalwork. Planned to remove the metalwork & use the area for storage.                                                                                                                                                                                                                                 |                                                                            |                                                                                                           | Depends on nature of stored materials.    |

| Ref | Features Observed in Zone 2                                                                                                                                                                                                                                                                                                   | Potential Contamination Issues                                                                                              |                   |                                              |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------|
|     |                                                                                                                                                                                                                                                                                                                               | Possible Historic                                                                                                           | Current Evidence  | Future Potential                             |
| 44  | Old gas compound with wire fencing & vapour warning signs still in place. Old brickwork from buildings still present & a small locked building (former control building) near the front. Intended for future use for pallet storage.                                                                                          |                                                                                                                             |                   |                                              |
| 45  | Natural drainage run-off channel formed in unsurfaced area between area 41 & the old gas compound.                                                                                                                                                                                                                            | Potential for oil & fuel seepage into soil from run-off.                                                                    |                   | As current.                                  |
| 46  | Damaged mould boxes & metal work bins stored along edge of concrete surface.                                                                                                                                                                                                                                                  |                                                                                                                             | Metals oxides.    |                                              |
| 47  | Waste pallets – neatly stacked.                                                                                                                                                                                                                                                                                               |                                                                                                                             |                   |                                              |
| 48  | Miscellaneous materials & wastes (e.g., metal work bins, turning skips) stored in ad hoc fashion in front of old gas compound.                                                                                                                                                                                                |                                                                                                                             | Metal oxides      |                                              |
| 49  | Concrete surface in fair condition. Joint lines for slabs evident with some deterioration around the edges.                                                                                                                                                                                                                   |                                                                                                                             | Fuel & oil leaks. |                                              |
| 50  | Jumble of damaged work bins, containers, mould boxes & other metal.                                                                                                                                                                                                                                                           |                                                                                                                             | Metal oxides      | Potential for accidental release             |
| 51  | Paint storage in brick building- includes 50 kg drums of paints, thinners. Some old 205 litres drums sitting outside the store.                                                                                                                                                                                               |                                                                                                                             |                   |                                              |
| 52  | Bulk diesel tank in brick bund. Both filling & dispensing points (for filling up forklift trucks) are outside of the bund. Staining on lower brick courses suggests that the wrong type of brick has been used and/or it has not been properly sealed.<br>Two old 50 litre tins sitting at side of bund & a pail is in front. | Extensive staining on ground around the bund, on lower brickwork courses, & on brickwork below filling & dispensing points. |                   | As current unless arrangements are improved. |
| 53  | Ad hoc storage of pallets, scrap castings & general waste.                                                                                                                                                                                                                                                                    |                                                                                                                             |                   |                                              |
| 54  | Grass bank sloping down to field behind diesel tank. Some rubbish strewn here, including glass bottles, other domestic waste, & wooden boards. A disused partially lagged gas pipe also runs along here from the fettling shop building over to the old gas compound.                                                         |                                                                                                                             |                   |                                              |
| 55  | Storage of castings along side of building.                                                                                                                                                                                                                                                                                   |                                                                                                                             |                   |                                              |
| 56  | Incoming gas supply.                                                                                                                                                                                                                                                                                                          |                                                                                                                             |                   |                                              |

| Ref | Features Observed in Zone 2                                                                                                                                                                                                                                 | Potential Contamination Issues |                                                             |                                        |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------|----------------------------------------|
|     |                                                                                                                                                                                                                                                             | Possible Historic              | Current Evidence                                            | Future Potential                       |
| 57  | Dust collectors & discharge collection facilities in small concrete-surfaced external area behind building. The surface slopes toward the building. Some dust has collected on lower concrete surface along wall next to 57b. A drain is also located here. |                                | Metal dusts & minor oil staining of road surface            | As current.                            |
| 57a | Discharge collection inside corrugated metal building, with plastic sheeting hung across the front.                                                                                                                                                         |                                | Fugitive dusts escaping out of front onto concrete surface. | As current                             |
| 57b | New dust collector (small) on plinth.                                                                                                                                                                                                                       |                                |                                                             | Fugitive dust release during transfer. |
| 57c | New dust collector exhaust stack & fan with ducting into building.                                                                                                                                                                                          |                                |                                                             |                                        |

#### Zone 2: Internal Features

| Ref | Internal Features Observed in Zone 2                                     | Potential Contamination Issues                                           |                  |                  |
|-----|--------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------|------------------|
|     |                                                                          | Possible Historic                                                        | Current Evidence | Future Potential |
| C   | Electrical sub-station. All PCBs removed                                 | PCBs                                                                     |                  | Oil              |
| D   | Casting painting by dipping. A disused spray booth is also in this area. | Some oil spillage around compressors & paint seepage from drainage unit. |                  | As current       |
| E   | Fettling & heat treatment bays.                                          | Metal dusts.                                                             |                  | As current.      |
| F   | Offices                                                                  |                                                                          |                  |                  |
| G   | General storage of consumables.                                          |                                                                          |                  |                  |
| H   | Garage for company cars.                                                 | Oil & fuel leaks                                                         | Not seen.        | As current.      |
| I   | Builders offices                                                         |                                                                          |                  |                  |
| J   | Heat treatment shop, including some grinding work.                       | Metal dusts                                                              |                  | As current       |
| K   | Machine shop – flooring in good condition & sealed.                      | Extensive spillage of oil inside the building.                           |                  | As current       |
| L   | Disused.                                                                 |                                                                          |                  |                  |

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