



APPENDIX II
DETAILED RECORD
OF SITE WALKOVER

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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			
6	Shed for storage of dry furnace materials			Fugitive dusts
7	3 skips, 2 full of greensand, temporarily stored here due to work in progress at end of foundry.			Sand spillage
8	Northeast entrance to North Area			
9	Weighbridge			Fuel & oil leaks
10	Cleared rough ground. Former storage area for scrap metal & waste	Metals, sulphates, PAH (see Section 5.8)		Fugitive dust deposition, including sand & abatement dusts

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. Adjacent to the in-use drum, ~10 empty drums were stored on pallets, one set stacked above another. 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"). 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. 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. 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.
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 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. 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 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. 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"> a) Greensand moulding & sand preparation plant b) Novathane (phenolic urethane) moulding & sand reclamation c) Phenolic Urethane core production d) Casting 	<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 & management of materials.</p>
B	<p>Main Foundry Building, with the following processes:</p> <ul style="list-style-type: none"> a) Induction melting furnaces: 2 x 8 tonne medium frequency b) Scrap storage c) Ladle relining d) Support activities: e.g., forklift truck repair & filling. 			

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. Storm water drain in front of entrance door next to roller shutter door.		Iron oxide dusts, small bits of metal escaping from shop. 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. 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. 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. 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.			
57c	New dust collector exhaust stack & fan with ducting into building.			Fugitive dust release during transfer.

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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Zone 1. North Area

PREMIER PARTNERSHIP INDUSTRIAL ESTATE

PREMIER PARTNERSHIP INDUSTRIAL ESTATE

PREMIER PARTNERSHIP INDUSTRIAL ESTATE





