EPA Region 5 Records Ctr.
282891

5-28

ENCLOSURE B

NORTH MANCHESTER FOUNDRY WASTE
EP WATER TEST RESULTS ON COMPOSITE OF PLANT WASTE

Parameter	RESULTS
Alkalinity, Total at pH 4.5 (mg/l as $CaCO_3$)	24
Ammonia Nitrogen (mg/l as N)	4.29
Arsenic (mg/l)	0.002
Barium (mg/l)	< 0.2
Cadmium (mg/l)	< 0.01
Chloride (mg/l)	5.3
COD (mg/l)	4.0
Copper (mg/l)	< 0.02
Chromium, Total (mg/l)	< 0.05
Fluoride (mg/l)	0.92
Hardness, Total (mg/l)	8.0
Iron (mg/l)	< 0.03
Lead (mg/l)	< 0.005
Manganese (mg/l)	< 0.01
Mercury (mg/l)	< 0.0002
Nickel (mg/l)	< 0.04
Nitrate Nitrogen (mg/l as N)	0.94
Phenols (mg/l)	0.55
Total Dissolved Solids (mg/l)	174
Selenium(mg/l)	< 0.001
Silver (mg/l)	< 0.02
Sulfate (mg/l)	53.4
Zinc (mg/l)	0.01
pH (pH Units)	9.9

EP TOXICITY TEST RESULTS

NORTH MANCHESTER FOUNDRY
(Continued)

Composite of - Slag from furnace - Ladle slag - Slag waste (stainless steel) - Iron furnace refractory - Stainless steel furnace refractory	< 0.001	< 0.2	< 0.01	< 0.05	< 0.1	< 0.0002	< 0.001	< 0.02
Composite of - Pangborn separated waste - Wheelabrator separated waste	< 0.001	< 0.2	< 0.01	< 0.05	< 0.1	< 0.0002	< 0.001	< 0.02

Limits	5.0	100.0	1.0	5.0	5.0	0.2	1.0	5.0	NA	NA	NA	NA
Waste												
South Dust Collector	0.001	< 0.2	< 0.01	0.06	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-
North Dust Collector	0.001	< 0.2	< 0.01	0.06	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-
Pangborn Separated Waste	0.006	< 0.2	< 0.01	< 0.05	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-
Wheelabrator Dust Collector	0.008	< 0.2	< 0.01	0.06	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-
Stainless Steel Furnace Refractory	0.003	< 0.2	< 0.01	< 0.05	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-
Composite of All Wastes	< 0.001	< 0.2	< 0.01	0.06	< 0.1	< 0.0002	< 0.001	< 0.02	< 0.02	603	8.0	0.10
Composite of Shell core butts Black sand core butts Isocure core butts and waste sand Oil sand core butts and waste sand	< 0.001	< 0.2	< 0.01	< 0.05	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-
Composite of Excess system sand Floor Sweeping	< 0.001	< 0.2	< 0.01	< 0.05	< 0.1	< 0.0002	< 0.001	< 0.02				

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ENCLOSURE B

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Phenols (mg/l)	0.55
Total Dissolved Solids (mg/l)	174
Selenium(mg/l)	< 0.001
Silver (mg/l)	< 0.02
Sulfate (mg/l)	53.4
Zinc (mg/l)	0.01
pH (pH Units)	9.9

EP TOXICITY TEST RESULTS

NORTH MANCHESTER FOUNDRY

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(mg/l)	Arsenic	Barium	Cadmium	Chromium Total	Lead	Mercury	Selenium	Silver	Copper	Iron	Manganese	Phenols	Zinc
Waste	5.0	100.0	1.0	5.0	5.0	0.2	1.0	5.0	NA	NA	NA	NA	
te													
t Collector	0.001	< 0.2	< 0.01	0.06	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-	-
t Collector	0.001	< 0.2	< 0.01	0.06	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-	-
Separated	0.006	< 0.2	< 0.01	< 0.05	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-	-
or Dust	0.008	< 0.2	< 0.01	0.06	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-	-
Steel fractory	0.003	< 0.2	< 0.01	< 0.05	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-	-
of All	< 0.001	< 0.2	< 0.01	0.06	< 0.1	< 0.0002	< 0.001	< 0.02	< 0.02	603	8.0	0.10	.26
of re butts nd core													
core butts e sand core d waste	< 0.001	< 0.2	< 0.01	< 0.05	< 0.1	< 0.0002	< 0.001	< 0.02	-	-	-	-	-
of													

ENCLOSURE A

EP TOXICITY TEST RESULTS

NORTH MANCHESTER FOUNDRY
(Continued)

Composite of - Slag from furnace - Ladle slag - Slag waste (stainless steel) - Iron furnace refractory - Stainless steel furnace refractory	< 0.001	< 0.2	< 0.01	< 0.05	< 0.[illegible]	< 0.0002	< 0.001	< 0.02
Composite of - Pangborn separated waste - Wheelabrator separated waste	< 0.001	< 0.2	< 0.01	< 0.05	< 0.[illegible]	< 0.0002	< 0.001	< 0.02