P.P. O'CONNOR

Committed To Excellence

Conveyance Note

№ 37655

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLIFORD TRY	

Drivers Name	Vehicle Registration	Signature
S. PATTEN	MD16 LWA	

Delivery/Collection Address	Date and Time
STRAND WALK HOLYWELL → LLAY	20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	GF2 HAULAGE ONLY
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31960
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19460

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

P.P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

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Haulage Only

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Nº 042143

Waste Carriers Licence Number CBDU101751	Contract No:	
Customers Name: Gilford Try		
Drivers Name	Vehicle Registration	Signature
James Crosby	MV17 ABX	
Delivery/Collection Address		Date and Time
Davy Way LLAY Wrexham		20/4/17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	6F2
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31990
TARE WEIGHT OF VEHICLE	12200
NETT WEIGHT	19790

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M Hughes

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P.P. O'CONNOR

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Conveyance Note

Nº 37656

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLIFORD TRY	

Drivers Name	Vehicle Registration	Signature
S PATTEN	MO16 LLA	

Delivery/Collection Address	Date and Time
STRAND WALK HOLYWELL → LLAY	20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31920
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19420

Imported Materials	
Material	Description
Recycled Aggregate	6F2 HAULAGE ONLY
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Haulage only

P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Nº 042144

Waste Carriers Licence Number CBDU101751	Contract No:	
Customers Name: Gilliford Try		
Drivers Name	Vehicle Registration	Signature
James Crosby	MK14 YFH	
Delivery/Collection Address		Date and Time
Davy Way LLAY Wrexam		20/4/17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31960
TARE WEIGHT OF VEHICLE	12200
NETT WEIGHT	19760

Imported Materials	
Material	**Description**
Recycled Aggregate	6F2
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME M HUGHES

Conditions of Sale: it is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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№ 39508

Waste Carriers Licence Number CBDU101751		Contract No:
Customers Name Galy Ford Try Strand walk Holywell		
Drivers Name	Vehicle Registration	Signature
PHil	MK64MVC	
Delivery/Collection Address		Date and Time
Galy Ford Try Llay Davey Way		20 4 19

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	52
TARE WEIGHT OF VEHICLE	12
NETT WEIGHT	20

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	6F2

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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HAULAGE ONLY

P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 042025

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name:	GALLIFORD TRY

Drivers Name	Vehicle Registration	Signature
RAD	MK64 MKA	RAD

Delivery/Collection Address	Date and Time
STRAND WALK HOLYWELL TO DAVY WAY LLAY WREXHAM	20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	6F2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.0
TARE WEIGHT OF VEHICLE	12.0
NETT WEIGHT	20.0

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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Conveyance Note

№ 41460

Waste Carriers Licence Number CBDU101751		Contract No:
Customers Name: GALIFORDTRY STRAND WALK HONEWELL		
Drivers Name	Vehicle Registration	Signature
LEO	MD16 LWG	
Delivery/Collection Address		Date and Time
GALIFORDTRY DAVY WAY LLAY WREXHAM		20/4/17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	6F2
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32T
TARE WEIGHT OF VEHICLE	12T
NETT WEIGHT	20T

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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№ 36017

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLYFORD TRY	

Drivers Name	Vehicle Registration	Signature
John H	MK64 MFE	

Delivery/Collection Address	Date and Time
DAVY Way Wrotham	20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	6F2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31990
TARE WEIGHT OF VEHICLE	12100
NETT WEIGHT	19890

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME
M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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P.P. O'CONNOR
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MANAGE ONLY

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 042075

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLIFORD	

Drivers Name	Vehicle Registration	Signature
LEE NOLAN	MK66 MVO	

Delivery/Collection Address	Date and Time
DAVY WAY LLAY WREXHAM	20/6/17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	6F2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12100
NETT WEIGHT	19900

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M HUGHES

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P.P. O'CONNOR

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Conveyance Note

Nº 37657

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLIFORD TRY	

Drivers Name	Vehicle Registration	Signature
S. PATTAN	MD16 LWA	

Delivery/Collection Address	Date and Time
STRAND WALK HOLYWELL — LLAY	20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	6F2 HAULAGE ONLY
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31980
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19480

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Haulage Only

P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Nº 042145

Waste Carriers Licence Number CBDU101751	Contract No:	
Customers Name: Gilliford Try		
Drivers Name	Vehicle Registration	Signature
James Crosby	MV17ABX	
Delivery/Collection Address		Date and Time
Davy Way LLAY Wrexham		20/4/17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31910
TARE WEIGHT OF VEHICLE	12200
NETT WEIGHT	19710

Imported Materials	
Material	Description
Recycled Aggregate	6F2
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M Hughes

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P.P. O'CONNOR

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Haulage - owner

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 39509

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: Galyford Try	Strand walk Hyde

Drivers Name	Vehicle Registration	Signature
Paul	MK64 MMC	P

Delivery/Collection Address	Date and Time
Golyford Try Quay Davey Way	20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	6PL

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32
TARE WEIGHT OF VEHICLE	12
NETT WEIGHT	20

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
MS	M Hughes

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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HAULAGE ONLY

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 042026

Waste Carriers Licence Number CBDU101751		Contract No:
Customers Name:	GALLIFORD TRY	
Drivers Name	Vehicle Registration	Signature
RAY	MK64MKA	
Delivery/Collection Address		Date and Time
STRAND WALK HOLYWELL TO DAVYHULME LLAY WREXHAM		20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	6F2

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.0
TARE WEIGHT OF VEHICLE	12.00
NETT WEIGHT	20.0

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME M HUGHES

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HAULAGE ONLY

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

№ 41461

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALIFORDTRY STRAND WALK Holywell	

Drivers Name	Vehicle Registration	Signature
LEO	MD16 LWG	

Delivery/Collection Address	Date and Time
GALIFORDTRY DANY WAY LLAY, WREXHAM	20/4/17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32T
TARE WEIGHT OF VEHICLE	12T
NETT WEIGHT	20T

Imported Materials	
Material	**Description**
Recycled Aggregate	6F2
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M HUGHES

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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No 36018

Waste Carriers Licence Number CBDU101751		Contract No:
Customers Name: Cranleyford TRY		
Drivers Name	Vehicle Registration	Signature
John H	MK64 MFE	
Delivery/Collection Address		Date and Time
DAVY Way Wrexham		20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	6F2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31980
TARE WEIGHT OF VEHICLE	12100
NETT WEIGHT	19880

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Nº 042076

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLIFORD	

Drivers Name	Vehicle Registration	Signature
LEE NORAN	MK66 MVD	L. Noran

Delivery/Collection Address	Date and Time
DAVY WAY CLAY, WREXHAM	20/6/14

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	6F2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12100
NETT WEIGHT	19900

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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HAULAGE ONLY

P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Nº 042022

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLIFORD TRY	

Drivers Name	Vehicle Registration	Signature
RAD	MK64 MKA	RAD

Delivery/Collection Address	Date and Time
STRAND WALK HOLYWELL TO DAIRY WAY LLAY WREXHAM	20.4.17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	6F2

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32 - 0
TARE WEIGHT OF VEHICLE	12 - 0
NETT WEIGHT	20 - 0

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME M Johnson

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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P.P. O'CONNOR
Committed To Excellence

Haulage only

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Nº 36014

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: Gwalliford Trby	

Drivers Name	Vehicle Registration	Signature
John H	MK64 HFC	

Delivery/Collection Address	Date and Time
Strand walk Haywell	20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	6F2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32
TARE WEIGHT OF VEHICLE	12 100
NETT WEIGHT	19900

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	0800
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

P.P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed To Excellence

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Conveyance Note

No 37653

HAULAGE ONLY

Waste Carriers Licence Number CBDU101751		Contract No:
Customers Name: GALLIFORD TRY		
Drivers Name	Vehicle Registration	Signature
S PATTEN	MD16 LWA	
Delivery/Collection Address		Date and Time
STRAND WALK HOLYWELL / FLINT		20-4-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	6F2
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	31920
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19420

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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№ 41871

1007

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: Galliford Try	

Drivers Name	Vehicle Registration	Signature
L Nuttall	MK14 YGY	

Delivery/Collection Address	Date and Time
STRAND WAY Holywell to Dairy Way Lly Wrexham	20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	
TARE WEIGHT OF VEHICLE	
NETT WEIGHT	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M Hughes

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

Nº 41869

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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Waste Carriers Licence Number CBDU101751		Contract No:
Customers Name: Galliford TRY		
Drivers Name	Vehicle Registration	Signature
L Nuttall	MK14 YGY	Lee Nuttall
Delivery/Collection Address		Date and Time
Strand Way Holywell to Davy Way Lley Wrexham		20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	6F2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.00
TARE WEIGHT OF VEHICLE	12.00
NETT WEIGHT	20.00

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

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Irlam, Manchester M44 6NN

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№ 41870

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: Galliford Try	

Drivers Name	Vehicle Registration	Signature
L Nuttall	MT14 YGY	L Nuttall

Delivery/Collection Address	Date and Time
STRAND Walk Holywell to Dany Way Llay Wrexham	20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	6F2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.00
TARE WEIGHT OF VEHICLE	12.00
NETT WEIGHT	20.00

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M Hughes

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Irlam, Manchester M44 6NN

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№ 41868

Waste Carriers Licence Number CBDU101751		Contract No:
Customers Name: Galliford TRY		
Drivers Name	Vehicle Registration	Signature
L Nuttall	YGY	L Nuttall
Delivery/Collection Address		Date and Time
Strand Walk, Bangley Hollywell To Llay Wrexham		20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	OFZ

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32
TARE WEIGHT OF VEHICLE	12
NETT WEIGHT	20

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

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№ 41872

Waste Carriers Licence Number CBDU101751		Contract No:
Customers Name: Galliford Try		
Drivers Name	Vehicle Registration	Signature
L Nuttall	MT14 YGY	
Delivery/Collection Address		Date and Time
Strand Walk Holywell to Pany Way Wrexham		20.4.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	6F2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.00
TARE WEIGHT OF VEHICLE	12.00
NETT WEIGHT	20.00

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M Hughes

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Conveyance Note

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No 32885

100T

Waste Carriers Licence Number CBDU101751	Contract No:	
Customers Name: Galliford Try		
Drivers Name	Vehicle Registration	Signature
Stephen	MX17 ZRF	SS
Delivery/Collection Address		Date and Time
From STRAND WALK Holywell To DAIRYMAN CLOSE LONGHAM		20/4/17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	6F2

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	6F2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32
TARE WEIGHT OF VEHICLE	12
NETT WEIGHT	20

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Haulage Only

Conveyance Note

No 32884

Waste Carriers Licence Number CBDU101751	Contract No:	
Customers Name: Galliford Try		
Drivers Name	Vehicle Registration	Signature
Steph	MX17 ZRP	SS
Delivery/Collection Address		Date and Time
From Strand Wharf Holywell To Dairy Way Clay Wrexham		20/4/17

Off Site Material Category		Weight	Tonne
Spoil - inert		GROSS WEIGHT OF VEHICLE	32
Spoil – Non Hazardous			
Spoil – Hazardous		TARE WEIGHT OF VEHICLE	12
Other - State	6F2		
		NETT WEIGHT	20

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	6F2

TIME ON SITE		STATE REASON FOR WAITING TIME
TIME OFF SITE		
WAITING TIME		
DAYWORK		
CUSTOMERS SIGNATURE		PRINT NAME M HUGHES

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Haulage Conveyance Note

No 32883

Waste Carriers Licence Number CBDU101751	Contract No:	
Customers Name:	GALLIFORD TRY	
Drivers Name	Vehicle Registration	Signature
Stephen	MK17 ZRP	SG
Delivery/Collection Address		Date and Time
From STRAND WATER Holywell To DAWS WAY LLAY Wrexham		20/4/17

Off Site Material Category		Weight	Tonne
Spoil - inert		GROSS WEIGHT OF VEHICLE	32
Spoil – Non Hazardous			
Spoil – Hazardous		TARE WEIGHT OF VEHICLE	12
Other - State	GFR		
Imported Materials		NETT WEIGHT	20
Material	**Description**		
Recycled Aggregate			
Quarried Aggregate			
Other State	GFR		

TIME ON SITE		STATE REASON FOR WAITING TIME
TIME OFF SITE		
WAITING TIME		
DAYWORK		
CUSTOMERS SIGNATURE		PRINT NAME M Watts

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

Nº 32882

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name:	GALLIFORD TRY

Drivers Name	Vehicle Registration	Signature
Steph	MX17 ZRP	SG

Delivery/Collection Address	Date and Time
From STRAND WALK Holywell To DANY WAY LLAY WREXHAM	20/4/17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	✓

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32
TARE WEIGHT OF VEHICLE	12
NETT WEIGHT	20

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	C+2

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M Wood

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 32881

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLIFORD TRY	

Drivers Name	Vehicle Registration	Signature
Stephen	MX17 ZRP	SG

Delivery/Collection Address	Date and Time
From: STRAND WALK HOLYWELL To DAVYWAY LLAY WREXHAM	20/4/17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	6F2

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32
TARE WEIGHT OF VEHICLE	12
NETT WEIGHT	20

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	6F2

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M HUGHES

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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№ 040245

100 TON

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLIFORD TRY STRAND WALK HOLYWELL	

Drivers Name	Vehicle Registration	Signature
STEVE HIGGINSON	MK64 MKV	

Delivery/Collection Address	Date and Time
GALLIFORD TO TRY DAVY WAY LLAY WREXHAM	20-4-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12300
NETT WEIGHT	19700

Imported Materials	
Material	Description
Recycled Aggregate	6F2
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M HUGHES

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee as once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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№ 040244

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLIFORD TRY STRAND WALK HOLYWELL	

Drivers Name	Vehicle Registration	Signature
STEVE HIGGINSON	MK64 MKV	

Delivery/Collection Address	Date and Time
TO GALLIFORD TRY DAVY WAY LLAY WREXHAM	20-4-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	6F2
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12300
NETT WEIGHT	19700

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME
M HUGHES

itions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee nce signed by the consignee represents formal acceptance of the materials in good order and condition, and/or moval off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. ıor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to Connor immediate.

Connor's Terms and Conditions prevail at all times

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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№ 040242

Waste Carriers Licence Number CBDU101751	Contract No:	
Customers Name: GALLIFORD TRY STRAND WALK HOLYWELL		
Drivers Name	Vehicle Registration	Signature
STEVE HIGGINSON	MK64 MKV	

Delivery/Collection Address	Date and Time
GALLIFORD TRY DAVY WAY LLAY WREXHAM	20-4-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	6F2
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12300
NETT WEIGHT	19700

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M WORKS

nditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or ne removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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№ 040243

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLIFORD TRY STRAND WALK HOLYWELL	

Drivers Name	Vehicle Registration	Signature
STEVE HIGGINSON	MK64 MKV	

Delivery/Collection Address	Date and Time
TO GALLIFORD TRY DAWS WAY LLAY WREXHAM	20-4-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	6F2
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12300
NETT WEIGHT	19700

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M HUGHES

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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Nº 040241

Waste Carriers Licence Number CBDU101751	Contract No:
Customers Name: GALLIFORD TRY STRAND WALK HOLYWELL	

Drivers Name	Vehicle Registration	Signature
STEVE HIGGINSON	MK64 NKV	

Delivery/Collection Address	Date and Time
TO GALLIFORD TRY DAVYWAY LLAY WREXHAM	20-4-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	6F2
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32 000
TARE WEIGHT OF VEHICLE	12 300
NETT WEIGHT	19 700

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Irlam, Manchester M44 6NN
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Conveyance Note

№ 050358

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP. O'Connor	

Drivers Name	Vehicle Registration	Signature
Mick	MT64 MLO	

Delivery/Collection Address	Date and Time
Davy Way.	26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GPR
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.500
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	20.00

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME M. Smith

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ite once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or e removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR
Committed To Excellence

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

№ 050359

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP. OCONNOR	

Drivers Name	Vehicle Registration	Signature
Mick	MK66 MLG	

Delivery/Collection Address	Date and Time
Dawg Way	26-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	GF2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.500
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	20.00

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M. Smith

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

P.P.O'Connor's Terms and Conditions prevail at all times

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Conveyance Note

№ 050360

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name:	P.P. OConnor

Drivers Name	Vehicle Registration	Signature
Mick	MK64MUG	

Delivery/Collection Address	Date and Time
Dodg Way	26-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	GFL
Spoil – Hazardous	
Other - State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32.100
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19.600

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE J Johnson

PRINT NAME J Johnson

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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Nº 050362

Waste Carriers Licence Number CBDU101751	Contract No: Colls	
Customers Name: PP. oconnor		
Drivers Name	Vehicle Registration	Signature
Mick	MK64 MVG	
Delivery/Collection Address		Date and Time
Davy Way.		26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	
TARE WEIGHT OF VEHICLE	
NETT WEIGHT	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M. Smith

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Irlam, Manchester M44 6NN
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Conveyance Note

№ 050361

Waste Carriers Licence Number CBDU101751	Contract No: Co115
Customers Name: PP. oconnor	

Drivers Name	Vehicle Registration	Signature
Mick	MK64MUG	

Delivery/Collection Address	Date and Time
Dewsbury.	

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GF2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.300
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19.800

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME John

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Thames Trading Estate, Woodrow Way
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Conveyance Note

№ 050363

Waste Carriers Licence Number CBDU101751	Contract No: C0115
Customers Name: PP. oconnor	

Drivers Name	Vehicle Registration	Signature
Mick	MK64MUC	

Delivery/Collection Address	Date and Time
Dewy Way.	26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	GF2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.500
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	20.00

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M Smith

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

No 050357

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP oConnor	

Drivers Name	Vehicle Registration	Signature
Mick	MK64 MVC	

Delivery/Collection Address	Date and Time
Dewy Lees	27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GF2
Spoil – Hazardous	
Other - State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32.100
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19.600

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

No 050356

Waste Carriers Licence Number CBDU101751	Contract No: Colls	
Customers Name: PP. oconnor		
Drivers Name	Vehicle Registration	Signature
Mick	MK64 MNE	
Delivery/Collection Address		Date and Time
Dewy Way.		27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32.400
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19.90

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME A Lodge

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

№ 050355

Waste Carriers Licence Number CBDU101751	Contract No: Colls	
Customers Name: PP-OConnor		
Drivers Name	Vehicle Registration	Signature
Nick	MK64MX	
Delivery/Collection Address		Date and Time
Dowry Way		27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ite once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or e removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

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Irlam, Manchester M44 6NN

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Conveyance Note

№ 050354

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP OConnor	

Drivers Name	Vehicle Registration	Signature
Mick	MK64 NVC	

Delivery/Collection Address	Date and Time
Dowry Way	27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GF2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	17500
NETT WEIGHT	15000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

IME ON SITE	
IME OFF SITE	
/AITING TIME	
AYWORK	
JSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME T Moore

iditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to O'Connor immediate.

O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed To Excellence

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Conveyance Note

No 050353

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP OConnor	

Drivers Name	Vehicle Registration	Signature
Nick	MK64 TKX	

Delivery/Collection Address	Date and Time
Dawg Way	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GF2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.300
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19.800

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

Nº 050352

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP econnor	

Drivers Name	Vehicle Registration	Signature
Rick	MR64WUC	

Delivery/Collection Address	Date and Time
Dewy Way	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GPZ
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050351

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP OCONNOR	

Drivers Name	Vehicle Registration	Signature
Mick	MK64 MVC	

Delivery/Collection Address	Date and Time
Dawg Lane	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050163

Waste Carriers Licence Number CBDU101751	Contract No: CDS	
Customers Name: POconnor		
Drivers Name	Vehicle Registration	Signature
Delivery/Collection Address		Date and Time
Daygulan		28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
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Nº 050162

Waste Carriers Licence Number CBDU101751	Contract No: Coll 5
Customers Name: Poundt	

Drivers Name	Vehicle Registration	Signature
[illegible]	MK64 MVU	

Delivery/Collection Address	Date and Time
Dowry Way	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2
Other - State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32300
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19800

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

ME ON SITE	
ME OFF SITE	
AITING TIME	
AYWORK	

STATE REASON FOR WAITING TIME

STOMERS SIGNATURE	PRINT NAME

ditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to O'Connor immediate.

D'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

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Conveyance Note

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Irlam, Manchester M44 6NN

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Nº 050161

Waste Carriers Licence Number CBDU101751	Contract No: Coll 3.
Customers Name: Placon	

Drivers Name	Vehicle Registration	Signature
[illegible]	MK64 MVU	

Delivery/Collection Address	Date and Time
Rowleys	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME [illegible]

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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№ 050151

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: P.P. O'Connors	

Drivers Name	Vehicle Registration	Signature
John.	MK 64 MVU	

Delivery/Collection Address	Date and Time
Dovecliff.	26-6-17.

Off Site Material Category	
Spoil - Inert	6F2
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32300
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19800

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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Conveyance Note

Nº 050152

Waste Carriers Licence Number CBDU101751	Contract No: Coll5	
Customers Name: PPOConnor		
Drivers Name	Vehicle Registration	Signature
John	MK64 MUU	
Delivery/Collection Address		Date and Time
Davy Way		26-6-17.

Off Site Material Category		Weight	Tonne
Spoil - inert		GROSS WEIGHT OF VEHICLE	32500
Spoil – Non Hazardous	6F2		
Spoil – Hazardous		TARE WEIGHT OF VEHICLE	12500
Other - State			
Imported Materials		NETT WEIGHT	20000
Material	**Description**		
Recycled Aggregate			
Quarried Aggregate			
Other State			

IME ON SITE		STATE REASON FOR WAITING TIME
IME OFF SITE		
AITING TIME		
AYWORK		
JSTOMERS SIGNATURE		PRINT NAME T/SRich

nditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to O'Connor immediate.

.O'Connor's Terms and Conditions prevail at all times

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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№ 050153

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PPOCONNOR.	

Drivers Name	Vehicle Registration	Signature
John.	MK64MVU	

Delivery/Collection Address	Date and Time
Daejyuan	26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32300
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19800

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

IME ON SITE	
ME OFF SITE	
AITING TIME	
AYWORK	
ISTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME SIG

ditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to O'Connor immediate.

O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed To Excellence

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Nº 050154

Waste Carriers Licence Number CBDU101751	Contract No: Coll5	
Customers Name: POconnor		
Drivers Name	Vehicle Registration	Signature
[illegible]	HK64 HVU	
Delivery/Collection Address		Date and Time
Daywall		26-6-17

Off Site Material Category	
Spoil - inert	6F2
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32300
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19800

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE [signature]

PRINT NAME M SMITH

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
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Nº 050155

Waste Carriers Licence Number CBDU101751	Contract No: Coll 5.
Customers Name: P O'Connor	

Drivers Name	Vehicle Registration	Signature
	MK64 HHL	

Delivery/Collection Address	Date and Time
Doveycliffe	26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32100
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19600

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M SMITH

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

№ 050156

Waste Carriers Licence Number CBDU101751	Contract No: C0115.
Customers Name:	

Drivers Name	Vehicle Registration	Signature
[illegible]	MK64 MUU	

Delivery/Collection Address	Date and Time
Daywalls	27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE S Moore

PRINT NAME S Moore

'onditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ote once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or he removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. l'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to .P. O'Connor immediate.

.P.O'Connor's Terms and Conditions prevail at all times

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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№ 050157

Waste Carriers Licence Number CBDU101751	Contract No: COLLS	
Customers Name: PP O'Connors		
Drivers Name	Vehicle Registration	Signature
John	MK64MVU	
Delivery/Collection Address		Date and Time
Daw Lyons		27-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32300
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19800

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME Moore

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050158

Waste Carriers Licence Number CBDU101751	Contract No: Coll 3	
Customers Name: PPOCONNOR		
Drivers Name	Vehicle Registration	Signature
[illegible]	MK64 MVU	
Delivery/Collection Address		Date and Time
[illegible]		27-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	6F22
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE [signature]

PRINT NAME M. Smith

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ote once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or e removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

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Thames Trading Estate, Woodrow Way
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№ 050159

Waste Carriers Licence Number CBDU101751	Contract No: C0115	
Customers Name: O'Connor		
Drivers Name	Vehicle Registration	Signature
John	MKG4 MVU	
Delivery/Collection Address		Date and Time
Doug Woods		27.6.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6E2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32400
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19900

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE STU

PRINT NAME STU

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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№ 050160

Waste Carriers Licence Number CBDU101751	Contract No: Colf.
Customers Name: PP OCONNOR	

Drivers Name	Vehicle Registration	Signature
[illegible]		

Delivery/Collection Address	Date and Time
[illegible]	22-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

IME ON SITE	
IME OFF SITE	
/AITING TIME	
AYWORK	

STATE REASON FOR WAITING TIME

JSTOMERS SIGNATURE	PRINT NAME

nditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to . O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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Nº 050013

Waste Carriers Licence Number CBDU101751	Contract No: CC115.
Customers Name:	PP O'Connor

Drivers Name	Vehicle Registration	Signature
Peter	MK17 2RR	

Delivery/Collection Address	Date and Time
Davy Way	28-6-17.

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

onditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ote once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or ıe removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. 'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to .P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050012

Waste Carriers Licence Number CBDU101751	Contract No: COLLS
Customers Name: PPO corner	

Drivers Name	Vehicle Registration	Signature
Peter	MX17 2RR	

Delivery/Collection Address	Date and Time
Davy Way	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19500

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

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Nº 050011

Waste Carriers Licence Number CBDU101751	Contract No: C0115
Customers Name: PPO Cornwall	

Drivers Name	Vehicle Registration	Signature
Peter	MX17 2RR	

Delivery/Collection Address	Date and Time
Davy Ward	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

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Nº 050010

Waste Carriers Licence Number CBDU101751	Contract No: C0115.
Customers Name: PPO connor	

Drivers Name	Vehicle Registration	Signature
Peter	MX 17 2RR	

Delivery/Collection Address	Date and Time
Pavey Way	27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

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Conveyance Note

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Irlam, Manchester M44 6NN

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Nº 050009

Waste Carriers Licence Number CBDU101751	Contract No: C0115
Customers Name: PP O'Connor	

Drivers Name	Vehicle Registration	Signature
Peter	MX17 2RK	

Delivery/Collection Address	Date and Time
Dawy Way	27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE M Johnson

PRINT NAME M Johnson

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ote once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or he removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. 'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to .P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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№ 050008

Waste Carriers Licence Number CBDU101751	Contract No: C0115	
Customers Name: PPOconnor.		
Drivers Name	Vehicle Registration	Signature
Peter	WX17 2RR	
Delivery/Collection Address		Date and Time
Day Way		27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19500

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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№ 050007

Waste Carriers Licence Number CBDU101751	Contract No: C0115.
Customers Name:	PPO connor.

Drivers Name	Vehicle Registration	Signature
Peter	MK17 2RR	

Delivery/Collection Address	Date and Time
Dog Way	27-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	6F2.
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

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Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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№ 050006

Waste Carriers Licence Number CBDU101751		Contract No: C0115
Customers Name: PPO CONNOR		
Drivers Name	Vehicle Registration	Signature
Peter	MX17 2RR	
Delivery/Collection Address		Date and Time
Pavy Way		27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19500

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

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Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050005

Waste Carriers Licence Number CBDU101751	Contract No: C0115.
Customers Name: PPO corner.	

Drivers Name	Vehicle Registration	Signature
Peter	MX 172 RR	

Delivery/Collection Address	Date and Time
Day Work	26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19500

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME W Johns

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ote once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or e removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050004

Waste Carriers Licence Number CBDU101751	Contract No: C0115	
Customers Name: PP O'Connor.		
Drivers Name	**Vehicle Registration**	**Signature**
Peter	MX17 2RK	
Delivery/Collection Address	**Date and Time**	
Dairy Way	26-6-17	

Off Site Material Category		**Weight**	**Tonne**
Spoil - inert		GROSS WEIGHT OF VEHICLE	32500
Spoil – Non Hazardous	6F2		
Spoil – Hazardous		TARE WEIGHT OF VEHICLE	12500
Other - State			
Imported Materials		NETT WEIGHT	20000
Material	**Description**		
Recycled Aggregate			
Quarried Aggregate			
Other State			

TIME ON SITE		STATE REASON FOR WAITING TIME
TIME OFF SITE		
WAITING TIME		
DAYWORK		
CUSTOMERS SIGNATURE		PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ite once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or e removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

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P.P. O'CONNOR
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Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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Conveyance Note

№ 050003

Waste Carriers Licence Number CBDU101751	Contract No: CO115.
Customers Name: PP O'Connor.	

Drivers Name	Vehicle Registration	Signature
Peter	MX172RK	

Delivery/Collection Address	Date and Time
Davy Way	26-6-17.

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2.
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19500.

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

IME ON SITE	
ME OFF SITE	
AITING TIME	
AYWORK	

STATE REASON FOR WAITING TIME

STOMERS SIGNATURE	PRINT NAME

ditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to O'Connor immediate.

O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed To Excellence

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Nº 050002

Waste Carriers Licence Number CBDU101751	Contract No: C0115.
Customers Name: PP O'Connor.	

Drivers Name	Vehicle Registration	Signature
Peter	MX172KR	

Delivery/Collection Address	Date and Time
Dawy Way	26-6-17.

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2.
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19500

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

IME ON SITE	
IME OFF SITE	
AITING TIME	
AYWORK	

STATE REASON FOR WAITING TIME

USTOMERS SIGNATURE

PRINT NAME

nditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to . O'Connor immediate.

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P.P. O'CONNOR
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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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№ 050001

Waste Carriers Licence Number CBDU101751		Contract No: C0115.
Customers Name:		P P O connor
Drivers Name	Vehicle Registration	Signature
Peter	MX 17 2KR	
Delivery/Collection Address		Date and Time
Dawy Way		26-6-17.

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2.
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

P.P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR
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Thames Trading Estate, Woodrow Way
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Conveyance Note

№ 050358

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP. O'Connor	

Drivers Name	Vehicle Registration	Signature
Mick	MT64 MLO	

Delivery/Collection Address	Date and Time
Davy Way.	26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GPR
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.500
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	20.00

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME M. Smith

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ite once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or e removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR
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Conveyance Note

Thames Trading Estate, Woodrow Way
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№ 050359

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP. OCONNOR	

Drivers Name	Vehicle Registration	Signature
Mick	MK66 MLG	

Delivery/Collection Address	Date and Time
Dawg Way	26-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	GF2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.500
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	20.00

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M. Smith

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

№ 050360

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name:	P.P. OConnor

Drivers Name	Vehicle Registration	Signature
Mick	MK64MUG	

Delivery/Collection Address	Date and Time
Dodg Way	26-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	GFL
Spoil – Hazardous	
Other - State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32.100
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19.600

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE J Johnson

PRINT NAME J Johnson

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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Nº 050362

Waste Carriers Licence Number CBDU101751	Contract No: Colls	
Customers Name: PP. oconnor		
Drivers Name	Vehicle Registration	Signature
Mick	MK64 MVG	
Delivery/Collection Address		Date and Time
Davy Way.		26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	
TARE WEIGHT OF VEHICLE	
NETT WEIGHT	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M. Smith

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

№ 050361

Waste Carriers Licence Number CBDU101751	Contract No: Co115
Customers Name: PP. oconnor	

Drivers Name	Vehicle Registration	Signature
Mick	MK64MUG	

Delivery/Collection Address	Date and Time
Dewsbury.	

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GF2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.300
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19.800

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME John

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

№ 050363

Waste Carriers Licence Number CBDU101751	Contract No: C0115
Customers Name: PP. oconnor	

Drivers Name	Vehicle Registration	Signature
Mick	MK64MUC	

Delivery/Collection Address	Date and Time
Dewy Way.	26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	GF2

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.500
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	20.00

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE	PRINT NAME
	M Smith

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

No 050357

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP oConnor	

Drivers Name	Vehicle Registration	Signature
Mick	MK64 MVC	

Delivery/Collection Address	Date and Time
Dewy Lees	27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GF2
Spoil – Hazardous	
Other - State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32.100
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19.600

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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P.P. O'CONNOR
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Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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Conveyance Note

No 050356

Waste Carriers Licence Number CBDU101751	Contract No: Colls	
Customers Name: PP. oconnor		
Drivers Name	Vehicle Registration	Signature
Mick	MK64 MNE	
Delivery/Collection Address		Date and Time
Dewy Way.		27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32.400
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19.90

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME A Lodge

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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P.P. O'CONNOR
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Thames Trading Estate, Woodrow Way
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Conveyance Note

№ 050355

Waste Carriers Licence Number CBDU101751	Contract No: Colls	
Customers Name: PP-OConnor		
Drivers Name	Vehicle Registration	Signature
Nick	MK64MX	
Delivery/Collection Address		Date and Time
Dowry Way		27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ite once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or e removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

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Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Conveyance Note

№ 050354

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP OConnor	

Drivers Name	Vehicle Registration	Signature
Mick	MK64 NVC	

Delivery/Collection Address	Date and Time
Dowry Way	27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GF2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	17500
NETT WEIGHT	15000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

IME ON SITE	
IME OFF SITE	
/AITING TIME	
AYWORK	
JSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME T Moore

iditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to O'Connor immediate.

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Irlam, Manchester M44 6NN

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Conveyance Note

No 050353

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP OConnor	

Drivers Name	Vehicle Registration	Signature
Nick	MK64 TKX	

Delivery/Collection Address	Date and Time
Dawg Way	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GF2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32.300
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19.800

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Irlam, Manchester M44 6NN
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Conveyance Note

Nº 050352

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP econnor	

Drivers Name	Vehicle Registration	Signature
Rick	MR64WUC	

Delivery/Collection Address	Date and Time
Dewy Way	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	GPZ
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050351

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PP OCONNOR	

Drivers Name	Vehicle Registration	Signature
Mick	MK64 MVC	

Delivery/Collection Address	Date and Time
Dawg Lane	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050163

Waste Carriers Licence Number CBDU101751	Contract No: CDS	
Customers Name: POconnor		
Drivers Name	Vehicle Registration	Signature
Delivery/Collection Address		Date and Time
Daygulan		28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050162

Waste Carriers Licence Number CBDU101751	Contract No: Coll 5
Customers Name: Poundt	

Drivers Name	Vehicle Registration	Signature
[illegible]	MK64 MVU	

Delivery/Collection Address	Date and Time
Dowry Way	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2
Other - State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32300
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19800

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

ME ON SITE	
ME OFF SITE	
AITING TIME	
AYWORK	

STATE REASON FOR WAITING TIME

STOMERS SIGNATURE	PRINT NAME

ditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to O'Connor immediate.

D'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050161

Waste Carriers Licence Number CBDU101751	Contract No: Coll 3.
Customers Name: Placon	

Drivers Name	Vehicle Registration	Signature
[illegible]	MK64 MVU	

Delivery/Collection Address	Date and Time
Rowleys	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME [illegible]

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed to Excellence

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

№ 050151

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: P.P. O'Connors	

Drivers Name	Vehicle Registration	Signature
John.	MK 64 MVU	

Delivery/Collection Address	Date and Time
Dovecliff.	26-6-17.

Off Site Material Category	
Spoil - Inert	6F2
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32300
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19800

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Irlam, Manchester M44 6NN
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Conveyance Note

Nº 050152

Waste Carriers Licence Number CBDU101751	Contract No: Coll5	
Customers Name: PPOConnor		
Drivers Name	Vehicle Registration	Signature
John	MK64 MUU	
Delivery/Collection Address		Date and Time
Davy Way		26-6-17.

Off Site Material Category		Weight	Tonne
Spoil - inert		GROSS WEIGHT OF VEHICLE	32500
Spoil – Non Hazardous	6F2		
Spoil – Hazardous		TARE WEIGHT OF VEHICLE	12500
Other - State			
Imported Materials		NETT WEIGHT	20000
Material	**Description**		
Recycled Aggregate			
Quarried Aggregate			
Other State			

IME ON SITE		STATE REASON FOR WAITING TIME
IME OFF SITE		
AITING TIME		
AYWORK		
JSTOMERS SIGNATURE		PRINT NAME T/SRich

nditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to O'Connor immediate.

.O'Connor's Terms and Conditions prevail at all times

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Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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№ 050153

Waste Carriers Licence Number CBDU101751	Contract No: Colls
Customers Name: PPOCONNOR.	

Drivers Name	Vehicle Registration	Signature
John.	MK64MVU	

Delivery/Collection Address	Date and Time
Daejyuan	26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32300
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19800

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

IME ON SITE	
ME OFF SITE	
AITING TIME	
AYWORK	
ISTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME SIG

ditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to O'Connor immediate.

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Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050154

Waste Carriers Licence Number CBDU101751	Contract No: Coll5	
Customers Name: POconnor		
Drivers Name	Vehicle Registration	Signature
[illegible]	HK64 HVU	
Delivery/Collection Address		Date and Time
Daywall		26-6-17

Off Site Material Category	
Spoil - inert	6F2
Spoil – Non Hazardous	
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32300
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19800

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE [signature]

PRINT NAME M SMITH

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Thames Trading Estate, Woodrow Way
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Nº 050155

Waste Carriers Licence Number CBDU101751	Contract No: Coll 5.
Customers Name: P O'Connor	

Drivers Name	Vehicle Registration	Signature
	MK64 HHL	

Delivery/Collection Address	Date and Time
Doveycliffe	26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32100
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19600

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME M SMITH

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

№ 050156

Waste Carriers Licence Number CBDU101751	Contract No: C0115.
Customers Name:	

Drivers Name	Vehicle Registration	Signature
[illegible]	MK64 MUU	

Delivery/Collection Address	Date and Time
Daywalls	27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE S Moore

PRINT NAME S Moore

'onditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ote once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or he removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. l'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to .P. O'Connor immediate.

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Thames Trading Estate, Woodrow Way
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№ 050157

Waste Carriers Licence Number CBDU101751	Contract No: COLLS	
Customers Name: PP O'Connors		
Drivers Name	Vehicle Registration	Signature
John	MK64MVU	
Delivery/Collection Address		Date and Time
Daw Lyons		27-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32300
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19800

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME Moore

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Thames Trading Estate, Woodrow Way
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Nº 050158

Waste Carriers Licence Number CBDU101751	Contract No: Coll 3	
Customers Name: PPOCONNOR		
Drivers Name	Vehicle Registration	Signature
[illegible]	MK64 MVU	
Delivery/Collection Address		Date and Time
[illegible]		27-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	6F22
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE [signature]

PRINT NAME M. Smith

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ote once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or e removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

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Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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№ 050159

Waste Carriers Licence Number CBDU101751	Contract No: C0115	
Customers Name: O'Connor		
Drivers Name	Vehicle Registration	Signature
John	MKG4 MVU	
Delivery/Collection Address		Date and Time
Doug Woods		27.6.17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6E2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32400
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19900

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE STU

PRINT NAME STU

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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№ 050160

Waste Carriers Licence Number CBDU101751	Contract No: Colf.
Customers Name: PP OCONNOR	

Drivers Name	Vehicle Registration	Signature
[illegible]		

Delivery/Collection Address	Date and Time
[illegible]	22-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

IME ON SITE	
IME OFF SITE	
/AITING TIME	
AYWORK	

STATE REASON FOR WAITING TIME

JSTOMERS SIGNATURE	PRINT NAME

nditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to . O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
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Nº 050013

Waste Carriers Licence Number CBDU101751	Contract No: CC115.
Customers Name:	PP O'Connor

Drivers Name	Vehicle Registration	Signature
Peter	MK17 2RR	

Delivery/Collection Address	Date and Time
Davy Way	28-6-17.

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	**Tonne**
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

onditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ote once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or ıe removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. 'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to .P. O'Connor immediate.

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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Nº 050012

Waste Carriers Licence Number CBDU101751	Contract No: COLLS
Customers Name: PPO corner	

Drivers Name	Vehicle Registration	Signature
Peter	MX17 2RR	

Delivery/Collection Address	Date and Time
Davy Way	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19500

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

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Nº 050011

Waste Carriers Licence Number CBDU101751	Contract No: C0115
Customers Name: PPO Cornwall	

Drivers Name	Vehicle Registration	Signature
Peter	MX17 2RR	

Delivery/Collection Address	Date and Time
Davy Ward	28-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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Conveyance Note

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Irlam, Manchester M44 6NN

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Nº 050010

Waste Carriers Licence Number CBDU101751	Contract No: C0115.
Customers Name: PPO connor	

Drivers Name	Vehicle Registration	Signature
Peter	MX 17 2RR	

Delivery/Collection Address	Date and Time
Pavey Way	27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

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Conveyance Note

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Irlam, Manchester M44 6NN

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Nº 050009

Waste Carriers Licence Number CBDU101751	Contract No: C0115
Customers Name: PP O'Connor	

Drivers Name	Vehicle Registration	Signature
Peter	MX17 2RK	

Delivery/Collection Address	Date and Time
Dawy Way	27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE M Johnson

PRINT NAME M Johnson

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ote once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or he removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. 'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to .P. O'Connor immediate.

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

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№ 050008

Waste Carriers Licence Number CBDU101751	Contract No: C0115	
Customers Name: PPOconnor.		
Drivers Name	Vehicle Registration	Signature
Peter	WX17 2RR	
Delivery/Collection Address		Date and Time
Day Way		27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2
Other - State	

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19500

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

№ 050007

Waste Carriers Licence Number CBDU101751	Contract No: C0115.
Customers Name:	PPO connor.

Drivers Name	Vehicle Registration	Signature
Peter	MK17 2RR	

Delivery/Collection Address	Date and Time
Dog Way	27-6-17

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	6F2.
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	20000

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

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P.P. O'CONNOR

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Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

№ 050006

Waste Carriers Licence Number CBDU101751		Contract No: C0115
Customers Name: PPO CONNOR		
Drivers Name	Vehicle Registration	Signature
Peter	MX17 2RR	
Delivery/Collection Address		Date and Time
Pavy Way		27-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19500

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee before once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed to Excellence

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Nº 050005

Waste Carriers Licence Number CBDU101751	Contract No: C0115.
Customers Name: PPO corner.	

Drivers Name	Vehicle Registration	Signature
Peter	MX 172 RR	

Delivery/Collection Address	Date and Time
Day Work	26-6-17

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12500
NETT WEIGHT	19500

Imported Materials	
Material	Description
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	

STATE REASON FOR WAITING TIME

CUSTOMERS SIGNATURE

PRINT NAME W Johns

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ote once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or e removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed To Excellence

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Nº 050004

Waste Carriers Licence Number CBDU101751	Contract No: C0115	
Customers Name: PP O'Connor.		
Drivers Name	**Vehicle Registration**	**Signature**
Peter	MX17 2RK	
Delivery/Collection Address	**Date and Time**	
Dairy Way	26-6-17	

Off Site Material Category		**Weight**	**Tonne**
Spoil - inert		GROSS WEIGHT OF VEHICLE	32500
Spoil – Non Hazardous	6F2		
Spoil – Hazardous		TARE WEIGHT OF VEHICLE	12500
Other - State			
Imported Materials		NETT WEIGHT	20000
Material	**Description**		
Recycled Aggregate			
Quarried Aggregate			
Other State			

TIME ON SITE		STATE REASON FOR WAITING TIME
TIME OFF SITE		
WAITING TIME		
DAYWORK		
CUSTOMERS SIGNATURE		PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee ite once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or e removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P. O'Connor immediate.

P.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR
Committed To Excellence

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Conveyance Note

№ 050003

Waste Carriers Licence Number CBDU101751	Contract No: CO115.
Customers Name: PP O'Connor.	

Drivers Name	Vehicle Registration	Signature
Peter	MX172RK	

Delivery/Collection Address	Date and Time
Davy Way	26-6-17.

Off Site Material Category	
Spoil - Inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2.
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19500.

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

IME ON SITE	
ME OFF SITE	
AITING TIME	
AYWORK	

STATE REASON FOR WAITING TIME

STOMERS SIGNATURE	PRINT NAME

ditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to O'Connor immediate.

O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR

Committed To Excellence

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN

This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

Nº 050002

Waste Carriers Licence Number CBDU101751	Contract No: C0115.
Customers Name: PP O'Connor.	

Drivers Name	Vehicle Registration	Signature
Peter	MX172KR	

Delivery/Collection Address	Date and Time
Dawy Way	26-6-17.

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	
Spoil – Hazardous	6F2.
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32000
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	19500

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

IME ON SITE	
IME OFF SITE	
AITING TIME	
AYWORK	

STATE REASON FOR WAITING TIME

USTOMERS SIGNATURE

PRINT NAME

nditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee e once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. onnor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to . O'Connor immediate.

.O'Connor's Terms and Conditions prevail at all times

P.P. O'CONNOR
Committed to Excellence

Conveyance Note

Thames Trading Estate, Woodrow Way
Irlam, Manchester M44 6NN
This material has been produced in accordance with P.P. O'Connor's protocol for the production of Recycled Aggregates

№ 050001

Waste Carriers Licence Number CBDU101751		Contract No: C0115.
Customers Name:		P P O connor
Drivers Name	Vehicle Registration	Signature
Peter	MX 17 2KR	
Delivery/Collection Address		Date and Time
Dawy Way		26-6-17.

Off Site Material Category	
Spoil - inert	
Spoil – Non Hazardous	6F2.
Spoil – Hazardous	
Other - State	

Weight	Tonne
GROSS WEIGHT OF VEHICLE	32500
TARE WEIGHT OF VEHICLE	12.500
NETT WEIGHT	20000

Imported Materials	
Material	**Description**
Recycled Aggregate	
Quarried Aggregate	
Other State	

TIME ON SITE	
TIME OFF SITE	
WAITING TIME	
DAYWORK	
CUSTOMERS SIGNATURE	

STATE REASON FOR WAITING TIME

PRINT NAME

Conditions of Sale: It is essential that all of the written particulars entered above should be checked by the consignee note once signed by the consignee represents formal acceptance of the materials in good order and condition, and/or the removal off site of the waste produced, and subsequent complaints and or claims cannot be accepted by P.P. O'Connor. All complaints, whatever in nature must be made to the driver of the vehicle and be confirmed in writing to P.P. O'Connor immediate.

P.P.O'Connor's Terms and Conditions prevail at all times

Date	Ticket No	Weight/Load	Quarry/Eccles New	In/Out	Contract	Area/Invoiced	Product	Supply only
26/06/2017	50358	1.000	EN	In	CO115		Spoil	
26/06/2017	50359	1.000	EN	In	CO115		Spoil	
26/06/2017	50360	1.000	EN	In	CO115		Spoil	
26/06/2017	50361	1.000	EN	In	CO115		Spoil	
26/06/2017	50362	1.000	EN	In	CO115		Spoil	
26/06/2017	50363	1.000	EN	In	CO115		Spoil	
26/06/2017	50151	1.000	EN	In	CO115		Spoil	
26/06/2017	50152	1.000	EN	In	CO115		Spoil	
26/06/2017	50153	1.000	EN	In	CO115		Spoil	
26/06/2017	50154	1.000	EN	In	CO115		Spoil	
26/06/2017	50155	1.000	EN	In	CO115		Spoil	
26/06/2017	50001	1.000	EN	In	CO115		Spoil	
26/06/2017	50002	1.000	EN	In	CO115		Spoil	
26/06/2017	50003	1.000	EN	In	CO115		Spoil	
26/06/2017	50004	1.000	EN	In	CO115		Spoil	
26/06/2017	50005	1.000	EN	In	CO115		Spoil	
27/06/2017	50357	1.000	EN	In	CO115		Spoil	
27/06/2017	50356	1.000	EN	In	CO115		Spoil	
27/06/2017	50355	1.000	EN	In	CO115		Spoil	
27/06/2017	50354	1.000	EN	In	CO115		Spoil	
27/06/2017	50156	1.000	EN	In	CO115		Spoil	
27/06/2017	50157	1.000	EN	In	CO115		Spoil	
27/06/2017	50158	1.000	EN	In	CO115		Spoil	
27/06/2017	50159	1.000	EN	In	CO115		Spoil	
27/06/2017	50160	1.000	EN	In	CO115		Spoil	
27/06/2017	50006	1.000	EN	In	CO115		Spoil	
27/06/2017	50007	1.000	EN	In	CO115		Spoil	
27/06/2017	50008	1.000	EN	In	CO115		Spoil	
27/06/2017	50009	1.000	EN	In	CO115		Spoil	
27/06/2017	50010	1.000	EN	In	CO115		Spoil	
28/06/2017	50351	1.000	EN	In	CO115		Spoil	
28/06/2017	50352	1.000	EN	In	CO115		Spoil	
28/06/2017	50353	1.000	EN	In	CO115		Spoil	
28/06/2017	50011	1.000	EN	In	CO115		Spoil	
28/06/2017	50012	1.000	EN	In	CO115		Spoil	
28/06/2017	50013	1.000	EN	In	CO115		Spoil	
28/06/2017	50161	1.000	EN	In	CO115		Spoil	
28/06/2017	50162	1.000	EN	In	CO115		Spoil	
28/06/2017	50163	1.000	EN	In	CO115		Spoil	

Supplemental Material Delivered Sheet

Ref: CO115 / 0001

	Date	Order No.	Supplier	Description	Delivery Ticket Number	Quantity	Unit	Rate	Cost	Invoice Ref
1	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	36016	1.00	Load		£ -	
2	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42024	1.00	Load		£ -	
3	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	41459	1.00	Load		£ -	
4	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42074	1.00	Load		£ -	
5	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42072	1.00	Load		£ -	
6	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	37654	1.00	Load		£ -	
7	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42023	1.00	Load		£ -	
8	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	41458	1.00	Load		£ -	
9	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42073	1.00	Load		£ -	
10	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	36015	1.00	Load		£ -	
11	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	37655	1.00	Load		£ -	
12	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42143	1.00	Load		£ -	
13	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	37656	1.00	Load		£ -	
14	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42144	1.00	Load		£ -	
15	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	39508	1.00	Load		£ -	
16	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42025	1.00	Load		£ -	
17	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	41460	1.00	Load		£ -	
18	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	36017	1.00	Load		£ -	
19	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42075	1.00	Load		£ -	
20	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	37657	1.00	Load		£ -	
21	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42145	1.00	Load		£ -	
22	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	39509	1.00	Load		£ -	
23	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42026	1.00	Load		£ -	
24	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	41461	1.00	Load		£ -	
25	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	36018	1.00	Load		£ -	
26	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42076	1.00	Load		£ -	
27	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	42022	1.00	Load		£ -	
28	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	36014	1.00	Load		£ -	
29	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	37653	1.00	Load		£ -	
30	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	41871	1.00	Load		£ -	
31	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	41869	1.00	Load		£ -	
32	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	41870	1.00	Load		£ -	
33	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	41868	1.00	Load		£ -	
34	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	41872	1.00	Load		£ -	
35	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	32885	1.00	Load		£ -	
36	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	32884	1.00	Load		£ -	
37	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	32883	1.00	Load		£ -	
38	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	32882	1.00	Load		£ -	
39	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	32881	1.00	Load		£ -	
40	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	40245	1.00	Load		£ -	
41	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	40244	1.00	Load		£ -	
42	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	40242	1.00	Load		£ -	
43	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	40243	1.00	Load		£ -	
44	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	40241	1.00	Load		£ -	
45	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	37652	1.00	Load		£ -	
46	20/04/2017		PP O'Connor	6F2 (Haulage Only, Hollywell to Wrexham)	41457	1.00	Load		£ -	
47	24/04/2017	YO 000034	PP O'Connor	6F2	39053	19.68	Tonnes		£ -	
48	24/04/2017	YO 000034	PP O'Connor	6F2	39054	19.67	Tonnes		£ -	
49	24/04/2017	YO 000034	PP O'Connor	6F2	39055	19.70	Tonnes		£ -	
50	24/04/2017	YO 000034	PP O'Connor	6F2	39515	20.00	Tonnes		£ -	
51	24/04/2017	YO 000034	PP O'Connor	6F2	39514	20.00	Tonnes		£ -	
52	24/04/2017	YO 000034	PP O'Connor	6F2	39513	20.00	Tonnes		£ -	
53	24/04/2017	YO 000034	PP O'Connor	6F2	39512	20.00	Tonnes		£ -	
54	24/04/2017	YO 000034	PP O'Connor	6F2	39511	20.00	Tonnes		£ -	
55	24/04/2017	YO 000034	PP O'Connor	6F2	39510	20.00	Tonnes		£ -	
56	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39583	19.50	Tonnes		£ -	
57	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39879	28.92	Tonnes		£ -	
58	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	41574	28.70	Tonnes		£ -	
59	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	41483	19.68	Tonnes		£ -	
60	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39531	19.02	Tonnes		£ -	
61	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	42049	19.48	Tonnes		£ -	
62	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	41482	19.58	Tonnes		£ -	
63	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39870	28.64	Tonnes		£ -	
64	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39146	28.56	Tonnes		£ -	
65	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39582	19.32	Tonnes		£ -	
66	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	41573	28.48	Tonnes		£ -	
67	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39530	19.50	Tonnes		£ -	
68	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	42048	19.60	Tonnes		£ -	
69	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39581	19.24	Tonnes		£ -	
70	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	41572	28.50	Tonnes		£ -	
71	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	41481	19.62	Tonnes		£ -	
72	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39529	19.22	Tonnes		£ -	
73	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	42047	19.56	Tonnes		£ -	
74	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39144	28.84	Tonnes		£ -	
75	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39876	28.46	Tonnes		£ -	
76	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39580	19.50	Tonnes		£ -	
77	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	41571	28.38	Tonnes		£ -	
78	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	41480	19.64	Tonnes		£ -	
79	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39528	19.50	Tonnes		£ -	
80	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	42036	19.90	Tonnes		£ -	
81	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39874	28.72	Tonnes		£ -	
82	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39143	28.40	Tonnes		£ -	
83	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39579	19.50	Tonnes		£ -	
84	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	41570	28.40	Tonnes		£ -	
85	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	42045	19.68	Tonnes		£ -	
86	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39527	19.36	Tonnes		£ -	
87	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	41479	19.68	Tonnes		£ -	
88	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39877	28.76	Tonnes		£ -	
89	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39145	28.44	Tonnes		£ -	
90	26/04/2017	YO 000048	PP O'Connor	MOT Type 1	39147	28.58	Tonnes		£ -	
91	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39574	19.50	Tonnes		£ -	
92	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	42039	19.58	Tonnes		£ -	
93	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	41474	19.96	Tonnes		£ -	
94	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39521	18.80	Tonnes		£ -	
95	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	41564	28.66	Tonnes		£ -	
96	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39871	28.76	Tonnes		£ -	
97	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39138	28.58	Tonnes		£ -	
98	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	42040	19.68	Tonnes		£ -	
99	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	41475	19.58	Tonnes		£ -	
100	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39137	28.58	Tonnes		£ -	
101	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39522	19.86	Tonnes		£ -	
102	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	41565	28.60	Tonnes		£ -	
103	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39575	19.48	Tonnes		£ -	
104	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39523	18.90	Tonnes		£ -	
105	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39139	28.62	Tonnes		£ -	
106	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	42041	20.00	Tonnes		£ -	
107	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	41476	19.66	Tonnes		£ -	
108	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39576	19.80	Tonnes		£ -	
109	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39524	19.14	Tonnes		£ -	
110	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	41567	28.70	Tonnes		£ -	
111	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	42042	19.42	Tonnes		£ -	
112	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	41477	19.72	Tonnes		£ -	

113	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39140	28.64	Tonnes		£ -	
114	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39872	28.46	Tonnes		£ -	
115	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	41478	19.64	Tonnes		£ -	
116	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39873	28.36	Tonnes		£ -	
117	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	42043	19.70	Tonnes		£ -	
118	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39141	28.88	Tonnes		£ -	
119	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	41568	28.62	Tonnes		£ -	
120	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39578	19.16	Tonnes		£ -	
121	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39577	19.50	Tonnes		£ -	
122	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39526	19.50	Tonnes		£ -	
123	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39525	19.12	Tonnes		£ -	
124	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	42044	19.74	Tonnes		£ -	
125	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	39142	28.96	Tonnes		£ -	
126	25/04/2017	YO 000048	PP O'Connor	MOT Type 1	41569	28.66	Tonnes		£ -	
127	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39860	28.16	Tonnes		£ -	
128	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41473	19.62	Tonnes		£ -	
129	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39056	19.66	Tonnes		£ -	
130	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	42033	19.46	Tonnes		£ -	
131	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39865	29.00	Tonnes		£ -	
132	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41558	28.30	Tonnes		£ -	
133	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39569	19.62	Tonnes		£ -	
134	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41468	19.56	Tonnes		£ -	
135	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39052	19.56	Tonnes		£ -	
136	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	42034	19.66	Tonnes		£ -	
137	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39866	28.04	Tonnes		£ -	
138	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41559	28.56	Tonnes		£ -	
139	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41469	19.49	Tonnes		£ -	
140	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39570	18.94	Tonnes		£ -	
141	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	42035	19.56	Tonnes		£ -	
142	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39517	19.26	Tonnes		£ -	
143	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39867	28.52	Tonnes		£ -	
144	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41560	28.58	Tonnes		£ -	
145	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41470	19.60	Tonnes		£ -	
146	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39571	18.80	Tonnes		£ -	
147	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	42036	19.74	Tonnes		£ -	
148	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39518	18.88	Tonnes		£ -	
149	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41471	19.62	Tonnes		£ -	
150	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41561	28.50	Tonnes		£ -	
151	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	42037	19.52	Tonnes		£ -	
152	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39572	19.00	Tonnes		£ -	
153	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39519	18.44	Tonnes		£ -	
154	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39869	28.48	Tonnes		£ -	
155	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41562	28.78	Tonnes		£ -	
156	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41472	19.62	Tonnes		£ -	
157	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	42038	19.62	Tonnes		£ -	
158	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	41563	28.58	Tonnes		£ -	
159	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39520	19.04	Tonnes		£ -	
160	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39573	18.42	Tonnes		£ -	
161	24/04/2017	YO 000048	PP O'Connor	MOT Type 1	39870	28.62	Tonnes		£ -	
162	24/04/2017	YO 000048	PP O'Connor	10mm Pipe Bedding	41579	28.82	Tonnes		£ -	
163	24/04/2017	YO 000048	PP O'Connor	6mm Pipe Bedding	41578	28.94	Tonnes		£ -	
164	24/04/2017	YO 000048	PP O'Connor	10mm Pipe Bedding	41577	28.80	Tonnes		£ -	
165	24/04/2017	YO 000048	PP O'Connor	10mm Pipe Bedding	41575	28.80	Tonnes		£ -	
166	24/04/2017	YO 000048	PP O'Connor	10mm Pipe Bedding	41576	28.92	Tonnes		£ -	
167										
168										
169										
170										
171										
172										
173										
174										
175										
176										
177										
178										
179									£ -	
						2,805.52			£ -	

WYG ENVIRONMENT
Quay West at MediaCityUK,
Trafford Wharf Road,
Trafford Park,
Manchester, M17 1HH

SITE REPORT

Site: Wrexham Custody Facility
Date: 14/06/18
Name of WYG Engineer: Alex Lamb
Job No: A098075
Weather: Sunny spells, windy and dry
Visiting: Jon Reynolds – site manager

Works in Progress:

WYG were requested to visit the site on 14th June 2018 to carry out sampling of 5000m^3 of site won material from two soil bunds which are to be used for ecological purposes. The works were undertaken in accordance with the Materials Management Plan (MMP) for the site dated June 2018.

Discussions:

In line with the WYG Remediation Strategy dated November 2016 for site won material, a total of 20 samples were taken and submitted for laboratory analysis (1 per 250 m^3). The southernmost bund (running along southern boundary) was approximately 3500 m^3 and the bund to the south of the car park was approximately 1500m^3.

A photographic record of the two bunds is provided below. The soil samples were submitted for laboratory analysis of pH, free/total cyanide, arsenic, water soluble boron, cadmium, asbestos screen, hexavalent chromium, copper, lead, mercury, nickel, selenium, zinc, phenols (monohydric), TPHs, speciated Poly Aromatic Hydrocarbons (PAHs) and Volatile Organic Compounds (VOCs).

Chemical results and conclusions are also given below. The chemical results of which are appended to this report.

Site Visit Photographic Record:

Overall the site won material comprised of light brown slightly sandy gravelly Clay. Gravel was sub-angular to angular fine to coarse brick, concrete and various mixed lithologies.

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SITE REPORT

General Photos – Southernmost Bund (Samples SP01 to SP14)





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SITE REPORT





SITE REPORT





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SITE REPORT

General Photos – Bund to South of Car Park (Samples SP15 to SP20)





SITE REPORT





Chemical Testing Results:

Chemical results were assessed by comparison with the validation criteria outlined in the remediation strategy. A Tier 1 Screening Assessment has been attached to this report. The Culp Study was utilised and so chemical results were screened against benzo(a)pyrene and

SITE REPORT

naphthalene only. Benzo(a)pyrene was used as an indicator for all PAHs. Although the ratio between dibenzo(ah)anthracene and benzo(a)pyrene was greater than the maximum limit presented in the Culp Study table (attached to this report) for some samples, it was still considered appropriate to use the Culp Study as these values were reported below the laboratory limit of detection.

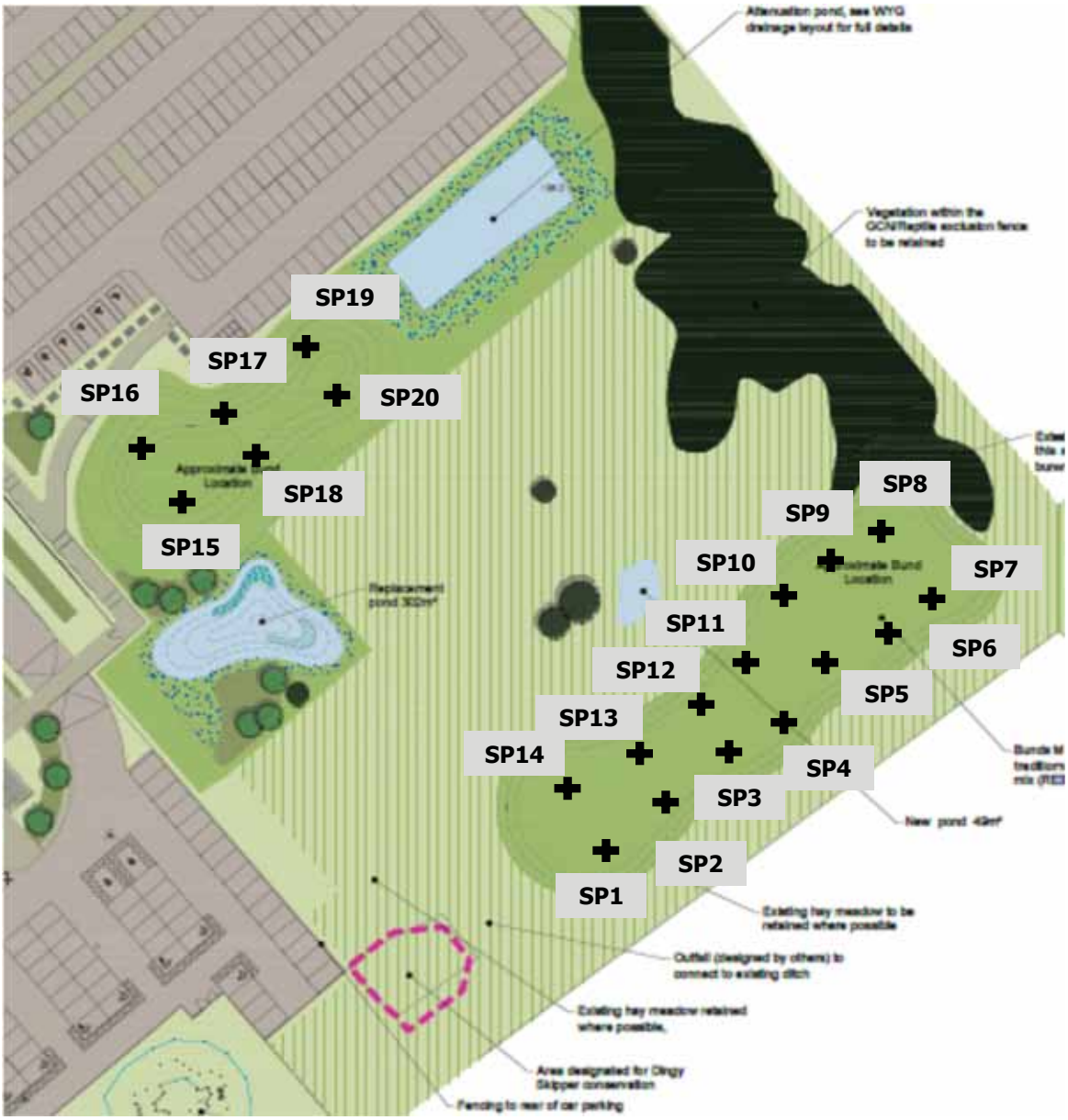
No chemicals of potential concern were reported following the sampling and chemical analysis of the soil bunds on site for a commercial end use. Whilst 1,1-Dichloroethane and Dichloromethane were above the laboratory limit of detection, both were reported below the EIC/AGS/CL:AIRE and CIEH/LQM S4ULs screening values respectively.

Sampling Location Plan:

The sample location plan is attached to the end of this report.

Conclusions:

The site won material is deemed suitable to remain on site to be used as ecological bunds as part of the development.



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Environmental Consultancy
Ground Technologies & Investigation

Project: Wrexham Custody Facility

Client : Galliford Try Building North West

Figure 1 – Soil Bund Sample Location Plan

Project No.: A098075 | Date: July 2018

A098075 Wrexham Custody Facility
Soil Screening Data

			Sample ID	SP01	SP02	SP03	SP04	SP05	SP06	SP07	SP08	SP09	SP10	SP11	SP12	SP13	SP14	SP15	SP16	SP17	SP18	SP19	SP20
Test	**Units**	**LOD**	**TSV**																				
Natural Moisture Content	%	<0.1		8.9	4.9	5	3.8	4.2	10	6.7	5.5	8.8	6.6	5	7.3	7.4	3.4	6.1	8.7	6.7	7.4	4.5	12
Abestos Screen	-	-	Presence	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD	NAD
Free Cyanide	mg/kg	<1	40	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total cyanide	mg/kg	<1	40	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	mg/kg	<0.01	440	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cresols	mg/kg	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0208	<0.01	<0.01	0.0219	<0.01	<0.01	<0.01
Xylenols	mg/kg	<0.015	-	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Monohydric Phenols	mg/kg	<0.035	440	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035
pH	-	-	-	8.73	8.76	8.74	8.63	8.46	8.69	8.53	8.52	8.86	8.3	8.35	8.7	8.43	8.25	8.21	8.31	9.47	9.14	10.1	8.81
Metals																							
Arsenic [M]	mg/kg	<0.6	640	6.73	7.11	4.91	8.45	3.16	6.71	7.63	7.16	15.5	6.33	6.48	5.67	7.05	6.16	5.98	8.09	5.93	5.85	4.08	6.24
Cadmium [M]	mg/kg	<0.02	410	0.316	0.303	0.257	0.206	0.273	0.269	0.309	0.298	46.8	0.352	0.205	0.289	0.469	0.242	0.336	0.235	0.32	0.382	0.214	0.258
Chromium [M]	mg/kg	<0.9	8600	2.65	8.72	12	12.6	10.6	14.1	12.2	11.5	10.4	10.4	10.2	11.2	12.5	11	10.7	17.7	11.1	10.2	4.71	11.8
Hexavalent Chromium *	mg/kg		49	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Copper [M]	mg/kg	<1.4	68000	21.1	19.7	16.2	24.4	14.9	22.8	21.5	20.8	70.3	28	17	16	22.7	26.3	13.2	17.1	13.5	13.5	8.62	17.6
Lead [M]	mg/kg	<0.7	2200	16.6	17	16.2	20.3	18.3	16.8	21	15.4	59.5	114	16.6	13.8	22.7	12.2	16.7	25.3	65.2	32.7	17	15.9
Mercury [M]	mg/kg	<0.14	1100	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	48	0.24	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Nickel [M]	mg/kg	<0.2	980	36.4	31.3	19.5	28.5	18.3	29.5	28.7	26.2	99.7	25.5	22.4	23.2	25.4	37.9	14.4	27	19.2	16.2	8.53	23
Selenium [M]	mg/kg	<1	12000	<1	<1	<1	<1	<1	<1	<1	<1	48.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Water Soluble Boron [M]	mg/kg	<1	240000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Zinc [M]	mg/kg	<1.9	730000	45.8	46.6	47.1	51.8	40.8	46.1	49.1	44	101	56	37.8	44.4	372	45.8	71.6	51.7	51.8	49.2	44.9	47.6
PAHs																							
Acenaphthene [M]	ug/kg	<8	-	<8	<8	<16	<8	10.8	<40	<8	<8	<8	<8	<8	<8	<8	<8	26.8	<8	<40	2150	9.5	<8
Acenaphthylene	ug/kg	<12	-	<12	<12	<24	<12	<12	<60	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	<60	<60	<12	<12
Anthracene [M]	ug/kg	<16	-	<16	<16	<32	<16	21.9	<80	<16	<16	<16	<16	<16	<16	<16	<16	33.3	<16	<80	3600	28.7	<16
Benzo(a)anthracene *	ug/kg	<14	-	<14	18.1	63.4	<14	46.4	<70	<14	<14	16	<14	<14	<14	<14	28.5	<14	75.1	39.3	<70	6140	70.9	33.7
Benzo(a)pyrene *	ug/kg	<15	77000	<15	20.4	71.5	<15	45.3	<75	<15	<15	16.6	<15	<15	<15	23.6	<15	74.1	40.8	<75	4250	68.1	27
Benzo(b)fluoranthene	ug/kg	<15	-	38.5	34.1	72.1	<15	85.7	<75	<15	<15	31.2	<15	<15	17.7	53.7	<15	119	61.3	83.9	4490	86.1	47.1
Benzo(ghi)perylene *	ug/kg	<24	-	<24	<24	52	<24	39.5	<120	<24	<24	<24	<24	<24	<24	<24	<24	27.6	<24	61.2	33.5	<120	1970	52.2	<24
Benzo(k)fluoranthene	ug/kg	<14	-	<14	<14	30.7	<14	30.9	<70	<14	<14	<14	<14	<14	<14	18.4	<14	43	23.3	<70	2290	31.8	16.1
Chrysene [M]	ug/kg	<10	-	27.6	22.1	72.1	<10	68.9	<50	<10	<10	26.5	<10	<10	15.5	40.8	<10	86.7	48.7	81.6	4830	55.7	32.8
Dibenzo(ah)anthracene *	ug/kg	<23	-	<23	<23	<46	<23	<23	<115	<23	<23	<23	<23	<23	<23	<23	<23	<23	<23	<115	398	<23	<23
Fluoranthene [M]	ug/kg	<17	-	33	46.1	81.4	<17	110	<85	<17	<17	29.7	<17	<17	<17	58.4	<17	193	85.9	146	17200	182	69.3
Fluorene [M]	ug/kg	<10	-	<10	<10	<20	<10	<10	<50	<10	<10	<10	<10	<10	<10	<10	<10	22.3	<10	<50	1830	<10	<10
Indeno(123cd)pyrene [M]	ug/kg	<18	-	<18	<18	41.6	<18	27.4	<90	<18	<18	<18	<18	<18	<18	<18	<18	44.4	22.8	<90	1880	47.5	<18
Naphthalene [M]	ug/kg	<9	190000	10.6	<9	<18	<9	<9	<45	<9	<9	<9	<9	<9	<9	<9	<9	20.9	17.6	<45	667	16.1	<9
Phenanthrene [M]	ug/kg	<15	-	18.2	27.7	37.5	<15	48	<75	<15	<15	26.6	<15	<15	<15	24.5	<15	114	51.3	90.4	13000	102	30.9
Pyrene *	ug/kg	<15	-	29.7	41.3	81.7	<15	100	<75	<15	<15	24.2	<15	<15	<15	53	<15	163	80.5	138	14800	162	61.2
PAH 16 Total	ug/kg	<118	-	158	212	604	<118	635	<590	<118	<118	173	<118	<118	<118	328	<118	1080	505	<590	79700	913	318
TPH CWG																							
Aliphatics																							
>C5-C6	ug/kg	<10	3.20E+07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C6-C8	ug/kg	<10	7.80E+07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C8-C10	ug/kg	<10	2.00E+07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>C10-C12	ug/kg	<10	9.70E+06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	17.3	<10	<10
>C12-C16	ug/kg	<100	5.90E+06	<100	790	1100	<100	1200	<500	<100	691	<100	<100	<100	<100	<100	977	<100	<100	<100	2470	1410	324
>C16-C35	ug/kg	<200	1.00E+06	<200	<4880	15970	32040	7515	38540	11540	6720	3179	6510	<905	<5570	<8820	<5360	8215	140210	43240	37655	54880	16310
>C35-C44	ug/kg	<100	-	<100	5650	14100	1460	18000	2200	<300	<300	1650	<100	<100	<100	<100	538	16400	12700	13200	20900	11000	1350
Total Aliphatics C12-C44	ug/kg	<100	-	4780	22300	46900	8970	36300	13700	6720	3180	8850	805	5470	8920	5360	9710	157090	55900	49800	78200	67000	25400
Aromatics																							
>C5-EC7	ug/kg	<10	27000	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC7-EC8	ug/kg	<10	56000000	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC8-EC10	ug/kg	<10	3900000	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
>EC10-EC12	ug/kg	<10	16000000	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	11.9	<10	<10
>EC12-EC16	ug/kg	<100	36000000	<100	<100	<100	<100	<100	<300	<100	193	<100	<100	<100	<100	<100	<100	<100	<100	<100	1180	1030	<100
>EC16-EC21	ug/kg	<100	28000000	<100	820	1780	<100	1100	1700	193	319	854	721	<100	<100	<100	<100	2560	4710	4190	4390	4190	2210
>EC21-EC35	ug/kg	<100	28000000	4500	14400	25300	5360	22100	6880	5100	4120	9070	2210	2970	6120	6030	2880	111000	47600	35100	60800	28100	39300
>EC35-EC44	ug/kg	<100	-	1280	7610	17600	2450	24300	2760	2740	3840	8830	1730	<100	<100	4620	<100	17600	23400	22900	39400	15200	8990
>EC40-EC44	ug/kg	<100	-	<100	1060	7010	1130	11300	1140	1140	2120	665	901	<100	<100	2360	<100	6100	9100	9240	16500	6380	3420
Total Aromatics >EC12:C44	ug/kg	<100	-	5780	23800	44700	7610	47500	9830	8160	9000	7620	3940	2970	6120	10600	2880	134000	73400	60500	106000	48700	50500
Total Aliphatics & Aromatics >C5-C44	ug/kg	<100	-	10600	45100	91600	16600	304000	23600	14900	12400	16500	4740	8440	14300	15900	12600	291000	129000	110000	184000	97700	73900
Volatile Organic Compounds (VOCs)																							
Dichlorodifluoromethane	µg/kg	<6	-	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Chloromethane	µg/kg	<7	-	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
Vinyl Chloride	µg/kg	<6	-	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Bromomethane	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroethane	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Trichlorofluoromethane	µg/kg	<6	-	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
1,1-Dichloroethene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon Disulphide	µg/kg	<7	-	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
Dichloromethane	µg/kg	<10	270000	45.2	33.9	66.9	58.6	32.9	46.5	49	53.1	67.9	52.4	32.7	82.8	28.3	13.7	33	78.5	57	81.3	22.2	45.1
Methyl Tertiary Butyl Ether	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
trans-1,2-Dichloroethene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1-Dichloroethane	µg/kg	<8	-	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
cis-1,2-Dichloroethene	µg/kg	<6	-	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
2,2-Dichloropropane	µg/kg	<10	-	<10	<10	<10	<10	<30	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bromochloromethane	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform	µg/kg	<8	-	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
1,1,1-Trichloroethane	µg/kg	<7	99000	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	8.69	9.88	<7	<7	<7	<7	<7	<7	<7
1,1-Dichloropropene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbontetrachloride	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichloroethane	µg/kg	<5	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Benzene	µg/kg	<9	-	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9
Trichloroethene	µg/kg	<9	-	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9
1,2-Dichloropropane	µg/kg	<10	-	<10	<10	<10	<10	<30	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Dibromomethane	µg/kg	<9	-	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9
Bromodichloromethane	µg/kg	<7	-	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
cis-1,3-Dichloropropene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Toluene	µg/kg	<7	-	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
trans-1,3-Dichloropropene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,2-Trichloroethane	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,3-Dichloropropane	µg/kg	<7	-	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
Tetrachloroethene	µg/kg	<5	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chlorobenzene	µg/kg	<5	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1,2-Tetrachloroethane	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ethylbenzene	µg/kg	<4	-	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
p/m-Xylene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
o-Xylene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Styrene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Bromoform	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Isopropylbenzene	µg/kg	<5	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2,3-Trichloropropane	µg/kg	<16	-	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<16	<36	<16	<36	<16	<16	<16
Bromobenzene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Propylbenzene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorotoluene	µg/kg	<9	-	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9
1,3,5-Trimethylbenzene	µg/kg	<8	-	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
4-Chlorotoluene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
tert-Butylbenzene	µg/kg	<14	-	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14
1,2,4-Trimethylbenzene	µg/kg	<9	-	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9
sec-Butylbenzene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Isopropyltoluene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,3-Dichlorobenzene	µg/kg	<8	-	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
1,4-Dichlorobenzene	µg/kg	<5	-	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
n-Butylbenzene	µg/kg	<11	-	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
1,2-Dichlorobenzene	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromo-3-chloropropane	µg/kg	<14	-	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14	<14
Tert-amyl methyl ether	µg/kg	<10	-	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2,4-Trichlorobenzene	µg/kg	<20	-	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Hexachlorobutadiene	µg/kg	<20	-	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Naphthalene	µg/kg	<13	-	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13	<13
1,2,3-Trichlorobenzene	µg/kg	<20	-	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20

Key
TSV - Based on Appendix 11 Remediation Strategy, WYG, November 2016
Exceeds TSV
TSV derived from EIC/AGS/CL:AIRE GAC
TSV derived from CIEH/LQM S4ULs

A098075 Wrexham Custody Facility
Culp Study

Results	SP01	SP02	SP03	SP04	SP05	SP06	SP07	SP08	SP09	SP10	SP11	SP12	SP13	SP14	SP15	SP16	SP17	SP18	SP19	SP20
Benzo(a)anthracene	14	18.1	63.4	14	46.4	70	14	14	16	14	14	14	28.5	14	75.1	39.3	70	6140	70.9	33.7
Chrysene	27.6	22.1	72.1	10	68.9	50	10	10	26.5	10	10	15.5	40.8	10	86.7	48.7	81.6	4830	55.7	32.8
Benzo(b)fluoranthene	38.5	34.1	72.1	15	85.7	75	15	15	33.2	15	15	17.7	53.7	15	119	61.3	83.9	4490	86.1	47.1
Benzo(k)fluoranthene	14	14	30.7	14	30.9	70	14	14	14	14	14	14	18.4	14	43	23.3	70	2290	31.8	16.1
Dibenzo(ah)anthracene	23	23	46	23	23	115	23	23	23	23	23	23	23	23	23	23	115	398	23	23
Indeno(123cd)pyrene	18	18	41.6	18	27.4	90	18	18	18	18	18	18	18	18	44.4	22.8	90	1880	47.5	18
Benzo(ghi)perylene	24	24	52	24	39.5	120	24	24	24	24	24	24	27.6	24	61.2	33.5	120	1970	52.2	24
Benzo(a)pyrene	15	20.4	71.5	15	45.3	75	15	15	16.6	15	15	15	23.6	15	74.1	40.8	75	4250	68.1	27

Ratio to BaP																					Min	Max	Culp study limits	
																							Lower Limit	Upper Limit
Benzo(a)anthracene	0.93	0.89	0.89	0.93	1.02	0.93	0.93	0.93	0.96	0.93	0.93	0.93	1.21	0.93	1.01	0.96	0.93	1.44	1.04	1.25	0.89	1.44	0.12	12.43
Chrysene	1.84	1.08	1.01	0.67	1.52	0.67	0.67	0.67	1.60	0.67	0.67	1.03	1.73	0.67	1.17	1.19	1.09	1.14	0.82	1.21	0.67	1.84	0.12	11.61
Benzo(b)fluoranthene	2.57	1.67	1.01	1.00	1.89	1.00	1.00	1.00	2.00	1.00	1.00	1.18	2.28	1.00	1.61	1.50	1.12	1.06	1.26	1.74	1.00	2.57	0.11	10.85
Benzo(k)fluoranthene	0.93	0.69	0.43	0.93	0.68	0.93	0.93	0.93	0.84	0.93	0.93	0.93	0.78	0.93	0.58	0.57	0.93	0.54	0.47	0.60	0.43	0.93	0.04	3.72
Dibenzo(ah)anthracene	1.53	1.13	0.64	1.53	0.51	1.53	1.53	1.53	1.39	1.53	1.53	1.53	0.97	1.53	0.31	0.56	1.53	0.09	0.34	0.85	0.09	1.53	0.01	1.38
Indeno(123cd)pyrene	1.20	0.88	0.58	1.20	0.60	1.20	1.20	1.20	1.08	1.20	1.20	1.20	0.76	1.20	0.60	0.56	1.20	0.44	0.70	0.67	0.44	1.20	0.07	7.27
Benzo(ghi)perylene	1.60	1.18	0.73	1.60	0.87	1.60	1.60	1.60	1.45	1.60	1.60	1.60	1.17	1.60	0.83	0.82	1.60	0.46	0.77	0.89	0.46	1.60	0.08	8.22

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: hawardencustomerservices@alsglobal.com
Website: www.alsenvironmental.co.uk

WYG Geo-Environment
Quay West at Media City UK
Trafford Warf Palk
Manchester
Lancashire
M17 1HH

Attention: Sara Brennan

CERTIFICATE OF ANALYSIS

Date:	04 July 2018
Customer:	H_WYG_MAN
Sample Delivery Group (SDG):	180616-33
Your Reference:	A098075
Location:	Wrexham Custody Centre, Wrexham
Report No:	462847

This report has been revised and directly supersedes 462844 in its entirety.

We received 20 samples on Saturday June 16, 2018 and 20 of these samples were scheduled for analysis which was completed on Friday June 22, 2018. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Approved By:



Sonia McWhan

Operations Manager

ALS Life Sciences Limited. Registered Office: Units 7 & 8 Hawarden Business Park, Manor Road, Hawarden, Deeside, CH5 3US. Registered in England and Wales No. 4057291.

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
17754416	SP01			14/06/2018
17754417	SP02			14/06/2018
17754418	SP03			14/06/2018
17754419	SP04			14/06/2018
17754420	SP05			14/06/2018
17754421	SP06			14/06/2018
17754422	SP07			14/06/2018
17754423	SP08			14/06/2018
17754424	SP09			14/06/2018
17754426	SP10			14/06/2018
17754427	SP11			14/06/2018
17754428	SP12			14/06/2018
17754429	SP13			14/06/2018
17754430	SP14			14/06/2018
17754431	SP15			14/06/2018
17754432	SP16			14/06/2018
17754433	SP17			14/06/2018
17754434	SP18			14/06/2018
17754435	SP19			14/06/2018
17754436	SP20			14/06/2018

Maximum Sample/Coolbox Temperature (°C) : **14.6**

ISO5667-3 Water quality - Sampling - Part3 -

During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			17754416			17754417			17754418			17754419			17754420			17754421			17754422
Customer Sample Reference			SP01			SP02			SP03			SP04			SP05			SP06			SP07
AGS Reference																					
Depth (m)																					
Container			1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB
Sample Type			S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Asbestos Identification Screened sample NotDetected: ts0	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
Aliphatic Diagnostic Fraction Nehalennia	Ass	T6 Bind/Dried/Crush	X			X			X			X			X			X			X
Calculated Hexane Extractable Matter	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
Loss/Gain on drying at 105C	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
pH - Dried Ash Addition Double Check	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
pH - Dried Ash Addition Double Check	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
Volatile Organic Compounds	Ass	T6 Bind/Dried/Crush			X			X			X			X			X			X	
- Methyl tert-butyl Ether	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
Benzene/Toluene/Ethylbenzene/Xylene	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
BTEX	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
d-	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
BRI/Moisture Bvl	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
Nehalennia Fraction Calculation	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
uB - Dried Ash	Ass	T6 Bind/Dried/Crush		X			X			X			X			X			X		
1ml Nd	Ass	T6 Bind/Dried/Crush			X			X			X			X			X			X	

17754430	SP14			1kg TUB	S		X															
17754429	SP13			60g VOC (ALE215)	S							X										X
				250g Amber Jar (ALE210)	S	X		X	X	X	X		X	X	X	X	X	X	X			
				1kg TUB	S		X															
17754428	SP12			60g VOC (ALE215)	S							X										X
				250g Amber Jar (ALE210)	S	X		X	X	X	X		X	X	X	X	X	X	X			
				1kg TUB	S		X															
17754427	SP11			60g VOC (ALE215)	S							X										X
				250g Amber Jar (ALE210)	S	X		X	X	X	X		X	X	X	X	X	X	X			
				1kg TUB	S		X															
17754426	SP10			60g VOC (ALE215)	S							X										X
				250g Amber Jar (ALE210)	S	X		X	X	X	X		X	X	X	X	X	X	X			
				1kg TUB	S		X															
17754424	SP09			60g VOC (ALE215)	S							X										X
				250g Amber Jar (ALE210)	S	X		X	X	X	X		X	X	X	X	X	X	X			
				1kg TUB	S		X															
17754423	SP08			60g VOC (ALE215)	S							X										X
				250g Amber Jar (ALE210)	S	X		X	X	X	X		X	X	X	X	X	X	X			
				1kg TUB	S		X															
17754422	SP07			60g VOC (ALE215)	S							X										X
				250g Amber Jar (ALE210)	S	X		X	X	X	X		X	X	X	X	X	X	X			

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Results Legend

X Test

N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			17754430		17754431			17754432			17754433			17754434			17754435			17754436	
Customer Sample Reference			SP14		SP15			SP16			SP17			SP18			SP19			SP20	
AGS Reference																					
Depth (m)																					
Container			250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB	250g Amber Jar (ALE210)
Sample Type			S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Asbestos Identification in Soil	Ass	TBM	X			X			X			X			X			X			X
Ainli Dig6d/dN: sFdNehdsli	Ass	TBM			X			X			X			X			X			X	
c: E/dHeDEGN: sGnsl	Ass	TBM	X			X			X			X			X			X			X
I Se/tFldi: hd() El I(u: Dis(uRt: OSe/eD	Ass	TBM	X			X			X			X			X			X			X
pB-d Hxd PAsdRe DOx I dN0	Ass	TBM	X			X			X			X			X			X			X
pB-d HxdPAE he DOx I dN0	Ass	TBM	X			X			X			X			X			X			X
xvmonSoxI ajy6dN0	Ass	TBM		X			X			X			X			X			X		
-I MeLesi/Di RE htGhdP0	Ass	TBM	X			X			X			X			X			X			X
I Disid/di: sFdeh dsionSompN	Ass	TBM	X			X			X			X			X			X			X
BA-onSoxI N	Ass	TBM	X			X			X			X			X			X			X
d-	Ass	TBM	X			X			X			X			X			X			X
BRI/:sionSo BVI dN0	Ass	TBM	X			X			X			X			X			X			X
Nehdsi dFliCEddDt/	Ass	TBM	X			X			X			X			X			X			X
uB-d Hxo I dN0	Ass	TBM	X			X			X			X			X			X			X
1mlo NdN0	Ass	TBM		X			X			X			X			X			X		

17754436	SP20			60g VOC (ALE215)	S
					X
					X

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
7559. . 72	NBW7		6 eEbcc E k /	Ne/ FSd se S	ND / l i	T(A
7559. . 75	NBWC		6 eEbcc E k /	Ne/ F	1 l wl De D /	ND / l i
7559. . 73	NBW4		6 eEbcc E k /	Ne/ FSd se SoV: eh	ND / l i	1 l wl De D /
7559. . 7g	NBW		VtwRDcc E k /	V: eh SoNe/ F	ND / l i	T: / l
7559. . CW	NBV0		VtwRDcc E k /	V: eh SoNe/ F	ND / l i	T: / l
7559. . C7	NBV2		6 eEbcc E k /	Ne/ FSd se S	ND / l i	T: / l
7559. . CC	NBV6		6 eEbcc E k /	V: eh SoNe/ F	ND / l i	1 l wl De D /
7559. . C4	NBV8		6 eEbcc E k /	Ne/ F	ND / l i	T: / l
7559. . C.	NBVg		VtwRDcc E k /	V: eh SoNe/ F	ND / l i	1 l wl De D /
7559. . C2	NB7W		6 eEbcc E k /	Ne/ F	ND / l i	T: / l
7559. . C5	NB77		VtwRDcc E k /	Ne/ FSd se SoV: eh	ND / l i	T: / l
7559. . C3	NB7C		6 eEbcc E k /	Ne/ FSd se SoV: eh	ND / l i	1 l wl De D /
7559. . Cg	NB74		6 eEbcc E k /	V: eh SoNe/ F	ND / l i	1 l wl De D /
7559. . 4W	NB7.		6 eEbcc E k /	Ne/ FSd se SoV: eh	ND / l i	T: / l
7559. . 47	NB79		6 eEbcc E k /	V: eh SoNe/ F	ND / l i	1 l wl De D /
7559. . 4C	NB72		6 eEbcc E k /	V: eh SoNe/ F	ND / l i	1 l wl De D /
7559. . 44	NB75		6 eEbcc E k /	Ne/ F	ND / l i	T: / l
7559. . 4.	NB73		6 eEbcc E k /	Ne/ F	ND / l i	T: / l
7559. . 49	NB7g		6 eEbcc E k /	Ne/ FSoV: eh	ND / l i	l : / CHE D (AwwEl we D
7559. . 42	NBCW		6 eEbcc E k /	Ne/ FSd se S	ND / l i	T: / l

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBW7	NBWC	NBW4	NBW	NBW9	NBW2
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0
			Date Sampled	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73
			Sample Time	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW
			Date Received	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73
			SDG Ref	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44
			Lab Sample No.(s)	7559. . 72	7559. . 75	7559. . 73	7559. . 7g	7559. . CW	7559. . C7
			AGS Reference						
: ti DEEH d : / DI / Dav eDt dP‰o fœi o Et Cl tLI Fo eh ds 0	ad%	B WC.		38g o	. 8g o	9 o	48 8 o	. 8C o	7W o
BRI / : s	ao<W8W7dh w(bw	u W2CdRN0		<W8W7 o	<W8W7 o	<W8W7 o	<W8W7 o	<W8W7 o	<W8W7 o
I Et i : si	ao<W8W7dh w(bw	u W2CdRN0		<W8W7 o	<W8W7 o	<W8W7 o	<W8W7 o	<W8W7 o	<W8W7 o
XSsI / : si	ao<W8W79o h w(bw	u W2CdRN0		<W8W79 o	<W8W79 o	<W8W79 o	<W8W79 o	<W8W79 o	<W8W79 o
BRI / : si ,au: Dasd6 I DI CID Fo h : / : RSFEtO	ao<W8W449o h w(bw	u W2CdRN0		<W8W449 o	<W8W449 o	<W8W449 o	<W8W449 o	<W8W449 o	<W8W449 o
d-	ao7od- dJ/ tD	u 744		3854 o	3852 o	385. o	3824 o	38 2 o	382g o
I RE: h tGh ,o I MeLesi / D	ao<W82dh w(bw	u 797		<W82 d#	<W82 d#	<W82 d#	<W82 d#	<W82 d#	<W82 d#
I Se/ tFI ,au: Dæs	ao<7dh w(bw	u 794		<7 o	<7 o	<7 o	<7 o	<7 o	<7 o
I Se/ tFI ,o) Et I	ao<7dh w(bw	u 794		<7 o	<7 o	<7 o	<7 o	<7 o	<7 o
AEt I / tO	ao<W82dh w(bw	u 737		2854 o	587 7 o	. 8g7 o	38 9 o	487 2 o	2857 o
I eFh tGh	ao<W8WCdh w(bw	u 737		W8472 o	W8+W4 o	W8C95 o	W8CW2 o	W8C54 o	W8C2g o
I RE: h tGh	ao<W8gdh w(bw	u 737		C829 o	385C o	7C o	7C82 o	7W82 o	7. 87 o
I : ddI E	ao<78 dh w(bw	u 737		C787 o	7g85 o	728C o	C. 8 o	7. 8g o	CC83 o
VI eF	ao<W85dh w(bw	u 737		7282 o	75 o	728C o	CW84 o	7384 o	7283 o
I EDGES	ao<W87. dh w(bw	u 737		<W87. o	<W87. o	<W87. o	<W87. o	<W87. o	<W87. o
TtObI s	ao<W8Cdh w(bw	u 737		C28 o	4784 o	7g89 o	C389 o	7384 o	Cg89 o
NI si / tGh	ao<7dh w(bw	u 737		<7 d#	<7 d#	<7 d#	<7 d#	<7 d#	<7 d#
Zt/ O	ao<78gdh w(bw	u 737		. 983 o	. 282 o	. 587 o	9783 o	. W83 o	. 287 o
c : E / ,dk eDI Eó : sGhsl	ao<7dh w(bw	u CCC		<7 o	<7 o	<7 o	<7 o	<7 o	<7 o
ewI i tGh	ao<3dh w(bw	u CC.		. . 3W o	43gW o	9CgW o	. 9WW o	522W o	94CW o

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBV6	NBV8	NBVg	NB7W	NB77	NB7C
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0
			Date Sampled	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73
			Sample Time	74rVWWW	74rVWWW	74rVWWW	74rVWWW	74rVWWW	74rVWWW
			Date Received	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73
			SDG Ref	73V272a44	73V272a44	73V272a44	73V272a44	73V272a44	73V272a44
			Lab Sample No.(s)	7559. . CC	7559. . C4	7559. . C.	7559. . C2	7559. . C5	7559. . C3
			AGS Reference						
: ti DEEH d : / DI / Dav eDt dP‰o fœi o EiCi tLI Foi eh ds 0	a%	B VC.		285 o	989 o	383 o	282 o	9 o	584 o
BRI / : s	ox<V8V7dh w(bw	u V2CdRN0		<V8V7 o	<V8V7 o	<V8V7 o	<V8V7 o	<V8V7 o	<V8V7 o
I Ei i : si	ox<V8V7dh w(bw	u V2CdRN0		<V8V7 o	<V8V7 o	<V8V7 o	<V8V7 o	<V8V7 o	<V8V7 o
XSsi / : si	ox<V8V79o h w(bw	u V2CdRN0		<V8V79 o	<V8V79 o	<V8V79 o	<V8V79 o	<V8V79 o	<V8V79 o
BRI / : si ,au: Dasd6 I DiCiDFo h : / : RSFEiO	ox<V8V449o h w(bw	u V2CdRN0		<V8V449 o	<V8V449 o	<V8V449 o	<V8V449 o	<V8V449 o	<V8V449 o
d-	ao7od- dJ/ tD	u 744		3894 o	389C o	3882 o	384 o	3899 o	385 o
I REi h tGh ,o I MeLesi / D	ox<V82dh w(bw	u 797		<V82 d#	<V82 d#	<V82 d#	<V82 d#	<V82 d#	<V82 d#
I Se/ tFI ,au: Dæs	ox<7dh w(bw	u 794		<7 o	<7 o	<7 o	<7 o	<7 o	<7 o
I Se/ tFI ,o) Ei I	ox<7dh w(bw	u 794		<7 o	<7 o	<7 o	<7 o	<7 o	<7 o
AEi I / tO	ox<V82dh w(bw	u 737		5824 o	587 2 o	9989 o	2844 o	28 3 o	9825 o
I eFh tGh	ox<V8V0dh w(bw	u 737		V84Vg o	V8Cg3 o	. 283 o	V849C o	V8CV9 o	V8C3g o
I REi h tGh	ox<V8gdh w(bw	u 737		7C8C o	7789 o	998 o	7V8 o	7V8C o	778C o
I : ddI E	ox<78 dh w(bw	u 737		C789 o	CV83 o	5V84 o	C3 o	75 o	72 o
VI eF	ox<V85dh w(bw	u 737		C7 o	798 o	9g89 o	77. o	7282 o	7483 o
I EOGES	ox<V87. dh w(bw	u 737		<V87. o	<V87. o	. 3 o	V8C. o	<V87. o	<V87. o
TtObI s	ox<V8Cdh w(bw	u 737		C385 o	C28C o	5g85 o	C989 o	CC8 o	C48C o
NIsi / tGh	ox<7dh w(bw	u 737		<7 d#	<7 d#	. 389 d#	<7 d#	<7 d#	<7 d#
Zt/ O	ox<78gdh w(bw	u 737		. g87 o	. . o	7V7 o	92 o	4583 o	. . 8 o
c : E / ,dk eDiEo : sGhsi	ox<7dh w(bw	u CCC		<7 o	<7 o	<7 o	<7 o	<7 o	<7 o
ewI i tGh	ox<3dh w(bw	u CC.		. 53W o	975W o	. 22W o	4g3W o	459W o	24VWV o

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NB74	NB7.	NB79	NB72	NB75	NB73
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0
			Date Sampled	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73
			Sample Time	74rVWWW	74rVWWW	74rVWWW	74rVWWW	74rVWWW	74rVWWW
			Date Received	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73
			SDG Ref	73V272a44	73V272a44	73V272a44	73V272a44	73V272a44	73V272a44
			Lab Sample No.(s)	7559. . Cg	7559. . 4W	7559. . 47	7559. . 4C	7559. . 44	7559. . 4.
			AGS Reference						
: ti DDEH d : / DI / Dav eDt dP‰o fœi o EtCl tLI Fo eh ds 0	a%	B VC.		58 o	48 o	287 o	385 o	285 o	58 o
BRI / : s	ox<V8V7dh w(bw	u V2CdRN0		<V8V7 o	<V8V7 o	<V8V7 o	<V8V7 o	<V8V7 o	<V8V7 o
I Et i : si	ox<V8V7dh w(bw	u V2CdRN0		V8V7V8 o	<V8V7 o	<V8V7 o	V8VC7g o	<V8V7 o	<V8V7 o
XSsI / : si	ox<V8V79o h w(bw	u V2CdRN0		<V8V79 o	<V8V79 o	<V8V79 o	<V8V79 o	<V8V79 o	<V8V79 o
BRI / : si ,au: Dasd6 I DI CDI Fo h : / : RSFEtO	ox<V8V449o h w(bw	u V2CdRN0		<V8V449 o	<V8V449 o	<V8V449 o	<V8V449 o	<V8V449 o	<V8V449 o
d-	ao7od- dJ/ tD	u 744		38 4 o	38C9 o	38C7 o	3847 o	g8 5 o	g87. o
I RE h tGh ,o I MeLesi / D	ox<V82dh w(bw	u 797		<V82 d#	<V82 d#	<V82 d#	<V82 d#	<V82 d#	<V82 d#
I Se/ tFI ,au: Dæs	ox<7dh w(bw	u 794		<7 o	<7 o	<7 o	<7 o	<7 o	<7 o
I Se/ tFI ,o) Et I	ox<7dh w(bw	u 794		<7 o	<7 o	<7 o	<7 o	<7 o	<7 o
AEt I / tO	ox<V82dh w(bw	u 737		58V9 o	287 2 o	98g3 o	38Vg o	98g4 o	9839 o
I eFh tGh	ox<V8VCdh w(bw	u 737		V8 2g o	V8C. C o	V8142 o	V8C99 o	V84C o	V843C o
I RE h tGh	ox<V8gdh w(bw	u 737		7C89 o	77 o	7V85 o	7585 o	7787 o	7V8C o
I : ddI E	ox<78 dh w(bw	u 737		CC85 o	C284 o	748C o	7587 o	7489 o	7489 o
VI eF	ox<V85dh w(bw	u 737		CC85 o	7C8C o	4285 o	C984 o	298C o	4C85 o
I EDGES	ox<V87. dh w(bw	u 737		<V87. o	<V87. o	<V87. o	<V87. o	<V87. o	<V87. o
TtObI s	ox<V8Cdh w(bw	u 737		C98 o	458g o	7. 8 o	C5 o	7g8C o	728C o
NI si / tGh	ox<7dh w(bw	u 737		<7 d#	<7 d#	<7 d#	<7 d#	<7 d#	<7 d#
Zt/ O	ox<78gdh w(bw	u 737		45C o	. 983 o	5782 o	9785 o	9783 o	. g8C o
c : E / ,dk eDI Eti : sGhsi	ox<7dh w(bw	u CCC		<7 o	<7 o	<7 o	<7 o	<7 o	<7 o
ewI i tGh	ox<3dh w(bw	u CC.		. C. W o	. 7. W o	C35W o	2C7W o	2C. W o	4g2W o

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NB7g	NBCW				
			Depth (m)	8	8				
			Sample Type	N: ts(N: sFcRN0	N: ts(N: sFcRN0				
			Date Sampled	7. (W2(CW73	7. (W2(CW73				
			Sample Time	74rWWW	74rWWW				
			Date Received	72(W2(CW73	72(W2(CW73				
			SDG Ref	73W272a44	73W272a44				
			Lab Sample No.(s)	7559. . 49	7559. . 42				
			AGS Reference						
: ti DDEH d : / DI / Dv eDt dP‰o fœi o EI CI tLI Fo eh ds 0	a%	B WC.		. 89 o	7C o				
BRI / : s	oo<W8W7dh w(bw	u W2CcRN0		<W8W7 o	<W8W7 o				
I EI i : si	oo<W8W7dh w(bw	u W2CcRN0		<W8W7 o	<W8W7 o				
XSsi / : si	oo<W8W79o h w(bw	u W2CcRN0		<W8W79 o	<W8W79 o				
BRI / : si ,au: Dasd6 I DI CDI Fo h : / : RSFEIO	oo<W8W49o h w(bw	u W2CcRN0		<W8W49 o	<W8W49 o				
d-	oo7od- dJ / tD	u 744		7W87 o	3837 o				
I RE h tGh ,o I MeLesi / D	oo<W82dh w(bw	u 797		<W82 d#	<W82 d#				
I Se / tFI ,au: Dæs	oo<7dh w(bw	u 794		<7 o	<7 o				
I Se / tFI ,o) EI I	oo<7dh w(bw	u 794		<7 o	<7 o				
AEI I / tO	oo<W82dh w(bw	u 737		. 8W3 o	28C. o				
I eFh tGh	oo<W8WCdh w(bw	u 737		W8C7. o	W8C93 o				
I RE h tGh	oo<W8gdh w(bw	u 737		. 857 o	7783 o				
I : ddI E	oo<78 dh w(bw	u 737		382C o	7582 o				
VI eF	oo<W85dh w(bw	u 737		75 o	798g o				
I EOGES	oo<W87. dh w(bw	u 737		<W87. o	<W87. o				
TtObI s	oo<W8Cdh w(bw	u 737		3894 o	C4 o				
NI si / tGh	oo<7dh w(bw	u 737		<7 d#	<7 d#				
Zt / O	oo<78gdh w(bw	u 737		. . 8g o	. 582 o				
c : E / ,dk eDI Eo : sGhsi	oo<7dh w(bw	u CCC		<7 o	<7 o				
ewI I i tGh	oo<3dh w(bw	u CC.		C7. W o	92WW o				

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBW7	NBWC	NBW4	NBW	NBW9	NBW2
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0
			Date Sampled	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73
			Sample Time	74rWWW	74rWWW	74rWWW	74rWWW	74rWWW	74rWWW
			Date Received	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73
			SDG Ref	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44
			Lab Sample No.(s)	7559. . 72	7559. . 75	7559. . 73	7559. . 7g	7559. . CW	7559. . C7
			AGS Reference						
TedRDRes / I aF3c%dEIO LIES**	a%	u C73		g38C o	g587 o	g. o	7W8 o	7WC o	gW8C o
AOI / edRDRI / I aF7W%o EIO LIES**	a%	u C73		g484 o	g98C o	3g o	g489 o	7WC o	538g o
BRI / e/ DREI / I aF7W%dEIO LIES**	a%	u C73		g28g o	7W9 o	g. 8C o	3583 o	7W o	gC8C o
I RESI / I aF7Cc%dEIO LIES**	a%	u C73		3C89 o	3583 o	7W o	7W4 o	7W2 o	7W7 o
BI ESI / I aF7Cc%dEIO LIES**	a%	u C73		g987 o	g783 o	gW84 o	g389 o	7WC o	3987 o
TedRDRes / I	a<gquw(bw	u C73		7W82 o	<g o	<73 o	<g o	<g o	<. 9 o
AOI / edRDRSI / I	a<7Cquw(bw	u C73		<7C o	<7C o	<C. o	<7C o	<7C o	<2W o
AOI / edRDRI / I	a<3quw(bw	u C73		<3 o	<3 o	<72 o	<3 o	7W83 o	<. W o
) sG EI / I	a<7Wquw(bw	u C73		<7W o	<7W o	<CW o	<7W o	<7W o	<9W o
BRI / e/ DREI / I	a<79quw(bw	u C73		738C o	C585 o	4589 o	<79 o	. 3 o	<59 o
A/ DREeCI / I	a<72quw(bw	u C73		<72 o	<72 o	<4C o	<72 o	C78g o	<3W o
) sG Ee/ DRI / I	a<75quw(bw	u C73		44 o	. 287 o	378 o	<75 o	77W o	<39 o
BSEI / I	a<79quw(bw	u C73		Cg85 o	. 484 o	3785 o	<79 o	7WW o	<59 o
c l / zPe0e/ DREeCI / I	a<7. quw(bw	u C73		<7. o	7387 o	248 o	<7. o	. 28 o	<5W o
I RESI / I	a<7Wquw(bw	u C73		C582 o	CC87 o	5C87 o	<7W o	238g o	<9W o
c l / z: PhOfsG Ee/ DRI / I	a<79quw(bw	u C73		4389 o	4. 87 o	5C87 o	<79 o	3985 o	<59 o
c l / z: PbOfsG Ee/ DRI / I	a<7. quw(bw	u C73		<7. o	<7. o	4W85 o	<7. o	4W8g o	<5W o
c l / z: Pe0dSEI / I	a<79quw(bw	u C73		<79 o	CW8 o	5789 o	<79 o	. 984 o	<59 o
y/ FI / : P?,C,4aCF0dSEI / I	a<73quw(bw	u C73		<73 o	<73 o	. 782 o	<73 o	C58 o	<gW o
6 tnI / z: Pe,RQe/ DREeCI / I	a<C4quw(bw	u C73		<C4 o	<C4 o	<. 2 o	<C4 o	<C4 o	<779 o
c l / z: Pw,R,t0dI ESI / I	a<C. quw(bw	u C73		<C. o	<C. o	9C o	<C. o	4g89 o	<7CW o
BA- ,ou: Dess6 I DI CDI FdJNp BAc72	a<773quw(bw	u C73		793 o	C7C o	2W o	<773 o	249 o	<9gW o

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBV6	NBV8	NBVg	NB7W	NB77	NB7C
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0
			Date Sampled	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73
			Sample Time	74rWWW	74rWWW	74rWWW	74rWWW	74rWWW	74rWWW
			Date Received	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73
			SDG Ref	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44
			Lab Sample No.(s)	7559. . OC	7559. . C4	7559. . C.	7559. . C2	7559. . C5	7559. . C3
			AGS Reference						
TedRDRes / I aF3c%dEO LIES**	a%	u C73		3g o	g. 82 o	7WC o	3589 o	g3 o	g3 o
AO / edRDRI / I aF7W%o EO LIES**	a%	u C73		gC83 o	g. 85 o	g987 o	g78C o	g78 o	g285 o
BRI / e/ DRE / I aF7W%dEO LIES**	a%	u C73		g38 o	7W4 o	g987 o	g284 o	g48 o	gg8C o
I RESI / I aF7Cc%dEO LIES**	a%	u C73		5g85 o	gC84 o	g38g o	5g8 o	7Wg o	777 o
BI ESs / I aF7Cc%dEO LIES**	a%	u C73		5. 88 o	g. 89 o	g4 o	5. 82 o	g384 o	g5 o
TedRDRes / I	a<gqquw(bw	u C73		<g o	<g o	<g o	<g o	<g o	<g o
AO / edRDRSs / I	a<7Cquw(bw	u C73		<7C o	<7C o	<7C o	<7C o	<7C o	<7C o
AO / edRDRI / I	a<3quw(bw	u C73		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
) sG EE / I	a<7Wquw(bw	u C73		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
BRI / e/ DRE / I	a<79quw(bw	u C73		<79 o	<79 o	C282 o	<79 o	<79 o	<79 o
A/ DREeO / I	a<72quw(bw	u C73		<72 o	<72 o	<72 o	<72 o	<72 o	<72 o
) sG Ee/ DRI / I	a<75quw(bw	u C73		<75 o	<75 o	Cg85 o	<75 o	<75 o	<75 o
BSEE / I	a<79quw(bw	u C73		<79 o	<79 o	C. 8C o	<79 o	<79 o	<79 o
c l / zRe0e/ DREeO / I	a<7. quw(bw	u C73		<7. o	<7. o	72 o	<7. o	<7. o	<7. o
I RESI / I	a<7Wquw(bw	u C73		<7W o	<7W o	C289 o	<7W o	<7W o	798g o
c l / z: PhOfsG Ee/ DRI / I	a<79quw(bw	u C73		<79 o	<79 o	448C o	<79 o	<79 o	7585 o
c l / z: PbOfsG Ee/ DRI / I	a<7. quw(bw	u C73		<7. o	<7. o	<7. o	<7. o	<7. o	<7. o
c l / z: Re0dSEE / I	a<79quw(bw	u C73		<79 o	<79 o	7282 o	<79 o	<79 o	<79 o
y/ FI / : P7,C,4aCF0dSEE / I	a<73quw(bw	u C73		<73 o	<73 o	<73 o	<73 o	<73 o	<73 o
6 tnl / z: Re,RQe/ DREeO / I	a<C4quw(bw	u C73		<C4 o	<C4 o	<C4 o	<C4 o	<C4 o	<C4 o
c l / z: Rw,R,t0dl EESs / I	a<C. quw(bw	u C73		<C. o	<C. o	<C. o	<C. o	<C. o	<C. o
BA- ,ou: Dess6 I DI CDI FdJNp BAo72	a<773quw(bw	u C73		<773 o	<773 o	754 o	<773 o	<773 o	<773 o

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NB74	NB7.	NB79	NB72	NB75	NB73
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0
			Date Sampled	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73
			Sample Time	74rWWW	74rWWW	74rWWW	74rWWW	74rWWW	74rWWW
			Date Received	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73
			SDG Ref	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44
			Lab Sample No.(s)	7559. . Cg	7559. . 4W	7559. . 47	7559. . 4C	7559. . 44	7559. . 4.
			AGS Reference						
TedRDRes / I aF3c%dEO LIES**	a%	u C73		7W7 o	g284 o	7W7 o	gg89 o	g. 82 o	3g85 o
AO / edRDRI / I aF7W%o EO LIES**	a%	u C73		g483 o	g. 82 o	g289 o	g583 o	3. 8 o	398C o
BRI / e/ DRE / I aF7W%dEO LIES**	a%	u C73		gg o	7WC o	g584 o	g789 o	g. o	g289 o
I RES I / I aF7Cc%dEO LIES**	a%	u C73		g283 o	3W89 o	g387 o	g284 o	7Wg o	775 o
BI ESs / I aF7Cc%dEO LIES**	a%	u C73		g387 o	3982 o	7WW o	7WW o	g983 o	g584 o
TedRDRes / I	ox<gqquw(bw	u C73		<g o	<g o	CW8g o	7582 o	<. 9 o	225 o
AO / edRDRSs / I	ox<7Cquw(bw	u C73		<7C o	<7C o	<7C o	<7C o	<2W o	<2W o
AO / edRDRI / I	ox<3quw(bw	u C73		<3 o	<3 o	C283 o	<3 o	<. W o	C79W o
) sG EI / I	ox<7Wquw(bw	u C73		<7W o	<7W o	CC84 o	<7W o	<9W o	734W o
BRI / e/ DRE / I	ox<79quw(bw	u C73		C. 89 o	<79 o	77. o	9784 o	gW8 o	74WWW o
A/ DREeO / I	ox<72quw(bw	u C73		<72 o	<72 o	4484 o	<72 o	<3W o	43WW o
) sG Ee/ DRI / I	ox<75quw(bw	u C73		938 o	<75 o	7g4 o	398g o	7. 2 o	75CWW o
BSEI / I	ox<79quw(bw	u C73		94 o	<79 o	724 o	3W89 o	743 o	7. 3WW o
c l / zRe0e/ DREeO / I	ox<7. quw(bw	u C73		C389 o	<7. o	5987 o	4g84 o	<5W o	27. W o
I RES I / I	ox<7Wquw(bw	u C73		. W83 o	<7W o	3285 o	. 385 o	3782 o	. 34W o
c l / z: PhOfsG Ee/ DRI / I	ox<79quw(bw	u C73		9485 o	<79 o	77g o	2784 o	348g o	. . gW o
c l / z: PbOfsG Ee/ DRI / I	ox<7. quw(bw	u C73		738 o	<7. o	. 4 o	C484 o	<5W o	CCgW o
c l / z: Re0dSEI / I	ox<79quw(bw	u C73		C482 o	<79 o	5. 87 o	. W83 o	<59 o	. C9W o
y/ FI / : P7,C,4aCF0dSEI / I	ox<73quw(bw	u C73		<73 o	<73 o	. . 8 o	CC83 o	<gW o	733W o
6 tnl / z: Pe,RQe/ DREeO / I	ox<C4quw(bw	u C73		<C4 o	<C4 o	<C4 o	<C4 o	<779 o	4g3 o
c l / z: Pw,R,t0dI ESs / I	ox<C. quw(bw	u C73		C582 o	<C. o	278C o	4489 o	<7CW o	7g5W o
BA- ,ou: Dess6 I DI CDI FdJNp BAc72	ox<773quw(bw	u C73		4C3 o	<773 o	7W3W o	9W9 o	<9gW o	5g5WW o

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

PAH by GCMS

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NB7g	NBCW				
			Depth (m)	8	8				
			Sample Type	N: ts(N: sFcFN0	N: ts(N: sFcFN0				
			Date Sampled	7. (W2(CV73	7. (W2(CV73				
			Sample Time	74rWWW	74rWWW				
			Date Received	72(W2(CV73	72(W2(CV73				
			SDG Ref	73W272a44	73W272a44				
			Lab Sample No.(s)	7559. . 49	7559. . 42				
			AGS Reference						
TedRDRes / l aF3c%dE O LI ES**	a%	u C73		g287 o	g982 o				
AO / edRDR / l aF7W%o E O LI ES**	a%	u C73		g382 o	gW8g o				
BR / e/ DRE / l aF7W%dE O LI ES**	a%	u C73		7W0 o	g98g o				
l RES l / l aF7Cc%dE O LI ES**	a%	u C73		g487 o	7W8 o				
Bl ESs / l aF7Cc%dE O LI ES**	a%	u C73		g38C o	g582 o				
TedRDRes / l	ax<gquw(bw	u C73		7287 o	<g o				
AO / edRDRSs / l	ax<7Cquw(bw	u C73		<7C o	<7C o				
AO / edR DR / l	ax<3quw(bw	u C73		g89 o	<3 o				
) sG E / l	ax<7Wquw(bw	u C73		<7W o	<7W o				
BR / e/ DRE / l	ax<79quw(bw	u C73		7WC o	4W8g o				
A/ DREeO / l	ax<72quw(bw	u C73		C385 o	<72 o				
) sG Ee/ DR / l	ax<75quw(bw	u C73		73C o	2g84 o				
BSE / l	ax<79quw(bw	u C73		72C o	278C o				
c l / zRe0e/ DREeO / l	ax<7. quw(bw	u C73		5W8g o	4485 o				
l RES l / l	ax<7Wquw(bw	u C73		9985 o	4C38 o				
c l / z: Rh0fsG Ee/ DR / l	ax<79quw(bw	u C73		3287 o	. 587 o				
c l / z: Rb0fsG Ee/ DR / l	ax<7. quw(bw	u C73		4788 o	7287 o				
c l / z: Re0dSE / l	ax<79quw(bw	u C73		2387 o	C5 o				
y/ Fl / : R?,C,4aCF0dSE / l	ax<73quw(bw	u C73		. 589 o	<73 o				
6 tnl / z: Re,RQe/ DREeO / l	ax<C4quw(bw	u C73		<C4 o	<C4 o				
c l / z: Rw,R,t0dl ESs / l	ax<C. quw(bw	u C73		9C8C o	<C. o				
BA- ,ou: Dasa6 l D(OD FdJNp BAo72	ax<773quw(bw	u C73		g74 o	473 o				

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBW7	NBWC	NBW4	NBW	NBW9	NBW2
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0
			Date Sampled	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73
			Sample Time	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW
			Date Received	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73
			SDG Ref	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44
			Lab Sample No.(s)	7559. . 72	7559. . 75	7559. . 73	7559. . 7g	7559. . CW	7559. . C7
			AGS Reference						
x v mdNGEE weDd%dE O LI ES**	d%	u V8g		5g	g7	3C	77C	7W	772
x v mou mudP : ti DDEE d : EE CDF0	do<. . quw(bw	u V8g		<. .	<. .	<. .	<. .	<. .	<. .
AsdReDO o>l 9al 2	do<7Wquw(bw	u V8g		<7W	<7W	<7W	<7W	<7W	<7W
AsdReDO o>l 2al 3	do<7Wquw(bw	u V8g		<7W	<7W	<7W	<7W	<7W	<7W
AsdReDO o>l 3al 7W	do<7Wquw(bw	u V8g		<7W	<7W	<7W	<7W	<7W	<7W
AsdReDO o>l 7Wal 7C	do<7Wquw(bw	u V8g		<7W	<7W	<7W	<7W	<7W	<7W
AsdReDO o>l 7Cal 72	do<7WWquw(bw	u 754		<7WW	5WW	5gW	<7WW	<7WW	<7WW
AsdReDO o>l 72al C7	do<7WWquw(bw	u 754		<7WW	745W	C5. W	299	CW W	7. . W
AsdReDO o>l C7al 49	do<7WWquw(bw	u 754		. 53W	7. 2WW	Cg4WW	232W	429WW	7W7WW
AsdReDO o>l 49al . .	do<7WWquw(bw	u 754		<7WW	929W	7. 7WW	7. 2W	73WWW	CCWW
u: DesAsdReDO o>l 7Cal . .	do<7WWquw(bw	u 754		. 53W	CC4WW	. 2gWW	3g5W	929WW	745WW
AE h eDO o>pl 9apl 5	do<7Wquw(bw	u V8g		<7W	<7W	<7W	<7W	<7W	<7W
AE h eDO o>pl 5apl 3	do<7Wquw(bw	u V8g		<7W	<7W	<7W	<7W	<7W	<7W
AE h eDO o>pl 3apl 7W	do<7Wquw(bw	u V8g		<7W	<7W	<7W	<7W	<7W	<7W
AE h eDO o>pl 7Wpl 7C	do<7Wquw(bw	u V8g		<7W	<7W	<7W	<7W	<7W	<7W
AE h eDO o>pl 7Capl 72	do<7WWquw(bw	u 754		<7WW	<7WW	<7WW	<7WW	<7WW	<7WW
AE h eDO o>pl 72apl C7	do<7WWquw(bw	u 754		<7WW	3CW	753W	<7WW	77WW	7g4
AE h eDO o>pl C7apl 49	do<7WWquw(bw	u 754		. 9WW	7. . WW	C94WW	972W	CC7WW	233W
AE h eDO o>pl 49apl . .	do<7WWquw(bw	u 754		7C3W	524W	752WW	C. 9W	C. 4WW	C52W
AE h eDO o>pl . Wpl . .	do<7WWquw(bw	u 754		<7WW	4W2W	5W7W	774W	77CWW	7W2W
u: DesAE h eDO o>pl 7Capl . .	do<7WWquw(bw	u 754		953W	CC3WW	. . 5WW	527W	. 59WW	g34W
u: DesAsdReDO o&oAE h eDO o >l 9al . .	do<7WWquw(bw	u 754		7W2WW	. 97WW	g72WW	722WW	7W WWW	C42WW

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBV6	NBV8	NBVg	NB7W	NB77	NB7C
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0
			Date Sampled	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73
			Sample Time	74rVWWW	74rVWWW	74rVWWW	74rVWWW	74rVWWW	74rVWWW
			Date Received	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73
			SDG Ref	73V272a44	73V272a44	73V272a44	73V272a44	73V272a44	73V272a44
			Lab Sample No.(s)	7559. . CC	7559. . C4	7559. . C.	7559. . C2	7559. . C5	7559. . C3
			AGS Reference						
x v mdNGEE weDd%dE O LI ES**	a%	u V8g		g3 o	774 o	7V8 o	g4 o	34 o	g9 o
x v mou mudP : ti DBEEd : EEE CDF0	ao<. . quw(bw	u V8g		<. . o	<. . o	<. . o	<. . o	<. . o	<. . o
AsdReDDO o>l 9al 2	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AsdReDDO o>l 2al 3	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AsdReDDO o>l 3al 7W	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AsdReDDO o>l 7Wal 7C	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AsdReDDO o>l 7Cal 72	ao<7WWquw(bw	u 754		<7WW o	<7WW o	2g7 o	<7WW o	<7WW o	<7WW o
AsdReDDO o>l 72al C7	ao<7WWquw(bw	u 754		7VgW o	5Cg o	7. 5W o	<7WW o	<7WW o	<7WW o
AsdReDDO o>l C7al 49	ao<7WWquw(bw	u 754		924W o	C29W o	9W W o	3V8 o	9. 5W o	37CW o
AsdReDDO o>l 49al . .	ao<7WWquw(bw	u 754		<7WW o	<7WW o	729W o	<7WW o	<7WW o	<7WW o
u: DesAsdReDDO o>l 7Cal . .	ao<7WWquw(bw	u 754		25CW o	443W o	339W o	3V8 o	9. 5W o	37CW o
AE h eDDO o>pl 9apl 5	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AE h eDDO o>pl 5apl 3	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AE h eDDO o>pl 3apl 7W	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AE h eDDO o>pl 7Wpl 7C	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AE h eDDO o>pl 7Capl 72	ao<7WWquw(bw	u 754		<7WW o	7g4 o	<7WW o	<7WW o	<7WW o	<7WW o
AE h eDDO o>pl 72apl C7	ao<7WWquw(bw	u 754		47g o	39. o	5C7 o	<7WW o	<7WW o	<7WW o
AE h eDDO o>pl C7apl 49	ao<7WWquw(bw	u 754		97WW o	. 7CW o	9V6W o	CC7W o	Cg5W o	27CW o
AE h eDDO o>pl 49apl . .	ao<7WWquw(bw	u 754		C5. W o	43. W o	734W o	754W o	<7WW o	<7WW o
AE h eDDO o>pl . Wpl . .	ao<7WWquw(bw	u 754		77. W o	C7CW o	229 o	gV7 o	<7WW o	<7WW o
u: DesAE h eDDO o>pl 7Capl . .	ao<7WWquw(bw	u 754		372W o	gVWW o	52CW o	4g. W o	Cg5W o	27CW o
u: DesAsdReDDO o&oAE h eDDO o >l 9al . .	ao<7WWquw(bw	u 754		7. gVWW o	7C. VWW o	729VWW o	. 5. W o	3. . W o	7. CWW o

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NB74	NB7.	NB79	NB72	NB75	NB73
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0	N: ts(N: sFdRN0
			Date Sampled	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73
			Sample Time	74rVWWW	74rVWWW	74rVWWW	72(V2(CV73	74rVWWW	74rVWWW
			Date Received	72(V2(CV73	72(V2(CV73	72(V2(CV73	73V272a44	72(V2(CV73	72(V2(CV73
			SDG Ref	73V272a44	73V272a44	73V272a44	7559. . 4C	73V272a44	73V272a44
			Lab Sample No.(s)	7559. . Cg	7559. . 4W	7559. . 47		7559. . 44	7559. . 4.
			AGS Reference						
x v mdNGEE weDd%dE O LI ES**	a%	u V8g		g4 o	g4 o	57 o	39 o	33 o	5C o
x v mou mudP : ti DBEEd : EEE CDF0	ao<. . quw(bw	u V8g		<. . o	<. . o	<. . o	<. . o	<. . o	928C o
AsdReDDO o>l 9al 2	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AsdReDDO o>l 2al 3	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AsdReDDO o>l 3al 7W	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AsdReDDO o>l 7Wal 7C	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	758l o
AsdReDDO o>l 7Cal 72	ao<7WWquw(bw	u 754		<7WW o	g55 o	<7WW o	<7WW o	<7WW o	C. 5W o
AsdReDDO o>l 72al C7	ao<7WWquw(bw	u 754		<7WW o	g99 o	5C4W o	C5. W o	g99 o	. V8W o
AsdReDDO o>l C7al 49	ao<7WWquw(bw	u 754		9C2W o	5C2W o	744VWW o	. V8VWW o	425VWW o	9V8VWW o
AsdReDDO o>l 49al . .	ao<7WWquw(bw	u 754		<7WW o	973 o	72. WW o	7C5VWW o	7CCVWW o	CVgVWW o
u: DesAsdReDDO o>l 7Cal . .	ao<7WWquw(bw	u 754		9C2W o	g57W o	795VWW o	99gVWW o	. g3VWW o	53CVWW o
AE h eDDO o>pl 9apl 5	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AE h eDDO o>pl 5apl 3	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AE h eDDO o>pl 3apl 7W	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
AE h eDDO o>pl 7Wpl 7C	ao<7Wquw(bw	u V8g		<7W o	<7W o	<7W o	<7W o	<7W o	778g o
AE h eDDO o>pl 7Capl 72	ao<7WWquw(bw	u 754		<7WW o	<7WW o	<7WW o	<7WW o	<7WW o	773W o
AE h eDDO o>pl 72apl C7	ao<7WWquw(bw	u 754		<7WW o	<7WW o	9V2W o	C. 2W o	C92W o	. 54W o
AE h eDDO o>pl C7apl 49	ao<7WWquw(bw	u 754		2W4W o	C33W o	777VWW o	. 52WW o	497VWW o	2V8VWW o
AE h eDDO o>pl 49apl . .	ao<7WWquw(bw	u 754		. 2CW o	<7WW o	752WW o	C4. WW o	CCgVWW o	4g. WW o
AE h eDDO o>pl . Wpl . .	ao<7WWquw(bw	u 754		C42W o	<7WW o	27WW o	g7WW o	gC. W o	729WW o
u: DesAE h eDDO o>pl 7Capl . .	ao<7WWquw(bw	u 754		7W2WW o	C33W o	74. WWW o	54. WW o	2V8VWW o	7W2WWW o
u: DesAsdReDDO o&oAE h eDDO o >l 9al . .	ao<7WWquw(bw	u 754		79gWW o	7C2WW o	Cg7WWW o	7CgVWWW o	77WWWW o	73. WWW o

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

TPH CWG (S)

Results Legend	
#	ISO17025 accredited.
M	*m*CERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NB7g	NBCW				
			Depth (m)	8	8				
			Sample Type	N: ts(N: sFcRN0	N: ts(N: sFcRN0				
			Date Sampled	7. (W2(CW73	7. (W2(CW73				
			Sample Time	74rWWW	74rWWW				
			Date Received	72(W2(CW73	72(W2(CW73				
			SDG Ref	73W272a44	73W272a44				
			Lab Sample No.(s)	7559. . 49	7559. . 42				
			AGS Reference						
x v mdNGEE weDd%dE O LI ES**	d%	u V8g		g3 o	7WW o				
x v mou mudP : ti DBEEd : EEE CDF0	o<. . quw(bw	u V8g		<. . o	<. . o				
AsdReDO c>l 9al 2	o<7Wquw(bw	u V8g		<7W o	<7W o				
AsdReDO c>l 2al 3	o<7Wquw(bw	u V8g		<7W o	<7W o				
AsdReDO c>l 3al 7W	o<7Wquw(bw	u V8g		<7W o	<7W o				
AsdReDO c>l 7Wal 7C	o<7Wquw(bw	u V8g		<7W o	<7W o				
AsdReDO c>l 7Cal 72	o<7WWquw(bw	u 754		7. 7W o	4C. o				
AsdReDO c>l 72al C7	o<7WWquw(bw	u 754		4g7W o	. C5W o				
AsdReDO c>l C7al 49	o<7WWquw(bw	u 754		4C. WW o	7g9WW o				
AsdReDO c>l 49al . .	o<7WWquw(bw	u 754		774WW o	749W o				
u: DesAsdReDO c>l 7Cal . .	o<7WWquw(bw	u 754		. gWWW o	C9. WW o				
AE h eDO c>pl 9apl 5	o<7Wquw(bw	u V8g		<7W o	<7W o				
AE h eDO c>pl 5apl 3	o<7Wquw(bw	u V8g		<7W o	<7W o				
AE h eDO c>pl 3apl 7W	o<7Wquw(bw	u V8g		<7W o	<7W o				
AE h eDO c>pl 7Wpl 7C	o<7Wquw(bw	u V8g		<7W o	<7W o				
AE h eDO c>pl 7Capl 72	o<7WWquw(bw	u 754		7W4W o	<7WW o				
AE h eDO c>pl 72apl C7	o<7WWquw(bw	u 754		. 43W o	CC7W o				
AE h eDO c>pl C7apl 49	o<7WWquw(bw	u 754		C37WW o	4g4WW o				
AE h eDO c>pl 49apl . .	o<7WWquw(bw	u 754		79CWW o	3ggW o				
AE h eDO c>pl . Wpl . .	o<7WWquw(bw	u 754		243W o	4. CW o				
u: DesAE h eDO c>pl 7Capl . .	o<7WWquw(bw	u 754		. 35WW o	9W8WW o				
u: DesAsdReDO c&cAE h eDO c>l 9al . .	o<7WWquw(bw	u 754		g55WW o	59gWW o				

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBW7	NBWC	NBW4	NBW	NBW9	NBW2
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0
			Date Sampled	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73
			Sample Time	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW
			Date Received	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73
			SDG Ref	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44
			Lab Sample No.(s)	7559. . 72	7559. . 75	7559. . 73	7559. . 7g	7559. . CW	7559. . C7
			AGS Reference						
6tnE h : fsG: E h l DRe/ l **	a0%	u 772		7Wg o	7Wg o	77C o	774 o	7W5 o	774 o
u: sGl / l aF3**	a0%	u 772		gC89 o	g784 o	g785 o	g. 8C o	g. 8C o	g. 8g o
. ac E h : fsG: E nl / zl / l **	a0%	u 772		5285 o	3782 o	598C o	5g o	3W87 o	3C o
6tORs E FtfsG: E h l DRe/ l	aox<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
l Rs E h l DRe/ l	aox<5quw(bw	u 772		<5 d#	<5 d#	<5 d#	<5 d#	<5 d#	<5 d#
1t/ Sad Rs EtFl	aox<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
c E h : h l DRe/ l	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l Rs E l DRe/ l	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
uEtORs E fsG: E Eh l DRe/ l	aox<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
7,7a6 tORs E l DRl / l	aox<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
l eEn: / o6 ti GadRtFl	aox<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o
6tORs E h l DRe/ l	aox<7Wquw(bw	u 772		. 98C d#	448g d#	228g d#	9382 d#	4C8g d#	. 289 d#
l DRSsaul EtEeESoc GtSkap DRl E	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
DEe/ i a7,Ca6 tORs E l DRl / l	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,7a6 tORs E l DRe/ l	aox<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
Oi a7,Ca6 tORs E l DRl / l	aox<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
C,Ca6 tORs E dE de/ l	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
c E h : ORs E h l DRe/ l	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l Rs E f: Eh	aox<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
7,7,7au EtORs E l DRe/ l	aox<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o
7,7a6 tORs E dE dl / l	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l eEn: / DlDEeORs EtFl	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,Ca6 tORs E l DRe/ l	aox<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
c l / zl / l	aox<gquw(bw	u 772		<g o	<g o	<g o	<g o	<g o	<g o
uEtORs E l DRl / l	aox<gquw(bw	u 772		<g d#	<g d#	<g d#	<g d#	<g d#	<g d#
7,Ca6 tORs E dE de/ l	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
6tnE h : h l DRe/ l	aox<gquw(bw	u 772		<g o	<g o	<g o	<g o	<g o	<g o
c E h : FtORs E h l DRe/ l	aox<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o
Oi a7,4a6 tORs E dE dl / l	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
u: sGl / l	aox<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o
DEe/ i a7,4a6 tORs E dE dl / l	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,7,Cau EtORs E l DRe/ l	aox<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,4a6 tORs E dE de/ l	aox<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBW7	NBWC	NBW4	NBW	NBW8	NBW2
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: t$N: sF<RN0	N: t$N: sF<RN0	N: t$N: sF<RN0	N: t$N: sF<RN0	N: t$N: sF<RN0	N: t$N: sF<RN0
			Date Sampled	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73
			Sample Time	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW
			Date Received	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73
			SDG Ref	73W272al4	73W272al4	73W272al4	73W272al4	73W272al4	73W272al4
			Lab Sample No.(s)	7559. . 72	7559. . 75	7559. . 73	7559. . 7g	7559. . CW	7559. . C7
			AGS Reference						
ul DeORs E l DRl / l	oo<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
6tnE h : ORs E h l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,Ca6tnE h : l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l Rs E nl / zl / l	oo<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
7,7,7,Cau l DeORs E l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
pDRSnl / zl / l	oo<. quw(bw	u 772		<. o	<. o	<. o	<. o	<. o	<. o
d(h aXSd / l	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
: aXSd / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
NDSEl / l	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
cE h : f: Eh	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
yi : dE dSnl / zl / l	oo<9quw(bw	u 772		<9 d#	<9 d#	<9 d#	<9 d#	<9 d#	<9 d#
7,7,C,Cau l DeORs E l DRe/ l	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
7,C,4auEtORs E dE de/ l	oo<72quw(bw	u 772		<72 o	<72 o	<72 o	<72 o	<72 o	<72 o
cE h : nl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
BE dSnl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
Cal Rs E DsGl / l	oo<gquw(bw	u 772		<g o	<g o	<g o	<g o	<g o	<g o
7,4,9auEh l DRSnl / zl / l	oo<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
. al Rs E DsGl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
DEEac GSnl / zl / l	oo<7. quw(bw	u 772		<7. o	<7. o	<7. o	<7. o	<7. o	<7. o
7,C,. auEh l DRSnl / zl / l	oo<gquw(bw	u 772		<g d#	<g d#	<g d#	<g d#	<g d#	<g d#
i l Cac GSnl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
. ayi : dE dSDsGl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,4a6tORs E nl / zl / l	oo<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
7,. a6tORs E nl / zl / l	oo<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
/ ac GSnl / zl / l	oo<77quw(bw	u 772		<77 o	<77 o	<77 o	<77 o	<77 o	<77 o
7,Ca6tORs E nl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,Ca6tnE h : a4aORs E dE de/ l	oo<7. quw(bw	u 772		<7. o	<7. o	<7. o	<7. o	<7. o	<7. o
ul EEaeh Ssh l DRSsd DRl E	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
7,C,. auEtORs E nl / zl / l	oo<CWquw(bw	u 772		<CW o	<CW o	<CW o	<CW o	<CW o	<CW o
- l MeORs E nGaeFtl / l	oo<CWquw(bw	u 772		<CW o	<CW o	<CW o	<CW o	<CW o	<CW o
TedRDRes l / l	oo<74quw(bw	u 772		<74 o	<74 o	<74 o	<74 o	<74 o	<74 o
7,C,4auEtORs E nl / zl / l	oo<CWquw(bw	u 772		<CW d#	<CW d#	<CW d#	<CW d#	<CW d#	<CW d#

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBW7	NBWC	NBW4	NBW	NBW8	NBW2
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sF-RN0	N: ts(N: sF-RN0	N: ts(N: sF-RN0	N: ts(N: sF-RN0	N: ts(N: sF-RN0	N: ts(N: sF-RN0
			Date Sampled	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73
			Sample Time	74rWWW	74rWWW	74rWWW	74rWWW	74rWWW	74rWWW
			Date Received	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73
			SDG Ref	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44
			Lab Sample No.(s)	7559. . 72	7559. . 75	7559. . 73	7559. . 7g	7559. . CW	7559. . C7
			AGS Reference						
1ml ouy	oo	u 772		T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o
NCh o f6 I D CDF oX Sd / I i	oo<VBWC ch w(bw	u 772		<VBWC o	<VBWC o	<VBWC o	<VBWC o	<VBWC o	<VBWC o
NCh o foc up X	oo<. W(uw(bw	u 772		<. W o	<. W o	<. W o	<. W o	<. W o	<. W o
u: Dasd ml ouy	oo<9W(uw(bw	u 772		W o	W o	W o	W o	W o	W o

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBV6	NBV8	NBVg	NB7W	NB77	NB7C
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0
			Date Sampled	7. (W2(C/V73	7. (W2(C/V73	7. (W2(C/V73	7. (W2(C/V73	7. (W2(C/V73	7. (W2(C/V73
			Sample Time	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW
			Date Received	72(W2(C/V73	72(W2(C/V73	72(W2(C/V73	72(W2(C/V73	72(W2(C/V73	72(W2(C/V73
			SDG Ref	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44
			Lab Sample No.(s)	7559. . CC	7559. . C4	7559. . C.	7559. . C2	7559. . C5	7559. . C3
			AGS Reference						
6tnE:h : fsG: E:h l DRe/ l **	a0%	u 772		77W o	7W6 o	7W8 o	77. o	7W6 o	774 o
u: sG: l aF3**	a0%	u 772		gC83 o	g. 87 o	gW82 o	g48C o	g28C o	gC85 o
. ac:E:h : fsG: E:nl / zl / l **	a0%	u 772		558 o	5g84 o	5282 o	5589 o	538g o	528g o
6tORs E:FtfsG: E:h l DRe/ l	aa<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
l Rs E:h l DRe/ l	aa<5quw(bw	u 772		<5 a#	<5 a#	<5 a#	<5 a#	<5 a#	<5 a#
1t/ Sad Rs EtFl	aa<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
c E:h : h l DRe/ l	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l Rs E l DRe/ l	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
uEtORs E fsG: E:Eh l DRe/ l	aa<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
7,7a6tORs E l DRl / l	aa<7Wquw(bw	u 772		<7W a#	<7W a#	<7W a#	<7W a#	<7W a#	<7W a#
l eEn: / o6ti GadRtFl	aa<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o
6tORs E:h l DRe/ l	aa<7Wquw(bw	u 772		. g a#	9487 a#	258g a#	9C8 a#	4C85 a#	3C83 a#
l DRSau l EtEeESoc GtSkap DRl E	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
DEe/ i a7,Ca6tORs E l DRl / l	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,7a6tORs E l DRe/ l	aa<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
Oi a7,Ca6tORs E l DRl / l	aa<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
C,Ca6tORs E:dE:de/ l	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
c E:h : ORs E:h l DRe/ l	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l Rs E f: Eh	aa<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
7,7,7auEtORs E l DRe/ l	aa<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	382g o
7,7a6tORs E:dE:dl / l	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l eEn: / DlDEeORs EtFl	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,Ca6tORs E l DRe/ l	aa<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
c l / zl / l	aa<gquw(bw	u 772		<g o	<g o	<g o	<g o	<g o	<g o
uEtORs E l DRl / l	aa<gquw(bw	u 772		<g a#	<g a#	<g a#	<g a#	<g a#	<g a#
7,Ca6tORs E:dE:de/ l	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
6tnE:h : h l DRe/ l	aa<gquw(bw	u 772		<g o	<g o	<g o	<g o	<g o	<g o
c E:h : FtORs E:h l DRe/ l	aa<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o
Oi a7,4a6tORs E:dE:dl / l	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
u: sG: l	aa<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o
DEe/ i a7,4a6tORs E:dE:dl / l	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,7,CauEtORs E l DRe/ l	aa<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,4a6tORs E:dE:de/ l	aa<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBV6	NBV8	NBVg	NB7W	NB77	NB7C
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0
			Date Sampled	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73
			Sample Time	74rVWWV	74rVWWV	74rVWWV	74rVWWV	74rVWWV	74rVWWV
			Date Received	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73
			SDG Ref	73V272al4	73V272al4	73V272al4	73V272al4	73V272al4	73V272al4
			Lab Sample No.(s)	7559. . OC	7559. . O4	7559. . C.	7559. . C2	7559. . O5	7559. . O3
			AGS Reference						
ul DeORs E l DRl / l	oo<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
6tnE h : ORs E h l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,Ca6tnE h : l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l Rs E nl / zl / l	oo<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
7,7,7,Cau l DeORs E l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
pDRSnl / zl / l	oo<. quw(bw	u 772		<. o	<. o	<. o	<. o	<. o	<. o
d(h aXSd / l	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
: aXSd / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
NDSEl / l	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
cE h : f: Eh	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
yi : dE dSnl / zl / l	oo<9quw(bw	u 772		<9 d#	<9 d#	<9 d#	<9 d#	<9 d#	<9 d#
7,7,C,Cau l DeORs E l DRe/ l	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
7,C,4auEtORs E dE de/ l	oo<72quw(bw	u 772		<72 o	<72 o	<72 o	<72 o	<72 o	<72 o
cE h : nl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
BE dSnl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
Cal Rs E DsGl / l	oo<gquw(bw	u 772		<g o	<g o	<g o	<g o	<g o	<g o
7,4,9auEh l DRSnl / zl / l	oo<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
. al Rs E DsGl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
DEac GSnl / zl / l	oo<7. quw(bw	u 772		<7. o	<7. o	<7. o	<7. o	<7. o	<7. o
7,C,. auEh l DRSnl / zl / l	oo<gquw(bw	u 772		<g d#	<g d#	<g d#	<g d#	<g d#	<g d#
i l Cac GSnl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
. ayi : dE dSDsGl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,4a6tORs E nl / zl / l	oo<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
7,. a6tORs E nl / zl / l	oo<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
/ ac GSnl / zl / l	oo<77quw(bw	u 772		<77 o	<77 o	<77 o	<77 o	<77 o	<77 o
7,Ca6tORs E nl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,Ca6tnE h : a4aORs E dE de/ l	oo<7. quw(bw	u 772		<7. o	<7. o	<7. o	<7. o	<7. o	<7. o
ul Eaeh Ssh l DRSsd DRl E	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
7,C,. auEtORs E nl / zl / l	oo<CWquw(bw	u 772		<CW o	<CW o	<CW o	<CW o	<CW o	<CW o
- l MeORs E nGaFtl / l	oo<CWquw(bw	u 772		<CW o	<CW o	<CW o	<CW o	<CW o	<CW o
TedRDRes l / l	oo<74quw(bw	u 772		<74 o	<74 o	<74 o	<74 o	<74 o	<74 o
7,C,4auEtORs E nl / zl / l	oo<CWquw(bw	u 772		<CW d#	<CW d#	<CW d#	<CW d#	<CW d#	<CW d#

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NBV6	NBV8	NBV9	NB7W	NB77	NB7C
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sF>RN0	N: ts(N: sF>RN0	N: ts(N: sF>RN0	N: ts(N: sF>RN0	N: ts(N: sF>RN0	N: ts(N: sF>RN0
			Date Sampled	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73
			Sample Time	74rVWWW	74rVWWW	74rVWWW	74rVWWW	74rVWWW	74rVWWW
			Date Received	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73
			SDG Ref	73V272a14	73V272a14	73V272a14	73V272a14	73V272a14	73V272a14
			Lab Sample No.(s)	7559. . OC	7559. . O4	7559. . C.	7559. . C2	7559. . C5	7559. . C3
			AGS Reference						
1ml ouy	oo	u 772		T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o
NCh o f6 I D CDF oX Sd / I i	oo<VBVC ch w(bw	u 772		<VBVC o	<VBVC o	<VBVC o	<VBVC o	<VBVC o	<VBVC o
NCh o foc up X	oo<. Vtjuw(bw	u 772		<. W o	<. W o	<. W o	<. W o	<. W o	<. W o
u: Dest ml ouy	oo<9Vtjuw(bw	u 772		W o	W o	W o	W o	W o	W o

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NB74	NB7.	NB79	NB72	NB75	NB73
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0
			Date Sampled	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73
			Sample Time	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW	74rWWWW
			Date Received	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73
			SDG Ref	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44
			Lab Sample No.(s)	7559. . Cg	7559. . 4W	7559. . 47	7559. . 4C	7559. . 44	7559. . 4.
			AGS Reference						
6tnE h : fsG: E h l DRe/ l **	a%	u 772		7Vg o	7V5 o	7V9 o	7Vg o	7V9 o	7Vg o
u: sGl / l aF3**	a%	u 772		g987 o	g984 o	3g83 o	gV82 o	gV8g o	3283 o
. ac E h : fsG: E nl / zl / l **	a%	u 772		528C o	5g84 o	5V8 o	578C o	5987 o	5787 o
6tORs E FtfsG: E h l DRe/ l	ao<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
l Rs E h l DRe/ l	ao<5quw(bw	u 772		<5 d#	<5 d#	<5 d#	<5 d#	<5 d#	<5 d#
1t/ Sad Rs EtFl	ao<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
c E h : h l DRe/ l	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l Rs E l DRe/ l	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
uEtORs E fsG: E Eh l DRe/ l	ao<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
7,7a6tORs E l DRl / l	ao<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
l eEn: / o6ti GadRtFl	ao<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o
6tORs E h l DRe/ l	ao<7Wquw(bw	u 772		C384 d#	7485 d#	44 d#	5389 d#	95 d#	3784 d#
l DRSsaul EtEeESoc GtSkap DRl E	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
DEe/ i a7,Ca6tORs E l DRl / l	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,7a6tORs E l DRe/ l	ao<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
Oi a7,Ca6tORs E l DRl / l	ao<2quw(bw	u 772		<2 o	<2 o	<2 o	<2 o	<2 o	<2 o
C,Ca6tORs E dE de/ l	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
c E h : ORs E h l DRe/ l	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l Rs E f: Eh	ao<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
7,7,7auEtORs E l DRe/ l	ao<5quw(bw	u 772		g833 o	<5 o	<5 o	<5 o	<5 o	<5 o
7,7a6tORs E dE dl / l	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l eEn: / DlDEeORs EtFl	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,Ca6tORs E l DRe/ l	ao<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
c l / zl / l	ao<gquw(bw	u 772		<g o	<g o	<g o	<g o	<g o	<g o
uEtORs E l DRl / l	ao<gquw(bw	u 772		<g d#	<g d#	<g d#	<g d#	<g d#	<g d#
7,Ca6tORs E dE de/ l	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
6tnE h : h l DRe/ l	ao<gquw(bw	u 772		<g o	<g o	<g o	<g o	<g o	<g o
c E h : FtORs E h l DRe/ l	ao<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o
Oi a7,4a6tORs E dE dl / l	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
u: sGl / l	ao<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o
DEe/ i a7,4a6tORs E dE dl / l	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,7,CauEtORs E l DRe/ l	ao<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,4a6tORs E dE de/ l	ao<5quw(bw	u 772		<5 o	<5 o	<5 o	<5 o	<5 o	<5 o

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NB74	NB7.	NB79	NB72	NB75	NB73
			Depth (m)	8	8	8	8	8	8
			Sample Type	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0	N: ts(N: sF<RN0
			Date Sampled	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73	7. (V2(CV73
			Sample Time	74rVWWV	74rVWWV	74rVWWV	74rVWWV	74rVWWV	74rVWWV
			Date Received	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73	72(V2(CV73
			SDG Ref	73V272at4	73V272at4	73V272at4	73V272at4	73V272at4	73V272at4
			Lab Sample No.(s)	7559. . Cg	7559. . 4W	7559. . 47	7559. . 4C	7559. . 44	7559. . 4.
			AGS Reference						
ul DeORs E l DRl / l	oo<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
6tnE h : ORs E h l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,Ca6tnE h : l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
l Rs E nl / zl / l	oo<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
7,7,7,Cau l DeORs E l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
pDRSnl / zl / l	oo<. quw(bw	u 772		<. o	<. o	<. o	<. o	<. o	<. o
d(h aXSd / l	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
: aXSd / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
NDSEl / l	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
cE h : f: Eh	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
yi : dE dSnl / zl / l	oo<9quw(bw	u 772		<9 d#	<9 d#	<9 d#	<9 d#	<9 d#	<9 d#
7,7,C,Cau l DeORs E l DRe/ l	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
7,C,4auEtORs E dE de/ l	oo<72quw(bw	u 772		<72 o	<72 o	<72 o	<72 o	<72 o	<72 o
cE h : nl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
BE dSnl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
Cal Rs E DdG / l	oo<gquw(bw	u 772		<g o	<g o	<g o	<g o	<g o	<g o
7,4,9auEh l DRSnl / zl / l	oo<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
. al Rs E DdG / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
DEac GSnl / zl / l	oo<7. quw(bw	u 772		<7. o	<7. o	<7. o	<7. o	<7. o	<7. o
7,C,. auEh l DRSnl / zl / l	oo<gquw(bw	u 772		<g d#	<g d#	<g d#	<g d#	<g d#	<g d#
i l Cac GSnl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
. ayi : dE dSdDdG / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,4a6tORs E nl / zl / l	oo<3quw(bw	u 772		<3 o	<3 o	<3 o	<3 o	<3 o	<3 o
7,. a6tORs E nl / zl / l	oo<9quw(bw	u 772		<9 o	<9 o	<9 o	<9 o	<9 o	<9 o
/ ac GSnl / zl / l	oo<77quw(bw	u 772		<77 o	<77 o	<77 o	<77 o	<77 o	<77 o
7,Ca6tORs E nl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o	<7W o	<7W o	<7W o	<7W o
7,Ca6tnE h : a4aORs E dE de/ l	oo<7. quw(bw	u 772		<7. o	<7. o	<7. o	<7. o	<7. o	<7. o
ul Eaeh Sdh l DRSd DRl E	oo<7Wquw(bw	u 772		<7W d#	<7W d#	<7W d#	<7W d#	<7W d#	<7W d#
7,C,. auEtORs E nl / zl / l	oo<CWquw(bw	u 772		<CW o	<CW o	<CW o	<CW o	<CW o	<CW o
- l MeORs E nGaFtl / l	oo<CWquw(bw	u 772		<CW o	<CW o	<CW o	<CW o	<CW o	<CW o
TedRDRes l / l	oo<74quw(bw	u 772		<74 o	<74 o	<74 o	<74 o	<74 o	<74 o
7,C,4auEtORs E nl / zl / l	oo<CWquw(bw	u 772		<CW d#	<CW d#	<CW d#	<CW d#	<CW d#	<CW d#

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Customer Sample Ref.	NB74	NB7.	NB79	NB72	NB75	NB73
Depth (m)	8	8	8	8	8	8
Sample Type	N: ts(N: sF-RN0	N: ts(N: sF-RN0	N: ts(N: sF-RN0	N: ts(N: sF-RN0	N: ts(N: sF-RN0	N: ts(N: sF-RN0
Date Sampled	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73	7. (W2(CW73
Sample Time	74rWWW	74rWWW	74rWWW	74rWWW	74rWWW	74rWWW
Date Received	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73	72(W2(CW73
SDG Ref	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44	73W272a44
Lab Sample No.(s)	7559. . Cg	7559. . 4W	7559. . 47	7559. . 4C	7559. . 44	7559. . 4.
AGS Reference						

Component	LOD/Units	Method						
1 ml ouy	oo	u 772	T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o	T: D6 I D CDF o
NCh o f6 I D CDF oX Sd / I i	oo<VBVC ch w(bw	u 772	<VBVC o	<VBVC o	<VBVC o	<VBVC o	<VBVC o	<VBVC o
NCh o foc up X	oo<. Wtjuw(bw	u 772	<. W o	<. W o	<. W o	<. W o	<. W o	<. W o
u: Dest ml ouy	oo<9Wtjuw(bw	u 772	W o	W o	W o	W o	W o	W o

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NB7g	NBCW				
			Depth (m)	8	8				
			Sample Type	N: ts(N: sFcRN0	N: ts(N: sFcRN0				
			Date Sampled	7. (W2(CvV73	7. (W2(CvV73				
			Sample Time	74rWWW	74rWWW				
			Date Received	72(W2(CvV73	72(W2(CvV73				
			SDG Ref	73W272a44	73W272a44				
			Lab Sample No.(s)	7559. . 49	7559. . 42				
			AGS Reference						
6 tnE h : fsG: E h l DRe/ l **	a0%	u 772		7W2 o	7W2 o				
u: sGl / l aF3**	a0%	u 772		g98 o	g58 o				
. ac E h : fsG: E nl / zl / l **	a0%	u 772		3787 o	3W8 o				
6 tORs E FtfsG: E h l DRe/ l	a0<2quw(bw	u 772		<2 o	<2 o				
l Rs E h l DRe/ l	a0<5quw(bw	u 772		<5 o#	<5 o#				
1 t/ Sad Rs EtFl	a0<2quw(bw	u 772		<2 o	<2 o				
c E h : h l DRe/ l	a0<7Wquw(bw	u 772		<7W o	<7W o				
l Rs E l DRe/ l	a0<7Wquw(bw	u 772		<7W o	<7W o				
uEtORs E fsG: E Eh l DRe/ l	a0<2quw(bw	u 772		<2 o	<2 o				
7,7a6 tORs E l DRl / l	a0<7Wquw(bw	u 772		<7W o#	<7W o#				
l eEn: / d6 ti GadRtFl	a0<5quw(bw	u 772		<5 o	<5 o				
6 tORs E h l DRe/ l	a0<7Wquw(bw	u 772		CC8C o#	. 987 o#				
l DRSauI EtEeESoc GtSkap DRl E	a0<7Wquw(bw	u 772		<7W o	<7W o				
DEe/ i a7,Ca6 tORs E l DRl / l	a0<7Wquw(bw	u 772		<7W o	<7W o				
7,7a6 tORs E l DRe/ l	a0<3quw(bw	u 772		<3 o	<3 o				
Oi a7,Ca6 tORs E l DRl / l	a0<2quw(bw	u 772		<2 o	<2 o				
C,Ca6 tORs E dE de/ l	a0<7Wquw(bw	u 772		<7W o	<7W o				
c E h : ORs E h l DRe/ l	a0<7Wquw(bw	u 772		<7W o	<7W o				
l Rs E f: Eh	a0<3quw(bw	u 772		<3 o	<3 o				
7,7,7auEtORs E l DRe/ l	a0<5quw(bw	u 772		<5 o	<5 o				
7,7a6 tORs E dE dl / l	a0<7Wquw(bw	u 772		<7W o	<7W o				
l eEn: / D DEeORs EtFl	a0<7Wquw(bw	u 772		<7W o	<7W o				
7,Ca6 tORs E l DRe/ l	a0<9quw(bw	u 772		<9 o	<9 o				
c l / zl / l	a0<gquw(bw	u 772		<g o	<g o				
uEtORs E l DRl / l	a0<gquw(bw	u 772		<g o#	<g o#				
7,Ca6 tORs E dE de/ l	a0<7Wquw(bw	u 772		<7W o	<7W o				
6 tnE h : h l DRe/ l	a0<gquw(bw	u 772		<g o	<g o				
c E h : FtORs E h l DRe/ l	a0<5quw(bw	u 772		<5 o	<5 o				
Oi a7,4a6 tORs E dE dl / l	a0<7Wquw(bw	u 772		<7W o	<7W o				
u: sGl / l	a0<5quw(bw	u 772		<5 o	<5 o				
DEe/ i a7,4a6 tORs E dE dl / l	a0<7Wquw(bw	u 772		<7W o	<7W o				
7,7,CauEtORs E l DRe/ l	a0<7Wquw(bw	u 772		<7W o	<7W o				
7,4a6 tORs E dE de/ l	a0<5quw(bw	u 772		<5 o	<5 o				

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Component	LOD/Units	Method	Customer Sample Ref.	NB7g	NBCW				
			Depth (m)	8	8				
			Sample Type	N: ts[N: sF=RN0	N: ts[N: sF=RN0				
			Date Sampled	7. (W2(CW73	7. (W2(CW73				
			Sample Time	74rWWWV	74rWWWV				
			Date Received	72(W2(CW73	72(W2(CW73				
			SDG Ref	73W272at4	73W272at4				
			Lab Sample No.(s)	7559. . 49	7559. . 42				
			AGS Reference						
ul DeCRs E l DRl / l	oo<9quw(bw	u 772		<9 o	<9 o				
6 tnE h : CRs E h l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o				
7,Ca6 tnE h : l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o				
l Rs E nl / zl / l	oo<9quw(bw	u 772		<9 o	<9 o				
7,7,7,Cau l DeCRs E l DRe/ l	oo<7Wquw(bw	u 772		<7W o	<7W o				
pDRSsnl / zl / l	oo<. quw(bw	u 772		<. o	<. o				
d(h aXSsl / l	oo<7Wquw(bw	u 772		<7W d#	<7W d#				
: aXSsl / l	oo<7Wquw(bw	u 772		<7W o	<7W o				
NDSEl / l	oo<7Wquw(bw	u 772		<7W d#	<7W d#				
c E h : f: Eh	oo<7Wquw(bw	u 772		<7W o	<7W o				
yi : dE dSsnl / zl / l	oo<9quw(bw	u 772		<9 d#	<9 d#				
7,7,C,Cau l DeCRs E l DRe/ l	oo<7Wquw(bw	u 772		<7W d#	<7W d#				
7,C,4auEtCRs E dE de/ l	oo<72quw(bw	u 772		<72 o	<72 o				
c E h : nl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o				
BE dSsnl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o				
Cal Rs E DsGl / l	oo<gquw(bw	u 772		<g o	<g o				
7,4,9auEh l DRSsnl / zl / l	oo<3quw(bw	u 772		<3 o	<3 o				
. al Rs E DsGl / l	oo<7Wquw(bw	u 772		<7W o	<7W o				
DlEacGSsnl / zl / l	oo<7. quw(bw	u 772		<7. o	<7. o				
7,C,. auEh l DRSsnl / zl / l	oo<gquw(bw	u 772		<g d#	<g d#				
i l CacGSsnl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o				
. ayi : dE dSsDsGl / l	oo<7Wquw(bw	u 772		<7W o	<7W o				
7,4a6 tCRs E nl / zl / l	oo<3quw(bw	u 772		<3 o	<3 o				
7,. a6 tCRs E nl / zl / l	oo<9quw(bw	u 772		<9 o	<9 o				
/ acGSsnl / zl / l	oo<77quw(bw	u 772		<77 o	<77 o				
7,Ca6 tCRs E nl / zl / l	oo<7Wquw(bw	u 772		<7W o	<7W o				
7,Ca6 tnE h : a4aCRs E dE de/ l	oo<7. quw(bw	u 772		<7. o	<7. o				
ul EaehSsh l DRSsd DRl E	oo<7Wquw(bw	u 772		<7W d#	<7W d#				
7,C,. auEtCRs E nl / zl / l	oo<CWquw(bw	u 772		<CW o	<CW o				
- l MeCRs E nGaFtl / l	oo<CWquw(bw	u 772		<CW o	<CW o				
TedRDRes l / l	oo<74quw(bw	u 772		<74 o	<74 o				
7,C,4auEtCRs E nl / zl / l	oo<CWquw(bw	u 772		<CW d#	<CW d#				

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted test.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

Customer Sample Ref.	NB7g	NBOW					
Depth (m)	8	8					
Sample Type	N: ts(N: sF-RN0	N: ts(N: sF-RN0					
Date Sampled	7. (W2(OW73	7. (W2(OW73					
Sample Time	74rWWW	74rWWW					
Date Received	72(W2(OW73	72(W2(OW73					
SDG Ref	73W272at4	73W272at4					
Lab Sample No.(s)	7559. . 49	7559. . 42					
AGS Reference							
Component	**LOD/Units**	**Method**					
1 ml ouy	oo	u 772	T: D6 I D OD F o	T: D6 I D OD F o			
NGh o fo6 I D OD FoXSd / I i	oo<VBWCoh w(bw	u 772	<VBWC o	<VBWC o			
NGh o foc up X	oo<. Wquw(bw	u 772	<. W o	<. W o			
u: Dasd ml ouy	oo<9Wquw(bw	u 772	W o	W o			

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Asbestos Identification - Solid Samples

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP01 SOLID 14/06/2018 00:00:00 17/06/2018 10:30:38 180616-33 17754416 TM048	20/06/2018	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP02 SOLID 14/06/2018 00:00:00 17/06/2018 10:29:31 180616-33 17754417 TM048	20/06/2018	James Richards	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP03 SOLID 14/06/2018 00:00:00 16/06/2018 16:23:25 180616-33 17754418 TM048	20/06/2018	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP04 SOLID 14/06/2018 00:00:00 16/06/2018 16:24:37 180616-33 17754419 TM048	20/06/2018	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP05 SOLID 14/06/2018 00:00:00 17/06/2018 10:27:26 180616-33 17754420 TM048	20/06/2018	James Richards	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP06 SOLID 14/06/2018 00:00:00 16/06/2018 16:09:18 180616-33 17754421 TM048	20/06/2018	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP07 SOLID 14/06/2018 00:00:00 17/06/2018 10:28:31 180616-33 17754422 TM048	20/06/2018	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP08 SOLID 14/06/2018 00:00:00 17/06/2018 09:44:29 180616-33 17754423 TM048	20/06/2018	James Richards	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP09 SOLID 14/06/2018 00:00:00 17/06/2018 10:20:51 180616-33 17754424 TM048	20/06/2018	Lucy Caroe	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP10 SOLID 14/06/2018 00:00:00 16/06/2018 16:25:50 180616-33 17754426 TM048	20/06/2018	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP11 SOLID 14/06/2018 00:00:00 17/06/2018 10:22:03 180616-33 17754427 TM048	20/06/2018	Lucy Caroe	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP12 SOLID 14/06/2018 00:00:00 16/06/2018 16:05:41 180616-33 17754428 TM048	20/06/2018	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP13 SOLID 14/06/2018 00:00:00 17/06/2018 16:40:54 180616-33 17754429 TM048	20/06/2018	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP14 SOLID 14/06/2018 00:00:00 17/06/2018 16:39:18 180616-33 17754430 TM048	20/06/2018	James Richards	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP15 SOLID 14/06/2018 00:00:00 17/06/2018 10:19:10 180616-33 17754431 TM048	20/06/2018	Lucy Caroe	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP16 SOLID 14/06/2018 00:00:00 17/06/2018 10:24:18 180616-33 17754432 TM048	20/06/2018	Andrzej Ferfecki	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Trace
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP17 SOLID 14/06/2018 00:00:00 16/06/2018 16:07:45 180616-33 17754433 TM048	20/06/2018	Andrzej Ferfecki	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP18 SOLID 14/06/2018 00:00:00 17/06/2018 16:37:56 180616-33 17754434 TM048	20/06/2018	Lucy Caroe	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP19 SOLID 14/06/2018 00:00:00 17/06/2018 16:35:01 180616-33 17754435 TM048	20/06/2018	James Richards	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	SP20 SOLID 14/06/2018 00:00:00 16/06/2018 16:04:12 180616-33 17754436 TM048	20/06/2018	Andrzej Ferfecki	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Table of Results - Appendix

Method No	Reference	Description
PM001		BEIdeEeDt / o fdNeh ds i d: Eo I Desi oA/ esSi ti
PM024	: FtftI Foc Nc7455	N: tsodE ideEeDt / d/ OcGFt/ wdR h : wl / ti eDt / ,dh : ti DDEH oi OEI / i o fói : tsi d: EoAi nl i Di o I : / De t/ t/ wo eDEees
TM048	- Nx oC. 3, oAi nl i Di mouRl oe/ esSi D'owGFl d: Eoi eh ds/ w, o e/ esSi ti oe/ FdOs l eEe/ Cl odE O FGEH i	yFl / DfftOeDt / o foAi nl i Di d/ oc Gsboo eDEees
TM062 (S)	Te Dt / esox EEFcBE dl EESo : sFt/ wi oo I DR Fi d: EdRl d : sel Ot / o &oA/ esSi ti o fdNeh ds i dE h oTe Dt / esox EEFdNtDi duL Et : / o7o Nl Oo48g	6 l DDEh t/ eDt / o fdBRl / : si d/ dN: tsi onSo BVl
TM089	: FtftI FrdJNqpBAo I DR Fi o3WOWt&o2WC	6 l DDEh t/ eDt / o fox ei : s/ l ove/ wl o- SFE OeEn: / i dPx v m0oe/ Foc upXdP uc p0oO h d: G/ Fi onSo - l eFi deOl ox l a) y6 oP . al 7O0
TM116	: FtftI FrdJNqpBAo I DR Fo3C2Wo37OWo3WOWo2C. ,o27Wt&o 2WC	6 l DDEh t/ eDt / o fol : seDtsl omEve/ tOd : h d: G/ Fi onSo- l eFi deOl o(ox l a N
TM133	c No7455rdBeEDl 4o7ggWfc No2W23aC89	6 l DDEh t/ eDt / o fod- d/ dN: tsoe/ FdHeDl EdGt/ wdRl ox Vd- od- o I DDE
TM151	I DR Fo49WW6 ,oAH H A(AB- A,oCVWRqpF8o7ggg	6 l DDEh t/ eDt / o fo I MeLes l / Dd RE h tGh oGt/ wdK: / I oe/ esSi E
TM153	I DR Fo 9WWA,c,I ,o,o oAH H A(AB- A,oCVWRqpF8o7ggg	6 l DDEh t/ eDt / o fou: Dest Se/ tFl ,o] El oPpei tsSoVtnl EeDens l Ou Se/ tFl oe/ FouRt: OSe/ eDl oGt/ wo DRl dNbeseEENATN+dNSi Dh dNl wh l / Dl Fo) s k oA/ esSi E
TM173	A/ esSi ti o fdBl DEs i Gh o- SFE OeEn: / i d/ op/ LtE / h l / Deso I Fteo-ou: DessBl DEs i Gh o- SFE OeEn: / d/ EHDEe	6 l DDEh t/ eDt / o fdNdl OeDl Fop MDeODens l oBl DEs i Gh o- SFE OeEn: / i d/ dN: tsi onSox l a) y6
TM181	UNqpBAo I DR Fo2W7Wc	6 l DDEh t/ eDt / o fov : GDl o I Desi d/ dN: tsonSdl edo29WW6 G oy l BampN
TM218	NRebl Ed MDeODt / oapBAdh I DR Fo49. 28	uRl dFl DDEh t/ eDt / o fdBA- d/ o : tsoi eh ds i onSoox l a N
TM222	y/ a- : Gl o I DR F	6 l DDEh t/ eDt / o foe : DdHe DEEN: sOns l oc : E / d/ dN: tsi dP7W7dHe DEEi : tsOnSoyvyNqph ti i t: / o NdlODEh l DDE
TM224	UNqpBAo I DR Fo2W7Wc	6 l DDEh t/ eDt / o foAsbes t/ l o I Desi onSdl edo29WW6 G oy l BampN

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Test Completion Dates

Lab Sample No(s)	7559. . 72	7559. . 75	7559. . 73	7559. . 7g	7559. . CW	7559. . C7	7559. . CC	7559. . C4	7559. . C.	7559. . C2
Customer Sample Ref.	NBW7	NBWC	NBW4	NBW	NBW8	NBW2	NBW6	NBW8	NBWg	NB7W
AGS Ref.										
Depth										
Type	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0
Asbestos Identification Stage 1 (Qualitative)	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3
Ainli Dig6d/dN: sFdNeh dsli	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3
c: E/dHeDEdN: sGnsl	C7aIG aOW3	7gaIG aOW3	C7aIG aOW3	C7aIG aOW3	7gaIG aOW3	7gaIG aOW3	C7aIG aOW3	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3
l Se/tFl d : h d() El l (u: Ides(uRt: OSe/ eD	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	CCaIG aOW3	CCaIG aOW3	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3	CCaIG aOW3	CCaIG aOW3
pB- d Hx dPAstdReDIOOx l dN0	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3
pB- d Hx dPAE h eDIOOx l dN0	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3
x v monSox l aly6dN0	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3
- l MeLesi / Di RE h tGh dP 0	CCaIG aOW3	CCaIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3	CCaIG aOW3	CCaIG aOW3	C7aIG aOW3
l Ides d/ o : sFo eh dsi onSomp N	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	C7aIG aOW3	CWaIG aOW3
BA- onSox l N	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	C7aIG aOW3	C7aIG aOW3	CWaIG aOW3	7gaIG aOW3	CWaIG aOW3	C7aIG aOW3	7gaIG aOW3
d-	73aIG aOW3	73aIG aOW3	75aIG aOW3	7gaIG aOW3	C7aIG aOW3	73aIG aOW3	CWaIG aOW3	73aIG aOW3	CWaIG aOW3	7gaIG aOW3
BRI / : si onSo BVI dN0	7gaIG aOW3	CWaIG aOW3	7gaIG aOW3	CCaIG aOW3	C7aIG aOW3	7gaIG aOW3	CCaIG aOW3	7gaIG aOW3	C7aIG aOW3	C7aIG aOW3
Neh dsl dFl i CEdDt /	75aIG aOW3	75aIG aOW3	72aIG aOW3	75aIG aOW3	75aIG aOW3	75aIG aOW3	75aIG aOW3	75aIG aOW3	75aIG aOW3	75aIG aOW3
uB- d Hx ox l dN0	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3
1 ml o NdN0	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3

Lab Sample No(s)	7559. . C5	7559. . C3	7559. . Cg	7559. . 4W	7559. . 47	7559. . 4C	7559. . 44	7559. . 4.	7559. . 49	7559. . 42
Customer Sample Ref.	NB77	NB7C	NB74	NB7.	NB79	NB72	NB75	NB73	NB7g	NBCW
AGS Ref.										
Depth										
Type	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0	N: ts(N: sFdN0
Asbestos Identification Stage 1 (Qualitative)	C7aIG aOW3	C7aIG aOW3	CCaIG aOW3	7gaIG aOW3	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3
Ainli Dig6d/dN: sFdNeh dsli	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3
c: E/dHeDEdN: sGnsl	C7aIG aOW3	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3	C7aIG aOW3	CCaIG aOW3	C7aIG aOW3	7gaIG aOW3	C7aIG aOW3	C7aIG aOW3
l Se/tFl d : h d() El l (u: Ides(uRt: OSe/ eD	CWaIG aOW3	CWaIG aOW3	CCaIG aOW3	CWaIG aOW3	CCaIG aOW3	CCaIG aOW3	C7aIG aOW3	C7aIG aOW3	CWaIG aOW3	C7aIG aOW3
pB- d Hx dPAstdReDIOOx l dN0	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3
pB- d Hx dPAE h eDIOOx l dN0	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3
x v monSox l aly6dN0	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	C7aIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3
- l MeLesi / Di RE h tGh dP 0	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	CCaIG aOW3	CCaIG aOW3	CCaIG aOW3	C7aIG aOW3	CCaIG aOW3
l Ides d/ o : sFo eh dsi onSomp N	CWaIG aOW3	CWaIG aOW3	C7aIG aOW3	7gaIG aOW3	CWaIG aOW3	C7aIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3
BA- onSox l N	CWaIG aOW3	CWaIG aOW3	C7aIG aOW3	CWaIG aOW3	C7aIG aOW3	C7aIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3
d-	75aIG aOW3	75aIG aOW3	C7aIG aOW3	75aIG aOW3	7gaIG aOW3	7gaIG aOW3	73aIG aOW3	73aIG aOW3	75aIG aOW3	73aIG aOW3
BRI / : si onSo BVI dN0	7gaIG aOW3	7gaIG aOW3	CCaIG aOW3	7gaIG aOW3	C7aIG aOW3	CCaIG aOW3	7gaIG aOW3	C7aIG aOW3	7gaIG aOW3	CWaIG aOW3
Neh dsl dFl i CEdDt /	72aIG aOW3	72aIG aOW3	75aIG aOW3	72aIG aOW3	75aIG aOW3	75aIG aOW3	75aIG aOW3	75aIG aOW3	72aIG aOW3	75aIG aOW3
uB- d Hx ox l dN0	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3	C7aIG aOW3
1 ml o NdN0	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3	CWaIG aOW3

ASSOCIATED AQC DATA

Alkali Metals by iCap-OES (Soil)

Component	Method Code	QI o75CW	QI o75V2	QI o75. g	QI o757W	QI o7597
l esQIGh	u CC.	**85.71** 5g843oo77C8C9	**89.89** 5g843oo77C8C9	**84.4** 5g843oo77C8C9	**85.49** 5g843oo77C8C9	**83.08** 5g843oo77C8C9
ew l i tGh	u CC.	**84.09** 538g9oo7Vg8Vg	**93.45** 538g9oo7Vg8Vg	**89.08** 538g9oo7Vg8Vg	**87.36** 538g9oo7Vg8Vg	**86.12** 538g9oo7Vg8Vg
B: Dei i tGh	u CC.	**94.15** 5C839oo7798 4	**91.95** 5C839oo7798 4	**93.41** 5C839oo7798 4	**84.15** 5C839oo7798 4	**85.37** 5C839oo7798 4
N: FtGh	u CC.	**87.6** 5. 8V2oo7V28 9	**84.84** 5. 8V2oo7V28 9	**77.76** 5. 8V2oo7V28 9	**78.94** 5. 8V2oo7V28 9	**75.98** 5. 8V2oo7V28 9

Boron Water Soluble

Component	Method Code	QI o75. .	QI o755g	QI o7599	QI o75C7	QI o75. 7
H eDEN: sGhsl oc: E /	u CCC	**92.5** 3. 8C5oo7Vg8g2	**87.5** 3. 8C5oo7Vg8g2	**93.0** 3. 8C5oo7Vg8g2	**92.0** 3. 8C5oo7Vg8g2	**95.5** 3. 8C5oo7Vg8g2

Cyanide Comp/Free/Total/Thiocyanate

Component	Method Code	QI o755C	QI o759.	QI o75. W	QI o7593	QI o75. 7	QI o75. 3
) El d Se/ tFl	u 794	**95.8** 338 Vwo7W48 W	**93.2** 338 Vwo7W48 W	**94.7** 338 Vwo7W48 W	**92.9** 338 Vwo7W48 W	**95.7** 338 Vwo7W48 W	**95.4** 338 Vwo7W48 W
uRt: OSe/ eD	u 794	**92.22** 328C9oogg28Cg	**91.02** 328C9oogg28Cg	**91.62** 328C9oogg28Cg	**90.42** 328C9oogg28Cg	**92.81** 328C9oogg28Cg	**91.62** 328C9oogg28Cg
u: Desd Se/ tFl	u 794	**101.43** 358/Wwo7W48/WV	**98.57** 358/Wwo7W48/WV	**99.29** 358/Wwo7W48/WV	**98.57** 358/Wwo7W48/WV	**100.71** 358/Wwo7W48/WV	**96.43** 358/Wwo7W48/WV

EPH CWG (Aliphatic) GC (S)

Component	Method Code	QI o75C9	QI o75. 7	QI o759C	QI o7527	QI o7547	QI o753.
u: DesA sdRe DO o>l 7Cal 49	u 754	**88.96** 5W857oo7V28C2	**78.96** 5W852oo7W 82g	**81.67** 5W852oo7W 82g	**82.5** 5W827oo7V2872	**86.67** 5W827oo7V2872	**83.13** 5W852oo7W 82g

EPH CWG (Aromatic) GC (S)

Component	Method Code	QI o75C9	QI o75. 7	QI o759C	QI o7527	QI o7547	QI o753.
u: DesAE h eDO o>pl 7Capl 49	u 754	**78.67** 298Coo7V88/WV	**74.67** 2387 2oo7VC8Cg	**79.33** 2387 2oo7VC8Cg	**71.33** 2585 9oo7W 8/V	**76.67** 2585 9oo7W 8/V	**80.67** 2387 2oo7VC8Cg

GRO by GC-FID (S)

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

GRO by GC-FID (S)

Component	Method Code	QI o7525	QI o7539	QI o75C7
cl/zl/lomSoxlcP:tiDOEHo l:EHCIDF0	u V8g	**98.5** 3783gao7738/WV	**98.0** 3W65Vao7C782g	**97.0** 3783gao7738/WV
pDRSsnl/zl/lomSoxlcP:tiDOEHo l:EHCIDF0	u V8g	**98.0** 5382 2ao7C789C	**97.5** 5282 9ao7C78gC	**99.5** 5382 2ao7C789C
h o&codoXSsl/lomSoxlcP:tiDOEHo l:EHCIDF0	u V8g	**98.5** 538 4. ao7CC82W	**99.0** 5280 9ao7CC89.	**99.75** 538 4. ao7CC82W
ucpoxlajy6cP:tiDOEHo l:EHCIDF0	u V8g	**98.5** 378V8ao7C78V2	**98.5** 5582 5ao7C98gW	**96.5** 378V8ao7C78V2
:oXSsl/lomSoxlcP:tiDOEHo l:EHCIDF0	u V8g	**100.0** 3W8gWao7758 5 5	**101.5** 5284 5ao7CC8g.	**101.0** 3W8gWao7758 5 5
QI	u V8g	**115.57** 2582 2ao7C28 5.	**86.58** 2g83 3ao77C852	**93.03** 2582 2ao7C28 5.
u:sGl/lomSoxlcP:tiDOEHo l:EHCIDF0	u V8g	**97.5** 3783Cao7758C9	**98.5** 598g 9ao7CC883	**97.0** 3783Cao7758C9

Hexavalent Chromium (s)

Component	Method Code	QI o75g5	QI o75. .	QI o7529	QI o757.	QI o7599	QI o7557
-lMeLesl/DiREhtGh	u 797	**98.0** gV8CVao7V58/WV	**100.0** gV8CVao7V58/WV	**100.0** gV8CVao7V58/WV	**100.0** gV8CVao7V58/WV	**96.0** gV8CVao7V58/WV	**96.0** gV8CVao7V58/WV

Metals in solid samples by OES

Component	Method Code	QI o75CW	QI o75V2	QI o75. g	QI o757W	QI o7597
AsGht/tGh	u 737	**99.26** 5987 4ao7Vg8 3	**96.3** 5987 4ao7Vg8 3	**97.78** 5987 4ao7Vg8 3	**87.41** 5987 4ao7Vg8 3	**94.81** 5987 4ao7Vg8 3
A/Dh:/S	u 737	**95.37** 3. 8 3ao77V8gW	**96.14** 3. 8 3ao77V8gW	**92.66** 3. 8 3ao77V8gW	**93.82** 3. 8 3ao77V8gW	**92.28** 3. 8 3ao77V8gW
AEl/tO	u 737	**93.32** 348 7. ao7V885 4	**94.6** 348 7. ao7V885 4	**91.26** 348 7. ao7V885 4	**94.34** 348 7. ao7V885 4	**93.06** 348 7. ao7V885 4
ceEGh	u 737	**96.09** 3C8C4ao7W 84W	**94.53** 3C8C4ao7W 84W	**95.31** 3C8C4ao7W 84W	**91.41** 3C8C4ao7W 84W	**92.19** 3C8C4ao7W 84W
clESstGh	u 737	**93.84** 3. 8 7gao7V2855	**95.55** 3. 8 7gao7V2855	**91.1** 3. 8 7gao7V2855	**91.1** 3. 8 7gao7V2855	**94.52** 3. 8 7gao7V2855	
c:E/	u 737	**98.31** 5289 9ao7V282g	**96.61** 5289 9ao7V282g	**98.02** 5289 9ao7V282g	**91.81** 5289 9ao7V282g	**96.61** 5289 9ao7V282g
leFhtGh	u 737	**97.34** 3284 5ao7778 9g	**99.47** 3284 5ao7778 9g	**93.62** 3284 5ao7778 9g	**93.62** 3284 5ao7778 9g	**98.94** 3284 5ao7778 9g
lREhtGh	u 737	**98.73** 378Cgao7735 57	**100.63** 378Cgao7735 57	**94.09** 378Cgao7735 57	**92.41** 378Cgao7735 57	**99.16** 378Cgao7735 57
l:nesD	u 737	**96.24** 398 9ao7Vg8 7.	**99.06** 398 9ao7Vg8 7.	**96.55** 398 9ao7Vg8 7.	**100.0** 398 9ao7Vg8 7.	**97.81** 398 9ao7Vg8 7.
l:ddlE	u 737	**89.37** 3784 4ao7W484 4	**92.29** 3784 4ao7W484 4	**90.83** 3784 4ao7W484 4	**93.16** 3784 4ao7W484 4	**92.72** 3784 4ao7W484 4
yE/	u 737	**98.61** 3C8 . ao7785 7	**100.0** 3C8 . ao7785 7	**96.53** 3C8 . ao7785 7	**90.28** 3C8 . ao7785 7	**95.83** 3C8 . ao7785 7
VleF	u 737	**91.06** 3484 4ao7V28g9	**94.89** 3484 4ao7V28g9	**91.91** 3484 4ao7V28g9	**96.6** 3484 4ao7V28g9	**94.47** 3484 4ao7V28g9
e/we/lil	u 737	**86.87** 3W82 2ao7WC844	**89.9** 3W82 2ao7WC844	**85.86** 3W82 2ao7WC844	**86.67** 3W82 2ao7WC844	**89.9** 3W82 2ao7WC844

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Metals in solid samples by OES

		Ql o75CW	Ql o75V2	Ql o75. g	Ql o757W	Ql o7597
l EOGES	u 737	**97.25** 3. 874 o o7778 39	**98.82** 3. 874 o o7778 39	**95.29** 3. 874 o o7778 39	**99.61** 3. 874 o o7778 39	**97.25** 3. 874 o o7778 39
: sSnFl / Gh	u 737	**95.37** 3. 87 g o o77V84 g	**97.3** 3. 87 g o o77V84 g	**91.51** 3. 87 g o o77V84 g	**90.35** 3. 87 g o o77V84 g	**96.14** 3. 87 g o o77V84 g
TtObl s	u 737	**96.97** 3. 87 g o o7Vg855	**98.37** 3. 87 g o o7Vg855	**93.24** 3. 87 g o o7Vg855	**92.07** 3. 87 g o o7Vg855	**97.67** 3. 87 g o o7Vg855
BR i dR EGl	u 737	**92.22** 548 5 o o77283 2	**89.67** 548 5 o o77283 2	**86.53** 548 5 o o77283 2	**91.77** 548 5 o o77283 2	**91.02** 548 5 o o77283 2
Nl s l / tGh	u 737	**95.85** 3784 Co o7V889 g	**95.55** 3784 Co o7V889 g	**90.5** 3784 Co o7V889 g	**91.1** 3784 Co o7V889 g	**94.96** 3784 Co o7V889 g
NDE / DtGh	u 737	**93.23** 3. 85 Vw o7V9835	**97.25** 3. 85 Vw o7V9835	**96.62** 3. 85 Vw o7V9835	**94.71** 3. 85 Vw o7V9835	**96.41** 3. 85 Vw o7V9835
uRestGh	u 737	**98.83** 3787 g o o7V9845	**100.78** 3787 g o o7V9845	**97.66** 3787 g o o7V9845	**97.66** 3787 g o o7V9845	**66.8** 3787 g o o7V9845
ut/	u 737	**96.81** 398 g Co o77VWW	**98.58** 398 g Co o77VWW	**92.91** 398 g Co o77VWW	**93.26** 398 g Co o77VWW	**98.58** 398 g Co o77VWW
utDe/ tGh	u 737	**97.69** 548 . o o77487 5	**91.54** 548 . o o77487 5	**93.85** 548 . o o77487 5	**86.92** 548 . o o77487 5	**93.85** 548 . o o77487 5
1e/ eFtGh	u 737	**92.33** 5382 Co o7W78 5	**94.48** 5382 Co o7W78 5	**90.49** 5382 Co o7W78 5	**86.81** 5382 Co o7W78 5	**92.33** 5382 Co o7W78 5
Zt/ O	u 737	**94.94** 3982. o o7W87.	**95.64** 3982. o o7W87.	**93.54** 3982. o o7W87.	**94.59** 3982. o o7W87.	**95.29** 3982. o o7W87.

PAH by GCMS

Component	Method Code	Ql o75. 7	Ql o7574	Ql o754g	Ql o7555	Ql o75g2
AOl / edRORl / l	u C73	**95.0** 5584. o o7738 OW	**93.5** 3C8Vg o o7VW73	**94.0** 5283 Co o7745 5C	**88.5** 5584. o o7738 OW	**89.0** 5584. o o7738 OW
AOl / edRORSsl / l	u C73	**91.0** 5V859 o o7VW9	**90.5** 5482 4 o o77C87W	**89.0** 5783 4 o o7W5824	**86.5** 5V859 o o7VW9	**86.0** 5V859 o o7VW9
A/ DREeOl / l	u C73	**91.5** 5787 9 o o77829	**96.0** 5383 g o o77C8 gC	**93.0** 528 gg o o7W485.	**94.5** 5787 9 o o77829	**92.5** 5787 9 o o77829
cl / zReOe/ DREeOl / l	u C73	**85.0** 5g8 g 9 o o7C9839	**107.0** 3W8W o o7CC84W	**83.5** 5382 3 o o77384.	**97.5** 5g8 g 9 o o7C9839	**93.0** 5g8 g 9 o o7C9839
cl / z: ReOdSEl / l	u C73	**86.0** 3W859 o o7C58C9	**95.5** 328 gCo o7C2844	**85.0** 5389 Vw o7C4857	**102.0** 3W859 o o7C58C9	**94.5** 3W859 o o7C58C9
cl / z: RhOfsG Ee/ DRl / l	u C73	**88.0** 3C879 o o7C9849	**96.0** 3. 894 o o7CC87.	**83.5** 3C824 o o77385W	**94.5** 3C879 o o7C9849	**93.0** 3C879 o o7C9849
cl / z: RvRROdl ESsl / l	u C73	**88.5** 3W889 o o7C7829	**85.0** 558 g o o77g87C	**83.5** 3784 Co o77287 2	**91.5** 3W889 o o7C7829	**90.5** 3W889 o o7C7829
cl / z: RbOfsG Ee/ DRl / l	u C73	**88.5** 3W8W w o o7C98WW	**102.5** 338 g. o o7758W8	**93.0** 378 4 o o77987 5	**95.0** 3W8W w o o7C98WW	**90.5** 3W8W w o o7C98WW
l RESl l / l	u C73	**81.5** 558C. o o7CVW8.	**102.5** 3W894 o o77. 85C	**85.5** 3C89 W o o774897	**108.0** 558C. o o7CVW8.	**95.0** 558C. o o7CVW8.
6 tnl / z: ReROe/ DREeOl / l	u C73	**84.0** 378 g 9 o o7C. 889	**92.0** 3982 2 o o77 g827	**96.0** 3. 8 Co o7728 4.	**98.5** 378 g 9 o o7C. 889	**91.0** 378 g 9 o o7C. 889
) sG Ee/ DRl / l	u C73	**88.5** 5382 9 o o7748 9	**95.0** 5983 3 o o77C8.	**93.0** 558 g Co o77482 g	**90.5** 5382 9 o o7748 9	**90.0** 5382 9 o o7748 9
) sG El / l	u C73	**97.5** 528 g 9 o o77587 3	**99.0** 3C882 o o7728 OW	**93.5** 3C8VCo o7V884.	**89.5** 528 g 9 o o77587 3	**88.5** 528 g 9 o o77587 3
y Fl / : P7C4OF0dSEl / l	u C73	**103.0** 5984. o o7C58 2	**87.0** 328 2 o o7CVW5W	**88.5** 5983 3 o o7C. 8g4	**96.5** 5984. o o7C58 2	**86.0** 5984. o o7C58 2
TedRDRes l / l	u C73	**95.0** 5383 W w o77987W	**90.5** 3C833 o o77989 2	**88.0** 5587 5 o o7C899	**96.0** 5383 W w o77987W	**93.0** 5383 W w o77987W

Validated

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

PAH by GCMS

		Ql o75. 7	Ql o7574	Ql o754g	Ql o7555	Ql o75g2
BRl / e/ DRE l / l	u C73	**90.0** 528 gorc77g84W	**97.5** 348?Corc779653	**96.0** 538C2orc7748CC	**88.5** 528 gorc77g84W	**88.5** 528 gorc77g84W
BSEl / l	u C73	**89.0** 528CVdrc77g8g2	**96.5** 5365. orc77C892	**93.0** 5388 9orc77V893	**88.0** 528CVdrc77g8g2	**87.0** 528CVdrc77g8g2

pH

Component	Method Code	Ql o75VC	Ql o75V9	Ql o757C	Ql o75VW	Ql o7523	Ql o752.
d-	u 744	**101.95** g3834orc7W455	**101.04** 7VW87gorc7W487g	**100.91** 7VW87gorc7W487g	**100.0** gg8C9orc7VC834	**100.78** 7VW87gorc7W487g	**100.78** g3834orc7W455

Component	Method Code	Ql o7592
d-	u 744	**100.52** gg8C9orc7VC834

Phenols by HPLC (S)

Component	Method Code	Ql o75W4	Ql o75Cg	Ql o75. 9	Ql o7552	Ql o75V9	Ql o7597
C8489ouEth l DRSaaBRl / : snSo - BVl dN0	u V2CdN0	**101.95** 5V87Vdrc3g8gW	**99.35** 228/Vdrc3. 8/VV	**99.35** 228/Vdrc3. 8/VV	**102.6** 5V87Vdrc3g8gW	**100.0** 348C4orc7Vg557	**104.55** 5V87Vdrc3g8gW
Caji : dE dSaaBRl / : snSo BVl o PN0	u V2CdN0	**92.98** 598/V2orcg2829	**87.72** 2g89Vdrc3589W	**85.96** 2g89Vdrc3589W	**92.4** 598/V2orcg2829	**87.72** 5284. orc7W877	**92.98** 598/V2orcg2829
l eDlOR snSo BVl dN0	u V2CdN0	**108.57** . 585Vdrc7935W	**100.95** Cg8C9orcOW859	**97.14** Cg8C9orcOW859	**115.24** . 585Vdrc7935W	**109.52** . 48 . orc7. 285C	**114.29** . 585Vdrc7935W
l Eli : sionSo BVl dN0	u V2CdN0	**96.24** 3497orcgg8C3	**94.99** 5g8 Vdrcgg83W	**95.62** 5g8 Vdrcgg83W	**97.49** 3497orcgg8C3	**96.03** 3489Corc7W83C	**98.75** 3497orcgg8C3
TedDR snSo BVl dN0	u V2CdN0	**114.29** 578/Vdrcg38/VV	**109.29** g78ggorc74g8C4	**113.57** g78ggorc74g8C4	**116.43** 578/Vdrcg38/VV	**115.0** 5982Corc7C. 843	**112.86** 578/Vdrcg38/VV
BRl / : snSo BVl dN0	u V2CdN0	**103.31** 3C8C4orc77W852	**101.99** 5V89Vdrcg. 89W	**102.65** 5V89Vdrcg. 89W	**104.64** 3C8C4orc77W852	**107.95** 5g894orc7CV8 5	**104.64** 3C8C4orc77W852
v l i : EO/ : so BVl dN0	u V2CdN0	**117.61** 278g9orc7. 98/V9	**103.14** 3V89Vdrc7CC89W	**102.52** 3V89Vdrc7CC89W	**118.87** 278g9orc7. 98/V9	**105.03** 5989Vdrc7. 589W	**120.13** 278g9orc7. 98/V9
XSd / : sionSo BVl dN0	u V2CdN0	**97.71** 3g8g. orc7VC899	**95.94** 3584Vdrc7W489W	**96.15** 3584Vdrc7W489W	**98.96** 3g8g. orc7VC899	**97.4** g4854orc7Vg843	**100.83** 3g8g. orc7VC899

Component	Method Code	Ql o755C	Ql o75V9	Ql o7579
C8489ouEth l DRSaaBRl / : snSo - BVl dN0	u V2CdN0	**101.95** 228/Vdrc3. 8/VV	**98.7** 348C4orc7Vg557	**98.7** 228/Vdrc3. 8/VV
Caji : dE dSaaBRl / : snSo BVl o PN0	u V2CdN0	**92.4** 2g89Vdrc3589W	**91.23** 5284. orc7W877	**89.47** 2g89Vdrc3589W
l eDlOR snSo BVl dN0	u V2CdN0	**101.9** Cg8C9orcOW859	**104.76** . 48 . orc7. 285C	**88.57** Cg8C9orcOW859
l Eli : sionSo BVl dN0	u V2CdN0	**97.29** 5g8 Vdrcgg83W	**92.69** 3489Corc7W83C	**95.82** 5g8 Vdrcgg83W
TedDR snSo BVl dN0	u V2CdN0	**105.0** g78ggorc74g8C4	**106.43** 5982Corc7C. 843	**105.0** g78ggorc74g8C4
BRl / : snSo BVl dN0	u V2CdN0	**103.97** 5V89Vdrcg. 89W	**103.31** 5g894orc7CV8 5	**102.65** 5V89Vdrcg. 89W

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

Phenols by HPLC (S)

		Ql o755C	Ql o75V0	Ql o7579
v l i : EO/ : so- BVl oRN0	u V2CoRN0	**106.29** 3V0WVao7CC8W	**106.29** 598WVao7. 58WV	**103.14** 3V0WVao7CC8WV
XSsl / : sionSo- BVl oRN0	u V2CoRN0	**97.92** 3584WVao7W48WV	**95.1** g4854ao7Vg843	**96.25** 3584WVao7W48WV

VOC MS (S)

Component	Method Code	Ql o75. C	Ql o753g	Ql o7522
7,7,7,CaDDEeORs E l DRe/ l	u 772	**103.6** 5582ao7798W9	**101.6** 5g87Vao77g822	**106.0** 5582ao7798W9
7,7,7auEtORs E l DRe/ l	u 772	**94.0** 5485 4ao7738V0	**103.0** 3383ao77g822	**95.0** 5485 4ao7738V0
7,7,CauEtORs E l DRe/ l	u 772	**92.0** 5587Cao7728W	**92.6** 5987 2ao77C85W	**98.8** 5587Cao7728W
7,7a6tORs E l DRe/ l	u 772	**100.2** 5. 8 2ao7Cg879	**105.8** 5583. ao7C. 87C	**102.4** 5. 8 2ao7Cg879
7,Ca6tORs E l DRe/ l	u 772	**112.4** gC895ao7C3853	**112.4** 3283ao7Cg82C	**115.8** gC895ao7C3853
7,. a6tORs E nl / zl / l	u 772	**99.8** 5C852ao7C284.	**107.8** 5782 7ao7C. 824	**111.6** 5C852ao7C284.
Cal Rs E DsGl / l	u 772	**96.8** 2g854ao77. 874	**92.8** 2283 7ao7738 4	**98.8** 2g854ao77. 874
. al Rs E DsGl / l	u 772	**92.8** 228gVao77C8 2	**94.0** 2983 3ao77. 852	**95.8** 228gVao77C8 2
cl / zl / l	u 772	**104.6** 378V0ao7758C3	**103.4** g487 2ao7C4824	**105.0** 378V0ao7758C3
l eEn: / d6ti GadRtFl	u 772	**98.6** 5. 8g7ao7CC87.	**103.4** 5987 7ao7C. 837	**99.4** 5. 8g7ao7CC87.
l eEn: / DDEeORs EtFl	u 772	**101.4** 3V847ao7C. 89W	**104.0** 3C849ao7C28 2	**102.0** 3V847ao7C. 89W
l Rs E nl / zl / l	u 772	**103.8** 598WVao7798W4	**107.4** 3C833ao7CC8 C	**106.6** 598WVao7798W4
l Rs E f: En	u 772	**104.6** 358 Vao7CC8 g	**107.8** 3C89Cao7C48C9	**108.2** 358 Vao7CC8 g
l Rs E h l DRe/ l	u 772	**90.6** 9387 7ao7428CW	**85.0** 9. 897ao7798 5	**92.4** 9387 7ao7428CW
l tia7,Ca6tORs E l DRl / l	u 772	**100.2** 3V825ao7C285C	**98.6** 538C5ao7C38gW	**103.6** 3V825ao7C285C
6 tnE h : h l DRe/ l	u 772	**94.2** 2583Vao7C7859	**89.6** 5782gao77g8 4	**98.6** 2583Vao7C7859
6tORs E h l DRe/ l	u 772	**107.6** 3787 7ao7448C9	**110.6** 3782 3ao7C98C7	**112.4** 3787 7ao7448C9
pDRSsnl / zl / l	u 772	**99.6** 5C894ao7Vg83.	**102.0** 3589 2ao7C48CW	**102.6** 5C894ao7Vg83.
- l MeORs E nGaFtl / l	u 772	**55.6** 7C83Cao79C854	**53.8** g8C5ao72V87g	**98.0** 7C83Cao79C854
yi : dE dSsnl / zl / l	u 772	**88.2** 9989 9ao77V8C3	**85.0** 9C879ao74C89C	**94.8** 9989 9ao77V8C3
TedRDRes l / l	u 772	**116.0** 3V882ao7C3837	**111.2** 5285gao7C5873	**124.6** 3V882ao7C3837
: aXSsl / l	u 772	**93.8** 258 2ao7VC8CC	**84.8** 2387 2ao7V5827	**94.0** 258 2ao7VC8CC
d(h aXSsl / l	u 772	**95.6** 2384Cao7V88g7	**94.4** 558 7ao77C857	**98.6** 2384Cao7V88g7

CERTIFICATE OF ANALYSIS

SDG:	180616-33	**Client Reference:**	A098075	**Report Number:**	462847
Location:	Wrexham Custody Centre, W	**Order Number:**	a098075/8116/4683	**Superseded Report:**	462844

VOC MS (S)

		QI o75. C	QI o753g	QI o7522
NI Qac GSsnl / zl / l	u 772	**74.6** . 28Vgoo7C7897	**69.8** . . 857oo775885	**91.2** . 28Vgoo7C7897
ul DeORs E l DRl / l	u 772	**108.2** 528g9oo7C78VC	**105.4** 378 4oo7C2829	**110.4** 528g9oo7C78VC
u: sGl / l	u 772	**95.0** 5. 8C. oo7V58 C	**97.8** 3588Coo77280 7	**95.2** 5. 8C. oo7V58 C
uEOORs E l DRl / l	u 772	**98.4** 55827oo7778 9.	**94.0** 5g8Vdoo77C844	**98.2** 55827oo7778 9.
uEOORs E fsG. E h l DRe/ l	u 772	**98.0** 57847oo7C38 7	**102.0** 5C852oo77388W	**100.8** 57847oo7C38 7
1t/ Ssd Rs EFl	u 772	**93.4** 2382C2oo7448 9	**92.4** 2. 8gVdoo7448 7W	**98.8** 2382C2oo7448 9

The above information details the reference name of the analytical quality control sample (AQC) that has been run with the samples contained in this report for the different methods of analysis.
The figure detailed is the percentage recovery result for the AQC.
The subscript numbers below are the percentage recovery lower control limit (LCL) and the upper control limit (UCL). The percentage recovery result for the AQC should be between these limits to be statistically in control.

Appendix

General

1. Results are expressed on a dry weight basis (dried at 25ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

3. Samples will be run in duplicate upon request, but an additional charge may be incurred.

2. If sufficient sample is received a sub sample will be retained free of charge for 20 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

6. When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 348 (3005), which is accredited to ISO17035. If a specific asbestos fibre type is not found this will be reported as “Not detected”. If no asbestos fibre types are found all will be reported as “Not detected” and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

7. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.

9. NDP - No determination possible due to insufficient/unsuitable sample.

10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals - total metals must be requested separately.

11. Results relate only to the items tested.

13. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

12. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-120%, they are generally wider for volatiles analysis, 50-150%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

14. **Product analyses** - Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.

15. Phenols monohydric by HPLC include phenol, cresols (3-Methylphenol, 2-Methylphenol and 4-Methylphenol) and Xylenols (3,2 Dimethylphenol, 3,4 Dimethylphenol, 3,5 Dimethylphenol, 3,6 Dimethylphenol, 2,4 Dimethyphenol, 2,5 Dimethylphenol).

16. Total of 5 speciated phenols by HPLC includes Phenol, 3,2,5-Trimethyl Phenol, 3-Isopropylphenol, Cresols and Xylenols (as detailed in 15).

17. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

30. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

31. For the BSEN 13457-2 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

33. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

32. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C13 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

34. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as “mixed hydrocarbons”. Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

Sample Deviations

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
4	**Holding time exceeded before sample received**
5	**Samples exceeded holding time before presevation was performed**
§	**Sampled on date not provided**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to sampled on date**
&	**Sample Holding Time exceeded - Late arrival of instructions.**

Asbestos

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 348 (3005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 348 (3005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Appendix F – Geotechnical Testing Laboratory Results

TD Construction Testing
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744734769
E: enquiries@tdconstructiontesting.co.uk

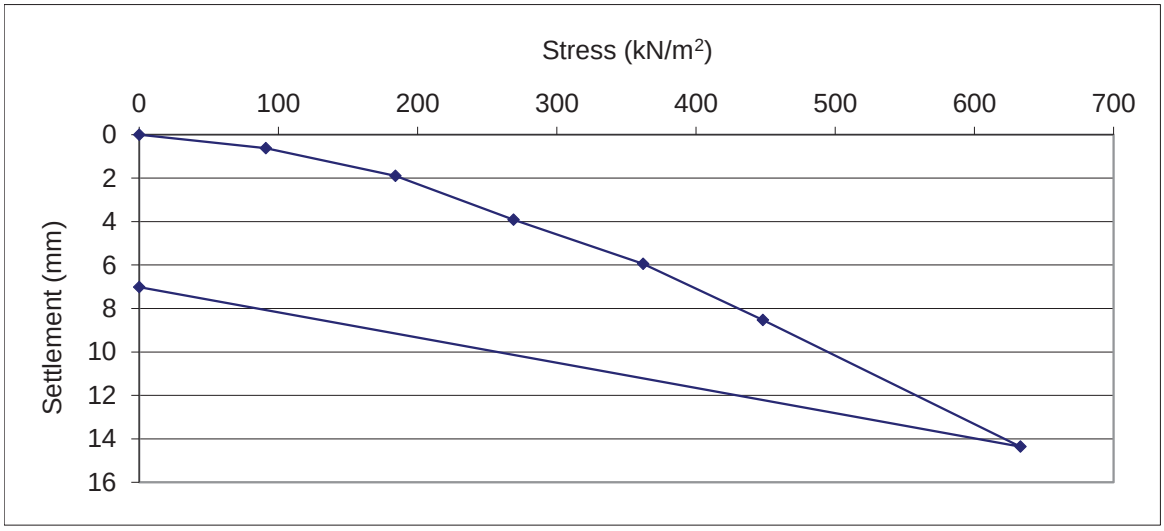
8011

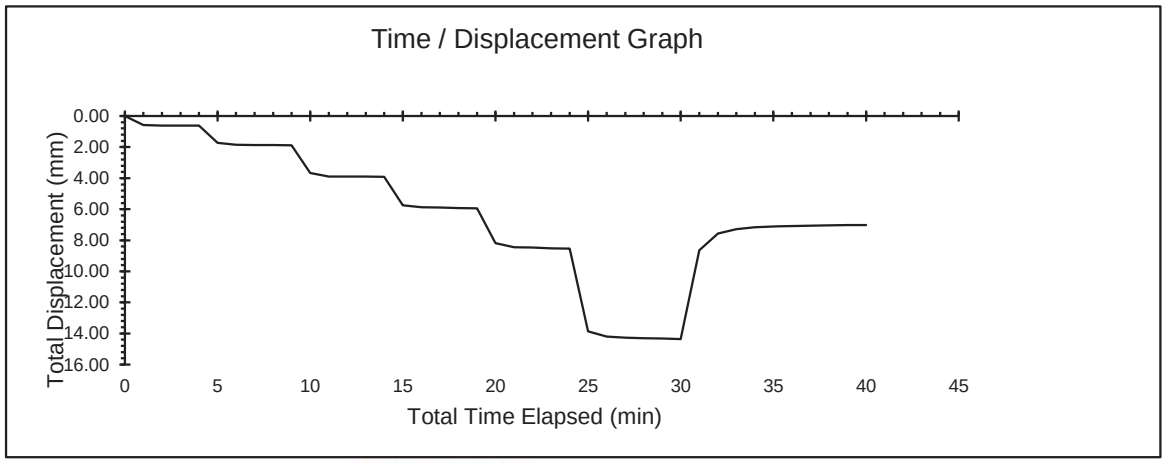
TEST REPORT

Test Report No.:	TD17-P-01-A-41	Report Date:	28/03/2017
Client	P. P. O'Connor Limited		
Address:	Woodrow Way Thames Trading Estate Irlam M44 6NN		
Contact	Michael Smith		
Site:	Wrexham		
Test Requested.	**Incremental Plate Loading Test**		
Test Method:	In-house procedure based upon BS1377 Part 9 : 1990		
Material:	Red Clay & Stone (Made Ground)		
Supplier/Source:	Insitu		
Moisture Content %	N/A		
Location:	RAF1		
Depth:	Surface		
Plate Size mm:	600		
Date Tested:	27/03/2017		
Weather Condition	Clear		
Tested By:	S.Dodd		
Kentledge Type:	20T Excavator		
Comments	Maximum Settlement @ 445kN/m^2 = 8.53mm		

Report No: TD17-P-01-A-41

Stress (kN/m^2)	Settlement (mm)
0	0.00
91	0.62
184	1.89
269	3.91
362	5.94
448	8.53
633	14.36
0	7.01





Signed _____ [X] D. Ames (Laboratory Manager/Director)

End of Report

TD Construction Testing
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744734769
E: enquiries@tdconstructiontesting.co.uk

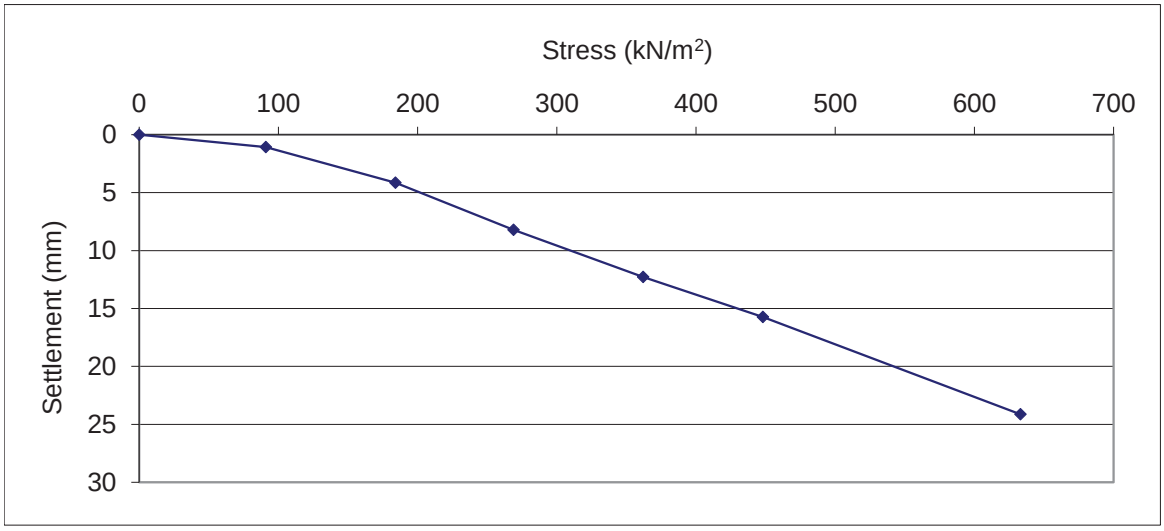
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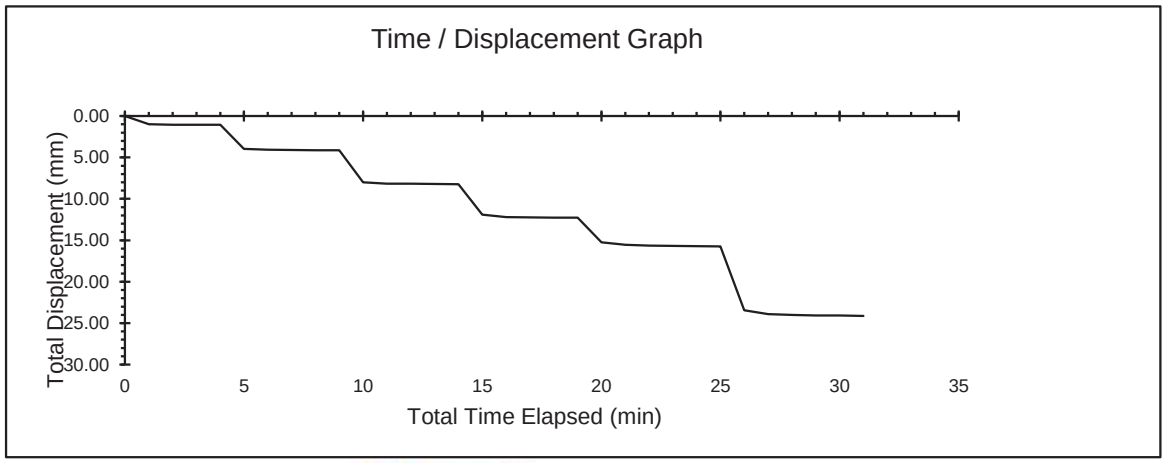
TEST REPORT

Test Report No.:	TD17-P-01-A-42	Report Date:	28/03/2017
Client	P. P. O'Connor Limited		
Address:	Woodrow Way Thames Trading Estate Irlam M44 6NN		
Contact	Michael Smith		
Site:	Wrexham		
Test Requested.	**Incremental Plate Loading Test**		
Test Method:	In-house procedure based upon BS1377 Part 9 : 1990		
Material:	Red Clay & Stone (Made Ground)		
Supplier/Source:	Insitu		
Moisture Content %	N/A		
Location:	RAF2		
Depth:	Surface		
Plate Size mm:	600		
Date Tested:	27/03/2017		
Weather Condition	Clear		
Tested By:	S.Dodd		
Kentledge Type:	20T Excavator		
Comments	Maximum Settlement @ 445kN/m^2 = 15.73mm		

Report No: TD17-P-01-A-42

Stress (kN/m^2)	Settlement (mm)
0	0.00
91	1.06
184	4.14
269	8.22
362	12.28
448	15.73
633	24.13





Signed _____ [X] D. Ames (Laboratory Manager/Director)

End of Report

TD Construction Testing
Gerard Hall
40 Lord Street
St Helens
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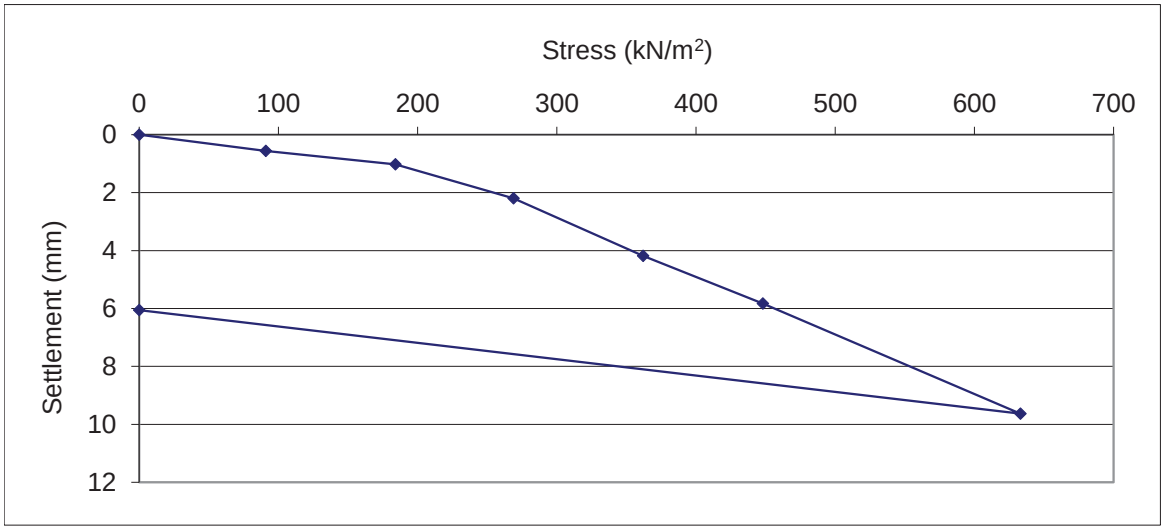
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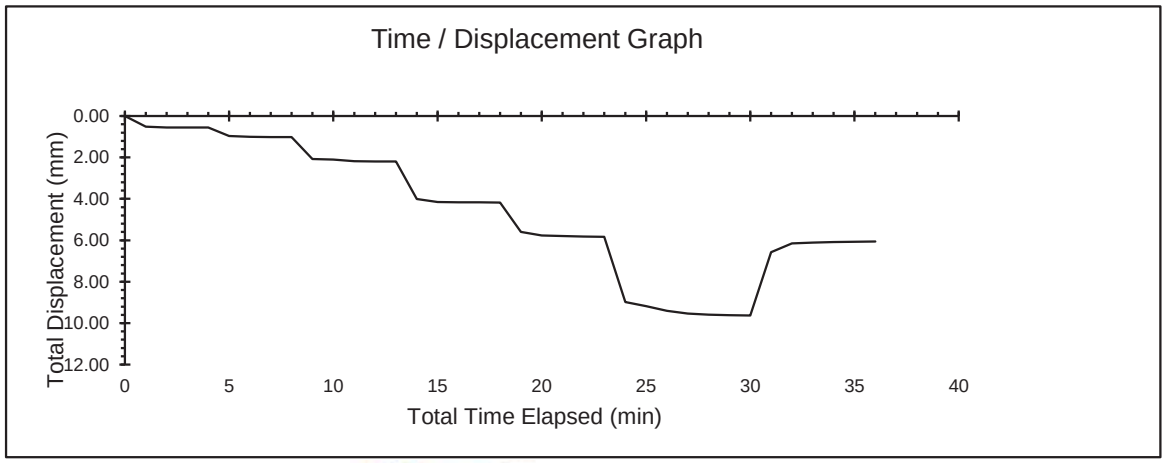
TEST REPORT

Test Report No.:	TD17-P-01-A-43	Report Date:	28/03/2017
Client	P. P. O'Connor Limited		
Address:	Woodrow Way Thames Trading Estate Irlam M44 6NN		
Contact	Michael Smith		
Site:	Wrexham		
Test Requested.	**Incremental Plate Loading Test**		
Test Method:	In-house procedure based upon BS1377 Part 9 : 1990		
Material:	Red Clay and 10mm Stone (Made Ground)		
Supplier/Source:	Insitu		
Moisture Content %	N/A		
Location:	RAF3		
Depth:	Surface		
Plate Size mm:	600		
Date Tested:	27/03/2017		
Weather Condition	Clear		
Tested By:	S.Dodd		
Kentledge Type:	20T Excavator		
Comments	Maximum Settlement @ 445kN/m^2 = 5.83mm		

Report No: TD17-P-01-A-43

Stress (kN/m^2)	Settlement (mm)
0	0.00
91	0.56
184	1.02
269	2.20
362	4.18
448	5.83
633	9.63
0	6.06





Signed _____ [X] D. Ames (Laboratory Manager/Director)

End of Report

TD Construction Testing
Gerard Hall
40 Lord Street
St Helens
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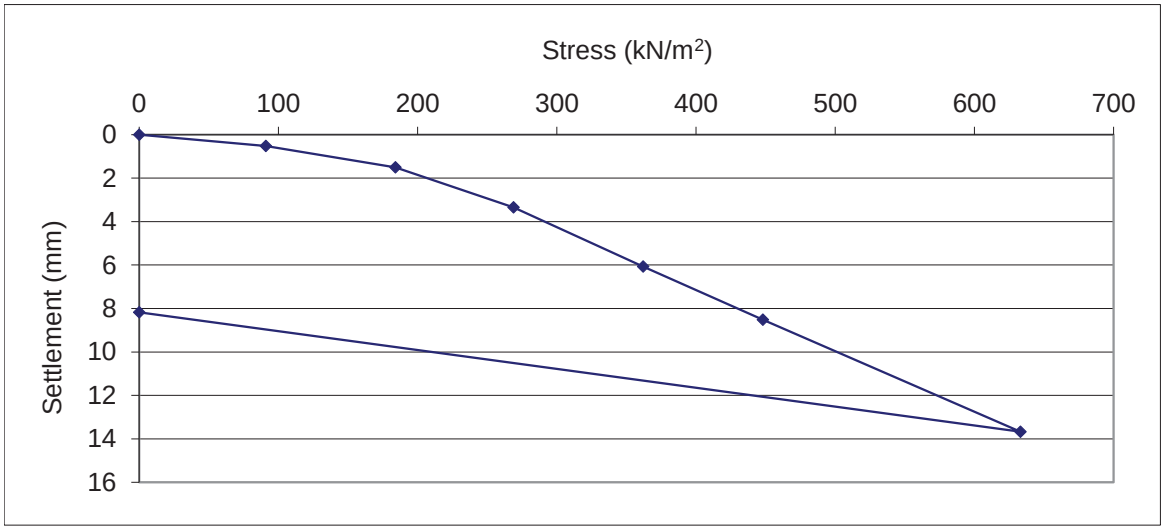
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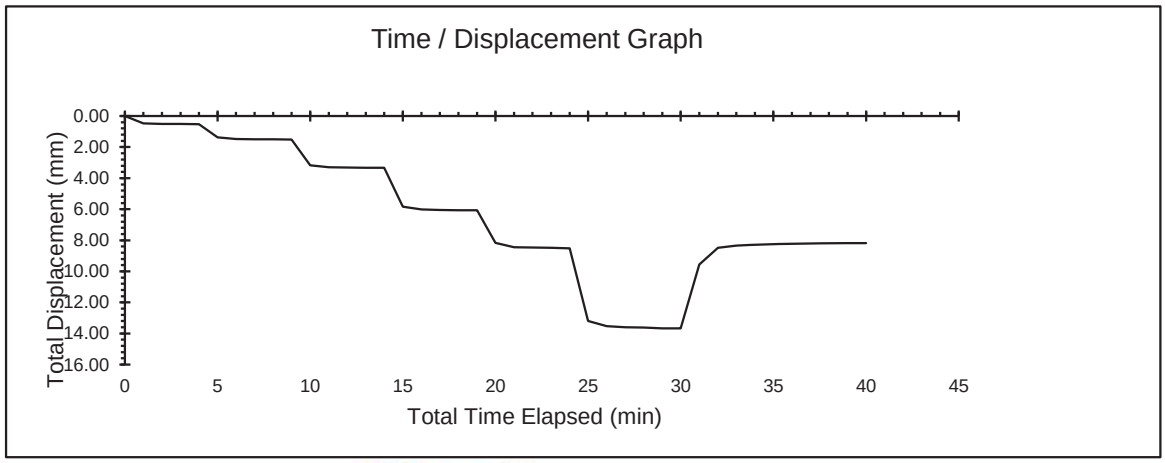
TEST REPORT

Test Report No.:	TD17-P-01-A-44	Report Date:	28/03/2017
Client	P. P. O'Connor Limited		
Address:	Woodrow Way Thames Trading Estate Irlam M44 6NN		
Contact	Michael Smith		
Site:	Wrexham		
Test Requested.	**Incremental Plate Loading Test**		
Test Method:	In-house procedure based upon BS1377 Part 9 : 1990		
Material:	Made Ground		
Supplier/Source:	Insitu		
Moisture Content %	N/A		
Location:	RAF4		
Depth:	Surface		
Plate Size mm:	600		
Date Tested:	27/03/2017		
Weather Condition	Clear		
Tested By:	S.Dodd		
Kentledge Type:	20T Excavator		
Comments	Maximum Settlement @ 445kN/m^2 = 8.52mm		

Report No: TD17-P-01-A-44

Stress (kN/m^2)	Settlement (mm)
0	0.00
91	0.52
184	1.51
269	3.34
362	6.07
448	8.52
633	13.67
0	8.18





Signed _____ [X] D. Ames (Laboratory Manager/Director)

End of Report

TD Construction Testing
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

T: 01744734769
E: enquiries@tdconstructiontesting.co.uk

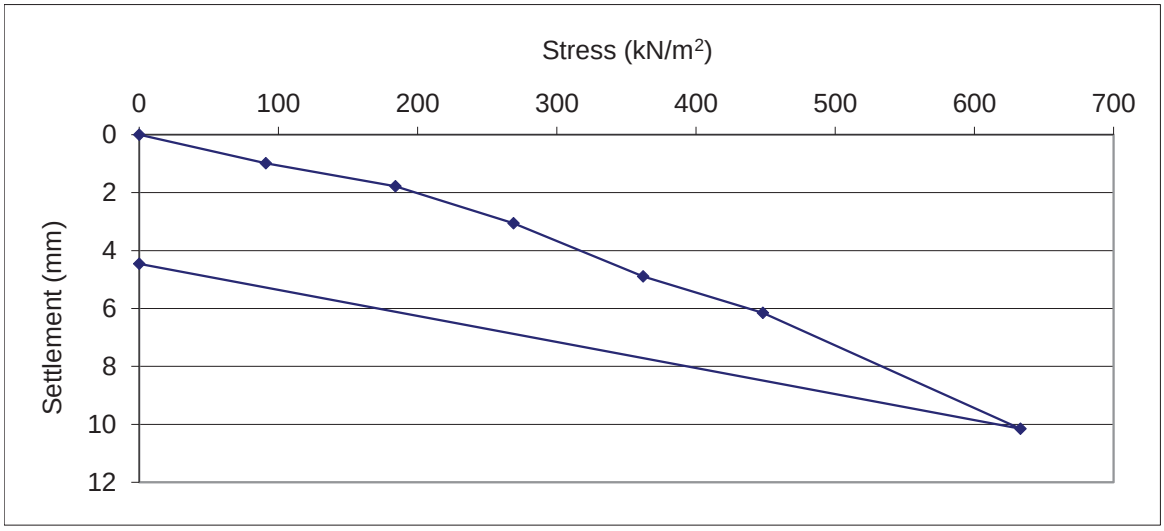
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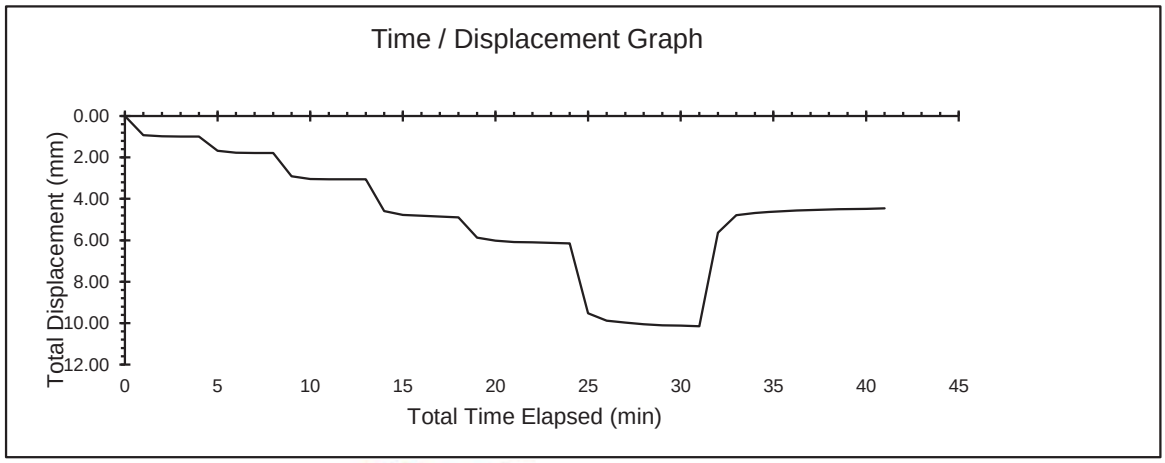
TEST REPORT

Test Report No.:	TD17-P-01-A-45	Report Date:	28/03/2017
Client	P. P. O'Connor Limited		
Address:	Woodrow Way Thames Trading Estate Irlam M44 6NN		
Contact	Michael Smith		
Site:	Wrexham		
Test Requested.	**Incremental Plate Loading Test**		
Test Method:	In-house procedure based upon BS1377 Part 9 : 1990		
Material:	Red Clay		
Supplier/Source:	Insitu		
Moisture Content %	N/A		
Location:	Crane Mat 3		
Depth:	Surface		
Plate Size mm:	600		
Date Tested:	27/03/2017		
Weather Condition	Clear		
Tested By:	S.Dodd		
Kentledge Type:	20T Excavator		
Comments	Maximum Settlement @ 445kN/m^2 = 6.15mm		

Report No: TD17-P-01-A-45

Stress (kN/m^2)	Settlement (mm)
0	0.00
91	0.99
184	1.78
269	3.06
362	4.89
448	6.15
633	10.15
0	4.46





Signed _____ [X] D. Ames (Laboratory Manager/Director)

End of Report

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD
T: 01744 734 769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Test Report No.	TD17-P-01-A-46	Date of Report	28/03/2017

Client: P. P. O'Connor Limited

Address: Woodrow Way
Thames Trading Estate
Irlam
M44 6NN

Contact: Michael Smith

Site: Wrexham

Test Requested: **Plate Loading Test to obtain Approximate CBR value**

Test Method: In-house procedure C56 based upon BS1377 Part 9:1990 Clause 4, DMRB Vol 7 HD25/94 and IAN 73/06

Material: Type 1 Subbase
Supplier/Source: Cemex / Halkyn Quarry
Moisture Content %: N/A

Location: Car Park Entrance
Depth: Finished Subbase Level
Plate Size mm: 300

Date Tested: 27/03/17

Weather Conditions: Clear

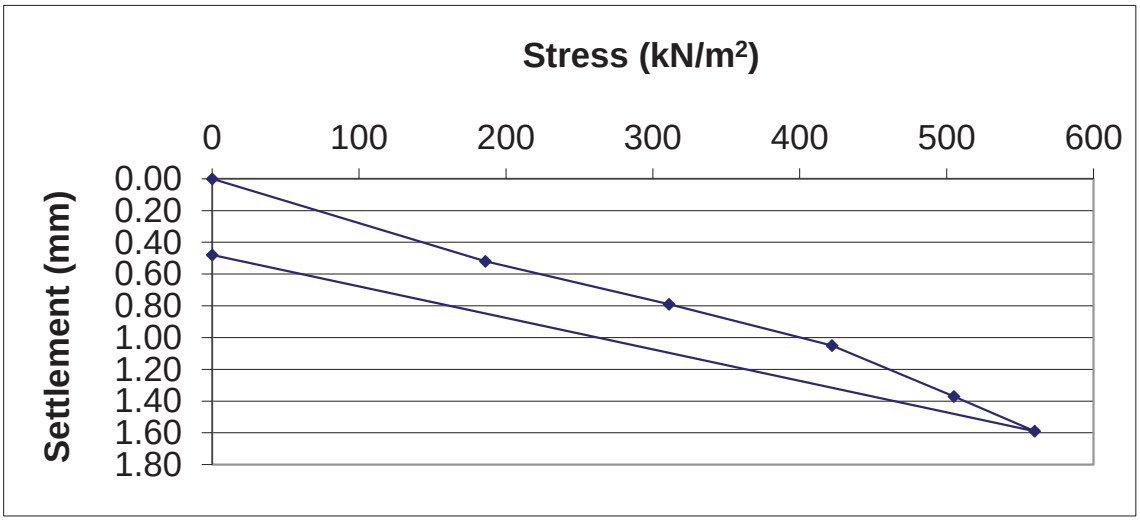
Tested By: S.Dodd

Kentledge Type: 20T Excavator

Comments

TD17-P-01-A-46

Stress (kN/m2)	Settlement (mm)
0	0.00
186	0.52
311	0.79
422	1.05
505	1.37
560	1.59
0	0.48



K Value 167.5

Estimated CBR value 68.9%

Signed_____ [X] D. Ames (Laboratory Manager/Director)

TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD
T: 01744 734 769
E: enquiries@tdconstructiontesting.co.uk

8011

TEST REPORT

Test Report No.	TD17-P-01-A-46	Date of Report	28/03/2017

Client: P. P. O'Connor Limited

Address: Woodrow Way
Thames Trading Estate
Irlam
M44 6NN

Contact: Michael Smith

Site: Wrexham

Test Requested: **Plate Loading Test to obtain Approximate CBR value**

Test Method: In-house procedure C56 based upon BS1377 Part 9:1990 Clause 4, DMRB Vol 7 HD25/94 and IAN 73/06

Material: Type 1 Subbase
Supplier/Source: Cemex / Halkyn Quarry
Moisture Content %: N/A

Location: Car Park Entrance
Depth: Finished Subbase Level
Plate Size mm: 300

Date Tested: 27/03/17

Weather Conditions: Clear

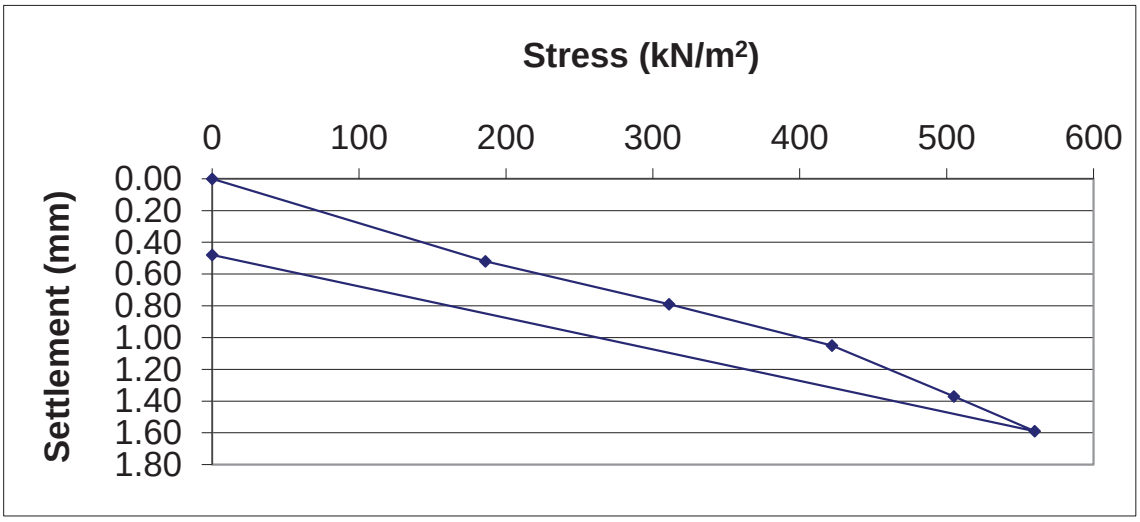
Tested By: S.Dodd

Kentledge Type: 20T Excavator

Comments

TD17-P-01-A-46

Stress (kN/m2)	Settlement (mm)
0	0.00
186	0.52
311	0.79
422	1.05
505	1.37
560	1.59
0	0.48



K Value 167.5

Estimated CBR value 68.9%

Signed_____ [X] D. Ames (Laboratory Manager/Director)

Appendix G – Imported Material Test Certificates

Brick Dust

Scientific Analysis Laboratories Ltd

Certificate of Analysis

Hadfield House
Hadfield Street
Combrook
Manchester
M16 9FE
Tel : 0161 874 2400
Fax : 0161 874 2468

Scientific Analysis Laboratories is a limited company registered in England and Wales (No 2514788) whose address is at Hadfield House, Hadfield Street, Manchester M16 9FE

Report Number: 549276-1

Date of Report: 16-FEB-2017

Customer: PP O'Connor
Woodrow Way
Thames Trading Estate
Iriam
Manchester
M44 6NN

Customer Contact: Mr Nigel Hambleton

Customer Job Reference:
Customer Purchase Order:
Customer Site Reference: Eccles New Road Salford
Date Job Received at SAL: 10-FEB-2017
Date Analysis Started: 11-FEB-2017
Date Analysis Completed: 16-FEB-2017

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
Tests covered by this certificate were conducted in accordance with SAL SOPs
All results have been reviewed in accordance with Section 25 of the SAL Quality Manual

UKAS TESTING
1549

Report checked and authorised by :
Mr Richard Wong
Project Manager

Issued by :
Mr Richard Wong
Project Manager

This document has been printed from a digitally signed master copy

SAL Reference: 549276
Project Site: Eccles New Road Salford
Customer Reference: SF2 Fines

Soil
Heavy Metals(9)

Analysed as Soil

SAL Reference	549276 001
Customer Sample Reference	Eccles New Road Salford
Date Sampled	16-FEB-2017

Determinand	Method	Test Sample	LOD	Units	
Arsenic	T6	AR	1	mg/kg	11
Cadmium	T6	AR	1	mg/kg	<1
Chromium	T6	AR	1	mg/kg	21
Copper	T6	AR	1	mg/kg	68
Lead	T6	AR	1	mg/kg	180
Mercury	T6	AR	1	mg/kg	<1
Nickel	T6	AR	1	mg/kg	17
Selenium	T6	AR	3	mg/kg	<3
Zinc	T6	AR	1	mg/kg	280

SAL Reference: 549276
Project Site: Eccles New Road Salford
Customer Reference: SF2 Fines

Soil
Miscellaneous

Analysed as Soil

SAL Reference	549276 001
Customer Sample Reference	Eccles New Road Salford
Date Sampled	16-FEB-2017

Determinand	Method	Test Sample	LOD	Units	
Asbestos ID	T27	AR			N.D.
Total Petroleum Hydrocarbons	T8	AR	1	mg/kg	(13) 460

SAL Reference: 549276
Project Site: Eccles New Road Salford
Customer Reference: SF2 Fines

Soil
Total and Speciated USEPA16 PAH

Analysed as Soil

SAL Reference	549276 001
Customer Sample Reference	Eccles New Road Salford
Date Sampled	16-FEB-2017

Determinand	Method	Test Sample	LOD	Units	
Naphthalene	T16	AR	0.1	mg/kg	0.5
Acenaphthylene	T16	AR	0.1	mg/kg	<0.1
Acenaphthene	T16	AR	0.1	mg/kg	0.7
Fluorene	T16	AR	0.1	mg/kg	0.7
Phenanthrene	T16	AR	0.1	mg/kg	2.6
Anthracene	T16	AR	0.1	mg/kg	0.8
Fluoranthene	T16	AR	0.1	mg/kg	2.5
Pyrene	T16	AR	0.1	mg/kg	2.3
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	1.1
Chrysene	T16	AR	0.1	mg/kg	1.1
Benzo(b/k)Fluoranthene	T16	AR	0.1	mg/kg	1.7
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	1.1
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	0.5
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	0.2
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	0.6
PAH(total)	T16	AR	0.1	mg/kg	16

Index to symbols used in 549276-1

Value	Description
AR	As Received
N.D.	Not Detected
13	Results have been blank corrected.
S	Analysis was subcontracted
U	Analysis is UKAS accredited

Notes

Asbestos ID performed at REC Asbestos

Method Index

Value	Description
T6	ICP/OES
T27	PLM
T16	GC/MS
T8	GC/FID

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Asbestos ID	T27	AR			SU	001
Total Petroleum Hydrocarbons	T8	AR	1	mg/kg	U	001
Arsenic	T6	AR	1	mg/kg	U	001
Cadmium	T6	AR	1	mg/kg	U	001
Chromium	T6	AR	1	mg/kg	U	001
Copper	T6	AR	1	mg/kg	U	001
Lead	T6	AR	1	mg/kg	U	001
Mercury	T6	AR	1	mg/kg	U	001
Nickel	T6	AR	1	mg/kg	U	001
Selenium	T6	AR	3	mg/kg	U	001
Zinc	T6	AR	1	mg/kg	U	001
Naphthalene	T16	AR	0.1	mg/kg	U	001
Acenaphthylene	T16	AR	0.1	mg/kg	U	001
Acenaphthene	T16	AR	0.1	mg/kg	U	001
Fluorene	T16	AR	0.1	mg/kg	U	001
Phenanthrene	T16	AR	0.1	mg/kg	U	001
Anthracene	T16	AR	0.1	mg/kg	U	001
Fluoranthene	T16	AR	0.1	mg/kg	U	001
Pyrene	T16	AR	0.1	mg/kg	U	001
Benzo(a)Anthracene	T16	AR	0.1	mg/kg	U	001
Chrysene	T16	AR	0.1	mg/kg	U	001
Benzo(b/k)Fluoranthene	T16	AR	0.1	mg/kg	U	001
Benzo(a)Pyrene	T16	AR	0.1	mg/kg	U	001
Indeno(123-cd)Pyrene	T16	AR	0.1	mg/kg	U	001
Dibenzo(ah)Anthracene	T16	AR	0.1	mg/kg	U	001
Benzo(ghi)Perylene	T16	AR	0.1	mg/kg	U	001
PAH(total)	T16	AR	0.1	mg/kg	U	001

MURRAY RIX
CONSULTANCY, SITE INVESTIGATION
CONSTRUCTION MATERIALS TESTING

TEST REPORT

Client P.P. O'Connor Ltd

Address Thames Trading Estate
Woodrow Way
Irlam
Manchester
M44 6NN

Contract Eccles New Road, Salford

Job Number MRN 1927/39
Date of Issue 27 February 2017
Page **1 of 2**

Approved Signatories

S J Hutchings, O P Davies

Notes

1 All remaining samples and remnants from this contract will be disposed 28 days from the date of this report unless you notify us to the contrary.

2 Result certificates, in this report, not bearing a UKAS mark, are not included in our UKAS accreditation schedule.

3 Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation

4 Certified that the samples have been examined and tested in accordance with the terms of the contract/order and unless otherwise stated conform to the standards/specifications quoted. This does not, however, guarantee the balance of the materials from which the tested samples have been taken to be of equal quality.

33C, Vauxhall Industrial Estate, Greg Street, Reddish, Stockport SK5 7BR Tel: 0161 475 0870 Fax: 0161 475 0871
Email: steve@mtt-uk.com Website: www.murrayrix.com
Also at: London: 020 8523 1999
Murray Rix is the trading name of Murray Rix (Northern) Limited. Registered in England 2878361

MURRAY RIX

33C Vauxhall Ind. Estate, Greg Street
Reddish, Stockport SK5 7BR
TEL 0161 475 0870 FAX 0161 475 0871

UKAS TESTING 1580

TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.2: 1990

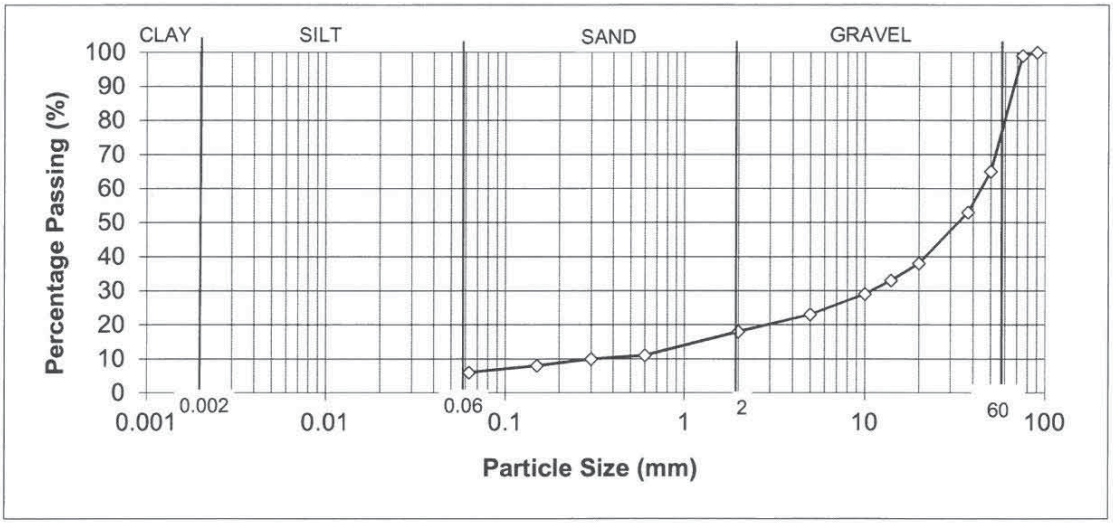
Determination of Moisture Content in accordance with BS 1377: PART 2: Clause 3: 1990 (Oven Dry)

CLIENT	P.P. O'Connor Ltd
SITE	Eccles New Road, Salford
JOB NUMBER	MRN 1927/39

SAMPLE LABEL	Recycled 6F2	DATE SAMPLED	17-Feb-17
LAB SAMPLE No	69081	DATE RECEIVED	17-Feb-17
DATE TESTED	20-Feb-17	SAMPLED BY	Client

MATERIAL	6F2
ADVISED SOURCE	Eccles New Road, Salford

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	10	29	15-60
90	100	80-100	5	23	10-45
75	99	65-100	2	18	
50	65		0.6	11	0-25
37.5	53	45-100	0.3	10	
20	38		0.15	8	
14	33		0.063	6	0-12



REMARKS

Sample complies with the grading requirements for a 6F2 material (SHW 2016)

As received moisture content = 8.0%

SIGNED

NAME O.P. Davies (Deputy Laboratory Manager) DATE 27-Feb-17

celtest
INDEPENDENT MATERIALS TESTING

Tudor Griffiths Ltd
Wood Lane,
Ellesmere,

Shropshire,
SY12 0HY

Date: 04 October 2016
Test Report Ref: STR 484073

Contract: Wood lane Ellesmere

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Loss on Ignition of an aggregate sample in accordance with **BS EN 1744-1 : 2009 + A1 : 2012 Clause 17**

SAMPLE DETAILS:

Certificate of sampling received:	**Yes**
Laboratory Ref. No:	**S60500 / 255785**
Client Ref. No:	**Crushed Rubble**
Date and Time of Sampling:	**21/09/2016**
Date of Receipt at Lab:	**23/09/2016**
Date of Start of Test:	**30/09/2016**
Sampling Location:	**Stock**
Name of Source:	**T.G.**
Method of Sampling:	**Unknown**
Sampled By:	**Client**
Material Description	**Crushed Rock**
Target Specification:	**N/A**

RESULTS:

Loss on Ignition (LOI) =	**9.5**	**(nearest 0.1%)**
*95% Confidence limit**		*9.36% - 9.64%*

Comments

*95% Confidence limit is the expanded uncertainty which is the combined uncertainty standard multiplied by a factor (k) of 2

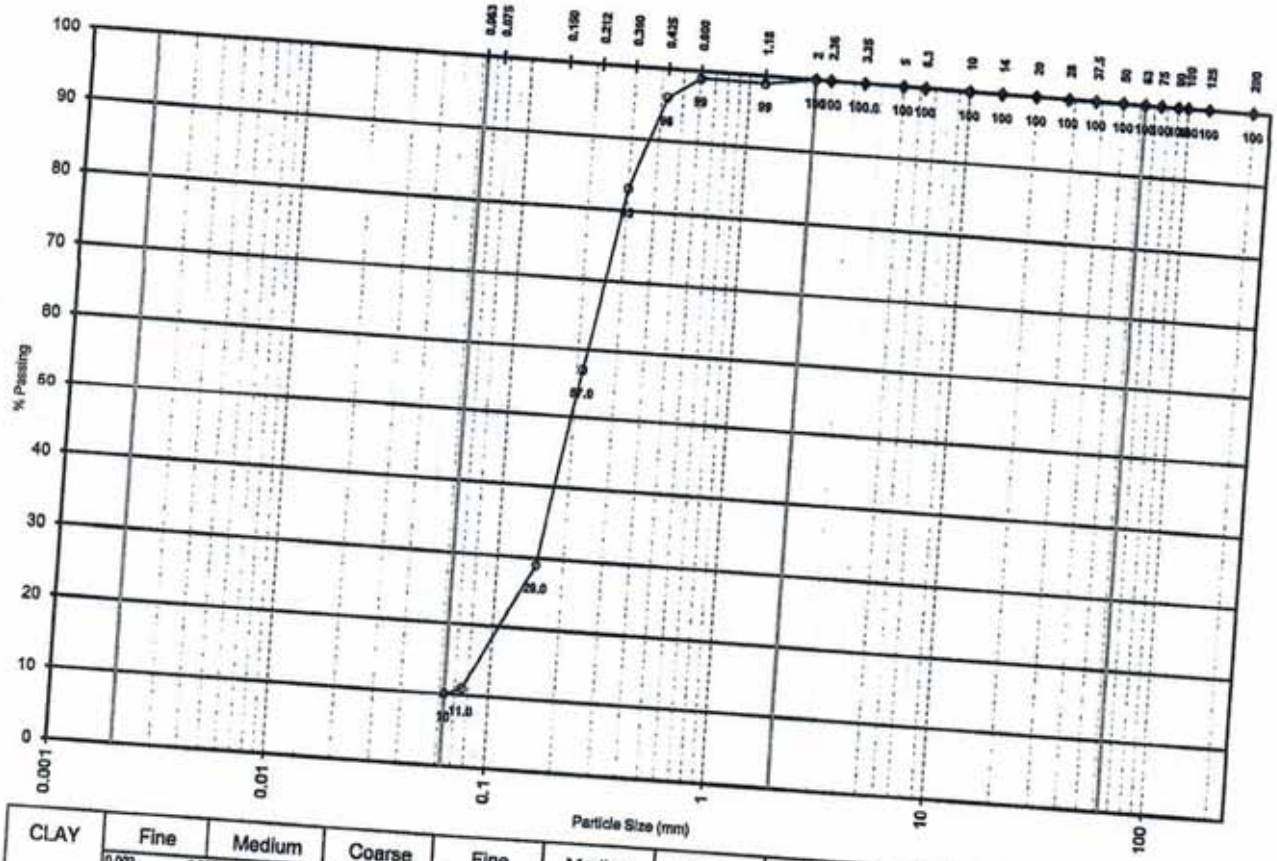
Certificate Prepared by:- Dyfed Jones
Job Coordinator

Approved by: - Eric Goulden
Technical Manager

MATERIAL DESCRIPTION

Sieve Size mm	% Passing	Sieve Size mm	% Passing
200	100	3.35	100
125	100	2.36	100
100	100	2.0	100
90	100	1.18	99
75	100	0.600	99.0
63	100	0.425	96.0
50	100	0.300	83.0
37.5	100	0.212	57.0
28	100	0.150	29.0
20	100	0.075	11.0
14	100	0.063	10.1
10	100		
6.3	100		
5.0	100		

Cobbles	0.0
Gravel	0.0
Sand	89.9
Silt/Clay	10.1



CLAY	SILT			SAND			GRAVEL			COBBLES
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	
	0.002 – 0.006	0.006 – 0.02		0.063 – 0.2	0.2 – 0.63		2.0 – 6.3	6.3 – 20		63 – 200

Trefelin Bangor Gwynedd LL57 4LH T +44 (0)1248 355269 F +44 (0)1248 351563 E postmaster@celtest.com W www.celtest.com

Celtest Company Limited. Registered in Wales and England 1533370. Vat No. 352-5034 81

celtest

Tudor Griffiths Ltd
Wood Lane,
Ellesmere,

Shropshire,
SY12 0HY

Date: 13 March 2017

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Particle Size Distribution (PSD) of a soil sample- washing and sieving method in accordance with **BS EN 933-1: 2012.**

SAMPLE DETAILS:

Certificate of sampling received:	**Yes**
Laboratory Ref. No:	**S59703 / 255774**
Client Ref. No:	**Docks**
Date and Time of Sampling:	**13/02/2017**
Date of Receipt at Lab:	**13/02/2017**
Date of Start of Test:	**14/02/2017**
Sampling Location:	**T.G. Stock**
Name of Source:	**Docks**
Method of Sampling:	**EN 932-1**
Sampled By:	**Client**
Material Description:	**Crushed Aggregate**
Target Specification:	**N/A**

RESULTS:

SEE ATTACHED

Comments
None

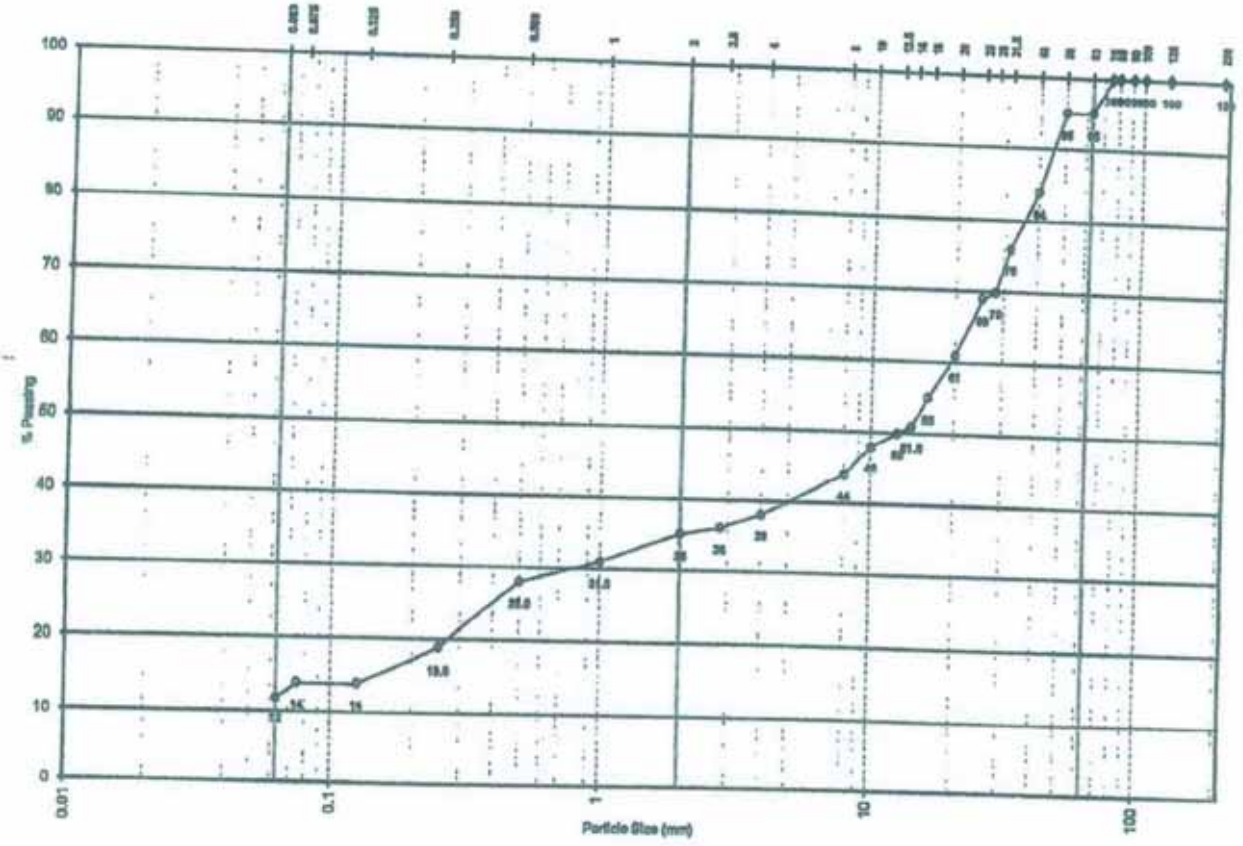
Certificate Prepared by:-
Dyfed Jones
Job Coordinator

Approved by: -
Eric Goulden
Technical Manager

MATERIAL DESCRIPTION

Crushed Aggregate

Sieve Size mm	% Passing	Sieve Size mm	% Passing
200	100	14	51
125	100	12.5	50
100	100	10.0	48
90	100	8.0	44
80	100	4.0	38
75	100	2.8	36
63	95	2.0	35
50	95	1.0	31
40	84	0.500	28
31.5	76	0.250	19
28	70	0.125	14
25	69	0.075	14
20	61	0.063	11.9
16	55		



Trefelin Bangor Gwynedd LL57 4LH T +44 (0)1248 355269 F +44 (0)1248 351563 E postmasten@celtest.com W www.celtest.com

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Breedon Aggregates

Date: 31 October 2016
Test Report Ref: STR 488027

Order No: LQN / 005186

Contract: Various

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Plastic Limit, Liquid Limit, and Plasticity Index of sample in accordance with **BS 1377:Part 2:1990 Clause 5.3, Clause 4.3, and Clause 5.4.**

SAMPLE DETAILS:

Certificate of sampling received:	**Yes**
Laboratory Ref. No:	**S60953**
Client Ref. :	**308DE**
Date and Time of Sampling:	**10/10/2016 (11:30)**
Date of Receipt at Lab:	**14/10/2016**
Date of Start of Test:	**26/10/2016**
Sampling Location:	**Stock**
Name of Source:	**Denbigh Quarry**
Method of Sampling:	**EN 932-1**
Sampled By:	**Client**
Soil Description:	**Type 1 Sub-Base**
Target Specification:	**N/A**

RESULTS:

History of sample:	**:**	**After wet sieving**
% Materials passing 425µm	**=**	**10.1**
Plastic Limit	**=**	**Non Plastic**
Liquid Limit	**=**	**N/A**
Plasticity Index	**=**	**N/A**

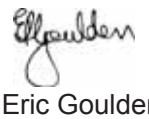
Comments
None

Certificate Prepared by:-



Mathew Sayer
Assistant Laboratory Manager

Approved by:



Eric Goulden
Technical Manager

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Breedon Aggregates
Leaton Quarry
Leaton
Telford
Shropshire
TF6 5HB

Date: 19 December 2016
Test Report Ref: STR 497659

Order No: LQN 005193

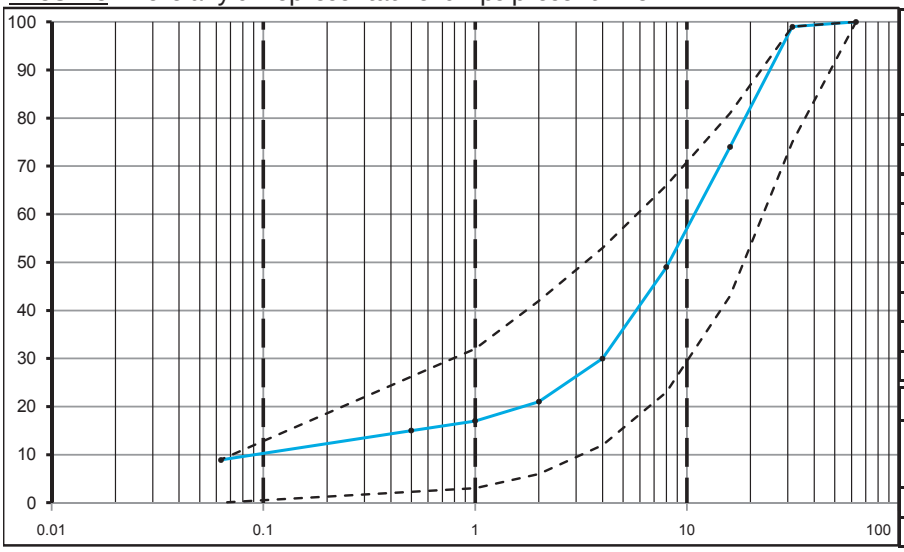
LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Particle Size Distribution (PSD) of a aggregate sample - washing and sieving method in accordance with **BS EN 933-1: 2012.**

SAMPLE DETAILS:

Certificate of sampling received:	**Yes**	Name of Source:	**Denbigh**
Laboratory Ref. No:	**S61896**	Method of Sampling:	**EN 932-1**
Client Ref. No:	**328DE**	Sampled By:	**Client**
Date and Time of Sampling:	**25/11/2016 (11:30)**		
Date of Receipt at Lab:	**25/11/2016**		
Date of Start of Test:	**09/12/2016**		
Sampling Location:	**Stock**		
Material Description:	**GSB Type 1**		
Target Specification:	**SHW Series 800: clause 803 Table 8/5 overall grading range Type 1 Unbound Mixture**		

RESULTS: Were any unrepresentative lumps present? No



BS Test Sieve Size	Cumulative Percentage Passing	Specification Limits
63.0 mm	100	100
31.5 mm	99	75 - 99
16.0 mm	74	43 - 81
8.0 mm	49	23 - 66
4.0 mm	30	12 - 53
2.0 mm	21	6 - 42
1.0 mm	17	3 - 32
0.500 mm	15	
0.063 mm	8.9	0 - 9

Percent in Fraction Size		
Fraction Size	Percentage	Specification Limits
8/16	25	7 - 30
4/8	19	7 - 30

Comments
Complies with specification requirements for Type 1 Unbound Mixture - Grading limits

Report checked and approved by:

Mathew Sayer
Assistant Laboratory Manager

Breedon Aggregates

Date: 01 November 2016
Test Report Ref: STR 488443

Order No: LQN / 005186

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Laboratory California Bearing Ratio of sample in accordance with **BS 1377: Part 4: Clause 7: 1990**

SAMPLE DETAILS:

Certificate of sampling received:	**Yes**
Laboratory Ref. No:	**S60953**
Client Ref. No:	**308DE**
Date and Time of Sampling:	**10/10/2016 (11:30)**
Date of Receipt at Lab:	**14/10/2016**
Date of Start of Test:	**27/10/2016**
Sampling Location:	**Stock**
Name of Source:	**Denbigh Quarry**
Method of Sampling:	**EN 932-1**
Sampled By:	**Client**
Material Description:	**Type 1 Sub-Base**
Target Specification:	**N/A**

RESULTS:

See attached

Comments

The Reported CBR has been corrected in accordance with BS 1377 Part4:1990 clause 7.5.1.2 due to the concave nature of the initial part of the curve.

Certificate Prepared by:-

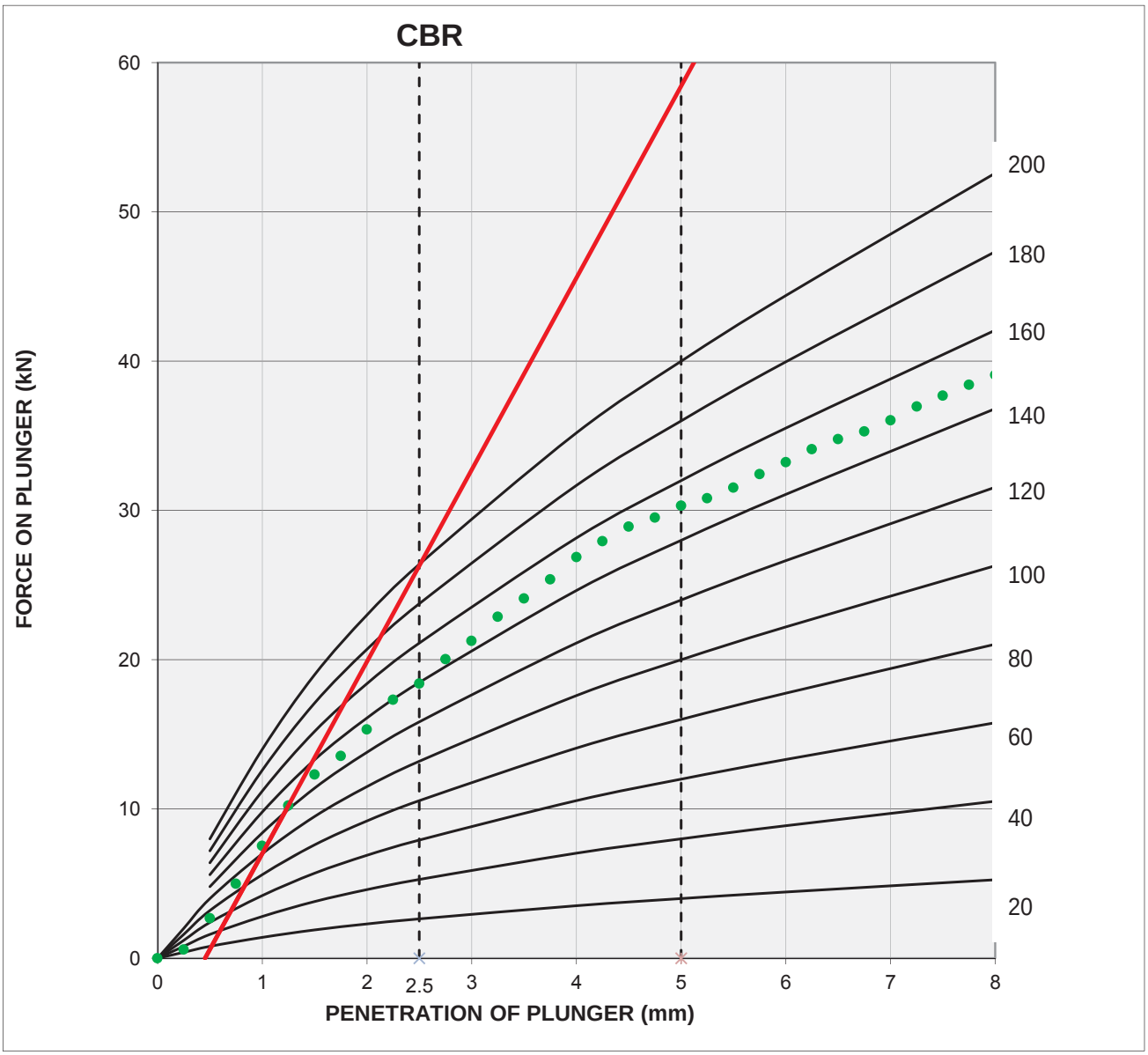
Mathew Sayer
Assistant Laboratory Manager

Approved by: -

Eric Goulden
Technical Manager

Test Report Ref: STR 488443 - Page 2 of 2

Reference: 308DE		
Soaked/Unsoaked	Period of Soaking: N/A	Date of CBR Test: 27/10/2016
Material: Type 1 Sub-Base		
Compaction Method: Vibrating Hammer		
Presence of Particles 20mm+ beneath plunger: NONE		% Greater than 20mm: 0
Moisture Content(%): 3.6		Dry Density (Mg/m3): 2.077
CBR Value / Top (%): 160 (2 Sig Fig (Corrected)		
Swell: N/A		



Breedon Aggregates
Leaton Quarry
Leaton
Telford
Shropshire
TF6 5HB

Date: 13 September 2016
Test Report Ref: STR 478700

Contract: Denbigh

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Dry Density and Moisture Content Relationship of soil passing 20mm sieve - Vibrating Hammer Method in accordance with **BS 1377: 4: 1990 Clause 3.7**

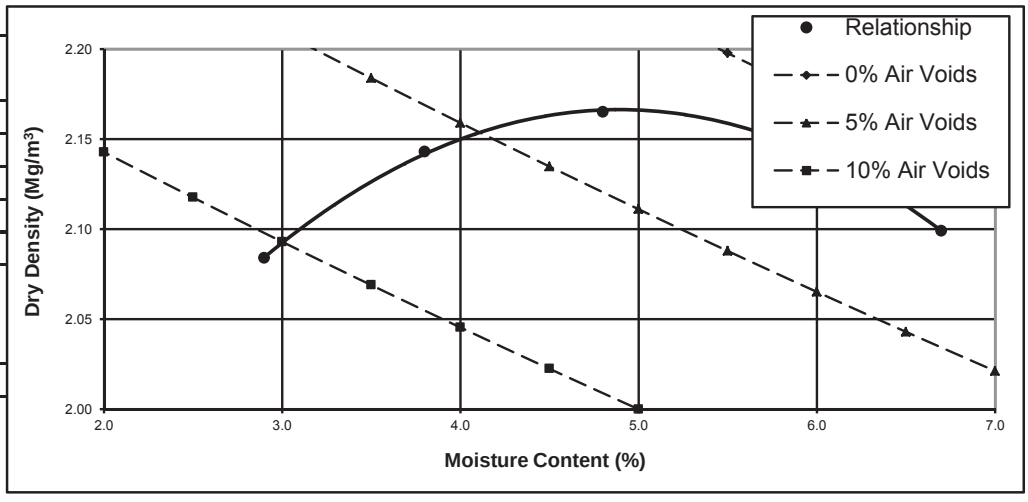
SAMPLE DETAILS:

Certificate of sampling received:	**Yes**	Name of Source:	**Denbigh**
Laboratory Ref. No:	**S59898**	Method of Sampling:	**Unknown**
Client Ref. :	**6057**	Sampled By:	**Client**
Date and Time of Sampling:	**18/08/2016**		
Date of Receipt at Lab:	**19/08/2016**		
Date of Start of Test:	**12/09/2016**		
Sampling Location:	**Unknown**		
Soil Description:	**Denbigh GSB Type 1**		

RESULTS:

Were any unrepresentative lumps present?	**No**
Sample Preparation Procedure:	**Zone 3**
Sample Preparation Method:	**Single**
Particle Density:	**2.5Mg/m3 (Assumed)**
Amount of sample retained on 37.5mm test sieve:	**0 %**
Amount of sample retained on 20mm test sieve:	**19.7 %**

Moisture Content (%)	Dry Density Mg/m^3
2.9	2.08
3.8	2.14
4.8	2.17
5.8	2.15
6.7	2.10
Optimum Moisture Content (%)	**Maximum Dry Density Mg/m^3**
4.8	2.17



Comments
None

Certificate Prepared by:-
Mathew Sayer
Assistant Laboratory Manager

Approved by:
Eric Goulden
Technical Manager

Breedon Aggregates
Leaton Quarry
Leaton
Telford
Shropshire
TF6 5HB

Date: 09 September 2016
Test Report Ref: STR 478702

Contract: Denbigh

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Fragmentation of Aggregate - Los Angeles Test Method in accordance with **BS EN 1097-2: 2010**

SAMPLE DETAILS:

Certificate of sampling received:	**Yes**
Laboratory Ref. No:	**S59898**
Client Ref. No:	**6057**
Date and Time of Sampling:	**18/08/2016**
Date of Receipt at Lab:	**19/08/2016**
Date of Start of Test:	**07/09/2016**
Sampling Location:	**Unknown**
Name of Source:	**Denbigh**
Method of Sampling:	**Unknown**
Sampled By:	**Client**
Material Description:	**Denbigh GSB Type 1**
Target Specification:	**N/A**

RESULTS:

Size fraction from which the test portion was obtained: **14mm to 12.5mm**
12.5mm to 10.0mm

Los Angeles Coefficient (LA) = 31

Comments
None

Certificate Prepared by:-
Mathew Sayer
Assistant Laboratory Manager

Approved by: -
Eric Goulden
Technical Manager

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Leaton Quarry
Leaton
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Shropshire
TF6 5HB

Date: 13 September 2016
Test Report Ref: STR 478701

Contract: Denbigh

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Moisture Condition Value (MCV) of a sample at its natural moisture content in accordance with **BS 1377 : Part 4 : 1990 Test 5.4**

SAMPLE DETAILS:

Certificate of sampling received:	**Yes**
Laboratory Ref. No:	**S59898**
Client Ref. No:	**6057**
Date and Time of Sampling:	**18/08/2016**
Date of Receipt at Lab:	**19/08/2016**
Date of Start of Test:	**08/09/2016**
Sampling Location:	**Unknown**
Name of Source:	**Denbigh**
Method of Sampling:	**Unknown**
Sampled By:	**Client**
Material Description:	**Denbigh GSB Type 1**
Target Specification:	**N/A**

RESULTS:

Interpretation of test results:	**Line of Best Fit**
Moisture Condition Value (MCV)	**>18**
Moisture Content (%)	**2.6 %**
% Particles >20mm removed prior to initial sample	**19.7 %**

Comments

For material requiring more than 256 blows the Moisture Condition Value should be reported as "more than 18".

Certificate Prepared by:-



Mathew Sayer
Assistant Laboratory Manager

Approved by: -



Eric Goulden
Technical Manager

Breedon Aggregates
Leaton Quarry
Leaton
Telford
Shropshire
TF6 5HB

Date: 17 November 2016
Test Report Ref: STR 488024

Order No: LQN / 005186

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Frost Heave of Unbound Aggregate in accordance with **BS 812: Part 124: 2009 - Annex B (Use of Comparator Specimens)**

SAMPLE DETAILS:

Certificate of sampling received:	**Yes**
Laboratory Ref. No:	**S60953**
Client Ref. No:	**308DE**
Date and Time of Sampling:	**10/10/2016 (11:30)**
Date of Receipt at Lab:	**14/10/2016**
Date of Start of Test:	**19/10/2016**
Sampling Location:	**Stock**
Name of Source:	**Denbigh Quarry**
Method of Sampling:	**EN 932-1**
Sampled By:	**Client**
Material Description:	**Type 1 Sub-Base**
Target Specification	**SHW Series 800: clause 801.8**

RESULTS:

Were any unrepresentative lumps present? No

Frost Heave Test Result:

Maximum Heave Observed in 96 hours (mm)		
Comparator Specimen 1	13.0	(nearest 0.5mm)
Comparator Specimen 2	17.0	(nearest 0.5mm)
Comparator Specimen 3	11.5	(nearest 0.5mm)
Mean	**13.8**	(nearest 0.1mm)
Test Specimen 1	5.5	(nearest 0.5mm)
Test Specimen 2	3.0	(nearest 0.5mm)
Test Specimen 3	4.0	(nearest 0.5mm)
Mean Frost Heave	**4.2**	**(nearest 0.1mm)**

In accordance with SHW Series 800: clause 801.8 the sample is classified as being
Non Frost Susceptible (mean frost heave ≤ 15mm)

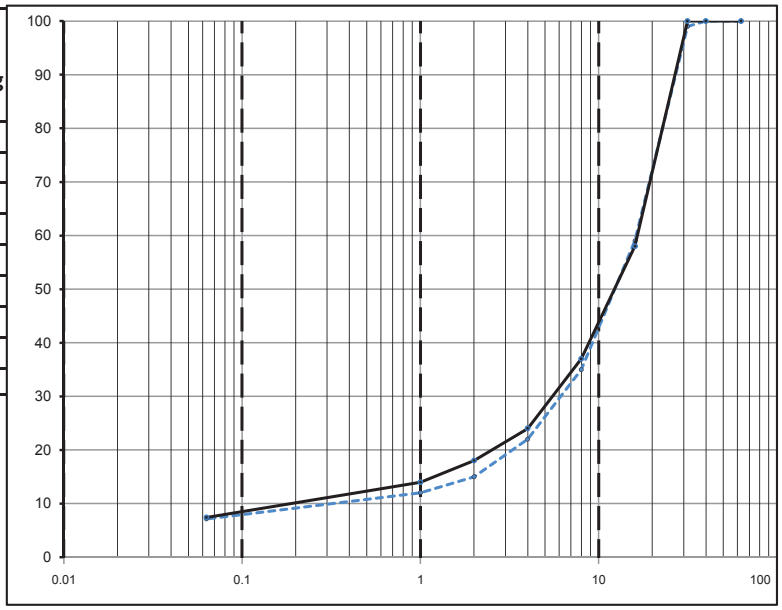
RESULTS CONTINUED:

Laboratory Dry Density & Water Content Test Result

Maximum Dry Density	2.06 Mg/m3
Optimum Water Content	3.5 %
Actual Dry Density	2.06 Mg/m3
Actual Water Content	3.4 %

Particle Size Distribution Test Result

BS Test Sieve Nominal Apperature	As Received Test Portion % Passing	Stable Test Portion % Passing
63.0 mm	100	100
40.0 mm	100	100
31.5 mm	99	100
16.0 mm	59	58
8.0 mm	35	37
4.0 mm	22	24
2.0 mm	15	18
1.0 mm	12	14
0.063 mm	7.1	7.4



Comments
None

Certificate Prepared by:-
Mathew Sayer
Assistant Laboratory Manager

Approved by: -
Eric Goulden
Technical Manager

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INDEPENDENT MATERIALS TESTING | DIAMOND DRILLING & SAWING

D. P. Williams Holdings Ltd.
Brookside Works
Denbigh Road
Hendre, Nr. Mold
Flintshire
CH7 5QA

Date: 31 January 2017
Test Report Ref: STR 505794

Order No: 00883SMH

Contract: Aberdo Quarry

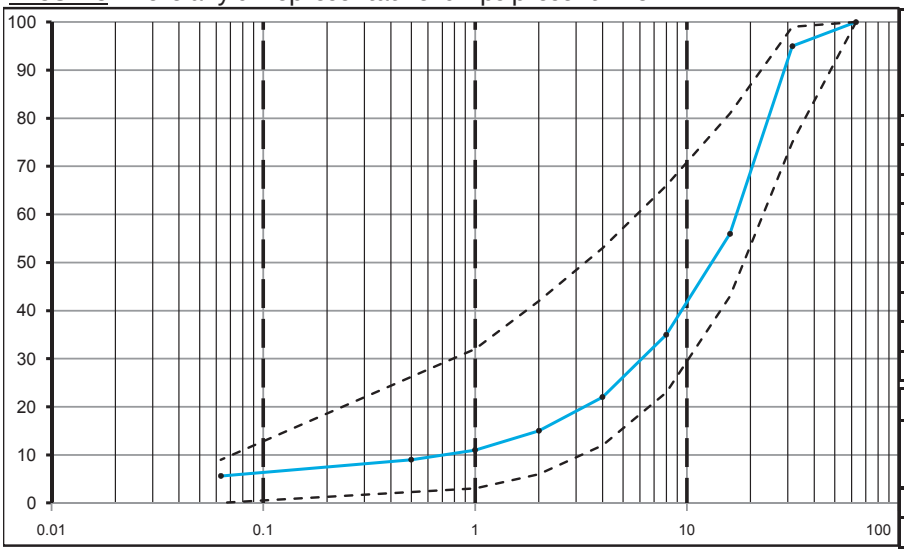
LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Particle Size Distribution (PSD) of a aggregate sample - washing and sieving method in accordance with **BS EN 933-1: 2012.**

SAMPLE DETAILS:

Certificate of sampling received:	**Yes**	Name of Source:	**Aberdo Quarry**
Laboratory Ref. No:	**S62729**	Method of Sampling:	**EN 932-1**
Client Ref. No:	**281756 Type 1**	Sampled By:	**Client**
Date and Time of Sampling:	**18/01/2017**		
Date of Receipt at Lab:	**18/01/2017**		
Date of Start of Test:	**26/01/2017**		
Sampling Location:	**Stockpile**		
Material Description:	**Type 1 Sub-Base**		
Target Specification:	**SHW Series 800: clause 803 Table 8/5 overall grading range Type 1 Unbound Mixture**		

RESULTS: Were any unrepresentative lumps present? No



BS Test Sieve Size	Cumulative Percentage Passing	Specification Limits
63.0 mm	100	100
31.5 mm	95	75 - 99
16.0 mm	56	43 - 81
8.0 mm	35	23 - 66
4.0 mm	22	12 - 53
2.0 mm	15	6 - 42
1.0 mm	11	3 - 32
0.500 mm	9	
0.063 mm	5.6	0 - 9

Percent in Fraction Size		
Fraction Size	Percentage	Specification Limits
8/16	21	7 - 30
4/8	13	7 - 30

Comments
Complies with specification requirements for Type 1 Unbound Mixture - Grading limits

Report checked and approved by:

Meical Owen
Soils Team Manager

D.P.WILLIAMS *HOLDINGS* LTD.

Established 1947
BROOKSIDE WORKS, DENBIGH ROAD,
HENDRE, Nr MOLD, FLINTSHIRE CH7 5QA.
Telephone: (01352) 741361
Fax: (01352) 741302

PRODUCT DATA SHEET
2016

Aberdo Quarry, Pentre Halkyn, Holywell, Flintshire, CH8 8HP

Petrological Description: Carboniferous Limestone

Typical Aggregate Properties (4/20mm Aggregate)

Particle Density – Oven Dried	2.65 Mg/m3	EN 1097-6
Particle Density – SSD	2.66 Mg/m3	EN 1097-6
Particle Density – Apparent	2.69 Mg/m3	EN 1097-6
Water Absorption	0.6%	EN 1097-6
Los Angeles Coefficient (LA) (resistance to fragmentation)	21	EN 1097-2
Micro Deval Coefficient (MDE) (resistance to wear)	17	EN 1097-1
Magnesium Sulphate Value (MS)	7	EN 1367-2
Acid Soluble Sulphate (as SO3)	0.01%	EN 932-1
Water Soluble Chloride	0.01%	EN 1744-1

Typical Chemical Analysis

Calcium	as CaO	45.61%
Silica	as SiO2	13.24%
Aluminium	as AI2 O3	0.88%
Iron	as Fe2O3	0.29%
Magnesium	as Mg2O3	0.61%
Titanium	as TiO2	0.06%
Manganese	as MnO	0.01%
Potassium	as K2O	0.17%
Sodium	as Na2O	0.06%
Phosphorous	as P2O5	0.06%
Loss on Ignition	LOI	38.4%
PH Value		9.3

Typical Aggregate Properties (0-40mm Aggregate)

Maximum Dry Density	2.36 Mg/m3	BS EN 13286-4
Optimum Moisture Content	4.7%	BS EN 13286-4
Mean Frost Heave	11.7	BS 812-124 inc SHW Amd.
Plasticity	Non Plastic	BS 1377-2

Material complies with SHW Specification for Specification for Highway Works Series 800, Clause 803, Table 8/5 overall grading range for TYPE 1 Sub-Base

The above tests have been carried out by Celtest Ltd (UKAS Testing Laboratory No 0494 and copies of test certificates are available upon request. This data is provided in good faith as a guide and does not constitute a specification

CEMEX

CEMEX UK Materials Ltd
Northern Region

GRADATION ANALYSIS TEST REPORT
for Product: 3359/07/ GSB Type 1 (MOT Type 1)
Supplier/ source: Halkyn Drystone (New)

Material type: SHW Series 800 Clause 803 Type1 Test method: Wash grading to BS 812: part 103: 1985: 3.1

SAMPLE INFORMATION

Sampled/ tested
Wed 15 March 2017/ 16-03-17
at 0000 hrs

Sample number 04315

Customer	CEMEX UK Materials Ltd - NW	Address	Halkyn Quarry
Truck Number	-	Sampled by	PB
Sample No.	-	Aggregate type	Limestone
Remarks 1	-	Remarks 2	-

SAMPLE ANALYSIS

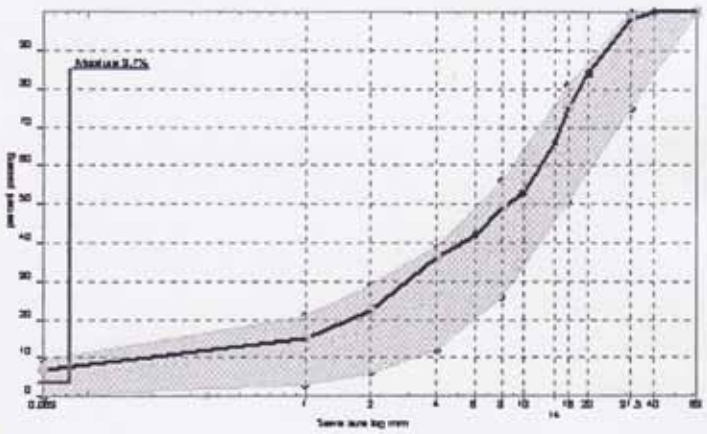
Sieve size	Percent passing	Specification limits	Complies ?
63mm	100	100 - 100	yes
40mm	100	-	-
31.5mm	98	75 - 100	yes
20mm	84	-	-
16mm	75	51 - 81	yes
14mm	66	-	-
10mm	53	-	-
8mm	49	26 - 56	yes
6mm	42	-	-
4mm	36	12 - 39	yes
2mm	22	6 - 29	yes
1mm	15	3 - 21	yes
63µm	7	0 - 9	yes
Moisture content %	3.7	not specified	-
Additional grading req.	Type 1 GSB table 8/5	pass or fail	yes
passing 16mm, ret 8mm	26	7 to 30	yes
passing 8mm, ret 4mm	14	7 to 30	yes

Parameters are evaluated to the accuracy of spec. limits

REMARKS

Compliance status ok
Category A of A-C includes secondary parameters

Top Level



Signed I. m [illegible]

Date 16/03/2017

Gradlab 0.8.7.1+ © Hugh Lenvill www.gradlab.com. Licenced: 0800211 for CEMEX, Site/user name: Halkyn Quarry.

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Cemex Materials UK Ltd
National Technical Centre
The Old Cement Works
Long Itchington
Southam
CV47 9RA

Date: 05 November 2015
Test Report Ref: STR 437438

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Acid Soluble Sulphur Content of a sample in accordance with **TRL Report 447 and BS 1377 : 1990 : ICP-AES Method 4 (Test No.2)**

SAMPLE DETAILS:

Certificate of sampling received:	**No**
Laboratory Ref. No:	**S55391**
Client Ref. :	**152 - 33066**
Date and Time of Sampling:	**06/10/2015**
Date of Receipt at Lab:	**20/10/2015**
Date of Start of Test:	**28/10/2015**
Sampling Location:	**Unknown**
Name of Source:	**ex Halkyn**
Method of Sampling:	**Unknown**
Sampled By:	**Client**
Material Description:	**Type 1**
Target Specification:	**N/A**

RESULTS:

Acid Soluble Sulphate Content (%) = 0.02 (SO_4)

Comments
The work was carried out by our accredited, competent, sub contracted laboratory.

Certificate Prepared by:-
Mathew Sayer
Job Coordinator

Approved by: -
Eric Goulden
Technical Manager

Cemex Materials UK Ltd
National Technical Centre
The Old Cement Works
Long Itchington
Southam
CV47 9RA

Date: 01 December 2015
Test Report Ref: STR 437432

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Frost Heave of Unbound Aggregate in accordance with **BS 812: Part 124: 2009 - Annex B (Use of Comparator Specimens)**

SAMPLE DETAILS:

Certificate of sampling received:	**No**
Laboratory Ref. No:	**S55391**
Client Ref. No:	**152 - 33066**
Date and Time of Sampling:	**06/10/2015**
Date of Receipt at Lab:	**20/10/2015**
Date of Start of Test:	**28/10/2015**
Sampling Location:	**Unknown**
Name of Source:	**ex Halkyn**
Method of Sampling:	**Unknown**
Sampled By:	**Client**
Material Description:	**Type 1**
Target Specification	**SHW Series 800: clause 801.8**

RESULTS:

Were any unrepresentative lumps present? No

Frost Heave Test Result:

Maximum Heave Observed in 96 hours (mm)		
Comparator Specimen 1	14.5	(nearest 0.5mm)
Comparator Specimen 2	13.0	(nearest 0.5mm)
Comparator Specimen 3	12.0	(nearest 0.5mm)
Mean	**13.2**	(nearest 0.1mm)
Test Specimen 1	15.0	(nearest 0.5mm)
Test Specimen 2	11.5	(nearest 0.5mm)
Test Specimen 3	13.0	(nearest 0.5mm)
Mean Frost Heave	**13.2**	**(nearest 0.1mm)**

In accordance with SHW Series 800: clause 801.8 the sample is classified as being
Non Frost Susceptible (mean frost heave ≤ 15mm)

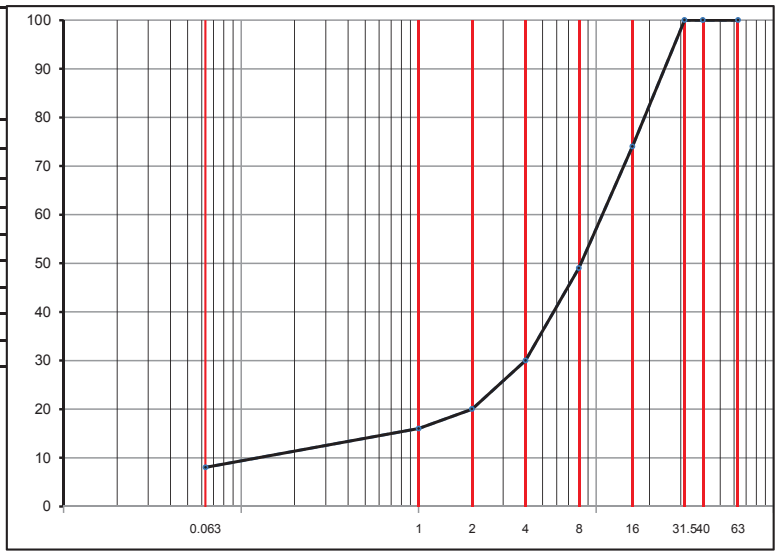
RESULTS CONTINUED:

Laboratory Dry Density & Water Content Test Result

Maximum Dry Density	2.32 Mg/m3
Optimum Water Content	4 %
Actual Dry Density	2.32 Mg/m3
Actual Water Content	4 %

Particle Size Distribution Test Result

BS Test Sieve Nominal Apperature	As Received Test Portion % Passing	Stable Test Portion % Passing
63.0 mm	100	100
40.0 mm	100	100
31.5 mm	100	100
16.0 mm	74	74
8.0 mm	49	49
4.0 mm	30	30
2.0 mm	20	20
1.0 mm	16	16
0.063 mm	8	8



Comments
None

Certificate Prepared by:-
Mathew Sayer
Job Coordinator

Approved by: -
Eric Goulden
Technical Manager

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Cemex Materials UK Ltd
National Technical Centre
The Old Cement Works
Long Itchington
Southam
CV47 9RA

Date: 18 November 2015
Test Report Ref: STR 437434

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Plastic Limit of a sample in accordance with **BS 1377:Part 2:1990 Clause 5.3**

SAMPLE DETAILS:

Certificate of sampling received:	**No**
Laboratory Ref. No:	**S55391**
Client Ref. No:	**152 - 33066**
Date and Time of Sampling:	**06/10/2015**
Date of Receipt at Lab:	**20/10/2015**
Date of Start of Test:	**16/11/2015**
Sampling Location:	**Unknown**
Name of Source:	**ex Halkyn**
Method of Sampling:	**Unknown**
Sampled By:	**Client**
Material Description:	**Type 1**

RESULTS:

History of sample	**~~Natural state/~~After wet sieving**
% Materials passing 425µm	**11**
Plastic Limit	**Non-Plastic**

Comments
None

Certificate Prepared by:-

Mathew Sayer
Job Coordinator

Approved by: -

Eric Goulden
Technical Manager

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Cemex Materials UK Ltd
National Technical Centre
The Old Cement Works
Long Itchington
Southam
CV47 9RA

Date: 05 November 2015
Test Report Ref: STR 437437

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Total Sulphur Content of a sample in accordance **BS 1377 : 1990 : ICP-AES Method 17 (TRL Report 447 Test No.4)**

SAMPLE DETAILS:

Certificate of sampling received:	**No**
Laboratory Ref. No:	**S55391**
Client Ref. :	**152 - 33066**
Date and Time of Sampling:	**06/10/2015**
Date of Receipt at Lab:	**20/10/2015**
Date of Start of Test:	**28/10/2015**
Sampling Location:	**Unknown**
Name of Source:	**ex Halkyn**
Method of Sampling:	**Unknown**
Sampled By:	**Client**
Material Description:	**Type 1**
Target Specification:	**N/A**

RESULTS:

Total Sulphur Content (%) =	**<0.01**	
Total Potential Sulphate Content (%) =	**<0.03**	**(SO_4)**

Comments

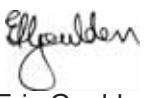
The work was carried out by our accredited, competent, sub contracted laboratory.

Certificate Prepared by:-



Mathew Sayer
Job Coordinator

Approved by: -



Eric Goulden
Technical Manager

celtest
INDEPENDENT MATERIALS TESTING | DIAMOND DRILLING & SAWING

Cemex Materials UK Ltd
National Technical Centre
The Old Cement Works
Long Itchington
Southam
CV47 9RA

Date: 05 November 2015
Test Report Ref: STR 437436

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Water Soluble Sulphur Content of a sample in accordance with
BS 1377 : 1990 : ICP-AES Method 2 (TRL Report 447 Method 1)

SAMPLE DETAILS:

Certificate of sampling received:	**No**
Laboratory Ref. No:	**S55391**
Client Ref. :	**152 - 33066**
Date and Time of Sampling:	**06/10/2015**
Date of Receipt at Lab:	**20/10/2015**
Date of Start of Test:	**28/10/2015**
Sampling Location:	**Unknown**
Name of Source:	**ex Halkyn**
Method of Sampling:	**Unknown**
Sampled By:	**Client**
Material Description:	**Type 1**
Target Specification:	**N/A**

RESULTS:

Water Soluble Sulphate Content (mg/l) = 24.00 (SO_4)

Comments

The work was carried out by our accredited, competent, sub contracted laboratory.

Certificate Prepared by:-
Mathew Sayer
Job Coordinator

Approved by: -
Eric Goulden
Technical Manager

1306

I. Phillips
M. Higgins

CERTIFICATE OF TEST
DETERMINATION OF MAGNESIUM SULFATE TEST

CERTIFICATE No: 22071 DATE OF TEST: 11/03/16 DATE OF ISSUE: 14/03/16

MATERIAL	6.3/14 Limestone ex CEMEX North West Limited – Halkyn
AGGREGATE SIZE FRACTION TESTED	Passing 14mm, Retained 10mm
ORIGINATOR/COMPANY	I. Phillips – CEMEX Northern Limited
LAB. REFERENCE No.	33513
CERT. OF SAMPLING No.	189
DATE RECEIVED	26/01/16
DATE SAMPLED	19/01/16

TEST REQUESTED	TEST RESULTS			TEST METHOD
	Result 1	Result 2	Mean	
1. Magnesium Sulfate Test	0.6	1.3	1	1. BS EN 1367-2:2009*

*The cycles are halted after cycles 2 & 4 at cooling stage to allow for weekends. Cl9.4

Authorised Signatories

M. Higgins – National Technical Manager
D. Webb – Laboratory Manager

Checked By:

CEMEX Materials Limited
CEMEX House, The Old Cement Works, Southam Road, Long Itchington, Southam, Warwickshire, CV47 9RA, United Kingdom.
Phone: +44 (0) 1926 812671 Fax: +44 (0) 1926 815092
www.cemex.co.uk
Registered in England and Wales: Company Number 4895833 Registered Office: CEMEX House, Coldharbour Lane, Thorpe, Egham, Surrey TW20 8TD, United Kingdom.

1306

I. Phillips
M. Higgins

CERTIFICATE OF TEST
PHYSICAL AND MECHANICAL PROPERTIES

CERTIFICATE No: 22015 DATE OF TEST: 5/02/16 DATE OF ISSUE: 8/02/16

MATERIAL	6.3/14 Limestone ex CEMEX North West Limited – Halkyn
AGGREGATE SIZE FRACTION	As Received
ORIGINATOR	I. Phillips – CEMEX Northern Limited
LAB. REFERENCE No.	33513
CERT. OF SAMPLING No.	189
DATE RECEIVED	26/01/16
DATE SAMPLED	19/01/16

TEST REQUESTED	TEST RESULTS	TEST METHOD
1. Particle Density (Mg/m³) a Saturated Surface Dry; b Oven Dry; c Apparent	1. a 2.70; b 2.68; c 2.72	1. BS EN 1097 – 6 : 2013 Cl. 8
2. Water Absorption (%)	2. 0.6	2. BS EN 1097 – 6 : 2013 Cl. 8
3. Loose Bulk Density (Mg/m³)	3. Individual Result: a 1.394, b 1.392, c 1.394; Mean 1.39	3. BS EN 1097-3 : 1998
4. Resistance to Fragmentation (LA Method)*	4. 23	4. BS EN 1097 – 2 : 2010
5. Resistance to Wear (micro-Deval) * Wet Method	5. Test 1 16.7; Test 2 16.7; Mean 17	5. BS EN 1097 – 1 : 2011

* Test Portions obtained using 14.0mm, 12.5mm and 10mm Test Sieves According to BSEN 1097parts 1 and 2

Authorised Signatories

M. Higgins – National Technical Manager
D. Webb – Laboratory Manager

Checked By:

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sara.brennan

Subject: FW: Wrexham Plate and CBR

From: antony.jones [mailto:antony.jones@wyg.com]
Sent: 28 March 2017 11:48
To: Andrew Peacock; paul.rigby
Cc: Michael Smith; Graham Ford (Galliford Try) (Graham.Ford@gallifordtry.co.uk); Paul Robinson (Galliford Try) (paul.robinson@gallifordtry.co.uk)
Subject: RE: Wrexham Plate and CBR

Andrew,

I am satisfied with the results and based on these tests being representative for the site no further works are required ahead of laying the type 1 sub base.

Regards

Antony Jones **BEng(Hons) CEng MIStructE**
Associate

For more information about WYG Engineering, please have a look at our brochure

WYG
Quay West at MediaCityUK, Trafford Wharf Road, Trafford Park, Manchester, M17 1HH
Tel: +44 161 874 8709
Mob: +44 7932 725 357

www.wyg.com

WYG Engineering Limited. Registered in England number: 1959704.
Registered Office: Arndale Court, Otley Road, Headingley, Leeds, West Yorkshire LS6 2UJ VAT No: 431-0326-08.





From: Andrew Peacock [mailto:Andrew.Peacock@ppoconnor.co.uk]
Sent: 28 March 2017 11:16
To: antony.jones <antony.jones@wyg.com>; paul.rigby <paul.rigby@wyg.com>
Cc: Michael Smith <Michael.Smith@ppoconnor.co.uk>; Graham Ford (Galliford Try) (Graham.Ford@gallifordtry.co.uk) <Graham.Ford@gallifordtry.co.uk>; Paul Robinson (Galliford Try) (paul.robinson@gallifordtry.co.uk) <paul.robinson@gallifordtry.co.uk>
Subject: Wrexham Plate and CBR
Importance: High

Anthony,

Please find attached the plate bearing results taken at formation level yesterday in the building footprint under the raft area.

There is circa 150-200 mm of type 1 stone to be placed on top of this level to reach underside raft foundation.

Can you please confirm by return that you are happy for type 1 to be places directly on top of the formation as it stands and no remedial; works are required prior to placement of type 1.

We are placing Type 1 stone from tomorrow morning (29/03)

The two final reports are for the access ramp and crane mat and so is for information for the site team only.

Regards

Andrew Peacock
Contracts Director

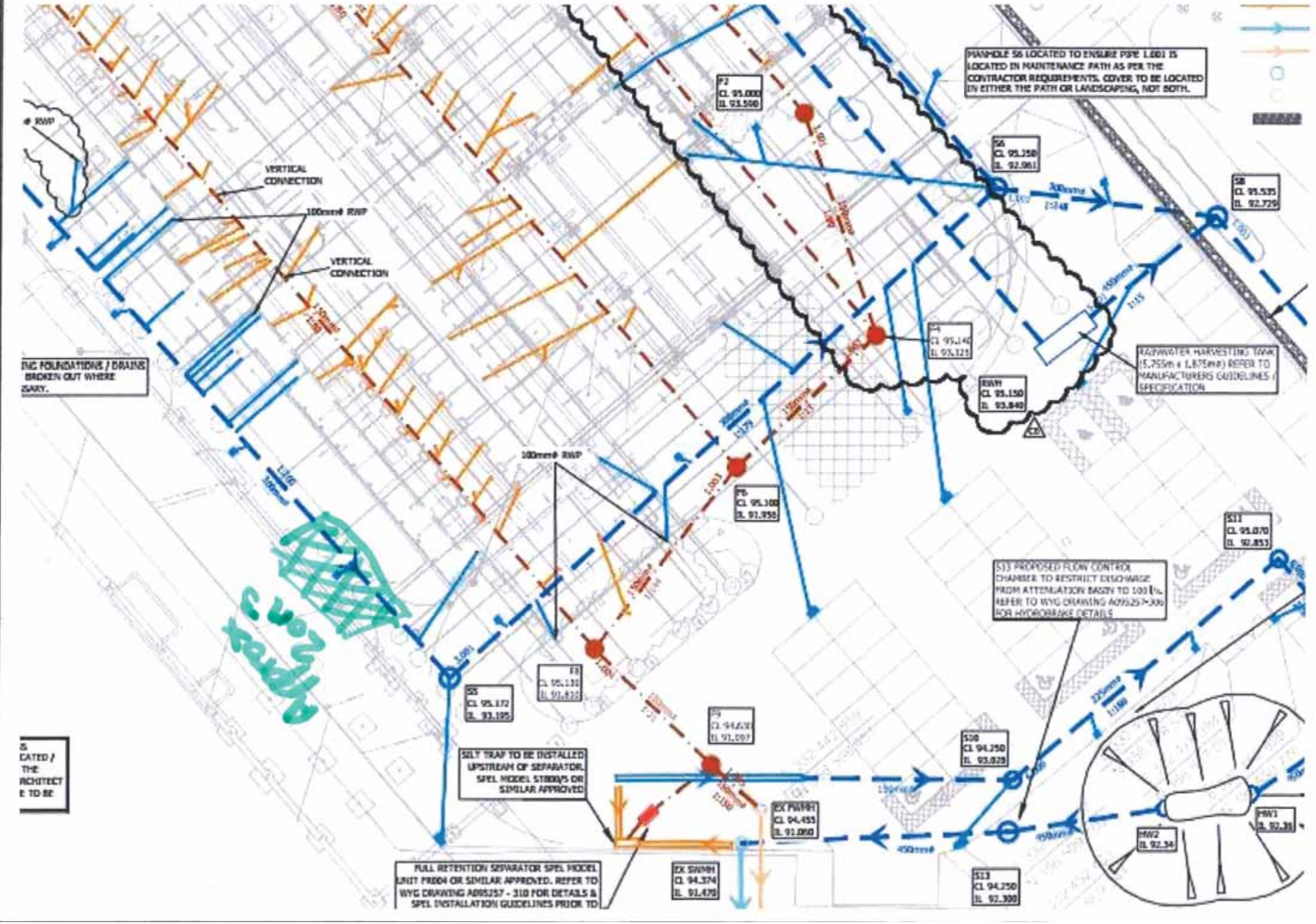
P. P. O'CONNOR
Committed To Excellence

P.P. O'Connor | Units 7&8 | City Limits, 34 South Parade | Morley
Leeds | LS27 8FE | Tel: 0113 493 1460 / Mob:07572 600530
Web: www.ppoconnor.co.uk
Twitter:PP_OConnor

Registered in England no: 2545561

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Appendix H – Exported Material Certification


MANHOLE S6 LOCATED TO ENSURE PIPE 1.001 IS LOCATED IN MAINTENANCE PATH AS PER THE CONTRACTOR REQUIREMENTS. COVER TO BE LOCATED IN EITHER THE PATH OR LANDSCAPING, NOT BOTH.
VERTICAL CONNECTION
100mmø RWP
VERTICAL CONNECTION
RAINWATER HARVESTING TANK (5.755m x 1.875mm) REFER TO MANUFACTURERS GUIDELINES / SPECIFICATION
100mmø RWP
S13 PROPOSED FLOW CONTROL CHAMBER TO RESTRICT DISCHARGE FROM ATTENUATION BASIN TO 10l/s REFER TO WYG DRAWING A095257-300 FOR HYDROBRAKE DETAILS
SILT TRAP TO BE INSTALLED UPSTREAM OF SEPARATOR. SPEL MODEL STB00/5 OR SIMILAR APPROVED
FULL RETENTION SEPARATOR SPEL MODEL UNIT PRE04 OR SIMILAR APPROVED. REFER TO WYG DRAWING A095257 - 310 FOR DETAILS & SPEL INSTALLATION GUIDELINES PRIOR TO
EX SWMH
EX PWMH
HW1
HW2

DETS

Certificate of Analysis

Certificate Number 17-06030 28-Jul-17

Client TD Construction Testing Ltd
Gerard Hall
40 Lord Street
St Helens
Merseyside
WA10 2SD

Our Reference 17-06030

Client Reference TD17-P-01-B

Order No 17/178

Contract Title (PP O'Connor) Wrexham

Description 3 Soil samples.

Date Received 24-Jul-17

Date Started 24-Jul-17

Date Completed 28-Jul-17

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 10725 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By

Adam Fenwick
Contracts Manager

UKAS TESTING
2139

WASTE ACCEPTANCE CRITERIA TESTING ANALYTICAL REPORT

Our Ref 17-06030
Client Ref TD17-P-01-B
Contract Title (PP O'Connor) Wrexham
Sample Id Lab 17/1119- 21/07/17

Sample Numbers 1208232 1208233 1208234
Date Analysed 28/07/2017

Test Results On Waste

Determinand and Method Reference	Units	Result
DETSC 2084* Total Organic Carbon	%	0.7
DETSC 2003# Loss On Ignition	%	1.4
DETSC 3321# BTEX	mg/kg	< 0.04
DETSC 3401# PCBs (7 congeners)	mg/kg	< 0.01
DETSC 3311# TPH (C10 - C40)	mg/kg	1600
DETSC 3301 PAHs	mg/kg	< 1.6
DETSC 2008# pH	pH Units	9.5
DETSC 2073* Acid Neutralisation Capacity (pH4)	mol/kg	< 1
DETSC 2073* Acid Neutralisation Capacity (pH7)	mol/kg	< 1

WAC Limit Values		
Inert Waste	SNRHW	Hazardous Waste
3	5	6
n/a	n/a	10
6	n/a	n/a
1	n/a	n/a
500	n/a	n/a
100	n/a	n/a
n/a	>6	n/a
n/a	TBE	TBE
n/a	TBE	TBE

Test Results On Leachate

Determinand and Method Reference	Conc in Eluate ug/l		Amount Leached mg/kg	
	2:1	8:1	LS2	LS10
DETSC 2306 Arsenic as As	2.9	2.8	0.006	0.028
DETSC 2306 Barium as Ba	52	91	0.1	0.85
DETSC 2306 Cadmium as Cd	0.05	< 0.03	< 0.004	< 0.02
DETSC 2306 Chromium as Cr	0.27	< 0.25	< 0.02	< 0.1
DETSC 2306 Copper as Cu	2	1.8	0.004	< 0.02
DETSC 2306 Mercury as Hg	0.01	0.02	< 0.0004	< 0.002
DETSC 2306 Molybdenum as Mo	4.8	2.3	< 0.02	< 0.1
DETSC 2306 Nickel as Ni	0.8	1.4	< 0.02	< 0.1
DETSC 2306 Lead as Pb	0.18	0.97	< 0.01	< 0.05
DETSC 2306 Antimony as Sb	3.1	1.2	< 0.01	< 0.05
DETSC 2306 Selenium as Se	5.4	2.6	0.011	0.031
DETSC 2306 Zinc as Zn	5.2	2	0.01	0.025
DETSC 2055 Chloride as Cl	6200	3000	< 20	< 100
DETSC 2055* Fluoride as F	490	200	0.98	2.48
DETSC 2055 Sulphate as SO4	120000	16000	240	332.6
DETSC 2009* Total Dissolved Solids	260000	62000	520	948.7
DETSC 2130 Phenol Index	< 100	< 100	< 0.2	< 1
DETSC 2033* Dissolved Organic Carbon	7100	5000	14.2	53.5

WAC Limit Values Limit values for LS10 Leachate		
Inert Waste	SNRHW	Hazardous Waste
0.5	2	25
20	100	300
0.04	1	5
0.5	10	70
2	50	100
0.01	0.2	2
0.5	10	30
0.4	10	40
0.5	10	50
0.06	0.7	5
0.1	0.5	7
4	50	200
800	15,000	25,000
10	150	500
1000	20,000	50,000
4000	60,000	100,000
1	n/a	n/a
500	800	1000

TBE - To Be Evaluated
SNRHW - Stable Non-Reactive Hazardous Waste

Additional Information

DETSC 2008 pH	7.9	9
DETSC 2009 Conductivity uS/cm	377	88
* Temperature*	20	20

Mass of Sample Kg	0.130
Mass of dry Sample Kg	0.123

Stage 1

Volume of Leachant L2	0.239
Volume of Eluate VE1	0.204

Stage 2

Volume of Leachant L8	0.983
Volume of Eluate VE2	0.92

Disclaimer: *The WAC limit values are provided for guidance only. DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.*

Information in Support of the Analytical Results

Our Ref 17-06030
Client Ref TD17-P-01-B
Contract (PP O'Connor) Wrexham

Containers Received & Deviating Samples

Lab No	Sample ID	Date Sampled	Containers Received	Holding time exceeded for tests	Inappropriate container for tests
1208232	Lab 17/1119- 21/07/17 SOIL	21/07/17	GJ 250ml, PT 1L		
1208233	Lab 17/1119- 21/07/17 SOIL	21/07/17	GJ 250ml, PT 1L		
1208234	Lab 17/1119- 21/07/17 SOIL	21/07/17	GJ 250ml, PT 1L		

Key: G-Glass P-Plastic J-Jar T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

Register as a waste carrier

Cymraeg (https://www.gov.uk/cy/registrations/55d20407e4b04fdfb2952aa8/print)

Clwyd Transport Services Ltd. is registered as an upper tier tier waste carrier, broker or dealer with Natural Resources Wales.

Business or organisation details

David Paul Jones
Clwyd House
Blackwood Business Park
Ash Road South
Wrexham
LL13 9UG

Registration details

This is proof of your registration

Contact name: David Paul Jones

Telephone number: 01978 660022

Your registration number is: CBDU3337

Registered on: Monday 17th August 2015

Your registration will last 3 years and will need to be renewed after this period. If any of your details change, you must notify us within 28 days of the change.

You can do this by going to the website https://www.wastecarriersregistration.naturalresourceswales.gov.uk/en/users/sign_in (https://www.wastecarriersregistration.naturalresourceswales.gov.uk/en/users/sign_in) and logging in using your email and password.

Upper tier registration

You are registered as a upper tier waste carrier, broker or dealer under The Waste (England and Wales) Regulations 2011 because you have declared that you meet one of the following criteria:

You deal with waste from other businesses or households

You supply a waste disposal service

You transport construction or demolition waste

Legal responsibilities for waste

If you produce, carry, import, keep, treat or dispose of waste, or manage it for other people, you have a legal 'duty of care' for that waste. The duty of care aims to protect the environment and human health. There are some simple rules you must follow:

If you give your waste to another person or business you must check they are properly authorised to accept it, e.g. as a permitted site or a registered waste carrier

Make sure the correct documentation is completed for each transfer of waste and that it correctly describes the waste

Make sure any waste is safely handled and stored

Minimise the environmental impact of waste by prioritising waste prevention, re-use, recycling and recovery over disposal. This is known as applying the 'waste hierarchy'

Please contact Natural Resources Wales if you have any enquiries.

Telephone: 03000 653000

Email: enquiries@naturalresourceswales.gov.uk

Back
(https://www.wastecarriersregistration.naturalresourceswales.gov.uk/en/user/55d204026e727725fd000000/registrations)

creating a better place

Environment Agency

The Company Director and/or Secretary
Biffa Waste Services Limited
Coronation Road
Cressex
High Wycombe
Buckinghamshire
HP12 3TZ

Date: 24/04/2017

Dear Sir or Madam

Issue of Environment Agency initiated variation of your permit

Permit reference: EPR/BV4967IW/V012
Operator name: Biffa Waste Services Limited
Facility name: Meece 1 Landfill, Swynnerton, Cold Meece, Stone, Staffordshire, ST15 0QN

We have decided to vary your permit as discussed with you. We are satisfied that operations can continue in accordance with the variation without harm to the environment or human health. The variation takes effect from 18/04/2017. I enclose a notice showing the changes we have made. Please keep this in a safe place with your other permit records.

This letter contains web links to other documents. If you are not able to access these phone our Customer Contact Centre for help on 03708 506 506.

If you are not familiar with our guidance on how to comply with your permit please look at the following guides:

www.gov.uk/guidance/develop-a-management-system-environmental-permits

www.gov.uk/guidance/control-and-monitor-emissions-for-your-environmental-permit

www.gov.uk/guidance/legal-operator-and-competence-requirements-environmental-permits

Please look at the table below and note any of the information or actions that apply to your permit.

If...	then...
the variation means you are now carrying out a waste operation or activity and need to submit quarterly waste returns on waste movements **Note** This does not apply to permits that only have stand alone water discharge or groundwater activities.	you can get the forms you need from our website https://www.gov.uk/government/collections/national-operator-waste-returns If you do not have web access phone our Customer Contact Centre
you need to submit other returns	send these to your area office. Speak to your area officer to check local arrangements.
your variation has added an installation to your permit for the first time	We have enclosed the pollution inventory letter, notice and fact sheet

Rights of appeal

If you are not happy with any permit condition that has been imposed by the variation you may appeal to the Secretary of State. You must make your appeal no later than two months after the date of the notice.

Further information about making an appeal and the forms you will need are available from the Planning Inspectorate website or from the contact details below. .

Environment Appeals, Enforcement and Specialist case work division, The Planning Inspectorate, 3/25 Hawk Wing, Temple Quay House, 2 The Square, Temple Quay, Bristol, BS1 6PN. Phone: 0303 444 5584

You must send written notice of the appeal and the documents listed below to the Secretary of State to the Planning Inspectorate address above. At the same time you must send us a copy of the notice and documents to

Victoria Douglass, Appeals Coordinator, Environment Agency, National Permitting Service, Knutsford Road, Latchford, Warrington, WA4 1HG.
Phone: 01925 542456
Email : victoria.douglass@environment-agency.gov.uk

The documents are:

- a statement of the grounds of appeal
- a copy of any relevant application
- a copy of any relevant environmental permit
- a copy of any relevant correspondence between the appellant and the regulator
- a copy of any decision or notice which is the subject matter of the appeal, and
- a statement indicating whether you wish the appeal to be in the form of a hearing or dealt with by way of written representations.

You may withdraw an appeal by notifying the Secretary of State in writing and sending a copy of that notification to us.

If you have any questions about this permit please phone our Customer Contact Centre on 03708 506 506. They will put you in touch with a local regulatory officer.

Yours sincerely



Zoe Bingley
Permitting Support Advisor

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Biffa Waste Services Limited

Meece 1 Landfill
Swynnerton
Cold Meece
Stone
Staffordshire
ST15 0QN

Variation application number

EPR/BV4967IW/V012

Permit number

EPR/BV4967IW

Meece 1 Landfill
Permit number EPR/BV4967IW

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. Only the variations specified in schedule 1 are subject to a right of appeal.

The Environment Agency initiated variation is to re-instate waste codes 19 02 05 & 19 02 06 for the soil treatment plant and waste code 19 13 02 for restoration, which were erroneously removed in variation EPR/BV4967IW/V011.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	**Date**	**Comments**
Application EPR/BV4967IW/A001	Received 29/09/03	
Response to a request for information	Request dated 24/10/03	Part response by email dated 03/11/03
Response to a request for information	Request by email dated 10/03/04	Response dated 19/03/04 .
Response to a request for information	Request dated 05/05/04	Response dated 18/08/04
Permit determined EPR/BV4967IW	29/04/05	Permit Issued to Biffa Waste Services Limited
Agency initiated variation determined EPR/BV4967IW/V002 (billing reference QP3331LR)	26/04/10	Updated the permit template
Application EPR/BV4967IW/0003	Duly Made 05/03/12	

Status log of the permit		
Description	**Date**	**Comments**
Response to a request for further information (schedule 5)	Received 15/05/12	Application to add soil treatment facility
Response to a request for further information (Schedule 5)	Received 21/06/12	
Variation determined EPR/BV4967IW/V003	Received 26/06/12	Addition of a list activity to treat soils at the soil treatment facility
Variation application EPR/BV4967IW/V004	Received 30/01/13	
Variation application withdrawn EPR/BV4967IW/004		
Variation application EPR/BV4967IW/V005	Received 07/08/13	
Variation application withdrawn	14/08/13	
Variation application EPR/BV4967IW/V006	Duly made 11/10/13	
Variation determined ERP/BV4967IW/V006	19/11/13	Application to add EWC code 20 03 03
Variation application determined EPR/BV4967IW/V007	06/03/15	Application to add the EWC code 19 12 12
Variation application EPR/BV4967IW/V008	Duly made 15/12/14	Varied permit issued
Variation determined EPR/BV4967IW/V008 (Billing ref: HP3036ZM)	11/03/15	Application to correct the description of listed activities in line with the Industrial Emissions Directive.
Application EPR/BV4967IW/V009	Duly made 23/04/15	Varied permit issued
Variation determined EPR/BV4967IW/V009	04/06/2015	Application to add the EWC codes 01 04 07* and 01 04 08. Varied permit issued
Variation determined EPR/BV4967IW/V010 (Billing: DP3231AW)	07/09/2015	Application to both increase and clarify annual waste throughput limits for the soil treatment facility
Environment Agency Landfill Sector Review Permit reviewed Variation determined EPR/BV4967IW/V011 Permit EPR/BV4967IW	16/03/16	Varied and consolidated permit issued in modern condition format and IED NPA variation.

Status log of the permit		
Description	**Date**	**Comments**
(Billing ref: YP3539RU)		
Environment Agency initiated Variation determined EPR/BV4967IW/V012 (Billing ref: EP3134YJ)	18/04/2017	Varied and consolidated permit to include waste codes 19 02 05 & 19 02 06 for the soil treatment plant and waste code 19 13 02 for restoration

Other Part A installation permits relating to this installation		
Operator	**Permit number**	**Date of issue**
Biffa Waste Services Limited	EPR/BW0096IJ	22/12/04
Infinis (Re-Gen) Limited	EPR/BW1157IQ	29/04/05

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

Permit number

EPR/BV4967IW

Issued to

Biffa Waste Services Limited ("the operator")

whose registered office is

Coronation Road
Cressex
High Wycombe
Buckinghamshire
HP12 3TZ

company registration number 00946107

to operate a regulated facility at

Meece 1 Landfill
Swynnerton
Cold Meece
Stone
Staffordshire
ST15 0QN

to the extent set out in the schedules.

The notice shall take effect from 18/04/2017

Name	Date
Philip Lamb	**18/04/2017**

Authorised on behalf of the Environment Agency

Schedule 1

Tables S2.2 and S2.3 have been amended as a result of an Environment Agency initiated variation.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BV4967IW

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BV4967IW/V012 authorising,

Biffa Waste Services Limited ("the operator"),

whose registered office is

Coronation Road
Cressex
High Wycombe
Buckinghamshire
HP12 3TZ

company registration number 00946107

to operate an installation at

Meece 1 Landfill
Swynnerton
Cold Meece
Stone
Staffordshire
ST15 0QN

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Philip Lamb	**18/04/2017**

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

(a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances and those drawn to the attention of the operator as a result of complaints; and

(b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Finance

1.2.1 The financial provision for meeting the obligations under this permit set out in the agreement made between the operator and the Environment Agency dated 29 April 2005 (as may be varied by a Deed of Variation from time to time) shall be maintained by the operator throughout the subsistence of this permit and the operator shall produce evidence of such provision whenever required by the Environment Agency.

1.2.2 The operator shall ensure that the charges it makes for the disposal of waste in the landfill cover all of the following:

(a) the costs of setting up and operating the landfill;

(b) the costs of the financial provision required by condition 1.2.1; and

(c) the estimated costs for the closure and aftercare of the landfill.

1.3 Energy efficiency

1.3.1 The operator shall:

(a) take appropriate measures to ensure that energy is used efficiently in the activities;

(b) Review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and

(c) Implement any appropriate measures identified by a review.

1.4 Multiple operator installations

1.4.1 Where the operator notifies the Environment Agency under condition 4.3.1 (a) or 4.3.1 (c), the operator shall also notify without delay the other operator(s) of the installation of the same information.

1.5 Efficient use of raw materials

1.5.1 The operator shall:

(a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;

(b) maintain records of raw materials and water used in the activities;

(c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and

(d) take any further appropriate measures identified by a review.

1.6 Avoidance, recovery and disposal of wastes produced by the activities

1.6.1 The operator shall:

(a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;

(b) review and record at least every four years whether changes to those measures should be made; and

(c) take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in blue on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan , and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.4 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

2.5 Landfill Engineering

2.5.1 No construction of any new cell of the landfill shall commence until the operator has submitted construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.

2.5.2 Where the operator proposes to construct any new cell other than the first cell, but proposes no change from the design of the most recently approved cell which could have any impact on the performance of any element of the design, no construction of the new cell shall commence until the operator has submitted a cell layout drawing and the Environment Agency has confirmed that it is satisfied with the cell layout drawing.

2.5.3 The construction of a new cell shall take place only in accordance with the approved construction proposals unless:

(a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or

(b) a change has otherwise been agreed in writing by the Environment Agency.

2.5.4 No disposal of waste shall take place in a new cell until the operator has submitted a CQA Validation Report and the Environment Agency has confirmed that it is satisfied with the CQA Validation Report.

2.5.5 No construction of landfill infrastructure shall commence until the operator has submitted relevant construction proposals or a written request to use previous construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.

2.5.6 The construction of the landfill infrastructure shall take place only in accordance with the approved construction proposals unless:

(a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or

(b) a change has otherwise been agreed in writing by the Environment Agency.

2.5.7 The operator shall submit a CQA Validation Report as soon as practicable following the construction of the relevant landfill infrastructure.

2.5.8 Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.5.5 and 2.5.6 do not apply and the relevant landfill infrastructure may be constructed, provided that the construction proposals are submitted to the Environment Agency as soon as practicable.

2.5.9 For the purposes of conditions 2.5.1, 2.5.2, 2.5.4 and 2.5.5, the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the relevant construction proposals or CQA Validation Report, either:

(a) confirmed whether or not it is satisfied; or

(b) informed the operator that it requires further information.

2.5.10 Where the Environment Agency has required further information under condition 2.5.9(b), the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the further information, either:

(a) confirmed whether or not it is satisfied; or

(b) informed the operator that it requires further information.

2.6 Waste acceptance

2.6.1 Wastes shall only be accepted for disposal if:

(a) they are listed in schedule 2, table S2.1 and

(b) they are non- hazardous waste and

(c) they are not whole used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm), and

(d) they are not shredded used tyres, and

(e) they are not liquid waste (including waste waters but excluding sludge), and

(f) they are not chemical substances from research and development or teaching activities, for example laboratory residues, which are unidentified and/or which are new and whose effects on man and/or the environment are unknown, and

(g) all the relevant waste acceptance procedures have been completed, and

(h) they fulfil the relevant waste acceptance criteria, and

(i) they have not been diluted or mixed solely to meet the relevant waste acceptance criteria, and

(j) they are wastes which have been treated, except for: inert wastes for which treatment is not technically feasible; or it is waste other than inert waste and treatment would not reduce its quantity or the hazards which it poses to human health or the environment, and

(k) they are wastes with a code beginning with 07 05 and 16 03, they shall exclude waste medicinal products and pharmaceutically active waste materials arising from their manufacture.

2.6.2 For the following activities referenced in schedule 1, table S1.1 (A2 to A5 and A12) waste shall only be accepted for treatment if:

(a) it is of a type and quantity listed in schedule 2, table S2.3; and

(b) it conforms to the description in the documentation supplied by the producer and holder.

2.6.3 Wastes shall only be accepted for restoration where:

(a) they are listed in schedule 2, table S2.2 and

(b) they are accepted in accordance with a restoration plan approved in writing by the Environment Agency

2.6.4 For the following activities referenced in schedule 1, table S1.1 (A1) the operator shall:

(a) visually inspect without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the landfill and waste at the point of deposit; and

(b) be satisfied that the waste conforms to the requirements of condition 2.6.1.

2.6.5 Where the operator has taken samples to establish that the waste is in conformity with the documentation submitted by the holder then the samples taken shall be retained for at least one month and results of any analysis for at least two years.

2.6.6 The operator on accepting each delivery of waste shall provide a receipt to the person delivering it.

2.6.7 The total quantity of waste that shall be deposited or recovered in the landfill shall be limited by the pre-settlement levels shown on drawing 5220595r1 dated 18th August 2004.

2.6.8 The quantity of waste that is deposited or recovered in the landfill in any year shall not exceed the limits in schedule 1 table S1.4.

2.6.9 The operator shall maintain and implement a system which ensures that a record is made of the quantity, characteristics, date of delivery and, where practicable, origin of any waste that is received for disposal or recovery and of the identity of the producer, or in the case of municipal waste and

multiple collection vehicles, of the collector of such waste. Any information regarded by the operator as commercially confidential shall be clearly identified in the record.

2.7 Leachate levels

2.7.1 The limits for the level of leachate listed in schedule 3 table S3.1 shall not be exceeded.

2.8 Closure and aftercare

2.8.1 The operator shall maintain a closure and aftercare management plan.

2.9 Landfill gas management

2.9.1 The operator shall take appropriate measures, including, but not limited to, those specified in any approved landfill gas management plan, to:

(a) collect landfill gas; and

(b) control the migration of landfill gas.

2.9.2 The operator shall use the collected landfill gas to produce energy. If the collected landfill gas cannot be used to produce energy, the operator shall use appropriate measures to flare or treat the gas in accordance with an approved landfill gas management plan.

2.9.3 The operator shall:

(a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a revised landfill gas management plan;

(b) implement the revised landfill gas management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 The limits in Schedule 3 shall not be exceeded.

3.1.2 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 table S3.2.

3.1.3 The operator shall prevent the input of any hazardous substances from the activities into groundwater.

3.1.4 The operator shall submit to the Environment Agency a review of the Hydrogeological Risk Assessment:

(a) between nine and six months prior to the fourth anniversary of the granting of the permit, and

(b) between nine and six months prior to every subsequent six years after the fourth anniversary of the granting of the permit.

3.1.5 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including,

but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;

(b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.3.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;

(b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.4.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring and any other actions specified in the following tables in schedule 3 to this permit:

(a) Leachate specified in tables S3.1 and S3.9;

(b) Point source emissions specified in tables S3.2;

(c) Groundwater specified in tables S3.3 and S3.7;

(d) Landfill gas specified in tables S3.4, S3.6 and S3.8;

(e) Surface water specified in table S3.10; and

(f) Particulate matter specified in table S3.5.

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 A topographical survey of the site referenced to ordnance datum shall be carried out and shall be used to produce a plan of a scale adequate to show the surveyed features of the site:

(a) annually, and

(b) prior to the disposal of waste in any new cell or new development area of the landfill, and

(c) following closure of the landfill or part of the landfill.

3.6 Pests

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

(a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution hazard or annoyance from pests;

(b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

(a) be legible;

(b) be made as soon as reasonably practicable;

(c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and

(d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:

(i) the results of groundwater monitoring;

(ii) sub-surface landfill gas monitoring;

(iii) leachate levels, quality and quantities;

(iv) landfill gas generation and collection;

(v) waste types and quantities;

(vi) the specification and as built drawings of the basal, sidewall and capping engineering systems.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year ('the annual report') shall be submitted to the Environment Agency by 31st January each year or such other date as may be agreed in writing by the Agency, with the exception of 4.2.2(c) that must be provided by the end of February each year. The report(s) shall include as a minimum:

(a) a review of the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the risk assessments submitted in relation to this installation and any agreed amendments thereto. The review will include written descriptions of the improvements made to operational performance during the year, action plans developed and planned improvements for the coming year;

(b) the energy consumed at the site, reported in the format set out in schedule 4 table S4.3

(c) the annual production/treatment set out in schedule 4 table S4.2;

(d) the topographical surveys required by condition 3.5.3 other than those submitted as part of a CQA validation report;

(e) the volumetric difference (reported in cubic metres) between the most recent topographical survey and the previous annual topographical survey i.e. the additional volume of the landfill void that is occupied by waste;

(f) an assessment of the settlement behaviour of the landfill body based on the difference between the most recent topographical survey and previous annual topographical survey for the areas of the landfill which did not receive waste between the surveys;

(g) a calculation of the remaining capacity (reported in cubic metres) derived from the pre-settlement contours and the most recent topographical survey;

(h) a plan(s) ('the monitoring and extraction point plan – MEPP') showing the locations of leachate and landfill gas extraction and all monitoring points.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

(a) in respect of the parameters and emission points specified in schedule 4 table S4.1;

(b) using the forms specified in schedule 4 table S4.4 or other reporting format as agreed in writing with the Environment Agency; and

(c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.2.5 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

4.3.1 (a) In the event that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—

(i) inform the Environment Agency,

(ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and

(iii) take the measures necessary to prevent further possible incidents or accidents;

(b) in the event of a breach of any permit condition the operator must immediately—

(i) inform the Environment Agency, and

(ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;

(c) in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

(a) any change in the operator's trading name, registered name or registered office address; and

(b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

(a) any change in the operator's name or address; and

(b) any steps taken with a view to the dissolution of the operator.

In any other case:

(a) the death of any of the named operators (where the operator consists of more than one named individual);

(b) any change in the operator's name(s) or address(es); and

(c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.4 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

(a) the Environment Agency shall be notified at least 14 days before making the change; and

(b) the notification shall contain a description of the proposed change in operation.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities				
Activity reference	**WFD Annex I and II operations (where applicable)**	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
A1	D5 –Specially engineered landfill; R5 - the recycling or reclamation of inorganic material and R10 – Land treatment resulting in benefit to agriculture or ecology	Section 5.2 Part A(1) (a), The disposal of waste in a landfill.	Landfill for non-hazardous waste and landfill restoration	Receipt, handling, storage and disposal of wastes, consisting of the types and quantities specified in conditions 2.6, as an integral part of landfilling.
A2	R5 - Recycling/reclamation of other inorganic materials	Section 5.3 Part A(1) (a)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving: (vi) recycling or reclamation of inorganic materials other than metals or metal compounds	Receipt, handling, storage and treatment of hazardous wastes, consisting of the types and quantities specified.
A3	R5 - Recycling/reclamation of other inorganic materials	Section 5.3 Part A(1) (a)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving: (iii) blending or mixing prior to submission to any of the other activities listed in this section or in section 5.1	Blending or mixing of materials for the purpose of soil recovery. Receipt handling and treatment of hazardous wastes, consisting of the types and quantities specified.

Table S1.1 activities				
Activity reference	**WFD Annex I and II operations (where applicable)**	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
A4	R5 - Recycling/reclamation of other inorganic materials	Section 5.4 Part A(1) (b)	Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving: (i) biological treatment	Biological treatment of materials for the purpose of soil recovery. Receipt, handling and treatment of non-hazardous wastes, consisting of the types and quantities specified.
A5	R13 Temporary storage of wastes pending any other recovery operation (excluding temporary storage, pending collection, on site where it is produced) D15 Temporary storage of waste pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the sites where it is produced).	Section 5.6 Part A(1) (a)	Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in sections 5.1, 5.2, 5.3.	Receipt and storage of hazardous waste prior to treatment consisting of the types and quantities. All storage must take place on an impermeable surface with sealed drainage.
Directly Associated Activities				
A6	N/A	Leachate management	Temporary storage of waste (leachate)	Leachate arising from the landfill.
A7	N/A	Process water management	Storage of process water from STF	Process water arising from the intercepted drainage system of the STF pads

Table S1.1 activities				
Activity reference	**WFD Annex I and II operations (where applicable)**	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
A8	N/A	Landfill gas management	Collection of landfill gas for flaring and/or utilisation of the landfill gas for energy recovery controlled under PPC permit BW1157IQ	Landfill gas arising from the permitted landfill
A9	D6 – release to water body except seas/ oceans	Water discharge to controlled waters	Discharges of site drainage from the landfill and STF.	From surface water management system to point of entry to controlled waters.
A10	N/A		Storage of fuel for operation of plant and equipment.	Fuel storage tank.
A11	N/A	Air abatement	Treatment of air through biofilter	Air arising from STF treatment biopiles
A12	R13 Temporary storage of wastes pending any other recovery operation (excluding temporary storage, pending collection, on site where it is produced)	Non Hazardous waste storage	Storage of non-hazardous waste prior to biological treatment	Wastes received for biological treatment under section 5.4 Part A(1)(b). Non-hazardous wastes consisting of the types and quantities specified in schedule 2, table S2.3.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	The response to questions 1.2, 2.1, 2.2, 2.3, 2.4 and 2.5 in part B of the Application Form excluding sections: Plans ESID4,5,6,7B,9 and Table HRA 41 Figure HRA 6	29/09/03
Application	Appendix 1- Permitted wastes, Deposit and Emplacement	September 2003
Response to Schedule 4 Notice dated 18/08/05	All sections including replacement plans for ESID 4,5,6,7B and 9, Table HRA 41, Figure HRA 6 Excluding response to Question 16 (leachate levels)	18/08/04

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Response to Improvement Condition 3	Document in response to Schedule 1 Notice 5/5/2009	05/05/2009
Response to Improvement Condition 4	HRA Nov 2008	
Response to Improvement Condition 5	HRA Nov 2008	
Response to Improvement Condition 6	Document submission dated 27/10/2005 and HRA review dated Nov 2008	
Response to Improvement Condition 7	The report was contained within the CQA submission for Phase 7, I confirm that the CQA for Phase 7 was agreed	Response to Improvement Condition 7
Response to Improvement Condition 8	HRA Nov 2008	
Response to Improvement Condition 9	HRA Nov 2008	
Response to Improvement Condition 10	Document Title – submitted 27/10/05	
Response to Improvement Condition 11	Provided by holders of INFINIS permit	
Further information submitted	Revised ESID 5 and ESID 6	
Application to vary permit EPR/BV4967IW/V003	Response to questions 2b, 3b, 3d, 5a and 6 in Part C2 of the Application Form. Response to questions 1, 2, 3, 3b, 3c, 4, 4b, 5, 6d and Appendix 5 in Part C3 of the Application Form.	05/03/2012
Response to Schedule 5 Notice dated 23/04/2012	All sections.	15/05/2012

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
1	The operator shall submit to the Environment Agency in writing for approval a restoration plan for the site which includes waste quantities for wastes for restoration (2.7.3).	3 months from the date of issue of the variation.

Table S1.4 Annual waste input limits	
Category	**Limit Tonnes/ Year**
Non-hazardous waste	300,000
Waste for restoration	To be agreed in accordance with IC1, table 1.3

Schedule 2 – List of permitted wastes

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals**
01 01	**wastes from mineral excavation**
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	**wastes from physical and chemical processing of metalliferous minerals**
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 08	dusty and powdery wastes other than those mentioned in 01 03 07
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 10
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 10	dusty and powdery wastes other than those mentioned in 01 04 07
01 04 11	wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05	**drilling muds and other drilling wastes**
01 05 04	freshwater drilling muds and wastes
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
02	**Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing**
02 01	**wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing**
02 01 01	sludges from washing and cleaning

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
02 01 02	animal-tissue waste
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 01 07	wastes from forestry
02 01 09	agrochemical waste other than those mentioned in 02 01 08
02 01 10	waste metal
02 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**
02 02 01	sludges from washing and cleaning
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-site effluent treatment
02 03	**wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation**
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	wastes from preserving agents
02 03 03	wastes from solvent extraction
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04	**wastes from sugar processing**
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
02 04 03	sludges from on-site effluent treatment
02 05	**wastes from the dairy products industry**
02 05 01	materials unsuitable for consumption or processing

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
02 05 02	sludges from on-site effluent treatment
02 06	**wastes from the baking and confectionery industry**
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 06 03	sludges from on-site effluent treatment
02 07	**wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 03	wastes from chemical treatment
02 07 04	materials unsuitable for consumption or processing
02 07 05	sludges from on-site effluent treatment
03	**Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard**
03 01	**wastes from wood processing and the production of panels and furniture**
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	**wastes from pulp, paper and cardboard production and processing**
03 03 01	waste bark and wood
03 03 02	green liquor sludge (from recovery of cooking liquor)
03 03 05	de-inking sludges from paper recycling
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling
03 03 09	lime mud waste
03 03 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
04	**Wastes from the leather, fur and textile industries**
04 01	**wastes from the leather and fur industry**
04 01 01	fleshings and lime split wastes
04 01 02	liming waste
04 01 06	sludges, in particular from on-site effluent treatment containing chromium
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	**wastes from the textile industry**
04 02 09	wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10	organic matter from natural products (for example grease, wax)
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
05	**Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal**
05 01	**wastes from petroleum refining**
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 01 16	sulphur-containing wastes from petroleum desulphurisation
05 01 17	bitumen
05 06	**wastes from the pyrolytic treatment of coal**
05 06 04	waste from cooling columns

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
05 07	**wastes from natural gas purification and transportation**
05 07 02	wastes containing sulphur
06	**Wastes from inorganic chemical processes**
06 03	**wastes from the MFSU of salts and their solutions and metallic oxides**
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 03 16	metallic oxides other than those mentioned in 06 03 15
06 05	**sludges from on-site effluent treatment**
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
06 06	**wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes**
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
06 09	**wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes**
06 09 02	phosphorous slag
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 11	**wastes from the manufacture of inorganic pigments and opacificiers**
06 11 01	calcium-based reaction wastes from titanium dioxide production
06 13	**wastes from inorganic chemical processes not otherwise specified**
06 13 03	carbon black
07	**Wastes from organic chemical processes**
07 01	**wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals**
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 02	**wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 13	waste plastic
07 02 15	wastes from additives other than those mentioned in 07 02 14

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
07 02 17	waste containing silicones other than those mentioned in 07 02 16
07 03	**wastes from the MFSU of organic dyes and pigments (except 06 11)**
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04	**wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides**
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 05	**wastes from the MFSU of pharmaceuticals**
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 05 14	solid wastes other than those mentioned in 07 05 13
07 06	**wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics**
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07	**wastes from the MFSU of fine chemicals and chemical products not otherwise specified**
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11
08	**Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks**
08 01	**wastes from MFSU and removal of paint and varnish**
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 02	**wastes from MFSU of other coatings (including ceramic materials)**
08 02 01	waste coating powders
08 02 02	aqueous sludges containing ceramic materials
08 03	**wastes from MFSU of printing inks**
08 03 07	aqueous sludges containing ink

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
08 03 13	waste ink other than those mentioned in 08 03 12
08 03 15	ink sludges other than those mentioned in 08 03 14
08 03 18	waste printing toner other than those mentioned in 08 03 17
08 04	**wastes from MFSU of adhesives and sealants (including water proofing products)**
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
09	**Wastes from the photographic industry**
09 01	**wastes from the photographic industry**
09 01 07	photographic film and paper containing silver or silver compounds
09 01 08	photographic film and paper free of silver or silver compounds
09 01 10	single-use cameras without batteries
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
10	**Wastes from thermal processes**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	coal fly ash
10 01 03	fly ash from peat and untreated wood
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 17	fly ash from co-incineration other than those mentioned in 10 01 16
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24	sands from fluidised beds
10 01 26	wastes from cooling-water treatment
10 02	**wastes from the iron and steel industry**
10 02 01	wastes from the processing of slag
10 02 02	unprocessed slag
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	**wastes from aluminium thermal metallurgy**
10 03 02	anode scraps
10 03 05	waste alumina
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 04	**wastes from lead thermal metallurgy**
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05	**wastes from zinc thermal metallurgy**

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
10 05 01	slags from primary and secondary production
10 05 04	other particulates and dust
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06	**wastes from copper thermal metallurgy**
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 04	other particulates and dust
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07	**wastes from silver, gold and platinum thermal metallurgy**
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 04	other particulates and dust
10 07 05	sludges and filter cakes from gas treatment
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	**wastes from other non-ferrous thermal metallurgy**
10 08 04	particulates and dust
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
10 09	**wastes from casting of ferrous pieces**
10 09 03	furnace slag
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 10	flue-gas dust other than those mentioned in 10 09 09
10 09 12	other particulates other than those mentioned in 10 09 11
10 09 14	waste binders other than those mentioned in 10 09 13
10 10	**wastes from casting of non-ferrous pieces**
10 10 03	furnace slag
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 10	flue-gas dust other than those mentioned in 10 10 09
10 10 12	other particulates other than those mentioned in 10 10 11
10 10 14	waste binders other than those mentioned in 10 10 13
10 11	**wastes from manufacture of glass and glass products**
10 11 03	waste glass-based fibrous materials
10 11 05	particulates and dust
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
10 12	**wastes from manufacture of ceramic goods, bricks, tiles and construction products**
10 12 01	waste preparation mixture before thermal processing

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
10 12 03	particulates and dust
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 12 13	sludge from on-site effluent treatment
10 13	**wastes from manufacture of cement, lime and plaster and articles and products made from them**
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 06	particulates and dust (except 10 13 12 and 10 13 13)
10 13 07	sludges and filter cakes from gas treatment
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete and concrete sludge
11	**Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy**
11 01	**wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)**
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 02	**wastes from non-ferrous hydrometallurgical processes**
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 05	**wastes from hot galvanising processes**

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
11 05 01	hard zinc
11 05 02	zinc ash
12	**Wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 01	ferrous metal filings and turnings
12 01 02	ferrous metal dust and particles
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
12 01 05	plastics shavings and turnings
12 01 13	welding wastes
12 01 15	machining sludges other than those mentioned in 12 01 14
15	**Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 02	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	**Wastes not otherwise specified in the list**
16 01	**end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
16 01 12	brake pads other than those mentioned in 16 01 11
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	plastic
16 01 20	glass
16 02	**wastes from electrical and electronic equipment**
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	**off-specification batches and unused products**
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 08	**spent catalysts**
16 08 01	spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
16 08 03	spent catalysts containing transition metals or transition metal compounds not otherwise specified
16 11	**waste linings and refractories**
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
17	**Construction and demolition wastes (including excavated soil from contaminated sites)**
17 01	**concrete, bricks, tiles and ceramics**
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
17 02	**wood, glass and plastic**
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 03	**bituminous mixtures, coal tar and tarred products**
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	**metals (including their alloys)**
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	**insulation materials and asbestos-containing construction materials**
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 09	**other construction and demolition wastes**
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
18	**Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)**

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
18 01	**wastes from natal care, diagnosis, treatment or prevention of disease in humans**
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)
18 02	**wastes from research, diagnosis, treatment or prevention of disease involving animals**
18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection
18 02 06	chemicals other than those mentioned in 18 02 05
19	**Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use**
19 01	**wastes from incineration or pyrolysis of waste**
19 01 02	ferrous materials removed from bottom ash
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 14	fly ash other than those mentioned in 19 01 13
19 01 16	boiler dust other than those mentioned in 19 01 15
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 04	**vitrified waste and wastes from vitrification**
19 04 01	vitrified waste
19 05	**wastes from aerobic treatment of solid wastes**
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
19 06	**wastes from anaerobic treatment of waste**
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 01	screenings
19 08 02	waste from desanding
19 08 05	sludges from treatment of urban waste water
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**
19 09 01	solid waste from primary filtration and screenings
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation
19 09 04	spent activated carbon
19 09 05	saturated or spent ion exchange resins
19 09 06	solutions and sludges from regeneration of ion exchangers
19 10	**wastes from shredding of metal-containing wastes**
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 06	other fractions other than those mentioned in 19 10 05
19 11	**wastes from oil regeneration**
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	**wastes from soil and groundwater remediation**
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 25	edible oil and fat

Table S2.1 Permitted waste types for disposal at a landfill for non-hazardous waste	
Waste code	**Description**
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30	detergents other than those mentioned in 20 01 29
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 40	metals
20 01 41	wastes from chimney sweeping
20 02	**garden and park wastes (including cemetery waste)**
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes
20 03	**other municipal wastes**
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning
20 03 07	bulky waste

Table S2.2 Permitted waste types for restoration	
Waste code	**Description**
01 01	**wastes from mineral excavation**
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
10 12	**wastes from manufacture of ceramic goods, bricks, tiles and construction products**
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
17 01	**concrete, bricks, tiles and ceramics**
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 04	soil and stones other than those mentioned in 17 05 03
17 09	**other construction and demolition wastes**
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19 05	**Wastes from aerobic treatment of solid waste**
19 05 03	off-specification compost
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 05	sludges from treatment of urban waste water
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**

Table S2.2 Permitted waste types for restoration	
Waste code	**Description**
19 12 09	minerals (for example sand, stones)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	**wastes from soil and groundwater remediation**
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20 02	**Garden and parks waste (including cemetery waste)**
20 02 02	soil and stones

Table S2.3 Permitted wastes for treatment in soil treatment facility **Limited to 59,999 tonnes of hazardous waste, 20,000 tonnes of non-hazardous waste and 5000 tonnes of green waste – with a total of 59,999 tonne per year.**	
Waste code	**Description**
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 07*	wastes containing hazardous substances from physical and chemical processing of non-metalliferous minerals
01 04 08	Waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	Waste sand and clays
01 05	drilling muds and other drilling wastes
01 05 04	Freshwater drilling muds and wastes
01 05 05*	Oil-containing drilling muds and wastes
01 05 06*	Drilling muds and other drilling wastes containing hazardous substances
05	Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal
05 01	wastes from petroleum refining
05 01 03*	Tank bottom sludges

Table S2.3 Permitted wastes for treatment in soil treatment facility Limited to 59,999 tonnes of hazardous waste, 20,000 tonnes of non-hazardous waste and 5000 tonnes of green waste – with a total of 59,999 tonne per year.	
Waste code	**Description**
05 01 05*	Oil spills
05 01 06*	Oily sludges from maintenance operations of the plant or equipment
05 01 09*	Sludges from on-site effluent treatment containing hazardous substances
05 01 10	Sludges from on-site effluent treatment other than those mentioned in 05 01 09*
13	Oil wastes and wastes of liquid fuels
13 05	oil/water separator contents
13 05 01*	Solids from grit chambers and oil/water separators
13 05 02*	Sludges from oil/water separators
13 05 03*	Interceptor sludges
13 05 08*	Mixtures of wastes from grit chambers and oil/water separators
16	Wastes not otherwise specified in the list
16 07	wastes from transport tank, storage tank sand barrel cleaning (except 05 and 13)
16 07 08*	Wastes containing oil
16 07 09*	Wastes containing other hazardous substances
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 05	soil (included excavated soil from contaminated sites), stones and dredging spoils
17 05 03*	Soil and stones containing hazardous substances
17 05 04	Soil and stones other than those mentioned in 17 05 03
17 05 05*	Dredging spoil containing hazardous substances
17 05 06	Dredging spoil other than those mentioned in 17 05 05
17 05 07*	Track ballast containing hazardous substances
17 05 08	Track ballast other than those mentioned in 17 05 07

Table S2.3 Permitted wastes for treatment in soil treatment facility Limited to 59,999 tonnes of hazardous waste, 20,000 tonnes of non-hazardous waste and 5000 tonnes of green waste – with a total of 59,999 tonne per year.	
Waste code	**Description**
19	Waste from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	Premixed waste composed only of non-hazardous wastes
19 02 04*	Premixed waste composed of at least one hazardous waste
19 02 05*	Sludges from physico/chemical treatment containing hazardous substances
19 02 06	Sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 11*	Other wastes containing hazardous substances (wastes containing hazardous materials suitable for treatment at the STF)
19 02 99	Wastes not otherwise specified (wastes containing non-hazardous materials suitable for treatment at the STF)
19 03	stabilised/solidified wastes
19 03 04*	Wastes marked as hazardous, partly stabilised other than 19 03 08*
19 03 05	Stabilised wastes other than those mentioned in 19 03 04
19 03 06*	Wastes marked as hazardous, solidified
19 03 07	Solidified wastes other than those mentioned in 19 03 06
19 05	wastes from aerobic treatment of wastes
19 05 03	Off specification compost (oversize composted fraction)
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	Screenings
19 08 02	Waste from desanding
19 12	wastes from mechanical treatment of waste (for example sorting, crushing, compacting and pelletising) not otherwise specified
19 12 07	Wood other than that mentioned in 19 12 06*
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	wastes from soil and groundwater remediation

Table S2.3 Permitted wastes for treatment in soil treatment facility Limited to 59,999 tonnes of hazardous waste, 20,000 tonnes of non-hazardous waste and 5000 tonnes of green waste – with a total of 59,999 tonne per year.	
Waste code	**Description**
19 13 01*	Solid wastes from soil remediation containing hazardous substances
19 13 02	Solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 03*	Sludges from soil remediation containing hazardous substances
19 13 04	Sludges from soil remediation other than those mentioned in 19 13 03
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 38	Wood other than that mentioned in 20 01 37* (civic amenity waste, cork, pencils, timber – untreated, wood, wood cuttings)
20 02	garden and park wastes (including cemetery wastes)
20 02 01	Biodegradable waste (civic amenity waste, bark, parks and garden waste, trees, trimmings – hedge and tree, wood)
20 03	other municipal wastes
20 03 03	Street-cleaning residues

Schedule 3 – Emissions and monitoring

Table S3.1 Leachate level limits and monitoring requirements			
Monitoring point reference/Description	**Limit**	**Monitoring frequency**	**Monitoring standard and method**
Operational Cells or Phases (Any cells or phases that do not have a final engineered cap agreed in accordance with the landfill engineering condition, 2.5)			
-	-	-	As specified in Environment Agency Guidance TGN02 (February 2003) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Or as otherwise agreed with the Agency as part of a leachate monitoring plan.
Non Operational Cells or Phases (Any cells or phases that have a final engineered cap agreed in accordance with the landfill engineering condition, 2.5)			
All leachate extraction and monitoring points in unlined phases 0, 1, 2, 3 and 13.	1 m above base of cell,	Quarterly	As specified in Environment Agency Guidance TGN02 (February 2003) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Or as otherwise agreed with the Agency as part of a leachate monitoring plan.
All leachate extraction and monitoring points in hydraulically contained cells 4BB, 6(2), 7(2) , 8, 11 and 12(1)	113.5 metres above Ordnance Datum		
Leachate extraction and monitoring points in 4B	114.4 metres above Ordnance Datum.		
(1) Compliance limits and assessment levels have not been set for cells 4A, 5A and 5B as they are cells with only internal boundaries which are not subject to hydraulic containment. (2) The compliance limit does not apply to monitoring points 3214 and 3216 in cells 6 and 7.			

Table S3.2 Point source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point Ref. & Location	**Parameter**	**Source**	**Limit (incl unit)**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
Emission points 2100, 2101, 2102, 2103, 2104 on drawing ESID 5 dated 10.09.03 revision 2.	Oil and grease	Surface water collection system	Non visible	Spot Sample	Weekly	In accordance with Environment Agency document LFTGN02 (enter current version number and issue date) 'Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water' or such other subsequent guidance as may be agreed in writing with the Environment Agency
	Suspended Solids		25 mg/l		Quarterly	
	pH		>6.5 but no greater than 8.5 pH units		Quarterly	
	Ammoniacal - N		0.5 mg/l		Quarterly	
	Chloride		250mg/l		Quarterly	

Table S3.3 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	**Parameter**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
BH1002	Ammoniacal Nitrogen	3 mg/l	Spot Sample	Monthly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	Chloride	1000 mg/l			
	Cadmium	0.001 mg/l		Quarterly	
	2,4 Dimenthylphenol	0.002 mg/l			
	0 Xylene	0.003 mg/l			
BH1003	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	2000 mg/l			
	Cadmium	0.001 mg/l		Quarterly	
	2,4 Dimenthylphenol	0.002 mg/l			
	0 Xylene	0.003 mg/l			
BH1004	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	1500 mg/l			
	Cadmium	0.001 mg/l		Quarterly	
	2,4 Dimenthylphenol	0.002 mg/l			
	0 Xylene	0.003 mg/l			
BH1005	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	250 mg/l			

Table S3.3 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	**Parameter**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
	Cadmium	0.001 mg/l	Spot Sample	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	2,4 Dimenthylphenol	0.002 mg/l			
	0 Xylene	0.003 mg/l			
BH1019	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	250 mg/l			
	Cadmium	0.001 mg/l		Quarterly	
	2,4 Dimenthylphenol	0.002 mg/l			
	0 Xylene	0.003 mg/l			
BH1020	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	250 mg/l			
	Cadmium	0.001 mg/l		Quarterly	
	2,4 Dimenthylphenol	0.002 mg/l			
	0 Xylene	0.003 mg/l			
BH1021*	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	250 mg/l			
	Cadmium	0.001 mg/l		Quarterly	

Table S3.3 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	**Parameter**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
	2,4 Dimenthylphenol	0.002 mg/l	Spot Sample		As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	0 Xylene	0.003 mg/l			
BH1022*	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	250 mg/l			
	Cadmium	0.001 mg/l		Quarterly	
	2,4 Dimenthylphenol	0.002 mg/l			
	0 Xylene	0.003 mg/l			
BH1023*	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	250 mg/l			
	Cadmium	0.001 mg/l		Quarterly	
	2,4 Dimenthylphenol	0.002 mg/l			
	0 Xylene	0.003 mg/l			
BH1024	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	250 mg/l			
	Cadmium	0.001 mg/l		Quarterly	
	2,4 Dimenthylphenol	0.002 mg/l			

Table S3.3 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	**Parameter**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
	0 Xylene	0.003 mg/l	Spot Sample		As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
BH1025	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	250 mg/l			
	Cadmium	0.001 mg/l		Quarterly	
	2,4 Dimenthylphenol	0.002 mg/l			
	0 Xylene	0.003 mg/l			
BH1026	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	250 mg/l			
	Cadmium	0.001 mg/l		Quarterly	
	2,4 Dimenthylphenol	0.002 mg/l			
	0 Xylene	0.003 mg/l			
BH1027	Ammoniacal Nitrogen	3 mg/l		Monthly	
	Chloride	250 mg/l			
	Cadmium	0.001 mg/l		Quarterly	
	2,4 Dimenthylphenol	0.002 mg/l			
	0 Xylene	0.003 mg/l			

Table S3.3 Groundwater – emission limits and monitoring requirements					
Monitoring point reference	**Parameter**	**Limit (including unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
* These boreholes are common to Meece 2 Hazardous Waste landfill.					

Table S3.4 Landfill gas in external monitoring boreholes – limits and monitoring requirements				
Monitoring point Ref. /description	**Parameter**	**Limit (including units)**	**Monitoring frequency**	**Monitoring standard or method**
External monitoring boreholes as shown on ESID 8 dated 10.09 03	Methane	1 %v/v	Monthly	As per LFTGN03 (version 2, June 2014) or such other subsequent guidance as may be agreed in writing with the Environment Agency. Record whether the ground is: waterlogged frozen snow covered
	Carbon Dioxide	2.5 %v/v		
	Oxygen	no limit		
	Atmospheric pressure	no limit		
	Differential Pressure	no limit		

Table S3.5 Particulate matter in ambient air - monitoring requirements					
Monitoring Point Ref. /Description	**Parameter**	**Limit**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
EMP2, EMP4 and EMP6 as shown on	PM10	40μ/m^3 - annual mean. 50μ/m^3 - 24 hour mean, not to be exceeded >35 times per year.	Continuous for 24 hours	Annually	In accordance with Agency Guidance 'M17 - Monitoring of Particulate Matter in ambient air around waste facilities.

Table S3.5 Particulate matter in ambient air - monitoring requirements					
Monitoring Point Ref. /Description	**Parameter**	**Limit**	**Reference Period**	**Monitoring Frequency**	**Monitoring Standard or Method**
drawing ESID5A and detailed in appendix 6 Volume 3 of application.	Deposited particulate	200 mg/m^{-2} day^{-1}	24 hours		

Table S3.6 Landfill gas emissions from capped surfaces for cells that have accepted non-hazardous biodegradable waste – monitoring requirements			
Monitoring point Ref. /description	**Parameter**	**Monitoring frequency**	**Monitoring Standard or method**
Permanently capped zone	Methane concentration	Every 12 months	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Temporarily capped zone	Methane concentration	Every 12 months	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Whole site	Total methane emission	As agreed with the Environment Agency	As per LFTGN 07 (v2 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency.
Uncapped areas	Methane concentration	Every 12 months	As agreed with the Environment Agency based on the wording of revised LFTGN 07 or landfill sector guidance or such other subsequent guidance as may be agreed in writing with the Environment Agency.

Table S3.7 Groundwater – other monitoring requirements			
Monitoring Point Ref./Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**
Up gradient MEPP	Water level, electrical conductivity, chloride, ammoniacal nitrogen, pH,	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011), or such other subsequent guidance as may be agreed in writing with the Environment Agency.
	total alkalinity, magnesium, potassium, total sulphates, calcium, sodium, chromium, copper, iron, lead, nickel, zinc, manganese	Annually	
	Hazardous substances	Annually for first six years of operation	
Down or cross gradient MEPP	Water level, electrical conductivity, chloride, ammoniacal nitrogen, pH,	Quarterly	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003), Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011), or such other subsequent guidance as may be agreed in writing with the Environment Agency. After the initial 6 year monitoring period for hazardous substances, if the results of quarterly or annual monitoring suggest an increase in contamination, the operator shall also undertake a full leachate hazardous substances screen.
	total alkalinity, magnesium, potassium, total sulphates, calcium, sodium, chromium, copper, iron, lead, nickel, zinc, manganese	Annually	
	Hazardous substances detected in leachate	Annually for first six years of operation then every two years	
MEPP	Base of monitoring point (mAoD)	Annually	

Table S3.8 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
In waste gas monitoring boreholes or sealed leachate wells or sacrificial gas extraction system	Methane Carbon Dioxide Oxygen Carbon Monoxide Differential pressure Atmospheric pressure	Monthly until gas extraction commences	Calibrated handheld monitoring instrument	For cells or phases which have no active gas extraction. Gas extraction system shall be installed and extraction commenced once monitoring shows onset of methane production in waste at a rate that can be sustainably extracted. Once gas extraction has commenced in a particular cell or phase, there is no longer a requirement to carry out this monitoring
	Hydrogen sulphide	Quarterly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04 (version 3, March 2010) or other such subsequent guidance as may be agreed in writing with the Environment Agency or a method agreed with the Environment Agency.	For cells or phases which have no active gas extraction. Once gas extraction has commenced in a particular cell or phase, there is no longer a requirement to carry out this monitoring. Concentrations of hydrogen sulphide shall be assessed in accordance with the gas and odour management plans

Table S3.8 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Gas collection system at well control valve, manifolds (if applicable) and strategic points on gas system	Methane Carbon Dioxide Oxygen Carbon Monoxide Atmospheric pressure Gas flow rate or suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Fortnightly	Calibrated handheld monitoring instrument	Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken. Where the concentration of carbon monoxide exceeds 100ppm then further investigation shall be undertake Record the ambient air temperature and whether the ground is: waterlogged frozen snow covered
Gas collection system at well control valve	Hydrogen sulphide	Six monthly	Calibrated handheld monitoring instrument or Tedlar Bag sample in accordance with LFTGN04 (version 3, March 2010) or other such subsequent guidance as may be agreed in writing with the Environment Agency or a method agreed with the Environment Agency.	Concentrations of hydrogen sulphide shall be assessed in accordance with the gas and odour management plans
Output to flare or LFG Utilisation Compound	Trace gas	Annually	Trace gas analysis in accordance with LFTGN04 (version 3, March 2010) or such other subsequent guidance as may be agreed in writing with the Environment Agency [or a trace gas characterisation method agreed with the Environment Agency].	The concentration of trace gas components shall be assessed against the assumptions made in the Landfill gas risk assessment and dispersion modelling.

Table S3.8 Landfill gas – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Output to flare or LFG Utilisation Compound	Methane Carbon Dioxide Oxygen Gas flow rate Suction % Balance Gas (calculated as the difference between the sum of measured gases and 100%)	Weekly		Where the oxygen concentration exceeds 5% or the % balance gas is greater than 20% an assessment of air ingress into the system shall be undertaken.

Table S3.9 Leachate – other monitoring requirements				
Monitoring point reference or description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Operational Cells or Phases **(Any cell or phases that do not have a final engineered cap agreed in accordance with condition 2.5)**			At leachate compliance point as listed in table S3.1. As specified in Environment Agency Guidance TGN02 (February 2003) and Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, Annex J3, version 2.1, Dec 2011) with one sampling point per cell / phase or such other subsequent guidance as may be agreed in writing with the Environment Agency.	
MEPP	pH, EC, total alkalinity, ammoniacal nitrogen, Chloride, COD, BOD, cadmium, chromium, copper, lead, nickel, iron, arsenic, magnesium, potassium, total sulphates, calcium, sodium, zinc, manganese	Quarterly		None
MEPP	Hazardous substances	Annually		
MEPP	Depth to base (mAoD)	Annually		
Non Operational Cells or Phases **(Any cell or phases that have a final engineered cap agreed in accordance with condition 2.5)**				
MEPP	pH, EC, total alkalinity, ammoniacal nitrogen, Chloride, COD, BOD, cadmium, chromium, copper, lead, nickel, iron, arsenic, magnesium, potassium, total sulphates, calcium, sodium, zinc, manganese,	Annually		
MEPP	Hazardous substances	Once every four years		
MEPP	Depth to base (mAoD)	Annually		

Table S3.10 Surface water – other monitoring requirements				
Monitoring Point Ref. /Description	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
MEPP	Ammoniacal nitrogen Chloride Suspended Solids Visual Oil and Grease pH electrical conductivity	Monthly	Spot sample	As specified in Environment Agency Guidance TGN02 'Monitoring of Landfill Leachate, Groundwater and Surface Water' (February 2003) and Horizontal Guidance Note H1 – Environmental Risk Assessment for permits, (Annex J3, version 2.1, Dec 2011) or such other subsequent guidance as may be agreed in writing with the Environment Agency.

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data		
Parameter	**Reporting period**	**Period ends**
Leachate and/ or groundwater level As specified by schedule 3, table S3.1	Every 3 months	31 March, 30 June, 30 September, 31 December
Point source emission to water (other than sewer) As specified by schedule 3, table S3.2	Every 3 months	31 March, 30 June, 30 September, 31 December
Emission to groundwater As specified by schedule 3, table S3.3	Every 3 months	31 March, 30 June, 30 September, 31 December
Landfill gas in external monitoring boreholes As specified by schedule 3, table S3.4	Every 3 months	31 March, 30 June, 30 September, 31 December
Particulate matter in ambient air. As required by schedule 3, table S3.5	Every 6 months	30 June, 31 December
Emission of landfill gas from capped surfaces As specified by schedule 3, table S3.6	Every 12 months	31 December
Other groundwater monitoring As specified by schedule 3, table S3.7	Every 3 months	31 March, 30 June, 30 September, 31 December
Other Landfill gas monitoring As specified by schedule 3, table S3.8 Trace gas monitoring	Every 3 months Every 12 months	31 March, 30 June, 30 September, 31 December 31 December
Other leachate monitoring As specified by schedule 3, table S3.9	Every 12 months	31 December
Other surface water monitoring As specified by schedule 3, table S3.10	Every 12 months	31 December
Meteorological data Landfill Directive, annex III, section 2	Every 12 months	31 December

* - where the reporting period is 12 months, you may submit this information as part of the 'annual report' required by condition 4.2.2.

Table S4.2: Annual production/treatment	
Leachate: Disposed of off site; Recirculated into the waste mass. .	Cubic metres/year
Landfill gas: Methane generation rate (50%ile from a representative model)	Normalised cubic metres/year m3 /hr

Table S4.3 Performance Parameters			
Parameter	**Frequency of assessment**	**Annual total**	**Unit**
Energy used (including for leachate treatment)	Annually		MWh of electricity or natural gas

Table S4.4 Reporting Forms		
Media/parameter	**Reporting Format**	**Date of Form**
Leachate	Form leachate 1 or other reporting format to be agreed in writing with the Environment Agency	23/02/2016
Controlled water	Form Water 1 or other reporting format to be agreed in writing with the Environment Agency	23/02/2016
Groundwater	Form Groundwater 1 or other reporting format to be agreed in writing with the Environment Agency	23/02/2016
Landfill gas	Form LFG 1 or other reporting format to be agreed in writing with the Environment Agency	23/02/2016
Particulate matter	Form Particulate 1 or other reporting format to be agreed in writing with the Environment Agency	23/02/2016
Waste Return	Waste Return Form RATS2E	23/02/2016

Table S4.4 Reporting Forms		
Media/parameter	**Reporting Format**	**Date of Form**
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	23/02/2016

Schedule 5 – Notification

This page outlines the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and Time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	**Notification period**

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B to be supplied as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

"accident" means an accident that may result in pollution.

"annually" means once every year.

"application" means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

"authorised officer" means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

"Background concentration" means such concentration of that substance as is present in:

- For emissions to surface water, the surface water quality up-gradient of the site; or
- For emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge; or
- For emissions of landfill gas, the ground or air outside the site and not attributable to the site.

(a) "Cell layout drawing" means: A drawing or drawings of the proposed new cell that illustrate(s) in sufficient detail:

(i) the location of the new cell on the site;

(ii) the proposed level (Above Ordnance Datum) of the base of the excavation;

(iii) the proposed finished levels of all containment and leachate drainage layers;

(iv) the positions of leachate management infrastructure; and

(v) the positions of landfill gas infrastructure (if appropriate).

(b) A detailed written explanation of any minor design changes from the most recently approved cell that result from the new cell layout. This would include, for example:

(i) changes to slope length and gradient within the cell;

(ii) new leachate or landfill gas infrastructure construction design;

(iii) slope stability issues such as new basal excavation level; and/or

(iv) depth of waste.

"Construction Proposals" means written information, at a level of detail appropriate to the complexity and pollution risk, on the design, specifications of materials selected, stability assessment (where relevant) and the construction quality assurance (CQA) programme in relation to the New Cell or Landfill Infrastructure.

"CQA Validation Report" means the final "as built" construction and engineering details of the New Cell or of the Landfill Infrastructure. It must provide a comprehensive record of the construction and must include, where relevant:

- The results of all testing required by the CQA programme - this must include the records of any failed tests with a written explanation, details of the remedial action taken, referenced to the appropriate secondary testing;
- Plans showing the location of all tests;
- "As-built" plans and sections of the works;
- Copies of the site engineer's daily records;

- Records of any problems or non-compliances and the solution applied;
- Any other site specific information considered relevant to proving the integrity of the New Cell or Landfill Infrastructure;
- Validation by a qualified person that all of the construction has been carried out in accordance with the Construction Proposals.

"emissions to land" includes emissions to groundwater.

"EP Regulations" means The Environmental Permitting (England and Wales) Regulations 2010, SI 2010 No.675. Words and expressions used in this permit which are also used in those Regulations have the same meanings as in those Regulations.

"emissions of substances not controlled by emission limits" means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

"exceeded" means that a value is above a permitted limit, or where a range of values or a minimum value is set as a permitted limit it means a value outside that range or below the minimum value, whichever is applicable.

"Hazardous property" has the meaning in Annex III of the Waste Framework Directive.

"Hazardous substances" as defined by the Environmental Permitting (England and Wales) Regulations 2010, SI 2010 No.675, schedule 22 and listed in our Hydrogeological risk assessment guidance, annex J to our H1 risk assessment guidance.

"Hazardous waste"' has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

"Landfill Infrastructure" means any specified element of the:

- permanent capping;
- temporary capping (i.e. engineered temporary caps not cover materials);
- leachate abstraction systems;
- leachate transfer, treatment and storage systems;
- surface water drainage systems;
- leachate monitoring wells;
- groundwater monitoring boreholes;
- landfill gas monitoring boreholes;
- landfill gas management systems;
- lining within the installation.

within the site.

"List of Wastes" means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

"Liquids" means any liquid other than leachate within the engineered landfill containment system.

"LFTGN 05" means Environment Agency Guidance for monitoring enclosed landfill gas flares.

"LFTGN 07" means Environment Agency Guidance on monitoring landfill gas surface emissions.

"LFTGN 08" means Environment Agency Guidance for monitoring landfill gas engines.

"groundwater" means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

"inert waste" means waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater

"Medicinal product" means any medicine licensed by the Medicines and Healthcare products Regulatory Agency (MHRA) or their predecessors under the Medicines Act 1968, section 130.

"M2" means Environment Agency Guidance Monitoring of stack emissions to air.

"New Cell" means any new cell, part of a cell or other similar new area of the site where waste deposit is to commence after issue of this permit and can comprise:

- groundwater under-drainage system;
- permanent geophysical leak location system;
- leak detection layer;
- sub-grade;
- barriers;
- liners;
- leachate collection system;
- leachate abstraction system;
- separation bund/layer;
- cell or area surface water drainage system;
- side wall subgrade and containment systems;

for the New Cell.

"MEPP" Monitoring and extraction point plan, required by condition 4.2.2(h) to specify extraction points and routine monitoring locations.

"MCERTS" means the Environment Agency's Monitoring Certification Scheme.

"No impact" means that the change made to the construction process will not affect the agreed design criteria, specification or performance in a way that has a negative effect.

"Pests" means Birds, Vermin and Insects.

"Previous year" means the 12 month period preceding the month the annual report is submitted in.

"Quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"Relevant waste acceptance procedures" means the procedure for the acceptance of waste at landfills and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

"Relevant waste acceptance criteria" means the waste acceptance criteria and the associated sampling and test methods specified in the Council Decision Annex (2003/33/EC, European Council of 19 December 2002).

"Review of the Hydrogeological Risk Assessment" means a written review of the hydrogeological risk assessment included in the Application, together with any other parts of the Application that addressed the requirements of the EP Regulations. The review shall assess whether the activities of disposal or tipping for the purpose of disposal of waste authorised by the permit continue to meet the requirements of the EP Regulations.

'Sustainably extracted' means where suction can be applied to the extraction wells such that a flow rate of landfill gas, with a methane content capable of either being combusted, or treated by bio-oxidation, can be extracted without increasing the risk of air ingress to the waste or inducing aerobic degradation within the waste.

"Waste code" means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means the standards included in Environment Agency Guidance for Monitoring Enclosed Landfill Gas Flares LFTGN 05 or Guidance for Monitoring Landfill Gas Engine Emissions LFTGN 08

Where the following terms appear in the waste code list in Tables S2.1, S2.2 or S2.3, they have the meaning given below:

'hazardous substance' means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008;

'heavy metal' means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances;

'polychlorinated biphenyls and polychlorinated terphenyls' ('PCBs') means PCBs as defined in Article 2(a) of Council Directive 96/59/EC'.
Article 2(a) says that 'PCBs' means:

- polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight;

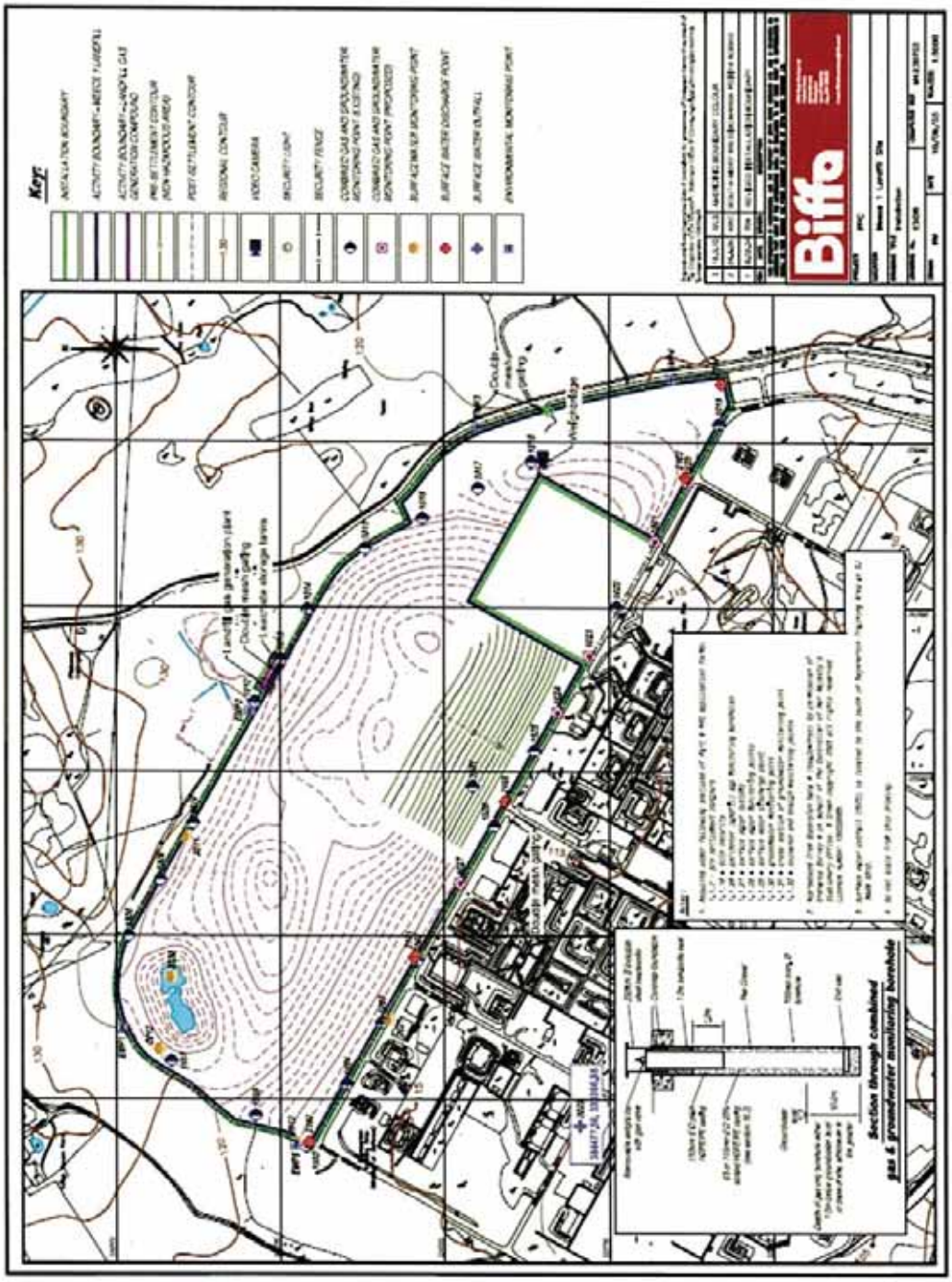
'transition metals' means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances;

'stabilisation' means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste;

'solidification' means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste;

'partly stabilised wastes' means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term.

Schedule 7 – Site plan



END OF PERMIT

Environment Agency permitting decisions

Environment Agency initiated variation

We have decided to issue an Environment Agency initiated variation for Meece I Landfill operated by Biffa Waste Services Limited

The variation number is EPR/ BV4967IW/V012

We consider in reaching that decision we have taken into account all relevant considerations and legal requirements and that the permit will ensure that the appropriate level of environmental protection is provided.

Purpose of this document

This decision document:

- explains how the Environment Agency initiated variation has been determined
- provides a record of the decision-making process
- shows how all relevant factors have been taken into account

Structure of this document

- Annex 1 the decision checklist

Annex 1: decision checklist

This document should be read in conjunction with the agreed Environment Agency variation request form and permit/ notice.

Aspect considered	Justification / Detail	Criteria met Yes
The permit conditions		
Waste types	We have specified the permitted waste types, descriptions and quantities, which can be accepted at the regulated facility. Waste types 19 02 05 & 19 02 06 for the soil treatment plant and waste code 19 13 02 for restoration have been re-instated in the permit at the request of the operator. They were erroneously removed from variation EPR/BV4967IW/V011 and the agency has agreed to vary the permit. Please refer to the variation request form for further detail.	✓

Soil Treatment Facility
Meece Landfill Site,
Swynnerton,
Cold Meece
ST15 0QN

No. **STF4_10406**

Company Ref No. 3932238
VAT No. 758027026
Licence No. EPR/BV4967IW
Licence Holder: Biffa Waste Services Ltd

VEH.REG:PN08PNT
VEH.TYPE:TIPPER
HAULIER:CLWYD
MATERIAL:HAZ SOIL
22/08/17 09:23

ID :4

IN WEIGH: 31560kg

VEH.REG:PN08PNT
22/08/17 09:33
ID :4
IN WEIGH: 31560kg
OUT WEIGH: 12320kg

UNLOADED : 19240kg

EWC CODE: 170503	CONTRACT LINE: 141101
DESCRIPTION: SOIL - HAZ	CUSTOMER: LLAY P.P O 'CONNOR
TRANSFER NOTE NO: PPOCON/00007	ORDER NO: -
DRIVER'S NAME & SIGNATURE: KARL JONES	WEIGHMAN'S NAME & SIGNATURE JHAWKINS

Form HWCN01v112

The Hazardous Waste Regulations 2005: Consignment Note

Environment Agency

PRODUCER'S/HOLDER'S/CONSIGNOR'S COPY (Delete as appropriate)

PART A Notification details

1 Consignment note code: PPOCON/00007

2 The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile):

PPOconnor
Hay industrial estate
LL12 0PG Michael.SMITH@PPOcon.AS A2

3 The waste will be taken to (name, address and postcode):

Biogenie, Meece St F, Swynnerton
Staffordshire, ST15 0QN

4 The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):

PART B Description of the waste

If continuation sheet used, tick here ☐

1 The process giving rise to the waste(s) was: Site Preparation SIC (2007) for the process giving rise to the waste: 43.12/1

3 WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	List of wastes (EWC code)(6 digits)	Quantity (kg)	The chemical/biological components in the waste and their concentrations are: Component	Concentration (% or mg/kg)	Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
Hc2 Soil Stone	170503	19,240	TPH	>1000 mg/kg	Solid	HP7	SLT

The information given below is to be completed for each EWC identified

EWC code	UN identification number(s)	Proper shipping name(s)	UN class(es)	Packing group(s)	Special handling requirements
170503	N/A	N/A	N/A	N/A	PPE

PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If schedule of carriers is attached tick here. ☐)

I certify that I today collected the consignment and that the details in A2, A3 and B3 are correct and I have been advised of any specific handling requirements.

Where this note comprises part of a multiple collection the round number and collection number are: /

1 Carrier name: KARL JONES

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

CLWYD TRANSPORT

2 Carrier registration no./reason for exemption:

3 Vehicle registration no. (or mode of transport, if not road):

Signature PN08 PNJ

Date 22/8/17 Time 0730

PART D Consignor's certificate

I certify that the information in A, B and C has been completed and is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

1 Consignor name: Roger Wottal

On behalf of (name, address, postcode, telephone, e-mail, facsimile): PPO Construction
Hay industrial est
LL12 0PG Roger.Wottal@PPO

Signature

Date 22-8-17 Time 0730

PART E Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)
170503	19240	ACC	D08

1 I received this waste at the address given in A3 on: Date 22-08-2017 Time 0913

2 Vehicle registration no. (or mode of transport if not road): PN08 PNJ

3 Where waste is rejected please provide details:

I certify that waste permit/exempt waste operation number: BV4967IW

authorises the management of the waste described in B at the address given in A3.

Where the consignment forms part of a multiple collection, as identified in Part C, I certify that the total number of consignments forming the collection are:

Name: J HAWKINS

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

BIOGENIE
AS A3

Signature

Date 22-08-2017 Time 0913

Biffa

CORONATION ROAD, CRESSEX
HIGH WYCOMBE
BUCKS. HP12 3TZ
FACSIMILE: 01494 463368
VAT No. 537 9116 27 Company Reg. No. 946107 Landfill Tax Reg. No. XFLF00000100123

SITE 889 REEVE

LIC. No. BV4967IN
LICENSING AUTHORITY ANG - UPPER TRENT

LICENCE HOLDER
BIFFA WASTE SERVICES LTD

TICKET No. L151053 | DATE 23/08/2017

CUSTOMER
TRANSFER NOTE No. -
LOAD REF. STFA-10406 BR03393
ORDER REF. ME07082
SOURCE 0 OTHER

CUSTOMER BIOGENIE SITE REMEDIATION LTD
CODE B20858*1*1565
ADDRESS DAVY WAY
LLAY INDUSTRIAL ESTATE
WREXHAM
CLWYD
POSTCODE LL12 0PB SIC 38.12
HAULIER BIOGENIE SITE REMEDIATION LTD
CARRIER REG. No.
REGISTRATION AUTHORITY

VEHICLE MAGNANT BULK CARRIER
CONTAINER BUL BULK LOADER
C.U.M 10.00

WASTE DESCRIPTION
(ME07082) Davy Way, Wrexham

CODE 170503
DESTINATION BTI DISPOSAL
CONTRACT 14110191/1
EWC CODE 170503
PRE-TREATED
CONSIGNMENT CODE BIOGEN/00007
LANDFILL TAX EXEMPTION REF. No. De-Facto

DEPOSIT THIS LOAD AT BIOGENIE
PHASE 0 LIFT 0 CELL 0

	WEIGHT	DATE	TIME	TALLY No.
GROSS	31560 Kg	23/08/2017	12:05	KEYB
TARE	12320 Kg	23/08/2017	12:05	KEYB
NET	19240 Kg			
QTY. CHARGED	** 19.24 TONNE **			

THIS IS NOT A VAT INVOICE
NET COST **********
VAT @ ***** % **********
TOTAL COST **********

BY SIGNING THIS WASTE TRANSFER NOTE THE HOLDER / CUSTOMER IS CONFIRMING THAT THEY HAVE FULFILLED THEIR DUTY TO APPLY THE W.F.D. WASTE HIERARCHY.

FOR BIFFA WASTE SERVICES

ANDREW CLEE
NAME

DRIVERS SIGNATURE
FOR BIOGENIE SITE REMEDIATION LTD

NAME

THIS DOCUMENT IS A WASTE TRANSFER NOTE AS PROVIDED FOR BY ENVIRONMENTAL PROTECTION (DUTY OF CARE) REGULATIONS 1991. A TALLY RECORD OF THIS TRANSACTION IS AVAILABLE FOR 6 MONTHS. WHERE WASTE MATERIALS ARE FOUND ON DISCHARGE TO BE INCONSISTENT WITH THE DESCRIPTION, BIFFA WASTE SERVICES RESERVE THE RIGHT TO RECOVER THE APPROPRIATE CHARGE AND ASSOCIATED TAX FROM THE CUSTOMER. BIFFA WASTE SERVICES AS OPERATORS OF THE SITE ARE AUTHORISED BY THE HOLDER OF THE APPROPRIATE PERMIT TO ACCEPT WASTE FOR DISPOSAL

Soil Treatment Facility
Meece Landfill Site,
Swynnerton,
Cold Meece
ST15 0QN

No.
STF4_10407

Company Ref No. 3932238
VAT No. 758027026
Licence No. EPR/BV4967IW
Licence Holder: Biffa Waste Services Ltd

VEH. REG: SK03AJY
VEH. TYPE: TIPPER
HAULIER: CLWYD
MATERIAL: HAZ SOIL
22/08/17 10:17
IN WEIGH: 34340kg
PT : 12000kg
UNLOADED : 22340kg

EWC CODE: 170503	CONTRACT LINE: 141101
DESCRIPTION: SOIL - HAZ	CUSTOMER: CLAY PP OCONNOR
TRANSFER NOTE NO: PPOCON/00008	ORDER NO: —
DRIVER'S NAME & SIGNATURE:	WEIGHMAN'S NAME & SIGNATURE SHAWKINS

Form HWCN01v112

The Hazardous Waste Regulations 2005: Consignment Note

Environment Agency

PRODUCER'S/HOLDER'S/CONSIGNOR'S COPY (Delete as appropriate)

PART A Notification details

1 Consignment note code: PPOCON/00008 X

2 The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile):
PPOconnor
Hay industrial estate
LL12 0PG Michael.Smith@PPOcon AS A2

3 The waste will be taken to (name, address and postcode):
Biogenie, Meece STF, Swynnerton Staffordshire, ST15 0QN

4 The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):

PART B Description of the waste

If continuation sheet used, tick here ☐

1 The process giving rise to the waste(s) was: Site Preparation SIC (2007) for the process giving rise to the waste: 43.12/1

3 WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	List of wastes (EWC code)(6 digits)	Quantity (kg)	The chemical/biological components in the waste and their concentrations are: Component	Concentration (% or mg/kg)	Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
Haz Soil Stone	L 7 0 5 0 3	Approx	TPH	>1000mg/kg	Solid	HP7	8Yd

The information given below is to be completed for each EWC identified

EWC code	UN identification number(s)	Proper shipping name(s)	UN class(es)	Packing group(s)	Special handling requirements
L 7 0 5 0 3	N/A	N/A	N/A	N/A	PPE

PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If schedule of carriers is attached tick here. ☐)

I certify that I today collected the consignment and that the details in A2, A3 and B3 are correct and I have been advised of any specific handling requirements.

Where this note comprises part of a multiple collection the round number and collection number are: /

1 Carrier name: CLWYD TRANSPORT

On behalf of (name, address, postcode, telephone, e-mail, facsimile):
CLWYD HOUSE BLACKWOOD BUSINESS PARK ASH ROAD South Wrexham LL13 9UG

2 Carrier registration no./reason for exemption: CBDU 3337

3 Vehicle registration no. (or mode of transport, if not road): SK03 AJY

Signature

Date 22.8.17 Time 0820

PART D Consignor's certificate

I certify that the information in A, B and C has been completed and is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

1 Consignor name: Roger Worrall

On behalf of (name, address, postcode, telephone, e-mail, facsimile):
PPO Construction
Hay Industrial est
LL12 0PG Roger.worrall@PPO

Signature

Date 22-8-17 Time 0820

PART E Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)
1 7 0 5 0 3	22340	ACC	D08

1 I received this waste at the address given in A3 on: Date 22-8-17 Time [redacted] 1017

2 Vehicle registration no. (or mode of transport if not road): SK03AJY

Name: JHAWKINS

3 Where waste is rejected please provide details:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):
BIOGENIE
AS A3

I certify that waste permit/exempt waste operation number:
BV4967FW
authorises the management of the waste described in B at the address given in A3.

Where the consignment forms part of a multiple collection, as identified in Part C, I certify that the total number of consignments forming the collection are:

Signature

Date 22-08-2017 Time 1017

Biffa

CORONATION ROAD, CRESSEX
HIGH WYCOMBE
BUCKS. HP12 3TZ
VAT No. 537 9116 27 Company Reg. No. 946107 Landfill Tax Reg. No. XFLF00000100123

FACSIMILE: 01494 463368

SITE 689 NEECE

LIC. No. BV4967IW
LICENSING AUTHORITY ENGLAND - UPPER TRENT

LICENCE HOLDER BIFFA WASTE SERVICES LTD

TICKET No. L1J1052 DATE 23/08/2017

CUSTOMER
TRANSFER NOTE No. -
LOAD REF. STF4-10407 BR03393
ORDER REF. ME07082
SOURCE O OTHER

CUSTOMER BIOGENIE SITE REMEDIATION LTD
CODE B30858*1*1565
ADDRESS DAVY WAY
LLAY INDUSTRIAL ESTATE
WREXHAM
CLWYD
POSTCODE LL12 0PU SIC 38.12
HAULIER BIOGENIE SITE REMEDIATION LTD
CARRIER REG. No.
REGISTRATION AUTHORITY

VEHICLE BROSELEY BULK CARRIER
CONTAINER BUL BULK LORDER
C.U.M 10.00

WASTE DESCRIPTION
(ME07082) Davy Way, Wrexham

CODE 170503
DESTINATION BTI DISPOSAL
CONTRACT 141101*1/1
EWC CODE 170503
PRE-TREATED
CONSIGNMENT CODE PPOCON/00008
LANDFILL TAX EXEMPTION REF. No. De-Facto

DEPOSIT THIS LOAD AT BIOGENIE
PHASE 0 LIFT 0 CELL 0

	WEIGHT	DATE	TIME	TALLY No.
GROSS	34340 Kg	23/08/2017	12:04	KEYB
TARE	12000 Kg	23/08/2017	12:05	KEYB
NET	22340 Kg			
QTY. CHARGED	** 22.34 TONNE **			

THIS IS NOT A VAT INVOICE

NET COST	**********
VAT @ ***.%	**********
TOTAL COST	**********

BY SIGNING THIS WASTE TRANSFER NOTE THE HOLDER / CUSTOMER IS CONFIRMING THAT THEY HAVE FULFILLED THEIR DUTY TO APPLY THE W.F.D. WASTE HIERARCHY.

FOR BIFFA WASTE SERVICES

ANDREW CLEE

NAME

DRIVERS SIGNATURE BIOGENIE SITE REMEDIATION LTD
FOR -

NAME

THIS DOCUMENT IS A WASTE TRANSFER NOTE AS PROVIDED FOR BY ENVIRONMENTAL PROTECTION (DUTY OF CARE) REGULATIONS 1991. A TALLY RECORD OF THIS TRANSACTION IS AVAILABLE FOR 6 MONTHS. WHERE WASTE MATERIALS ARE FOUND ON DISCHARGE TO BE INCONSISTENT WITH THE DESCRIPTION, BIFFA WASTE SERVICES RESERVE THE RIGHT TO RECOVER THE APPROPRIATE CHARGE AND ASSOCIATED TAX FROM THE CUSTOMER. BIFFA WASTE SERVICES AS OPERATORS OF THE SITE ARE AUTHORISED BY THE HOLDER OF THE APPROPRIATE PERMIT TO ACCEPT WASTE FOR DISPOSAL.

Biffa enGlobe

Soil Treatment Facility
Meece Landfill Site,
Swynnerton,
Cold Meece
ST15 0QN

No. **STF4_10409**

Company Ref No. 3932238
VAT No. 758027026
Licence No. EPR/BV4967IW
Licence Holder: Biffa Waste Services Ltd

VEH.REG:SK03AJY
VEH.TYPE:TIPPER
HAULIER:P.P O'CONNOR LTD
MATERIAL:HAZ SOIL
22/08/17 14:40
IN WEIGH: 31360kg
PT : 12000kg
UNLOADED : 19360kg

EWC CODE: 170503	CONTRACT LINE: 141101
DESCRIPTION: SOIL - HAZ	CUSTOMER: LLAY PP O CONNOR
TRANSFER NOTE NO: PPOCON/00009	ORDER NO: -
DRIVER'S NAME & SIGNATURE:	WEIGHMAN'S NAME & SIGNATURE SHAWLINS

Form HWCN01v112

The Hazardous Waste Regulations 2005: Consignment Note

Environment Agency

PRODUCER'S/HOLDER'S/CONSIGNOR'S COPY (Delete as appropriate)

PART A Notification details

1 Consignment note code: PPOCON/00009 X

2 The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile):

PPOconnor
Hay industrial estate
LL12 0PG Michael.SMITH@PPOcon AS A2

3 The waste will be taken to (name, address and postcode):

Biogenie, Meece STF, Swynnerton
Staffordshire, ST15 0QN

4 The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):

PART B Description of the waste

If continuation sheet used, tick here ☐

1 The process giving rise to the waste(s) was: Site Preparation SIC (2007) for the process giving rise to the waste: 43.12/1

3 WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	List of wastes (EWC code)(6 digits)	Quantity (kg)	The chemical/biological components in the waste and their concentrations are: Component	Concentration (% or mg/kg)	Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
Hk2 Soil Stone	170503	20,000kg	TPH	7000mg/kg	Solid	HP7	SLT

The information given below is to be completed for each EWC identified

EWC code	UN identification number(s)	Proper shipping name(s)	UN class(es)	Packing group(s)	Special handling requirements
170503	N/A	N/A	N/A	N/A	PPE

PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If schedule of carriers is attached tick here. ☐)

I certify that I today collected the consignment and that the details in A2, A3 and B3 are correct and I have been advised of any specific handling requirements.

Where this note comprises part of a multiple collection the round number and collection number are:

/

1 Carrier name: CLWYD TRANSPORT

On behalf of (name, address, postcode, telephone, e-mail, facsimile):
CLWYD HOUSE Blackwood Business Park
ASH Road South Wrexham LL13 9UG

2 Carrier registration no./reason for exemption: SK03AJY
CB ON3337

3 Vehicle registration no. (or mode of transport, if not road):

Signature

Date 22-8-17 Time 13:00

PART D Consignor's certificate

I certify that the information in A, B and C has been completed and is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

1 Consignor name: Roger Wottal

On behalf of (name, address, postcode, telephone, e-mail, facsimile): PPO Construction
Hay industrial est
LL12 0PG Roger.wottal@PPO

Signature

Date 22-8-2017 Time 13:60

PART E Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)
170503	19360	ACC	D08

1 I received this waste at the address given in A3 on: Date 22-08-2017 Time 14:40

2 Vehicle registration no. (or mode of transport if not road):

3 Where waste is rejected please provide details: SK03 AJY

Name: J HAWKINS

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

BIOGENIE
AS A3

I certify that waste permit/exempt waste operation number:

BV4967IW

authorises the management of the waste described in B at the address given in A3.

Where the consignment forms part of a multiple collection, as identified in Part C, I certify that the total number of consignments forming the collection are:

Signature

Date 22-08-2017 Time 14:40

Biffa

CORONATION ROAD, CRESSEX
HIGH WYCOMBE
BUCKS. HP12 3TZ
FACSIMILE: 01494 463368
VAT No. 537 9116 27 Company Reg. No. 946107 Landfill Tax Reg. No. XFLF00000100123

SITE 389 MEECE

LIC. No. BV9967IH
LICENSING AUTHORITY ANG - UPPER TRENT

LICENCE HOLDER
BIFFA WASTE SERVICES LTD

TICKET No. L131051 DATE 23/08/2017

CUSTOMER
TRANSFER NOTE No.
LOAD REF. STF4-10409 BH03393
ORDER REF. ME07082
SOURCE O OTHER

CUSTOMER BIOGENIE SITE REMEDIATION LTD
CODE BIOBSR*1*1563
ADDRESS DAVY WAY
LLAY INDUSTRIAL ESTATE
WREXHAM
CLWYD
POSTCODE LL12 0PG SIC 38.12
HAULIER BIOGENIE SITE REMEDIATION LTD
CARRIER REG. No.
REGISTRATION AUTHORITY

VEHICLE BR03NJY BULK CARRIER
CONTAINER BUL BULK LOADER
C.U.M 10.00

WASTE DESCRIPTION
(ME07082) Davy Way, Wrexham

CODE 170503
DESTINATION BTI DISPOSAL
CONTRACT 141101*171
EWC CODE 170503
PRE-TREATED
CONSIGNMENT CODE PPGCDN/00009
LANDFILL TAX EXEMPTION REF. No. De-Facto

DEPOSIT THIS LOAD AT BIOGENIE
PHASE 0 LIFT 0 CELL 0

	WEIGHT	DATE	TIME	TALLY No.
GROSS	31360 Kg	23/08/2017	12:03	KEYB
TARE	12000 Kg	23/08/2017	12:03	KEYB
NET	19360 Kg			
QTY. CHARGED	** 19.36 TONNE **			

THIS IS NOT A VAT INVOICE
NET COST ********
VAT @ ****% ********
TOTAL COST ********

BY SIGNING THIS WASTE TRANSFER NOTE THE HOLDER / CUSTOMER IS CONFIRMING THAT THEY HAVE FULFILLED THEIR DUTY TO APPLY THE W.F.D. WASTE HIERARCHY.

FOR BIFFA WASTE SERVICES

ANDREW LEE
NAME

DRIVERS SIGNATURE BIOGENIE SITE REMEDIATION LTD
FOR

NAME

THIS DOCUMENT IS A WASTE TRANSFER NOTE AS PROVIDED FOR BY ENVIRONMENTAL PROTECTION (DUTY OF CARE) REGULATIONS 1991. A TALLY RECORD OF THIS TRANSACTION IS AVAILABLE FOR 6 MONTHS. WHERE WASTE MATERIALS ARE FOUND ON DISCHARGE TO BE INCONSISTENT WITH THE DESCRIPTION, BIFFA WASTE SERVICES RESERVE THE RIGHT TO RECOVER THE APPROPRIATE CHARGE AND ASSOCIATED TAX FROM THE CUSTOMER. BIFFA WASTE SERVICES AS OPERATORS OF THE SITE ARE AUTHORISED BY THE HOLDER OF THE APPROPRIATE PERMIT TO ACCEPT WASTE FOR DISPOSAL.

Soil Reception register

STF4 - Meece

Period: From 25/07/2017 to 29/08/2017

Contract Number : 141101*1 **Address :** Factory Units

Client : PP OConnor Ltd (PPOC)

Contact : Andrew Peacock

Date	Consigment Note	Weight (tonne)	Plate Number	Sample	Criteria	Weighbridge ticket
22/08/2017	PPOCON/00009	19.36	SK03AJY		Hazardous	STF4_10409
22/08/2017	PPOCON/00007	19.24	PN08PNT		Hazardous	STF4_10406
22/08/2017	PPOCON/00008	22.34	SK03AJY		Hazardous	STF4_10407
	Total:	**60.94**				
	Total 141101*1:	**60.94**				

Summary (tonne) **COV = 0.00** **RES = 0.00** **Non-Hazardous = 0.00** **Hazardous = 60.94** **NC = 0.00** **Others = 0.00**

Last update: 2017/08/29 08:02:22

Appendix I – Ground Gas Mitigation



Gas Membrane Installation

Validation Report

Prepared by Jason Gareth Woods BSc - 07470 024640

SCLT Limited
5 Eldon Drive
Abergele
Conwy
North Wales
LL22 7BY

Tel: 01745 823674
Mob: 07739 711208
Email: seancarrlining@hotmail.co.uk
Company Registration: 9609478

1. INTRODUCTION

1.1 Purpose

Acrefield Developments are installing a gas protection membrane to the afore mentioned site. SCLT Limited has been appointed by PP O'Connor Ltd to carry out independent validation of the installation of the membrane on the site.

1.2 Limitations

SCLT has prepared this report in accordance with the instructions of PP O'Connor Ltd ("the Client") under the terms of its appointment for the gas membrane validation/inspections and report.

This report is limited to the verification that the gas membrane measures are correctly installed. SCLT Ltd have not carried out any design work in respect of the gas protection measures prescribed for this site and therefore no professional liability is extended in respect of the gas protection design.

This report has been prepared in accordance with the best available practice and the relevant guidance documents.

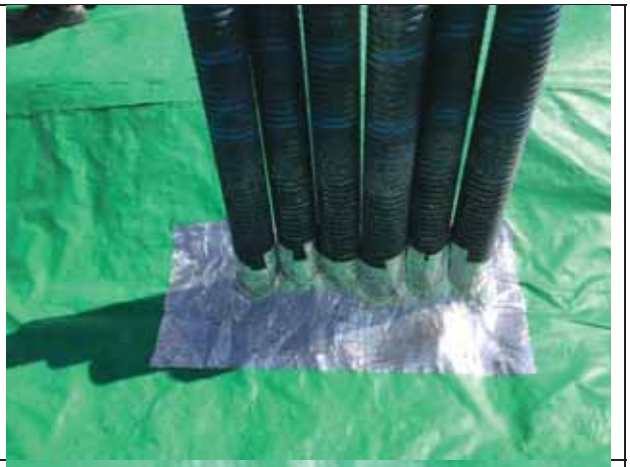
1.3 Site Inspection Sheets (Overleaf)

Verification of Gas Protection Measures		Date	10/05/2017	Time	14:00
Site Name/Address including Postcode	Llay Industrial Estate, LL12 0PE				
Installation Company	Acrefield Developments on behalf of PP O'Connor Ltd				
Installers Name	Gareth Cockcroft				
Type of Development/ Units Inspected	New Police Building				
Planning Application Details Available	Yes ☒		No ☐		
Building Use	Residential ☐		Commercial ☒		
Inspected By	Jason Woods		Weather	Clear 20°C	
Gas Type / Inspection	Membrane		Validation Job No	JN/087	
Item No.	Item	Comments			
1	Foundation Type	Suspended ☐	Raft ☒	Other ☐	
2	Condition of Sub-Grade & Underside of membrane	Excellent			
3	Sub-floor void - Visible	Yes ☒	No ☐		
	Sub-floor void Materials	Sub Floor well compacted stone with no sharp edges.			
4	Membrane Materials/ Jointing Tape	G.P.1/Juta G.P. GRSAM Single side tape/silver gas tape single side.			
5	Slab/Membrane condition	Excellent throughout.			
6	Type of joint	Tape Joint ☒	Auto Weld☒	Hand Weld☒	Extrusion Weld ☐
7	Jointing Testing	☐Air Lance (ASTM D4437)		☐Probe Test (ASTM D4437)	
8	Welds/Laps and Joints Seals	Did all welds, laps and seals pass testing		☒Yes	☐No
		All welds, laps, seals were thoroughly checked manually and visually throughout. Zero defects found.			
9	Pipe Penetrations/Sizes	Various-all to a good standard.			
10	Gas Protection Type	Passive ☒	Active ☐		

11	Site Manager Name	Mick Smith		
12	Re-Inspection Required		☐Yes	☒No
13	Additional Notes			

Photographs Attached		☒Yes	☐No
No.	Description		
1	Intersection of membrane additionally taped.		
2	Top hat to very good standard.		
3	View of area inspected.		
4	View of area inspected.		
5	Top hat detail to pipe penetrations.		
6	Juta GP GRSAM Tape		
7	Joints fully checked, zero defects found.		
8	Taping to pipe penetrations to good standard.		
9	Overview of area inspected.		
10	Joints fully checked zero defects found.		
11	Overview of area inspected.		
12	Joint being correctly welded to best practice.		
13	Sub Base Level and well compacted.		
14	Overview of area inspected.		

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1.4 Summary

The gas membrane installation and venting has **passed inspection** and no further inspections are required to this area, the installation was carried out under contractor CQA, by "Gas membrane Installations" qualified staff. The frequency and number of independent visits and inspection regime employed is in line with Annex 1 of CIRIA C735.

Signed

Date 15/05/2017

Managing Director



Gas Membrane Installation

Validation Report

Prepared by Jason Gareth Woods BSc - 07470 024640

SCLT Limited
5 Eldon Drive
Abergele
Conwy
North Wales
LL22 7BY

Tel: 01745 823674
Mob: 07739 711208
Email: seancarrlining@hotmail.co.uk
Company Registration: 9609478

1. INTRODUCTION

1.1 Purpose

Acrefield Developments are installing a gas protection membrane to the afore mentioned site. SCLT Limited has been appointed by PP O'Connor Ltd to carry out independent validation of the installation of the membrane on the site.

1.2 Limitations

SCLT has prepared this report in accordance with the instructions of PP O'Connor Ltd ("the Client") under the terms of its appointment for the gas membrane validation/inspections and report.

This report is limited to the verification that the gas membrane measures are correctly installed. SCLT Ltd have not carried out any design work in respect of the gas protection measures prescribed for this site and therefore no professional liability is extended in respect of the gas protection design.

This report has been prepared in accordance with the best available practice and the relevant guidance documents.

1.3 Site Inspection Sheets (Overleaf)

Verification of Gas Protection Measures		Date	26/05/2017	Time	14:00
Site Name/Address including Postcode		Llay Industrial Estate, LL12 0PE			
Installation Company		Acrefield Developments on behalf of PP O'Connor Ltd			
Installers Name		Gareth Cockcroft			
Type of Development/ Units Inspected		New Police Building			
Planning Application Details Available		Yes ☒	No ☐		
Building Use		Residential ☐	Commercial ☒		
Inspected By		Jason Woods	Weather	Clear 22°C	
Gas Type / Inspection		Membrane	Validation Job No	JN/094	
Item No.	Item	Comments			
1	Foundation Type	Suspended ☐	Raft ☒	Other ☐	
2	Condition of Sub-Grade & Underside of membrane	Previously Inspected-Excellent			
3	Sub-floor void - Visible	Yes ☐	No ☒		
	Sub-floor void Materials	Not part of this inspection.			
4	Membrane Materials/ Jointing Tape	G.P.1/Juta G.P. GRSAM Single side tape/silver gas tape single side. Solshield gas protection system.			
5	Slab/Membrane condition	Excellent.			
6	Type of joint	Tape Joint ☒	Auto Weld☒	Hand Weld☒	Extrusion Weld ☐
7	Jointing Testing	☐Air Lance (ASTM D4437)	☐Probe Test (ASTM D4437)		
8	Welds/Laps and Joints Seals	Did all welds, laps and seals pass testing	☒Yes	☐No	
		All welds laps and seals physically checked-to a very good standard.			
9	Pipe Penetrations/Sizes	Various-to good standard.			
10	Gas Protection Type	Passive ☒	Active ☐		

11	Site Manager Name	Mick Smith		
12	Re-Inspection Required		☐Yes	☒No
13	Additional Notes	All works on site found by the validator to be of the highest standard with zero defects.		

Photographs Attached		☒Yes	☐No
No.	Description		
1	Area to be inspected		
2	Area to be inspected		
3	Area to be inspected		
4	Mesh to good standard laid correctly above membrane		
5	Top Hat to pipe penetration to good standard		
6	Area to be inspected		
7	Area to be inspected		
8	Mesh being fitted to final section		
9	Concrete being installed/vents visible		
10	Concrete being installed/vents visible		
11	Stanchion base with silver tape		
12	Solshield gas protection system		
13	Solshield gas protection system		
14	JUTA NW3		
15	JUTA NW3		
16	JUTA NW3		

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1.4 Summary

The gas membrane installation and venting has **passed inspection** and no further inspections are required to this area, the installation was carried out under contractor CQA, by "Gas membrane Installations" qualified staff. The frequency and number of independent visits and inspection regime employed is in line with Annex 1 of CIRIA C735.

Signed

Date 30/05/2017

Managing Director



Gas Membrane Installation

Validation Report

Prepared by Jason Gareth Woods BSc - 07470 024640

SCLT Limited
5 Eldon Drive
Abergele
Conwy
North Wales
LL22 7BY

Tel: 01745 823674
Mob: 07739 711208
Email: seancarrlining@hotmail.co.uk
Company Registration: 9609478

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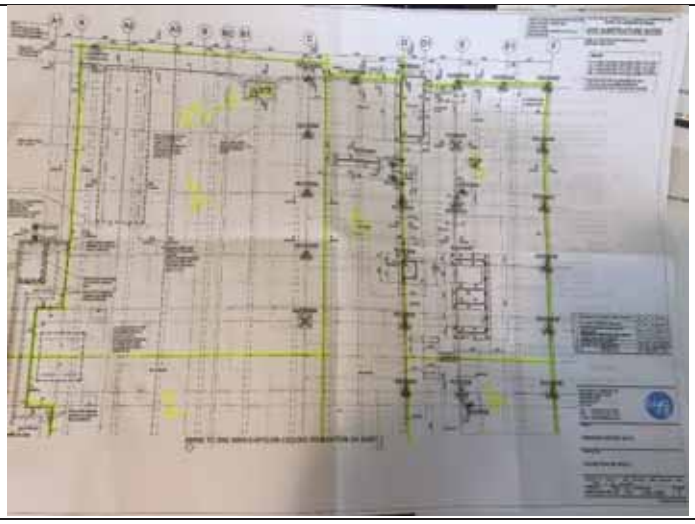
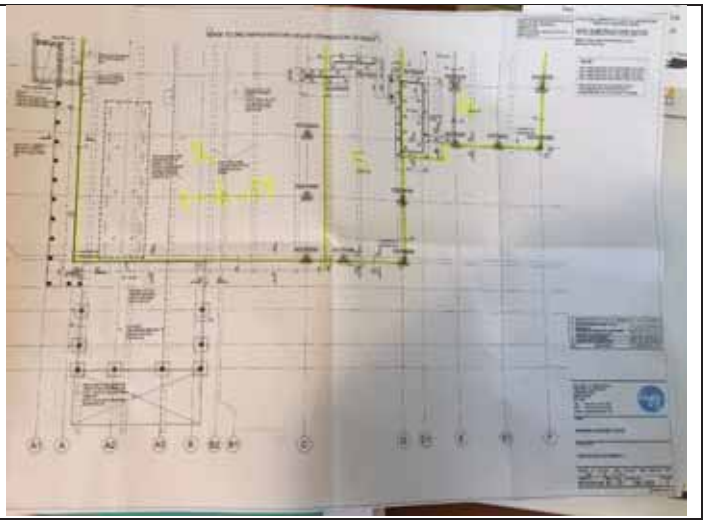
This report has been prepared in accordance with the best available practice and the relevant guidance documents.

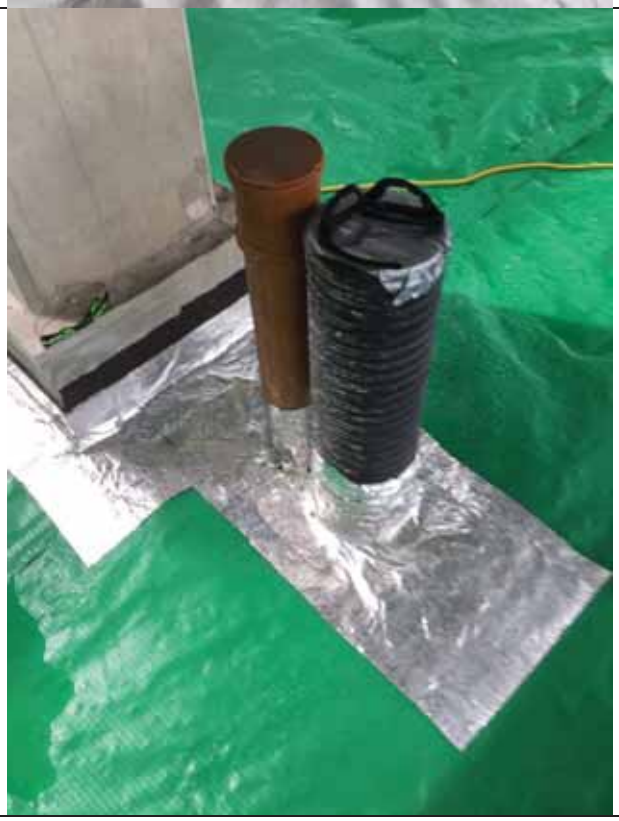
1.3 Site Inspection Sheets (Overleaf)

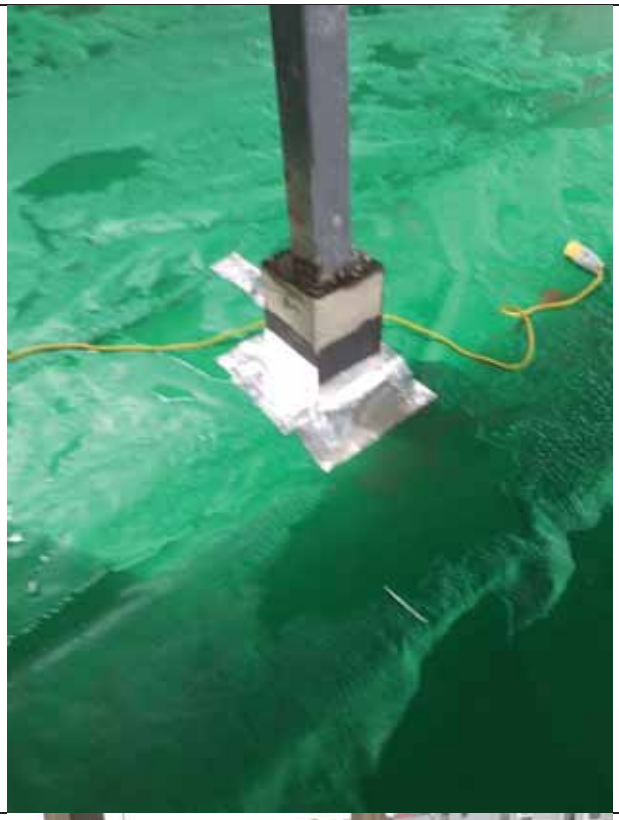
Verification of Gas Protection Measures		Date	31/08/2017	Time	14:00
Site Name/Address including Postcode		Llay Industrial Estate, LL12 0PE			
Installation Company		Acrefield Developments on behalf of PP O'Connor Ltd			
Installers Name		Gareth Cockcroft			
Type of Development/ Units Inspected		New Police Building			
Planning Application Details Available		Yes ☒	No ☐		
Building Use		Residential ☐	Commercial ☒		
Inspected By		Jason Woods	Weather	Clear 20°C	
Gas Type / Inspection		Membrane	Validation Job No	JN/120	
Item No.	Item	Comments			
1	Foundation Type	Suspended ☐	Raft ☒	Other ☐	
2	Condition of Sub-Grade & Underside of membrane	Not part of this inspection.			
3	Sub-floor void - Visible	Yes ☐	No ☒		
	Sub-floor void Materials	Not part of this inspection.			
4	Membrane Materials/ Jointing Tape	G.P.1/Juta G.P. GRSAM Single side tape/silver gas tape single side. Solshield gas protection system.			
5	Slab/Membrane condition	Excellent.			
6	Type of joint	Tape Joint ☒	Auto Weld☒	Hand Weld☒	Extrusion Weld ☐
7	Jointing Testing	☒Air Lance (ASTM D4437)	☐Probe Test (ASTM D4437)		
8	Welds/Laps and Joints Seals	Did all welds, laps and seals pass testing	☒Yes	☐No	
		All air lance tests completed with zero defects found.			
9	Pipe Penetrations/Sizes	All to very good standard.			
10	Gas Protection Type	Passive ☒	Active ☐		

11	Site Manager Name	Mick Smith		
12	Re-Inspection Required		☐Yes	☒No
13	Additional Notes			

Photographs Attached		☒Yes	☐No
No.	Description		
1	Drawing L001		
2	Drawing L002		
3	View of area to be inspected-refer to Drawing L001 & L002		
4	Area to be inspected	Note-Areas 1/2/5 have been previously inspected by Jason Woods	
5	Area to be inspected		
6	Pipe Penetrations to a very good standard		
7	Steel stanchion to a good standard		
8	Steel stanchion to a good standard		
9	Auto Weld Equipment		
10	Air Lance Test in progress		

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1.4 Summary

The gas membrane installation and venting has **passed inspection** and no further inspections are required to this area, the installation was carried out under contractor CQA, by “Gas membrane Installations” qualified staff. The frequency and number of independent visits and inspection regime employed is in line with Annex 1 of CIRIA C735.

Signed 

Date 04/09/2017

Managing Director



Gas Membrane Installation

Validation Report

Prepared by Jason Gareth Woods BSc - 07470 024640

SCLT Limited
5 Eldon Drive
Abergele
Conwy
North Wales
LL22 7BY

Tel: 01745 823674
Mob: 07739 711208
Email: seancarrlining@hotmail.co.uk
Company Registration: 9609478

1. INTRODUCTION

1.1 Purpose

Acrefield Developments are installing a gas protection membrane to the afore mentioned site. SCLT Limited has been appointed by PP O'Connor Ltd to carry out independent validation of the installation of the membrane on the site.

1.2 Limitations

SCLT has prepared this report in accordance with the instructions of PP O'Connor Ltd ("the Client") under the terms of its appointment for the gas membrane validation/inspections and report.

This report is limited to the verification that the gas membrane measures are correctly installed. SCLT Ltd have not carried out any design work in respect of the gas protection measures prescribed for this site and therefore no professional liability is extended in respect of the gas protection design.

This report has been prepared in accordance with the best available practice and the relevant guidance documents.

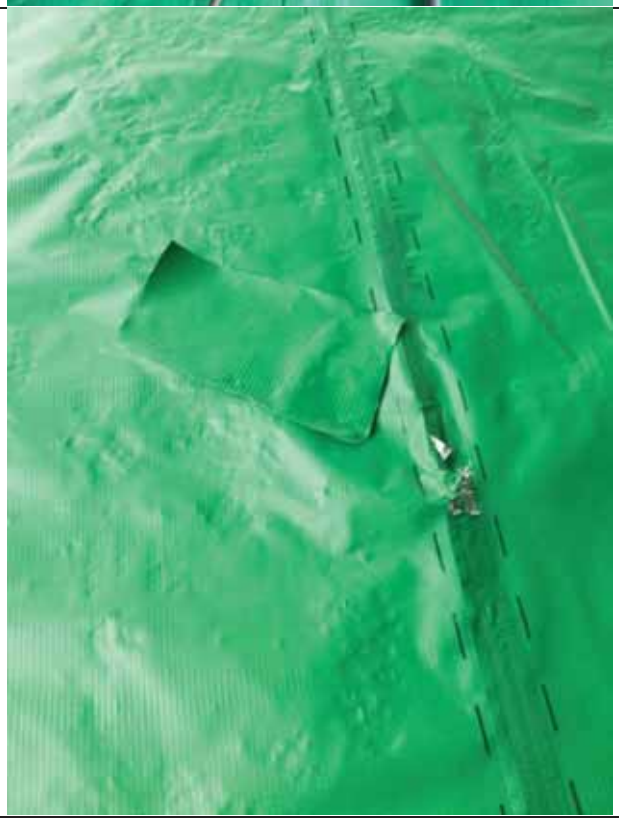
1.3 Site Inspection Sheets (Overleaf)

Verification of Gas Protection Measures		Date	07/09/17	Time	12 Noon
Site Name/Address including Postcode		Llay Industrial Estate, LL12 0PE			
Installation Company		Acrefield Developments on behalf of PP O'Connor Ltd			
Installers Name		Gareth Cockcroft			
Type of Development/ Units Inspected		New Police Building			
Planning Application Details Available		Yes ☒	No ☐		
Building Use		Residential ☐	Commercial ☒		
Inspected By		Jason Woods	Weather	Clear 16°C	
Gas Type / Inspection		Membrane	Validation Job No	JN/122	
Item No.	Item	Comments			
1	Foundation Type	Suspended ☐	Raft ☒	Other ☐	
2	Condition of Sub-Grade & Underside of membrane	Not part of this inspection.			
3	Sub-floor void - Visible	Yes ☐	No ☒		
	Sub-floor void Materials	Not part of this inspection.			
4	Membrane Materials/ Jointing Tape	G.P.1/Juta G.P. GRSAM Single side tape/silver gas tape single side. Solshield gas protection system.			
5	Slab/Membrane condition	Excellent.			
6	Type of joint	Tape Joint ☒	Auto Weld☒	Hand Weld☒	Extrusion Weld ☐
7	Jointing Testing	☒Air Lance (ASTM D4437)	☐Probe Test (ASTM D4437)		
8	Welds/Laps and Joints Seals	Did all welds, laps and seals pass testing	☒Yes	☐No	
		Air Lance completed to remaining sections of areas 3/4. Zero defects found.			
9	Pipe Penetrations/Sizes	All to very good standard.			
10	Gas Protection Type	Passive ☒	Active ☐		

11	Site Manager Name	Mick Smith		
12	Re-Inspection Required		☐Yes	☒No
13	Additional Notes			

Photographs Attached		☒Yes	☐No
No.	Description		
1	Remaining area to be air lance tested.		
2	Remaining area to be air lance tested.		
3	Auto welded joints to good standard.		
4	Air Lance testing.		
5	One small area with slight tear.		
6	Same area being rectified.		

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1.4 Summary

The gas membrane installation and venting has **passed inspection** and no further inspections are required to this area, the installation was carried out under contractor CQA, by “Gas membrane Installations” qualified staff. The frequency and number of independent visits and inspection regime employed is in line with Annex 1 of CIRIA C735.

Signed 

Date 14/09/2017

Managing Director

Appendix J – Asbestos Survey

...e waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile):
ISG CONSTRUCTION
LIME ST
LIVERPOOL
L1 1JQ

VIRIDOR
PILSWORTH RD
PILSWORTH
BURY

5 The waste producers was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):
p.p.oconnor ltd thamas trading est
woodrow way irlam
m44 6nn

3 Premises code (where applicable) | I | S | G | C | O | N |

PART B Description of waste

1 The process giving rise to the waste(s) was:
redevelopment

2 SIC for the process giving rise to the waste: | 4 | 5 | | 11 | 1 | / | |

3 WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	List of wastes (EWC code)(6 digits)	Quantity (kg)	The chemical/biological componenets of the waste and their concentrations are: Component	Concentration	Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, numbe and size
ASBESTOS	170605	1 load	ASBESTOS	1.00%	SOLID	H7	SKIP WAGON 1

The information given belowis to be completedfor each EWC identified

EWC code	Packing group(s)	UN identification number(s)	Proper shipping name(s)	UN class(es)	Special handling requirements
170605					

PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If a schedule of carriers is attached tick here. ☐)
I certify that I today collected the consignment and that the details in A2, A4 and B3 are correct and I havebeen advised of any specific handling requirements.

1 Carrier name: IAN LONSDEN
On behalf of (name, address, postcode, telephone, e-mail, facsimile):
P.P. O'CONNOR LIMITED
THAMES TRADING ESTATE, WOODROW WAY,
IRLAM, MANCHESTER, M44 6NN

2 Carrier registration no./reason for exemption: MF12 NZV
CBDU101751

3 Vehicle registration no. (or mode of transport if not road):

Signature

Date 07/04/2017 Time 0730

PART D Conignor's certificate

I certify that the information in A, B and C above is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

1 Consignor name: X M BRACE
On behalf of (name, address, postcode, telephone, e-mail, facsimile):
P.P. O'CONNOR LIMITED
THAMES TRADING ESTATE, WOODROW WAY,
IRLAM, MANCHESTER, M44 6NN
Tel : 0161 776 0333
Fax : 0161 776 0303

Signature X

Date 03/03/2017 Time 1406

PART E Consignee's certificate (where more than one waste type is collected all information given below must be completed for each EWC)

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)
170605	1120	ACC	D05

1 I received this waste at the address given in A4 on: Date 07/04/17 Time 0750

2 Vehicle registration no. (or mode of transport if not road):
MF 12 NZV

Name: J Beaxter
On behalf of (name, address, postcode, telephone, e-mail, facsimile):

PRODUCER RETURN

3 Where waste is rejected please provide details:

I certify that waste management licence/permit/authorised exemption no(s).
BS7951

authorises the management of the waste described in B address given in A4.

...PILSWORTH QUARRY & LANDFILL
...worth Road
BURY
BL9 8QZ
Site Licence BS7951

Signature

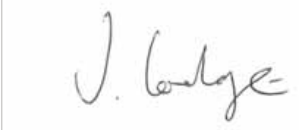
Date 07/04/17 Time 0750

ASBESTOS SURVEY REPORT
INSPECTION TYPE: Refurbishment Survey - Commercial



Warehouse Unit
Davy Way, Llay, WREXHAM, LL12 0PG

Project No:	**26983**
Client:	Police and Crime Commissioner for North Wales
Client Address:	North Wales Police, Police Federation, COLWYN BAY, LL29 9YF
Contact:	Ms Liz Bryan

Signature of Reviewer: John Lodge	
Signature of Surveyor: Garry Steadman	
Issue Date:	10/10/2014

UKAS INSPECTION
4535

PCS Asbestos Consultants Ltd., 2 Moor Lane, Highburton, Huddersfield, HD8 0QS.

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Section 1: Executive Summary

Overview
This survey inspection identified and/ or presumed 5 asbestos-containing materials.

Identified or presumed asbestos-containing materials with high material risk assessment scores						
Location ID	**Floor Level**	**Room**	**Product Type**	**Product Type**	**Surveyors Comments**	**HSG264 Material Assessment Score**
None identified						

All identified or presumed asbestos-containing materials					
Location ID	**Floor Level**	**Room**	**Product Type**	**Surveyors Comments**	**HSG264 Material Assessment Score**
45	Ground	Warehouse	Mastics	Presumed mastic to metal ducting at high level. Block walls with metal cladding above. Concrete floor. MMMF to pipework. Metal cladding to roof Survey Type:Refurbishment	**4**
48	Ground	Warehouse	Gaskets	Gaskets to pipework. Block walls with metal cladding above concrete floor. MMMF to pipework. Metal cladding to roof Survey Type:Refurbishment	**3**
52	Ground	Warehouse	Woven Insulation	Presumed woven insulation within fuse box. Open to underside of metal roof. Block walls with metal cladding above RSJ's. Concrete floor. PVC downpipes Survey Type:Refurbishment	**6**
54	Ground	Warehouse	Mastics	Presumed mastic to metal ducting at high level Survey Type:Refurbishment	**4**

Location ID	Floor Level	Room	Product Type	Surveyors Comments	HSG264 Material Assessment Score
66	First	Office	Woven Insulation	Presumed woven insulation within fuse box. MMMF to suspended ceiling tiles. Plaster to block walls. Modern vinyl flooring onto concrete floor Survey Type:Refurbishment	**6**

Areas not accessed (presume asbestos may be present until inspection has been made)

Location ID	Floor Level	Room	Accessed	Surveyors Comments
10	Ground	Store Under Stairs	No	No keys to access Survey Type:Refurbishment
94	Ground	Sub Station	No	No keys to access Survey Type:Refurbishment

Actions and Priorities Overview

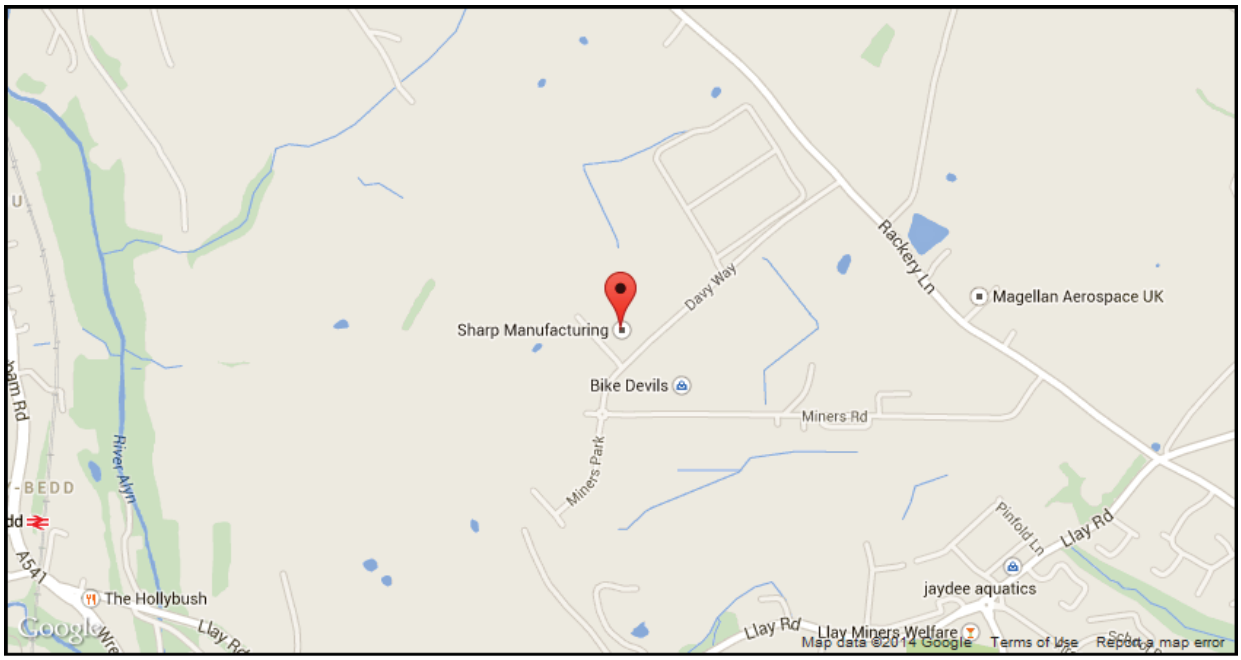
Any identified or presumed asbestos-containing materials reported will require immediate action. The premises dutyholder should form an Asbestos Management Plan for all identified or presumed asbestos-containing items. This can be done by both completing the Priority Assessment as detailed in HSG264 and preparing a plan to ensure asbestos is managed safely at the premises/ site.

Section 2: Introduction & Scope of Works

Scope of Survey(Purpose, aims and objectives):	
To locate and describe, as far as reasonably practicable, all ACMs in the area where the refurbishment work will take place. The survey will be fully intrusive and involve destructive inspection, as necessary, to gain access to all areas, including those that may be difficult to reach. Where data is used from another asbestos consultant to complete the properties asbestos register, this will be identified within the relevant inspection record(s). PCS Asbestos Consultants Ltd are accredited by the United Kingdom Accreditation Service (UKAS) for 'Surveying for Asbestos in Premises' to undertake Management, Refurbishment and Demolition Asbestos Surveys. Completion of the Priority Risk Assessment is outside the scope of our UKAS accreditation, where not previously verified by the 'Duty holder' the priority risk assessment is set at a default score of 8. The 'Duty holder' can request that the survey be updated following on site verification of the priority assessment.	
Survey Type	**Refurbishment Survey - Commercial**
Construction Type	**Metal and Breeze**
Property Use	**Commercial**
Approximate date of construction	**1900's**
Property Type	**Unknown**
Unusual Features	**No**
Underground Sections	**No**
Modifications	**No**
Outside areas to the property	**Yes**
Access Restrictions	**No**
Site Specific Hazards	**No known hazards - or rodents**

Section 3: General Site and Survey Information

Client Name And Address	**Police and Crime Commissioner for North Wales**
Client Contact	**Ms Liz Bryan**
Customer Order Reference	**FN 13400**
Address of Property Surveyed	**Davy Way, Llay, WREXHAM, LL12 0PG**
Address where report to be sent	**North Wales Police, Police Federation, COLWYN BAY, LL29 9YF**
Date of Survey	**26/09/2014**
Name of Surveyor(s)	**Garry Steadman**
Report Issue Date	**10/10/2014**
Description of the areas included	**Refurbishment survey to project areas**
Survey Method Used	**HSG 264**
Type of Survey undertaken (if mixed scope of inspection detail)	**Refurbishment Survey - Commercial**
Variations and Deviations from the method	
Agreed exclusions and inaccessible areas	





Warehouse Unit
Davy Way, Llay, WREXHAM, LL12 0PG

Terms and Conditions

This report is issued and work carried out in accordance PCS Asbestos Consultants Limited Terms & Conditions(PCS T&Cs) as in place at the time of acceptance of instruction. The PCS T&Cs are available on the website www.pcs-asbestos.co.uk.

Legal requirement to disseminate asbestos information

In accordance with the Health and Safety at Work Regulations and Regulation 10 of CAR 2012 the findings of this survey report must be made available to anyone who may be at risk from the identified or presumed asbestos-containing materials. The report should always be read as a complete document.

Access limitations and scope of inspection

The client should be aware of the possibility that asbestos-containing materials could be possible in areas not accessible at the time of the survey or outside the scope of the survey area inspected or the documented method used. It would be appropriate to presume asbestos in such areas and when access is possible contact PCS to arrange further inspections.

Refurbishment and demolition works

General note: Refurbishment and/ or demolition work will normally need a project specific asbestos inspection, which requires intrusive inspection into the building fabric to locate all potentially concealed asbestos-containing materials within the scope of each project. A Management Survey is not adequate for refurbishment or demolition works.

Section 4: Survey Results - Inspection Schedule

This table summarises all known location ID's recorded in the last edit of this property's data

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
1	Ground	Rest Room	Yes	Vinyl Product	Sampled	26983/1	No Asbestos Detected	40m2	Vinyl onto concrete floor. MMMF to suspended ceiling tiles. Plaster to block walls with PVC windows. Plasterboard and glass to lining of stud wall. Plasterboard boxing above windows. Plasterboard to boxing of RSJ Survey Type:Refurbishment		0	26983 / 827933
2	Ground	Rest Room Ceiling Void	Yes	Low density board (not IB)	Sampled	26983/2	No Asbestos Detected	5Lm	Low density board to boxing of RSJ above block wall. MMMF insulation. Modern ducting. RSJ. Block and beam soffit Survey Type:Refurbishment		0	26983 / 827935
3	Ground	Canteen	Yes	Bituminous Product	Sampled	26983/3	No Asbestos Detected	1No.	Bitumen pad to base of sink. Plaster to block walls. Plasterboard and glass to lining of stud wall. Plasterboard to boxing of RSJ. PVC window Survey Type:Refurbishment		0	26983 / 827936
4	Ground	Canteen	Yes	Vinyl Product	Cross Referenced	As 26983/1	No Asbestos Detected	80m2	Vinyl flooring onto concrete floor. Plaster to block walls. Plasterboard and glass to lining of stud wall. Plasterboard to boxing of RSJ. PVC window Survey Type:Refurbishment		0	26983 / 827938

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
5	Ground	Canteen Ceiling Void	Yes	Low density board (not IB)	Cross Referenced	As 26983/2	No Asbestos Detected	N/Q	Low density board to boxing of RSJ above block wall. MMMF insulation. Modern ducting. RSJ. Block and beam soffit. Plasterboard to lining of stud wall Survey Type:Refurbishment		0	26983 / 827941
6	Ground	Lobby	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Plaster to block walls. Plasterboard to lining of stud wall with modern fire doors. Modern vinyl flooring onto concrete floor. Plasterboard to boxing of RSJ Survey Type:Refurbishment		0	26983 / 827942
7	Ground	Lobby Ceiling Void	Yes	Low density board (not IB)	Cross Referenced	As 26983/2	No Asbestos Detected	10Lm	Low density board to lining of top of block wall. Block and beam soffit. MMMF insulation Survey Type:Refurbishment		0	26983 / 827944
8	Ground	Lobby Stairwell	Yes				.		No suspect material seen. MMMF to suspended ceiling. Plaster to block walls. Plasterboard boxing to RSJ. Modern vinyl flooring onto concrete floor. Modern PVC nosing and vinyl onto concrete stairs. Part ceiling is plasterboard Survey Type:Refurbishment		0	26983 / 827945
9	Ground	Lobby Stairwell Ceiling Void	Yes	Low density board (not IB)	Cross Referenced	As 26983/2	No Asbestos Detected	N/Q	Low density board to lining of top of block wall. Block and beam soffit. MMMF insulation Survey Type:Refurbishment		0	26983 / 827946

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
10	Ground	Store Under Stairs	No				.		No keys to access Survey Type:Refurbishment		0	26983 / 827947
11	Ground	Corridor	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Plaster to block walls. Plasterboard to lining of stud wall with modern fire doors. Modern vinyl flooring onto concrete floor Survey Type:Refurbishment		0	26983 / 827962
12	Ground	Corridor Ceiling Void	Yes	Low density board (not IB)	Cross Referenced	As 26983/2	No Asbestos Detected	10Lm	Low density board to lining of top of block wall. Block and beam soffit. RSJ. MMMF insulation. MMMF to metal pipework Survey Type:Refurbishment		0	26983 / 827963
13	Ground	Store	Yes	Thermoplastic floor tiles	Sampled	26983/13	No Asbestos Detected	2m2	Floor tiles onto concrete floor with modern vinyl flooring. MMMF to suspended ceiling tiles. Plaster to block walls. Plasterboard to boxing Survey Type:Refurbishment		0	26983 / 827966
14	Ground	Store Ceiling Void	Yes	Low density board (not IB)	Cross Referenced	As 26983/2	No Asbestos Detected	6Lm	Low density board to boxing of RSJ. Block and beam soffit. Block walls. MMMF to metal pipework Survey Type:Refurbishment		0	26983 / 827967

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
15	Ground	Disabled WC	Yes	Thermoplastic floor tiles	Sampled	26983/15	No Asbestos Detected	2m2	Floor tiles onto concrete floor. MMMF to suspended ceiling tiles. Plaster to block walls with modern wall tiles. Pot cistern and modern pipework Survey Type:Refurbishment		0	26983 / 827968
16	Ground	Disabled WC Ceiling Void	Yes				.		No suspect material seen. Block and beam soffit. Block walls Survey Type:Refurbishment		0	26983 / 827971
17	Ground	First Aid Room	Yes	Bituminous Product	Cross Referenced	As 26983/3	No Asbestos Detected	2No.	Bitumen pads to base of sink. MMMF to suspended ceiling tiles. Block walls. Metal cladding to RSJ Survey Type:Refurbishment		0	26983 / 828111
18	Ground	First Aid	Yes	Thermoplastic floor tiles	Cross Referenced	As 26983/13	No Asbestos Detected	12m2	Floor tiles onto concrete floor. MMMF to suspended ceiling tiles Block walls. Metal cladding to RSJ Survey Type:Refurbishment		0	26983 / 827973
19	Ground	First Aid Room Ceiling Void	Yes	Low density board (not IB)	Cross Referenced	As 26983/2	No Asbestos Detected	9Lm	Low density board to lining of top part of block walls. Block and beam soffit. MMMF to metal pipework Survey Type:Refurbishment		0	26983 / 827974

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
20	Ground	Ladies WC and Lobby	Yes				.		No suspect material seen. Plasterboard and MMMF to suspended ceiling tiles. Plaster to block walls. Modern tiles to part of walls. Concrete floor tiles and concrete floor. Modern vinyl to concrete floor within lobby. Modern pot cisterns and pipework. PVC soil pipe Survey Type:Refurbishment		0	26983 / 827975
21	Ground	Ladies WC and Lobby Ceiling Void	Yes				.		No suspect material seen. Block and beam to soffit. Block walls. Modern metal ducting. MMMF to metal pipework. PVC pipe Survey Type:Refurbishment		0	26983 / 827976
22	Ground	Gents WC and Lobby	Yes	Thermoplastic floor tiles	Sampled	26983/22	No Asbestos Detected	1m2	Floor tiles onto concrete floor within lobby. Plasterboard to suspended ceiling tiles. Plaster to block walls. Modern concrete floor tiles onto concrete floor. Modern pot cisterns and wall tiles Survey Type:Refurbishment		0	26983 / 827995
23	Ground	Gents WC and Lobby Ceiling Void	Yes				.		No suspect material seen. Block and beam to soffit. Block walls. Modern metal ducting. MMMF to metal pipework. PVC pipe Survey Type:Refurbishment		0	26983 / 827996
24	Ground	Store	Yes	Thermoplastic floor tiles	Sampled	26983/24	No Asbestos Detected	15m2	Floor tiles onto concrete floor. Block walls. MMMF to suspended ceiling tiles. Metal heating pipes Survey Type:Refurbishment		0	26983 / 827997

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
25	Ground	Store Ceiling Void	Yes	Low density board (not IB)	Cross Referenced	As 26983/2	No Asbestos Detected	25Lm	Low density board to boxing of RSJ. Block and beam to soffit. Block walls. Modern metal ducting. MMMF to metal pipework Survey Type:Refurbishment		0	26983 / 827998
26	Ground	Store	Yes	Thermoplastic floor tiles	Cross Referenced	As 26983/24	No Asbestos Detected	5m2	Floor tiles onto concrete floor. Block walls. MMMF to suspended ceiling tiles. Metal heating pipes Survey Type:Refurbishment		0	26983 / 827999
27	Ground	Store Ceiling Void	Yes	Low density board (not IB)	Cross Referenced	As 26983/2	No Asbestos Detected	N/Q	Low density board to boxing of RSJ. Block and beam to soffit. Block walls. Modern metal ducting. MMMF to metal pipework Survey Type:Refurbishment		0	26983 / 828000
28	Ground	Main Lobby	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Plaster to block walls. Metal and glass to stud wall. Modern concrete floor tiles onto concrete floor Survey Type:Refurbishment		0	26983 / 828001
29	Ground	Main Lobby Ceiling Void	Yes	Low density board (not IB)	Sampled	26983/29	No Asbestos Detected	N/Q	Low density board to boxing of RSJ. Block and beam to soffit. Block walls. MMMF to pipework Survey Type:Refurbishment		0	26983 / 828002

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
30	Ground	Store	Yes	Thermoplastic floor tiles	Cross Referenced	As 26983/15	No Asbestos Detected	3m2	Floor tiles onto concrete floor. Concrete soffit. Plaster to block wallls Survey Type:Refurbishment		0	26983 / 828003
31	Ground	Stairwell	Yes	Thermoplastic floor tiles	Cross Referenced	As 26983/15	No Asbestos Detected	25m2	Floor tiles onto concrete staircase. PVC nosing. Plaster to block walls. MMMF to suspended ceiling tiles Survey Type:Refurbishment		0	26983 / 828004
32	Ground	Office Area	Yes	Thermoplastic floor tiles	Cross Referenced	As 26983/15	No Asbestos Detected	80m2	Floor tiles onto concrete floor under carpet. MMMF to suspended ceiling tiles. Plaster to block walls. Plasterboard to lining of stud wall. Plasterboard boxing above PVC windows Survey Type:Refurbishment		0	26983 / 828005
33	Ground	Office Area	Yes	Insulating board (IB)	Sampled	26983/33	No Asbestos Detected	N/Q	Insulating board to boxing of PVC soil pipe to back of metal cladding Survey Type:Refurbishment		0	26983 / 828093
34	Ground	Office Area Ceiling Void	Yes	Low density board (not IB)	Cross Referenced	As 26983/29	No Asbestos Detected	N/Q	Low density board to boxing of RSJ's. Block and beam to soffit. Block walls. MMMF to metal pipework. Modern ducting Survey Type:Refurbishment		0	26983 / 828094

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
35	Ground	Corridor	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Plaster to block walls. Plasterboard to lining of stud wall with modern fire doors. Modern vinyl flooring onto concrete floor Survey Type:Refurbishment		0	26983 / 828095
36	Ground	Corridor Ceiling Void	Yes	Low density board (not IB)	Cross Referenced	As 26983/29	No Asbestos Detected	N/Q	Low density board to boxing of RSJ's. Block walls. MMMF to metal pipework Survey Type:Refurbishment		0	26983 / 828097
37	Ground	Wash Room	Yes	Low density board (not IB)	Cross Referenced	As 26983/29	No Asbestos Detected	N/Q	Low density board to boxing of RSJ. MMMF to suspended ceiling tiles. Plaster to block walls. Plasterboard to lining of stud walls. Modern vinyl flooring onto concrete floor. Modern pipework. MMMF to RSJ at back of metal cladding Survey Type:Refurbishment		0	26983 / 828098
38	Ground	Warehouse	Yes				.		No suspect material seen. Open to underside of metal clad roof with RSJ and steel work. Metal cladding to block and external walls. Metal cladding to internal wall. Concrete floor. Modern ducting and heater. Metal staircase Survey Type:Refurbishment		0	26983 / 828099
39	Ground	Office	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Block walls with timber window and door. Concrete floor Survey Type:Refurbishment		0	26983 / 828101

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
40	Ground	Office	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Block walls with timber window and door. Concrete floor Survey Type:Refurbishment		0	26983 / 828102
41	Ground	Holding Area 1	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Block walls. RSJ. Concrete floor Survey Type:Refurbishment		0	26983 / 828103
42	Ground	Holding Area 1 Ceiling Void	Yes				.		No suspect material seen. Block and beam to soffit. MMMF insulation. MMMF to pipework Survey Type:Refurbishment		0	26983 / 828104
43	Ground	Holding Area 2	Yes	Low density board (not IB)	Sampled	26983/43	No Asbestos Detected	N/Q	Low density board to boxing of RSJ. MMMF suspended ceiling tiles with chipboard and steel work above. Block walls. Plasterboard to lining of stud walls. Concrete floor Survey Type:Refurbishment		0	26983 / 828105
44	Ground	Office	Yes				.		No suspect material seen. MMMF to suspended ceiling tile with chipboard and steel work above. Plasterboard to lining of stud walls. Block walls. Carpet to concrete floor Survey Type:Management		0	26983 / 828106

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
45	Ground	Warehouse	Yes	Mastics	Presumed		Crocidolite, Amosite and Chrysotile	N/Q	Presumed mastic to metal ducting at high level. Block walls with metal cladding above. Concrete floor. MMMF to pipework. Metal cladding to roof Survey Type:Refurbishment		4	26983 / 827972
46	Ground	Warehouse	Yes	Cement product	Cross Referenced	26983/46	No Asbestos Detected	60m2	Cement to lining of external walls. Block walls with metal cladding above. Concrete floor. MMMF to pipework. Metal cladding to roof Survey Type:Refurbishment		0	26983 / 828109
47	Ground	Warehouse	Yes	Insulating board (IB)	Sampled	26983/47	No Asbestos Detected	N/Q	Insulating board to lining of RSJ's and to top part of block wall to office below roof. Block walls with metal cladding above concrete floor. MMMF to pipework. Metal cladding to roof Survey Type:Refurbishment		0	26983 / 828110
48	Ground	Warehouse	Yes	Gaskets	Sampled	26983/48	Chrysotile	N/Q	Gaskets to pipework. Block walls with metal cladding above concrete floor. MMMF to pipework. Metal cladding to roof Survey Type:Refurbishment		3	26983 / 828112
49	Ground	Warehouse	Yes	Cement product	Cross Referenced	As 26983/46	No Asbestos Detected	3m2	Cement to boxing of high voltage cables Survey Type:Refurbishment		0	26983 / 828113

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
50	Ground	Warehouse	Yes	Insulating board (IB)	Cross Referenced	As 26983/47	No Asbestos Detected	<1m2	Insulating board panel to block wall around pipework Survey Type:Refurbishment		0	26983 / 828114
51	Ground	Warehouse	Yes	Bituminous Product	Sampled	26983/51	No Asbestos Detected	1No.	Bitumen pad to base of sink unit Survey Type:Refurbishment		0	26983 / 828115
52	Ground	Warehouse	Yes	Woven Insulation	Presumed		Crocidolite, Amosite and Chrysotile	3No.	Presumed woven insulation within fuse box. Open to underside of metal roof. Block walls with metal cladding above RSJ's. Concrete floor. PVC downpipes Survey Type:Refurbishment		6	26983 / 828116
53	Ground	Warehouse	Yes	Low density board (not IB)	Sampled	26983/53	No Asbestos Detected	N/Q	Low density board to boxing of RSJ's Survey Type:Refurbishment		0	26983 / 828118
54	Ground	Warehouse	Yes	Mastics	Presumed		Crocidolite, Amosite and Chrysotile	N/Q	Presumed mastic to metal ducting at high level Survey Type:Refurbishment		4	26983 / 828119

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
55	Ground	Packing Area	Yes	Mastics	Sampled	26983/55	No Asbestos Detected	N/Q	Mastic to metal ducting. MMMF to suspended ceiling tiles with chipboard and steel work above. Metal cladding to lining of wall and block walls. Concrete floor Survey Type:Refurbishment		0	26983 / 828122
56	Ground	Packing Area	Yes	Insulating board (IB)	Sampled	26983/56	No Asbestos Detected	N/Q	Insulating board to boxing of RSJ under metal cladding to columns Survey Type:Refurbishment		0	26983 / 828124
57	Ground	Meter Room	Yes				.		No suspect material seen. Open to underside of metal roof. Block walls. Metal cladding with MMMF insulation. Modern fuse box and high voltage cable Survey Type:Refurbishment		0	26983 / 828125
58	Ground	Plant Room	Yes				.		No suspect material seen. Open to underside of metal roof. Block walls. Metal cladding with MMMF insulation. Modern fuse box and high voltage cable. PVC pipework. MMMF to pipework Survey Type:Refurbishment		0	26983 / 828128
59	First	Office	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Plaster to block walls. Plasterboard to lining of stud walls. Modern vinyl flooring onto concrete floor Survey Type:Refurbishment		0	26983 / 828129

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
60	First	Office Ceiling Void	Yes				.		No suspect material seen. Open to underside of metal roof with RSJ and steel work. Block wall with metal cladding to walls. MMMF insulation Survey Type:Refurbishment		0	26983 / 828130
61	First	Office	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Plaster to block walls. Plasterboard to lining of stud walls. Modern vinyl onto concrete floor Survey Type:Refurbishment		0	26983 / 828133
62	First	Office Ceiling Void	Yes				.		No suspect material seen. Open to underside of metal roof with RSJ and steel work. Block wall with metal cladding to walls. MMMF insulation Survey Type:Refurbishment		0	26983 / 828134
63	First	Stairwell	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Plaster to block walls. Modern vinyl onto concrete stairs and floor. Modern PVC nosing Survey Type:Refurbishment		0	26983 / 828135
64	First	Stairwell Ceiling Void	Yes				.		No suspect material seen. Open to underside of metal roof with steel work. Block walls. MMMF insulation Survey Type:Refurbishment		0	26983 / 828136

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
65	First	Office	Yes	Bituminous Product	Sampled	26983/65	No Asbestos Detected	2No.	Bitumen pads to base of sink unit. MMMF to suspended ceiling tiles. Plaster to block walls. Modern vinyl flooring onto concrete floor Survey Type:Refurbishment		0	26983 / 828138
66	First	Office	Yes	Woven Insulation	Presumed		Crocidolite, Amosite and Chrysotile	1No.	Presumed woven insulation within fuse box. MMMF to suspended ceiling tiles. Plaster to block walls. Modern vinyl flooring onto concrete floor Survey Type:Refurbishment		6	26983 / 828139
67	First	Office Ceiling Void	Yes				.		No suspect material seen. Open to underside of metal roof with steel work. Block walls. MMMF insulation Survey Type:Refurbishment		0	26983 / 828140
68	First	Store Area	Yes	Insulating board (IB)	Sampled	26983/68	No Asbestos Detected	14Lm	Insulating board to lining of top part of block wall to underside of metal roof. Plasterboard and plywood to lining of stud walls. Concrete and chipboard to floor. Modern metal ducting Survey Type:Refurbishment		0	26983 / 828141
69	First	Store Area	Yes	Mastics	Sampled	26983/69	No Asbestos Detected	N/Q	Mastic to metal ducting. Open to underside of metal roof. Metal cladding to external. MMMF to metal pipework. Chipboard flooring. Modern heater unit. RSJ Survey Type:Refurbishment		0	26983 / 828143

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
70	First	Store Area	Yes	Insulating board (IB)	Sampled	26983/70	No Asbestos Detected	2m2	Insulating board to two panels. PVC pipework. Modern high voltage cables. Open to underside of metal roof. Metal cladding to external. MMMF to metal pipework. Chipboard flooring. Modern heater unit. RSJ Survey Type:Refurbishment		0	26983 / 828144
71	First	Office	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Plasterboard to lining of stud walls. Block wall. Chipboard to floor Survey Type:Refurbishment		0	26983 / 828145
72	First	Boiler Room	Yes	Insulating board (IB)	Cross Referenced	As 26983/68	No Asbestos Detected	1m2	Insulating board panel to block wall. Concrete floor. Modern MMMF to metal pipework. Metal soil pipe. PVC cistern Survey Type:Refurbishment		0	26983 / 828146
73	First	Boiler Room	Yes	Mastics	Sampled	26983/73	No Asbestos Detected	N/Q	Mastic to metal ducting. Modern boilers and PVC pipework. Modern metal flue pipes Survey Type:Refurbishment		0	26983 / 828149
74	First	Boiler Room	Yes	Insulating board (IB)	Cross Referenced	As 26983/68	No Asbestos Detected	15m2	Insulating board to lining of ceiling. Modern boiler and PVC pipework. Modern metal flue pipe Survey Type:Refurbishment		0	26983 / 828150

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
75	First	Office Area	Yes	Thermoplastic floor tiles	Sampled	26983/75	No Asbestos Detected	N/Q	Floor tiles onto concrete floor. MMMF to suspended ceiling tiles. Plaster to block walls and plasterboard to lining of stud walls Survey Type:Refurbishment		0	26983 / 828151
76	First	Office Area	Yes	Bituminous Product	Sampled	26983/76	No Asbestos Detected	N/Q	Bitumen onto concrete floor under floor tiles. MMMF to suspended ceiling tiles. Plaster to block walls and plasterboard to lining of stud walls Survey Type:Refurbishment		0	26983 / 828152
77	First	Office Area Ceiling Void	Yes				.		No suspect material seen. Open to underside of metal roof. Block walls. Modern MMMF insulation. PVC soil pipes. RSJ's. Modern ducting Survey Type:Refurbishment		0	26983 / 828153
78	First	Office	Yes	Bituminous Product	Cross Referenced	As 26983/76	No Asbestos Detected	30m2	Bitumen onto concrete floor under floor tiles Survey Type:Refurbishment		0	26983 / 828154
79	First	Office	Yes	Bituminous Product	Cross Referenced	As 26983/76	No Asbestos Detected	30m2	Bitumen onto concrete floor under floor tiles Survey Type:Refurbishment		0	26983 / 828155

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
80	First	Office Ceiling Void	Yes				.		No suspect material seen. Open to underside of metal roof. Block walls. Modern MMMF insulation. PVC soil pipes. RSJ's. Modern ducting Survey Type:Refurbishment		0	26983 / 828156
81	First	Office	Yes	Insulating board (IB)	Sampled	26983/81	No Asbestos Detected	N/Q	Insulating board to lining of RSJ within metal boxing. MMMF to suspended ceiling tiles. Plaster to block walls. Plasterboard to lining of stud walls. Carpet tiles to concrete floor Survey Type:Refurbishment		0	26983 / 828157
82	First	Office Ceiling Void	Yes				.		No suspect material seen. Open to underside of metal roof with RSJ. MMMF insulation Survey Type:Refurbishment		0	26983 / 828158
83	First	Office	Yes				.		No suspect material seen. MMMF to suspended ceiling tiles. Plaster to block walls. Plasterboard to lining of stud walls. Carpet tiles to concrete floor Survey Type:Refurbishment		0	26983 / 828160
84	First	Office Ceiling Void	Yes				.		No suspect material seen. Open to underside of metal roof with RSJ. MMMF insulation. Block walls Survey Type:Refurbishment		0	26983 / 828161

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
85	First	Lobby	Yes	Thermoplastic floor tiles	Sampled	26983/85	No Asbestos Detected	2m2	Floor tiles onto concrete floor. MMMF to suspended ceiling tiles. Plaster to block wall. Plasterboard to lining of stud wall Survey Type:Refurbishment		0	26983 / 828163
86	First	Lobby Ceiling Void	Yes				.		No suspect material seen. MMMF to fire blanket. Open to underside of metal roof. MMMF insulation Survey Type:Refurbishment		0	26983 / 828164
87	First	Lobby	Yes	Thermoplastic floor tiles	Cross Referenced	As 26983/85	No Asbestos Detected	20m2	Floor tiles onto concrete floor. MMMF to suspended ceiling tiles. Plaster to block wall. Plasterboard to lining of stud wall Survey Type:Refurbishment		0	26983 / 828165
88	First	Lobby	Yes	Bituminous Product	Cross Referenced	As 26983/65	No Asbestos Detected	2No.	Bitumen pad to underside of sink unit. MMMF to suspended ceiling tiles. Plaster to block wall. Plasterboard to lining of stud wall Survey Type:Refurbishment		0	26983 / 828167
89	First	Lobby Ceiling Void	Yes	Mastics	Cross Referenced	As 26983/69	No Asbestos Detected	N/Q	Mastic to metal ducting. Open to underside of metal roof. Block wall. Modern MMMF insulation. PVC soil pipe. RSJ's. Modern ducting Survey Type:Refurbishment		0	26983 / 828168

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
90	First	Ladies WC and Lobby	Yes	Thermoplastic floor tiles	Cross Referenced	As 26983/85	No Asbestos Detected	1m2	Floor tiles onto concrete floor within lobby. Plasterboard to suspended ceiling tiles. Plaster to block walls. Survey Type:Refurbishment		0	26983 / 828170
91	First	Ladies WC and Lobby Ceiling Voids	Yes	Mastics	Cross Referenced	As 26983/69	No Asbestos Detected	N/Q	Mastic to metal ducting. Open to underside of metal roof. MMMF insulation. MMMF to pipework. Ceiling void is open over Gents WC Survey Type:Refurbishment		0	26983 / 828171
92	First	Gents WC and Lobby	Yes	Thermoplastic floor tiles	Cross Referenced	As 26983/85	No Asbestos Detected	1m2	Floor tiles onto concrete floor within lobby. Plasterboard to suspended ceiling tiles. Plaster to block walls Survey Type:Refurbishment		0	26983 / 828172
93	First	Stairwell	Yes	Thermoplastic floor tiles	Cross Referenced	As 26983/85	No Asbestos Detected	20m2	Floor tiles onto concrete floor with modern PVC nosings. Plaster to block walls. MMMF to suspended ceiling tiles Survey Type:Refurbishment		0	26983 / 828174
94	Ground	Sub Station	No				.		No keys to access Survey Type:Refurbishment		0	26983 / 828175

Location ID	Floor Level	Location/Room ref	Accessed	Product Type	Sample Type	Sample No	Analysis Result	Extent	Surveyors Comments	Photo	Material Assessment Score	Record ID
95	Ground	External	Yes				.		No suspect material seen. Metal cladding to all walls and canopy with steel work. PVC windows Survey Type:Refurbishment		0	26983 / 828176
96	Ground	Roof	Yes				.		Metal cladding to roof with steel work, only viewed from inside of building Survey Type:Refurbishment		0	26983 / 828177

Section 5: Actions & Priorities

This table summarises all identified or presumed asbestos-containing materials recorded in the last edit of this property's data.

Location ID	Floor Level	Location / Room ref	Product Type	Access-ibility	Sample Type	Sample No	Analysis Result	Surface Treatment	Extent of Damage	Surveyors Comments	Photo	Proposed Management Action	Material Assessment Score	Priority Assessment Score	Record ID
45	Ground	Warehouse	Mastics	Difficult	Presumed		Crocidolite, Amosite and Chrysotile	Composite materials - reinforced plastics, resins, floortiles, etc	Good condition - no visible damage	Presumed mastic to metal ducting at high level. Block walls with metal cladding above. Concrete floor. MMMF to pipework. Metal cladding to roof Survey Type:Refurbishment		Monitor and re-inspect condition of material and review the remedial works action prior to any maintenance, refurbishment or demolition works	4	8	26983 / 827972
48	Ground	Warehouse	Gaskets	Medium	Sampled	26983/48	Chrysotile	Composite materials - reinforced plastics, resins, floortiles, etc	Good condition - no visible damage	Gaskets to pipework. Block walls with metal cladding above concrete floor. MMMF to pipework. Metal cladding to roof Survey Type:Refurbishment		Monitor and re-inspect condition of material and review the remedial works action prior to any maintenance, refurbishment or demolition works	3	8	26983 / 828112
52	Ground	Warehouse	Woven Insulation	Medium	Presumed		Crocidolite, Amosite and Chrysotile	Enclosed sprays, lagging, IB (exposed face painted) or cement	Good condition - no visible damage	Presumed woven insulation within fuse box. Open to underside of metal roof. Block walls with metal cladding above RSJ's. Concrete floor. PVC downpipes Survey Type:Refurbishment		Monitor and re-inspect condition of material and review the remedial works action prior to any maintenance, refurbishment or demolition works	6	8	26983 / 828116

Location ID	Floor Level	Location / Room ref	Product Type	Access-ibility	Sample Type	Sample No	Analysis Result	Surface Treatment	Extent of Damage	Surveyors Comments	Photo	Proposed Management Action	Material Assessment Score	Priority Assessment Score	Record ID
54	Ground	Warehouse	Mastics	Difficult	Presumed		Crocidolite, Amosite and Chrysotile	Composite materials - reinforced plastics, resins, floortiles, etc	Good condition - no visible damage	Presumed mastic to metal ducting at high level Survey Type:Refurbishment		Monitor and re-inspect condition of material and review the remedial works action prior to any maintenance, refurbishment or demolition works	4	8	26983 / 828119
66	First	Office	Woven Insulation	Medium	Presumed		Crocidolite, Amosite and Chrysotile	Enclosed sprays, lagging, IB (exposed face painted) or cement	Good condition - no visible damage	Presumed woven insulation within fuse box. MMMF to suspended ceiling tiles. Plaster to block walls. Modern vinyl flooring onto concrete floor Survey Type:Refurbishment		Monitor and re-inspect condition of material and review the remedial works action prior to any maintenance, refurbishment or demolition works	6	8	26983 / 828139

Section 6: Site Sketches

This section is independently numbered.

Asbestos Survey Site Sketch

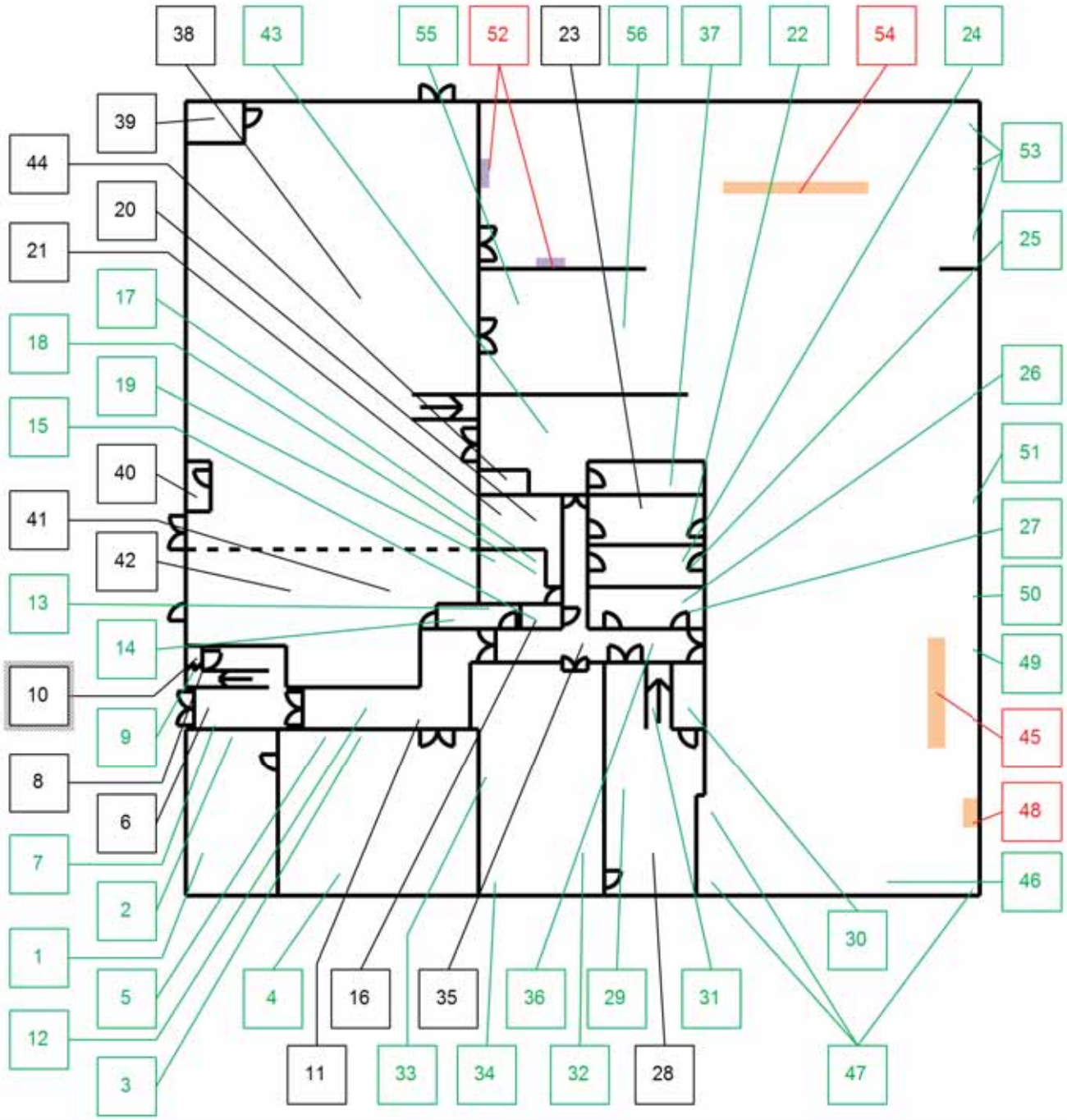
PCS Asbestos Consultants

Project No: 26983
Building Name: Police and Crime Commissioner for North Wales, Warehouse Unit, Davy Way, Llay, Wrexham

Diagram No: 1/3

Floor Level: Ground

Survey Date: 26/09/2014



Asbestos Key

- Insulating Board
- Textured Coating
- Vinyl and Floor Tiles
- Coatings including sprayed materials
- Bitumen, Composites and Other Products
- Cement Products
- Ropes and Woven Products
- Thermal Insulation

North Point

N/A

Scale

N/A

Approximate for identification. Do not scale

Location Identification

- 1 — No Asbestos Detected
- 1 — Asbestos Detected
- 1 — Non Asbestos Inspection
- Specific area of no access

This site sketch is intended to show the approximate location of known and suspected asbestos containing materials in relation to this project only and is not designed for any other purpose. This diagram is in colour.

Site Sketch Portrait_v4 25 6 12

Asbestos Survey Site Sketch

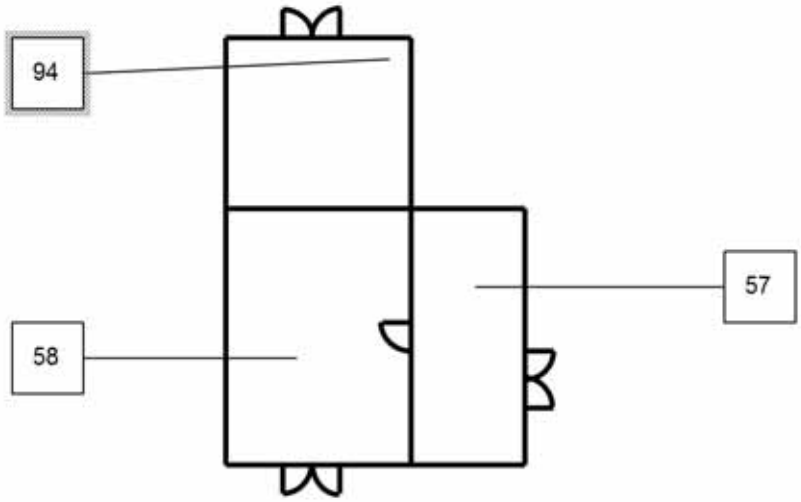
PCS Asbestos Consultants

Project No: 26983
Building Name: Police and Crime Commissioner for North Wales, Warehouse Unit, Davy Way, Llay, Wrexham

Diagram No: 2/3

Floor Level: Ground

Survey Date: 26/09/2014



95 - External

96 - Roof

Asbestos Key

- Insulating Board
- Textured Coating
- Vinyl and Floor Tiles
- Coatings including sprayed materials
- Bitumen, Composites and Other Products
- Cement Products
- Ropes and Woven Products
- Thermal Insulation

North Point

N/A

Scale

6m

Approximate for identification. Do not scale

Location Identification

1 No Asbestos Detected

1 Asbestos Detected

1 Non Asbestos Inspection

Specific area of no access

This site sketch is intended to show the approximate location of known and suspected asbestos containing materials in relation to this project only and is not designed for any other purpose. This diagram is in colour.

Site Sketch Portrait_v4 25 6 12

Asbestos Survey Site Sketch

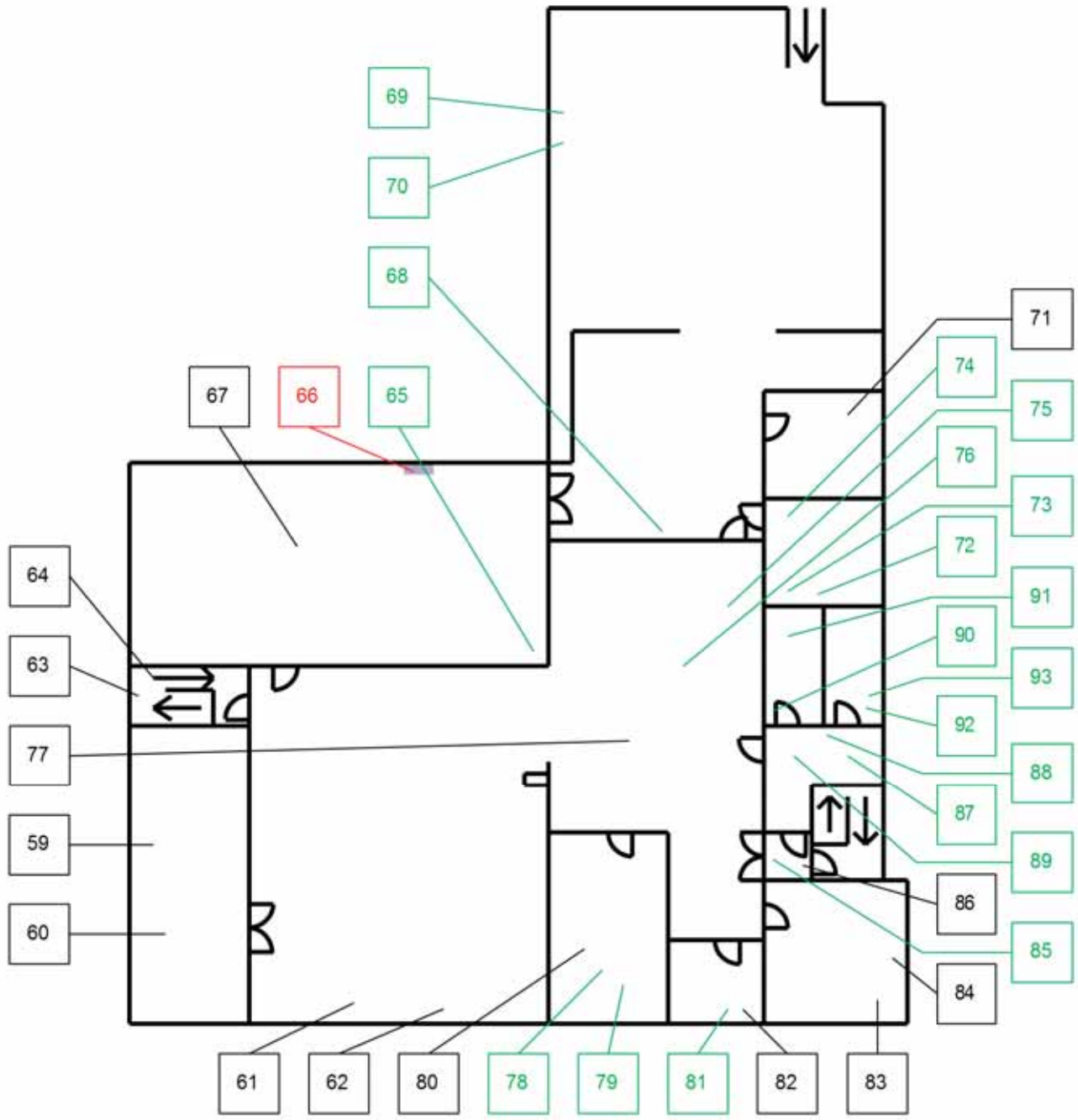
PCS Asbestos Consultants

Project No: 26983
Building Name: Police and Crime Commissioner for North Wales, Warehouse Unit, Davy Way, Llay, Wrexham

Diagram No: 3/3

Floor Level: First

Survey Date: 26/09/2014



Asbestos Key

- Insulating Board
- Textured Coating
- Vinyl and Floor Tiles
- Coatings including sprayed materials
- Bitumen, Composites and Other Products
- Cement Products
- Ropes and Woven Products
- Thermal Insulation

North Point

N/A

Scale

N/A

Approximate for identification. Do not scale

Location Identification

- 1 — No Asbestos Detected
- 1 — Asbestos Detected
- 1 — Non Asbestos Inspection
- Specific area of no access

This site sketch is intended to show the approximate location of known and suspected asbestos containing materials in relation to this project only and is not designed for any other purpose. This diagram is in colour.

Site Sketch Portrait_v4 25 6 12

Section 7: Testing and Analysis Certificate(s)

This section is independently numbered.

Certificate of Bulk Analysis

Asbestos Fibre Identification in Bulk Samples

SHIELD ON-SITE SERVICES
Keeping the Future in Shape

Task No	428032
Start Date	29/09/2014

Client	PCS Asbestos Consultants First Floor 2 Moor Lane Highburton Huddersfield HD8 0QS

Property	26983
Property Ref	PCSA26983

Instructed By	M Helks
Sampled By	Client Representative
Samples Received	29/09/2014
No of samples for this task	26

Not sampled by Shield On-Site Services* ☑ Samples analysed within mobile lab ☐

Analysts Signature		Authoriser Signature	
			
Analysts Name	Ian Knight	Authoriser Name	Ian Knight
		Authoriser Position	Lab Technician
Analysis Date	30/09/2014	Authorised Date	30/09/2014

Opinions and interpretations expressed herein are outside of the scope of UKAS accreditation.
This certificate shall not be reproduced, except in full, without prior written approval by Shield On-Site Services and the results given relate to the items tested as specified.

*Shield On-Site Services cannot accept responsibility for sampling errors where the sample is provided by yourselves.

This certificate details samples taken from within the scope of this task. Task specific certificates of analysis can be provided for previous tasks on request.

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Certificate of Bulk Analysis

Asbestos Fibre Identification in Bulk Samples

SHIELD ON-SITE SERVICES
Keeping the Future in Shape

Sample No.	Material Description	Room ID Description Element	Analysis Result	Analysis Date TaskNo Unique ID
111/001	Vinyl Product	(Cust Ref: PCS26983/1)	No Asbestos Detected	30/09/2014 428032 3765614
111/002	Low Density Board (not IB)	(Cust Ref: PCS26983/2)	No Asbestos Detected	30/09/2014 428032 3765615
111/003	Bituminous Product	(Cust Ref: PCS26983/3)	No Asbestos Detected	30/09/2014 428032 3765616
111/013	Vinyl Product	(Cust Ref: PCS26983/13)	No Asbestos Detected	30/09/2014 428032 3765617
111/015	Vinyl Product	(Cust Ref: PCS26983/15)	No Asbestos Detected	30/09/2014 428032 3765618
111/022	Vinyl Product	(Cust Ref: PCS26983/22)	No Asbestos Detected	30/09/2014 428032 3765619
111/024	Vinyl Product	(Cust Ref: PCS26983/24)	No Asbestos Detected	30/09/2014 428032 3765620
111/029	Low Density Board (not IB)	(Cust Ref: PCS26983/29)	No Asbestos Detected	30/09/2014 428032 3765621
111/033	Insulating Board (IB)	(Cust Ref: PCS26983/33)	No Asbestos Detected	30/09/2014 428032 3765622
111/043	Insulating Board (IB)	(Cust Ref: PCS26983/43)	No Asbestos Detected	30/09/2014 428032 3765623
111/046	Cement Product	(Cust Ref: PCS26983/46)	No Asbestos Detected	30/09/2014 428032 3765624
111/047	Insulating Board (IB)	(Cust Ref: PCS26983/47)	No Asbestos Detected	30/09/2014 428032 3765625
111/048	Gaskets	(Cust Ref: PCS26983/48)	Chrysotile	30/09/2014 428032 3765626
111/051	Bituminous Product	(Cust Ref: PCS26983/51)	No Asbestos Detected	30/09/2014 428032 3765627

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Certificate of Bulk Analysis

Asbestos Fibre Identification in Bulk Samples

SHIELD ON-SITE SERVICES
Keeping the Future in Shape

Sample No.	Material Description	Room ID Description Element	Analysis Result	Analysis Date TaskNo Unique ID
111/053	Low Density Board (not IB)	(Cust Ref: PCS26983/53)	No Asbestos Detected	30/09/2014 428032 3765628
111/055	Mastics	(Cust Ref: PCS26983/55)	No Asbestos Detected	30/09/2014 428032 3765629
111/056	Insulating Board (IB)	(Cust Ref: PCS26983/56)	No Asbestos Detected	30/09/2014 428032 3765630
111/065	Bituminous Product	(Cust Ref: PCS26983/65)	No Asbestos Detected	30/09/2014 428032 3765631
111/068	Insulating Board (IB)	(Cust Ref: PCS26983/68)	No Asbestos Detected	30/09/2014 428032 3765632
111/069	Mastics	(Cust Ref: PCS26983/69)	No Asbestos Detected	30/09/2014 428032 3765633
111/070	Insulating Board (IB)	(Cust Ref: PCS26983/70)	No Asbestos Detected	30/09/2014 428032 3765634
111/073	Mastics	(Cust Ref: PCS26983/73)	No Asbestos Detected	30/09/2014 428032 3765635
111/075	Floor Product and Adhesive	(Cust Ref: PCS26983/75)	No Asbestos Detected	30/09/2014 428032 3765636
111/076	Bituminous Product	(Cust Ref: PCS26983/76)	No Asbestos Detected	30/09/2014 428032 3765637
111/081	Insulating Board (IB)	(Cust Ref: PCS26983/81)	No Asbestos Detected	30/09/2014 428032 3765638
111/085	Vinyl Product	(Cust Ref: PCS26983/85)	No Asbestos Detected	30/09/2014 428032 3765639

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Certificate of Bulk Analysis

Asbestos Fibre Identification in Bulk Samples

Keeping the Future in Shape

Sample No.	Material Description	Room ID Description Element	Analysis Result	Analysis Date TaskNo Unique ID

Test Notes: Samples submitted for examination have been analysed to determine the presence or not of asbestos fibres (Asbestos Grunerite (Amosite); Crocidolite; Chrysotile; Asbestos Tremolite; Asbestos Anthophyllite; and Asbestos Actinolite) using in-house documented method CN1045 if performed within the permanent laboratory or in line with CN1046 if analysis is performed within the mobile bulk laboratory. All methods are in accordance with HSG 248 (March 2005).
Due to the requirements in HSG 248 (Asbestos - The Analysts Guide, Appendix II), we are not permitted to record quantity other than where '1 or 2 fibres' of asbestos are identified which is shown as 'Trace'. Opinions and interpretations are outside the scope of UKAS accreditation.

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Section 8: PCS Documented Inspection Method

This section is independently numbered.

PCS
Asbestos Consultants

CD1 – DOCUMENTED INSPECTION METHOD

CONTROLLED COPY			
Issued By	**Role**	**Qualifications**	**Date**
Matthew Helks	Technical Manager	CoCA	10/2/12
Signature			
Uncontrolled copy if not signed			
Copy No	7	**Version No**	8

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1.0 Introduction

1.1 General

It is the policy of PCS Asbestos Consultants Ltd to undertake Management, Refurbishment and Demolition Asbestos Surveys in accordance with HSG 264 – Asbestos, The Survey Guide, Second Edition.

The purpose of this method is to provide detailed instructions to the PCS Surveyors/Office on how to plan and undertake asbestos surveys in accordance with HSG 264 - Asbestos, The Survey Guide, Second Edition. The method covers all aspects of the survey process from the initial survey planning stage until the report is issued to the client. It also documents the Quality Assurance that is undertaken by our company.

The company recognises three types of surveys that are undertaken by PCS Asbestos Consultants in accordance with guidance from UKAS:-

- Management Survey (s)
- Refurbishment Survey (s)
- Demolition Survey (s)

2.0 Survey Planning

2.1 General

The key to an effective survey is the planning. The degree of planning and preparation will depend on the extent and complexity of the buildings to be surveyed.

The office / surveyor prior to commencing the survey will collect the following information:-

- Details of buildings or parts of the building to be surveyed and survey type (s)
- Details of building (s) use, processes, hazards, priority areas
- Plans, documents, reports and surveys on design, structure and construction
- Safety and security information: fire alarm testing, special clothing areas
- Access arrangements and permits
- Contacts for operational or health and safety issues.

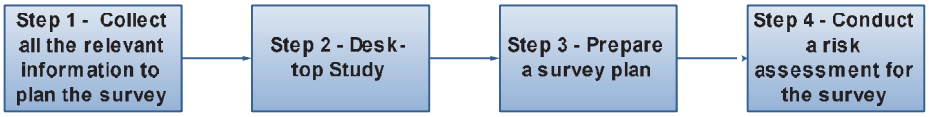
3.0 Survey Planning Procedure

3.1 General

The office / PCS surveyor will establish with the client (Duty Holder) during consultation what type of survey is required. The survey planning process will be structured as per the process below. Where the survey involves sampling or asbestos disturbance, a site specific risk assessment and plan of works will be prepared as required under the Control of Asbestos Regulations (CAR) 2012.

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The procedure followed by PCS Asbestos Consultants for survey planning is summarised below:-



3.2 Step 1 – Collect all the relevant information to plan the survey

The office / PCS surveyor will collect the survey information to ensure that the survey is completed efficiently, effectively and safely, and that it meets the client's requirements. The information will be gathered as early as possible to enable thorough planning.

PCS Asbestos recognises that the ideal situation would be to arrange a preliminary site meeting; however this may not be always possible. If a site meeting is not held, as much information will be collected by other means (Survey planning questionnaire) such as post/e-mail/phone, or by a preliminary meeting and walk-through immediately before the survey). The survey planning questionnaire will also be used to capture this information.

The following list of information should be collected where possible prior to the survey commencing on site:-

- Description and use of property (i.e. industrial, office, retail, domestic, education, health care etc).
- Number of buildings: age, type and construction details.
- Number of rooms.
- Any unusual features, underground sections.
- Details about whether the buildings have been extended, adapted or property refurbished, and if it has, when the work was done.
- Any plant or equipment installed.
- Whether a listed building, conservation area etc.

  Extent or scope of survey required
- Whether the surrounding ground and associated buildings or structures are to be included in the scope of the survey.
- Current plans or drawings of the site.
- Previous plans, including architects' original drawings and specifications and subsequent plans for major changes and refurbishment.
- Whether the premises are vacant or occupied.
- Any restrictions on access.
- Special requirements or instructions.
- Responsibility and arrangements for access.
- Whether survey damage is to be made good (refurbishment/demolition

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surveys).

- Site-specific hazards (mechanical, electrical, chemical etc).
- Responsibility for isolation of services, power, gas, chemicals etc.
- Working machinery or plant (including lifts) to be made safe (these are covered in greater detail in Step 4).
- If photos are to be taken.
- An estimate of how many bulk samples will be necessary.
- The location of all services, heating and ventilation ducts, plant rooms, riser shafts and lift shafts.
- Details of any previous asbestos surveys (Type 1/2/3 Surveys), current asbestos registers and all records of asbestos removal or repairs.
- Information on possible repairs to ACMs, e.g. pipe/thermal insulation.
- Ceiling heights and the requirement to arrange specialist access equipment for high level inspection and sampling so that this can be arranged by the PCS office prior to the surveyors arrival on site.
- History of the site: any buildings previously demolished; presence of underground ducts or shafts etc

3.3 Step 2 – Consider the Information (desk-top study)

The desk-top exercise gives the surveyor/office the opportunity to review the information, plan the survey strategy and consider any information that may be missing as part of the survey.

The following information will be considered as part of the desk-top study:-

Office:-

- Surveyors competency to undertake the survey
- Available resources
- Programme of works
- Specialist access equipment required, for example working at height

Surveyor:-

- Expected equipment to be used for access - access towers/mobile elevated working platforms etc
- Additional trades required
- Bulk sampling strategy

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3.4 Step 3 – Prepare a survey plan

Following a desk-top study, a written plan for the survey will be produced. The plan will set out the content of the survey and will form the basis of the contract with the client. The PCS survey plan will normally specify the following:-

Scope:-

- The scope of the buildings' survey.
- Any external areas to be included.
- Any areas to be excluded.
- The type of survey (management, refurbishment and demolition).
- any possible or known ACMs, **not** to be included in the survey.

Survey procedure (The survey procedure and sampling strategy including):--

- An estimate of numbers of samples and sampling methods;
- An estimate of the numbers of photographs;
- procedures for making good any damage;
- agreed working times on site;
- agreed signage;
- access arrangements;
- agreed start and predicted completion dates;
- the material assessment method and the parameters to be assessed (e.g. product type, location, extent, condition and accessibility of ACMs);
- the information to be recorded and the method and format to be used;
- the quality assurance checks and procedures to be undertaken;
- any known areas within the property where access will not be possible .
- Access equipment required for high level access

Personnel and safety issues:-

- Names of surveyors (for security purposes).
- Safety precautions from the surveyor's risk assessment, including steps to minimise asbestos disturbance and prevent asbestos spread.
- Site safety procedures for emergencies including decontamination etc.

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Report:-

- Report format
- What data will be reported
- How the data will be presented (each room/area should be individually recorded).
- The way the survey data will be stored, accessed and updated (e.g. a paper copy in the site manager 's office or a computer database accessible on a network or the internet).
- The way photographic or video records and marked-up plans will be stored and reported.
- How to record asbestos look-alike materials (if not sampled).
- Other information required by the client that may have been agreed .

3.5 Step 4 – Conduct a risk assessment for the survey

The surveying process will present health and safety issues to surveyors and third parties. It is therefore the policy of PCS prior to the survey commencing on site to undertake an assessment of the risks to the surveying and sampling personnel and building occupants. PCS will also collect information from the client relating to any site specific hazards at step 1 of the planning process.

The types of non-asbestos hazards which may be associated with surveys include (but is not limited to):-

- working at heights, in ceiling voids or on a fragile roof;
- working on operable machinery or plant;
- working in confined spaces;
- chemical hazards;
- electrical hazards;
- biological hazards;
- noise hazards; and
- lone working.

PCS recognises that sites may also have their own specific hazards such as hospitals and nuclear plant where a more detailed risk assessment will be required.

A site specific risk assessment will be completed by the PCS Surveyor prior to commencing work on site (A copy of the risk assessment is included in Appendix 1). The assessment will establish all the hazards at the particular premises and go on to identify the correct precautions and procedures in a plan of work for the survey. The assessment will also cover the asbestos issues, to:-

- prevent the disturbance of the ACM's as far as possible
- prevent to the spread of ACM's
- identify safe work procedures
- confirm the PPE to be used

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- confirm the decontamination and disposal arrangements

The risk assessment will also document who provided the site induction, emergency evacuation procedures and the emergency contact name and number whist the PCS surveyor is working on site (if applicable, dependant on the type of site).

Safe work procedures and lone working:-

A team of two surveyors will be utilised for the survey where identified as required by the risk assessment. Team working will also be used to allow field training of new surveyors to be carried out in a supervised practical environment and reduces the risk of not identifying ACM's.

Anybody who works alone is classed as a lone worker, PCS Asbestos Consultants have the same responsibilities for a loner worker's health and safety as for any other employee. The company may, however, need to take extra precautions to ensure that lone workers are at no greater risk than other employees.

The company has the following responsibilities for lone workers:-

- To ensure lone workers have no medical conditions which may make them unsuitable for the lone-working role they have been assigned
- To be aware that some tasks may be too difficult or dangerous to be carried out by a lone worker
- To provide some level of supervision
- To put in place contact procedures for emergencies so that the alarm can be raised and prompt medical attention provided if there is an accident.

Lone workers should not be put at any more risk than other employees. In order to achieve this, extra risk control measures may be necessary. Precautions should take account of normal work and foreseeable emergencies, e.g. fire, equipment failure, illness and accidents.

The company will identify situations where employees work alone and carry out the following risk assessment prior to completing the employee's site instruction:-

- Does the workplace present a special risk to the lone worker?
- Is there a safe way in and out for one person?
- Can any necessary temporary access equipment, such as portable ladders or trestles, be safely handled by one person?
- Is there a risk of violence?
- Are there any other reasons why the individual may be more vulnerable than others?

Lone workers will be sufficiently experienced and fully understand the risk and precautions associated with lone working. The lone worker should be capable of responding correctly to emergencies and risk assessment should identify foreseeable events.

The company will put in place the following procedures to monitor lone workers to help keep them healthy and safe. These may include:-

- Line Managers/Auditors periodically visiting and observing people working alone;
- Regular contact between the lone worker and supervisor, using mobile phones
- Checks to ensure a lone worker has returned to their base or home once their project task is completed.

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Personal protective equipment:-

Disposable coveralls, overshoes and gloves should be worn when there is likelihood of asbestos contaminating the surveyor's clothing and during bulk sampling. Coveralls will not be re-used.

For dirty or contaminated sites, Wellington boots will be required, and these will be wiped or washed clean if they become contaminated. They should also be cleaned after sampling is completed. For some sites, more stringent decontamination procedures may be needed.

Appropriate RPE will be worn during sampling or when surveying areas where the asbestos is likely to be disturbed during the inspection (e.g. crawl tunnels and above false ceilings). It is standard policy for all PCS Surveyors to be issued with a face fitted half mask, if a higher level of protection is required then they will be require to contact the Technical Manager immediately.

Decontamination and disposal arrangements:-

If the surveyor is required to enter areas where there is significant contamination (e.g. thermal insulation in crawl tunnels, spray insulation in ceiling voids), there is a greater potential for contamination of clothing and footwear. The risk assessment will take these conditions into account, as additional safety precautions and decontamination procedures will be needed. It may involve a higher standard of personal protection (e.g. powered full-facepiece respirator fitted with a P3 filter) and more comprehensive decontamination procedures (e.g. use of a decontamination unit). Where entry into these locations is necessary, a more detailed risk assessment will be prepared in conjunction with the PCS Technical Manager, therefore all site activities will be halted until this risk assessment and necessary decontamination arrangements have been procured.

4.0 Carrying out the survey, what to assess and record:-

4.1 General

A walk-through inspection will be undertaken by the PCS Asbestos Consultants survey prior to the survey commencing as this will enable the surveyor (s) to become familiar with the layout of the premises and gather information with regards to hazards and risks.

The survey will be carried out by the PCS Surveyor methodically, systematically and diligently to make sure all areas of the premises are accessed and all ACM's identified in accordance with the scope of the survey.

The building plans (where available) will be inspected by the surveyor to ensure that all building features and services (e.g. voids, cavities, risers, ducting and undercrofts) are included within the survey. If building plans are not available, the PCS surveyor will:-

- Surveyor to make accurate sketch of the building to an approximate scale on the Site Sketch Form.

The building plans and/or surveyors site sketch will be annotated as follows:-

- Surveyor to draw location of sampled and presumed items onto the diagram i.e. Extent of beams, pipework, floor tiles, ceiling tiles etc ; accurate location of sink pads, window sills, fuse boxes etc

  (Exceptions – in large plant and boiler rooms, it may not be practicable to map all pipe work and the entire room or area will be colour coded according to the type of material identified.)

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Each survey area will be surveyed with due care to avoid missing any ACM's. The PCS surveyor will be inquisitive and use initiative and will follow a systematic survey inspection as detailed below:-

External areas:-

- Working downwards from high to low
- Work from the periphery inwards

Internal areas:-

- Work upwards from basement to roof
- Inspect each area individually
- Work around each area clockwise from the door of entry
- Inspect each component inside each compartment in the following order: - ceiling, walls, floors, fixtures and fittings, equipment and services. Each item will be inspected individually.

The PCS Surveyor whilst on site will complete the room access paperwork and will give each area of the building including roof and externals a unique room identifier. The surveyor will:-

- Check and inspect everything.
- Sample and take photographs as the building is surveyed. Photographs of each sample point or presumed ACM will be taken, as well as a general view of each room or area
- re-check areas which are complex or have many items.
- undertake a final walk-through, checking notes against plans.
- Take a front elevation photograph of the building

The three types of survey undertaken by the company will require different information collecting as part of the survey process, the management survey requires that the condition of the ACM's and their ability to release fibres is assessed whereas refurbishment and demolition surveys normally require less information as details of the ACM condition are not required.

The following information will be Collected by PCS for Management, Refurbishment and Demolition surveys:-

Management Survey	Refurbishment or Demolition Survey
Asbestos product type(s). Location of the material(s). Extent (or quantity) of the material(s). Asbestos type(s). Accessibility and/or vulnerability of the material(s). Amount of damage or deterioration. Surface treatment (if any).	Asbestos product type(s). Location of the material(s). Extent (or quantity) of the material(s). Asbestos type(s). * Where the refurbishment or demolition work will not take place for a significant period after the survey (e.g. three months), then the information required for a management survey should be obtained

4.2 Presumed ACM's:-

If a sample is not taken by the PCS Asbestos surveyor to confirm or refute his/her judgement that the suspect material may contain asbestos, a presumption will be made whether the material is asbestos or non-asbestos. The surveyor will visually assess the edges and any damaged areas of suspect materials and record the following:

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- Whether visible fibres are present on close inspection
- The colour of the fibres, if visible; and
- Whether the fibres are visually consistent with asbestos
- Where the surveyor is not convinced that there is adequate evidence to conclude that the material is asbestos free (e.g. plaster, plasterboard, wood etc), a presumption or strong presumption should be made that it is an ACM.

4.3 Asbestos Type:-

The PCS surveyor will identify the product type of the asbestos containing materials as this will be required for the material assessment. This identification will be made based on the buildings age and use.

4.4 Bulk Sampling Strategy:-

Sampling will normally be conducted at the time of the survey. However where this is not possible due to the size or occupation of the property then the sampling will be carried out as a separate exercise.

Each room or area in the premises will have a through visual inspection to identify the materials and locations to be selected for sampling. The visual inspection will be conducted systematically and the materials should be inspected for apparent differences and variation in appearance.

Samples will be taken of about 3-5cm^2 surface area and through the entire depth of the ACM (including any backing paper) where applicable with the aim of collecting one or more sample which are representative of the whole material. Sampling will not be carried out where there is an electrical; hazard or where the sampling would damage the integrity of a roof, gutter or pipe**.**

4.5 Equipment:-

The PCS Asbestos Surveyor will conduct the survey and take samples utilising the following equipment:-

Survey equipment:-

- Site plan.
- Site Paperwork which may include:- Project form including survey planning, risk assessment, notes sheet, maps, aerial photos, Inspection worksheets, Asbestos survey site sketch sheets (or drawings provided by client) , Photo record sheets & previous asbestos information (where applicable)
- Ladder
- Camera (digital) with flash and with a date and number facility.
- Torch.
- Screwdrivers.

PPE for sampling:-

- Disposable overalls (hooded).
- Disposable overshoes or Wellington boots.
- Disposable gloves.

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Bulk sampling equipment:-

- Pliers.
- Screwdrivers.
- Core samplers or cork borers.
- Aluminium foil or cloth tape.
- Stanley knife with spare blades
- Hand-spray with diluted PVA or surfactant.
- Sample bags (polythene self-seal bags).
- Sample point labels.
- Type H vacuum.
- Asbestos waste bags of the approved type.
- Warning signs: 'Asbestos sampling: Keep clear'.
- Wet wipes and tissues.
- Polythene sheeting.
- RPE required as per the surveyors risk assessment

4.6 Bulk Sampling Strategy:-

The sampling strategy will be based on several factors, including the size and numbers of premises/rooms and the extent, types and variation in materials present. The visual inspection and checking (e.g. tapping and prodding) of each material will allow the sample numbers and locations to be specified. In general, for homogeneous manufactured products containing asbestos, it can be assumed that the asbestos is uniformly distributed throughout the material, and one or two samples will suffice, e.g. boards, sheets, cement products, textiles, ropes, friction products, plastics and vinyl's, mastics, sealant, bitumen roofing felt and gaskets.

Insulation materials are generally less homogeneous as they were applied on site and their composition dependant on the availability of supply. Subsequent repairs and patching may add to this variability and increase the number of samples required. Repaired and replaced materials should always be sampled in addition to the original items.

All bulk sampling will be undertaken in accordance with the site risk assessment completed by the surveyor prior to commencing the inspection. The work will be undertaken so as to minimise disruption to the PCS clients operations and must protect the health and safety of everyone at risk.

Sampling personnel will wear adequate RPE/PPE. Where a half mask is to be worn on site for more than 1 hours duration, a 10 minute break will be taken for each hours wear on the same working day. Airborne emissions should normally be controlled by pre-wetting the material to be sampled, with water and/or a suitable wetting agent. This may involve spraying the surface (e.g. boards and sheets) or injecting (e.g. lagging and sprays).

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Shadow vacuuming with a class H vacuum cleaner will be used if wetting is likely to be incomplete or if it is not safe to wet the material. The areas to be sampled inside buildings will be as far as possible unoccupied. Sampling will not be undertaken in occupied areas, but if in constant use, periods of minimal occupation will be chosen.

The nature of the area, the likely release of dust will dictate the precautions required to prevent the spread of asbestos. Entry to the area by other people during bulk sampling will be restricted or suitable warnings posted (e.g. a notice with wording such as 'Asbestos sampling in progress: Keep out'.

Surfaces onto which asbestos debris may fall should be protected with a sheet of polythene which can be easily cleaned by wet-wiping or using a suitable class H vacuum cleaner. Where sampling is undertaken from a folding sectional ladder positioned in a step ladder position, the side of the ladder not utilised by the surveyor should be protected with polythene to prevent debris becoming trapped within the ladder construction, after use the plastic can be easily cleaned by wet wiping or using a suitable class h vacuum cleaner. All bulk sampling equipment will be thoroughly cleaned after each use by wet-wiping (special care should be taken with the Stanley knife to ensure that it is dismantled and cleaned internally after each use)

All samples collected will be individually sealed in their own sealed polythene bag which is then sealed in a second polythene bag.

The sample area will be left clean with no evidence of debris from the sampling operation and any sampling points sealed to prevent the release of fibres. PCS will use a method appropriate to the material type and decorative finish to reseal the sample point.

Product Type	Sampling Frequency	Sampling Method
Sprayed coatings, encapsulated sprays and bulk materials	These are usually, but not always, homogeneous (under any Encapsulate). Different mixtures may have been used and material may have been removed, repaired or patched at various times. Where the material appears uniform and consistent, two samples should usually be enough, if taken at either end of the sprayed surface. If the installation is particularly large (e.g. >100 m2), one sample should be taken Approximately every 25–30 m2. Samples should be taken from all patches of repairs or alterations.	If the coating is encapsulated, it can be pre-injected with liquid around the sampling area then carefully cut with a sharp knife or scalpel to lift a small flap to retrieve a sample. If the spray coating is not covered, both wetting (spraying surface and injection) and shadow vacuuming may be necessary to reduce airborne emissions. As spray coatings are generally homogeneous, a surface sample should suffice.
Pipe/thermal insulations	Pipe insulation is often highly variable in composition, especially where there is a change in colour, size and texture or there is evidence of repairs or modifications, e.g. asbestos may have been stripped from long runs of pipes but have been left around pipe elbows, taps and valves. In general one sample should be taken per 3 m run of pipe with particular attention paid to different layers and functional items (valves etc). For long runs of pipes (e.g. >20 m), one sample per 6 m will usually be enough. It can be difficult to demonstrate that individual pipes are asbestos free so all pipes should be sampled even when they appear similar. Samples should be taken from all patches of repairs or alterations.	The area to be sampled should be fully wetted first: injection techniques are recommended. Samples are taken with a core sampler which should penetrate to the full depth of the pipe insulation. A core sampling tube is used in which the sample is retained. The core tube can be withdrawn through a wet wipe and then capped at both ends and placed in a bag until it reaches the laboratory. Chicken wire was often included within pipe insulation. This may hamper sampling, and a thin core sample may need to be taken. Where there is pipe insulation which is obviously new and non-asbestos, the possibility of debris from an earlier asbestos strip beneath the new insulation should be investigated.
Insulating Board	Insulating board is usually homogeneous but repairs and replacement boards and tiles may have been fitted. Boards and tiles may also have been painted. One sample per room or every 25 m2 is usually adequate. Ceilings and walls should be thoroughly inspected to check for variation and differences. Many premises have had individual or groups of AIB tiles replaced as part of improvement programmes. If there is evidently more than one type of tile (e.g. based on colour, pattern, design, size etc) then representative samples of each should be taken. Larger installations completed at the same time may require only a few tile samples to be taken. Some replacement tiles may look the same. Inspection of the hidden side of the board or tile may, where access permits, reveal the trade name of the	Materials such as ceiling tiles or wall panels should be inspected for areas of existing damage, where a sample can be collected more easily. Otherwise, a small sample should be taken from a discrete location at the corner or edge of the panel, with a sharp knife or chisel blade to lever off a sample. Make sure that any paper, on one or both sides, is included.

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	materials and/ or differences in colour which indicate variations in the material. Insulating board or tiles may occasionally have been manufactured with asbestos paper on one or both sides.	
Asbestos cement materials	These are homogeneous materials which are commonly encountered as corrugated and flat sheets or as various moulded products. Asbestos cement (AC) was also widely used in low-cost housing as wall and ceiling panels and in schools in fume cabinets and kick boards. It was also mistakenly used as fireproofing and therefore is found in places where AIB is expected, as well as on office partition walls. It does not always look like AC in these situations. In older buildings, most pre-formed exterior cement sheets can be strongly presumed to be asbestos, and only limited sampling is needed to confirm the presumption. The risk from falls through asbestos cement roofs usually means that sampling is restricted. If sampling is required, one sample of each type of sheet or product (e.g. gutters, downpipes etc) should be taken. Repeated sampling is not usually necessary unless areas of replaced sheets are found. Asbestos cement sheets are visually very similar to their non-asbestos (fibre cement) replacement. Fibre-cement replacement sheets are identifiable by a code 'NT' placed near the edge of the sheet, where they overlap. Some 'newer' asbestos sheets have the code 'AT' in a similar position.	Asbestos cement can usually be identified by visual inspection. Where sampling is necessary (eg to distinguish between AC and AIB), look for a damaged portion where it will be easier to remove a small sample (AC is usually very hard). The sample size should be about 5 cm2 as it will be necessary to search for traces of amphibole asbestos such as crocidolite and amosite. The sample should be obtained using pliers or a screwdriver blade to remove a small section from an edge or corner. If the analysis is still inconclusive (e.g. chrysotile and amosite are detected), then the definitive water absorption test should be conducted (the material will be classed as AC if it absorbs <30% water)(see *Work with materials containing asbestos*).
Debris and contamination	Where there are distinct types of materials, then one or two samples from each separate source will usually be adequate. Two samples are recommended if there are more than a few square metres of material.	Samples should be obtained by carefully scraping the debris or contamination with a screwdriver or narrow scraper, directing the material into a sample bag next to the sampling point.
Gaskets, rope, seals, paper, felts and textiles	Where there are distinct types of materials, then one or two samples from each separate source will usually be adequate. Two samples are recommended if there are more than a few square metres of material.	Samples can be taken using a sharp knife to cut a representative portion from the material.
Floor and wall coverings	Where there are distinct types of materials, then one or two samples from each separate source will usually be adequate. Two samples are recommended if there are more than a few square metres of material.	Samples should be cut out with a sharp knife, usually taking one sample from tile of each type or colour present. The area should be cleaned after sampling but the fibre release is likely to be very low, unless the asbestos is present as a lining or backing material.
Textured Coatings	Where there are distinct types of materials, then one or two samples from each separate source will usually be adequate. Two samples are recommended if there are more than a few square metres of material.	Samples should be obtained by carefully scraping the coating with a screwdriver or narrow scraper, directing the material into the sample bag held below the sampling point.

4.7 Sample and Site Labelling:-

The sample collected will be labelled with a unique identifier (PCS Project Number/Sample Number) and Material Type which will also be recorded in the survey documentation. The inner and outer sample bag will be labelled with the following information: - PCS, Project number/Sample No/Date/Material Description/Surveyors Initials. The sampling position will also be labelled with the PCS sampling sticker (or client specific label – where applicable)in a discreet and suitable location for future identification. Labelling will always be undertaken in accordance with the clients brief.

Photographs will be taken by the surveyor of each sample location, where a sample is not taken within a room or area a representative view will be taken of the room/area. The photograph number (camera picture number) should be recorded on the Inspection Worksheet, and the memory card referenced with the PCS Project Number which should be returned to the PCS office with the project paperwork.

4.8 Survey Paperwork:-

The PCS Surveyor whilst on site completes bespoke site paperwork to capture all the information as required under HSG 264, Second Edition. The following site paperwork is completed by the PCS Surveyor.

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- Inspection Worksheet

  This form will be completed on site and used to record the following information:-

  - Location ID – a unique identifier is recorded for each sample or presumed asbestos containing material, where these are not present within the room or area, a location ID is recorded for the room/area.
  - Floor Level – Basement, Ground, First, Mezzanine, External etc
  - Location/Room Ref – the name / use of the area
  - Accessed - whether the area has been accessed (Y=Yes, N=No & P = Part accessed)
  - Product Type- The type of asbestos product (Paragraph 4.10)
  - Extent of Damage – The condition of the material (Paragraph 4.10)
  - Surface Treatment – The treatment of the material (Paragraph 4.10)
  - Accessibility
  - Sample No - unique reference for the sample taken, PCS Project No/Sample No.
  - Sampled or presumed – where a sample was taken of the suspect material or whether is was presumed to contain asbestos
  - Extent – the amount and measurement unit of the material
  - Surveyors comments – commentary about the sample and room/area
  - Survey Type - the inspection type undertaken within the room /area (Management / Refurbishment /Demolition Survey
  - Photo No – the number of the photograph taken of the sample or room/area

- Site Sketch/Building Plans

  A sketch will be drawn of the building or building plans provided by the client annotated with the information required for the asbestos survey. The sketch/plans will be annotated by the surveyor to confirm the location within the building for each location ID as well the location and extent of any sample suspected asbestos containing materials.

4.9 Class H Vacuum:-

The Class H Vacuum will be subject to a visual inspection by the PCS Surveyor prior to each use to include looking for signs of physical damage or overheating and covering:- (1) electrical plugs, (2) Cables, (3) Switches, (4) Handles, (5)Hoses, (6) Outer case, casters and handles (including seals). In addition, the low flow indicator will be tested by switching the vacuum on and obstructing the air inlet.

The exterior surfaces of the class H vacuum will be cleaned after each use by the PCS surveyor wearing suitable PPE. The cleaning process will cover (1) Outer case, switches, clasps, casters and handles with a wet wipe (2) Hose cleaned using a wet wipe (the ends of the hose should be sealed and the hose should remain connected to the main

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unit) (3) the equipment should be suitably labelled and sealed in double bag, with the outside of the bag cleaned with a wet wipe.

4.10 Material Assessment Algorithm:-

A management survey will include an assessment of the conditions of the ACM's and their ability to release fibres. This assessment allows the 'Dutyholder' to assess the potential for fibre release for each ACM and then go on to prioritise the need for action as part of the plan for managing asbestos.

In the material assessment process, the main factors influencing fibre release are given a score which can then be added together to obtain a material assessment rating. The four main parameters which determine the amount of fibre released from an ACM when subject to disturbance are:

- product type;
- extent of damage or deterioration;
- surface treatment; and
- asbestos type.

The standardised assessment tool below suitable for a management survey is based on a simple additive algorithm:-

Sample Variable	Score	Example of scores
Product type (or debris from product	1	Asbestos-reinforced composites (plastics, resins, mastics, roofing felts, vinyl floor tiles, semirigid paints or decorative finishes, asbestos cement etc).
	2	AIB, millboards, other low-density insulation boards, asbestos textiles, gaskets, ropes and woven textiles, asbestos paper and felt.
	3	Thermal insulation (e.g. pipe and boiler lagging), sprayed asbestos, loose asbestos, asbestos mattresses and packing.
Extent of damage/deterioration	0	Good condition: no visible damage
	1	Low damage: a few scratches or surface marks, broken edges on boards, tiles etc.
	2	Medium damage: significant breakage of materials or several small areas where material has been damaged revealing loose asbestos fibres.
	3	High damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.
Surface treatment	0	Composite materials containing asbestos: reinforced plastics, resins, vinyl tiles.
	1	Enclosed sprays and lagging, AIB (with exposed face painted or encapsulated) asbestos cement sheets etc.
	2	Unsealed AIB, or encapsulated lagging and sprays.
	3	Unsealed lagging and sprays.
Asbestos type	1	Chrysotile.
	2	Amphibole asbestos excluding crocidolite.

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	3	Crocidolite.

Score	Potential to release asbestos fibres
10 or more	High
7-9	Medium
5-6	Low
4 or less	Very Low
Non-asbestos materials have no potential to release fibres	

4.11 Asbestos Management Reviews and Priority Assessment-

4.11.1 Asbestos Management Reviews (AMR) will be undertaken on client's sites to re-assess the identified ACM's material assessment score (s) and propose on behalf of the 'Duty Holder' a management action to manage the risk posed by the ACM to the occupants of the building who may be employees or visitors. The AMR will be undertaken at periods as defined by the 'Duty Holder' but likely to be at approximately 12 month intervals. The process following whilst conducting an AMR will be as follows:-

- Complete the information about the property on the project form
- Take a new front elevation photograph
- Update the survey results section with a new photograph for each room, negative and/or positive samples
- Clearly annotate the site sketch with the location and extent of all ACM's, draw a separate sketch where ACM's are located on the roof of the building
- Propose a management action for each ACM
- Review with the 'Duty Holder' and ask for a signature at the front of the document
- Issue an updated survey report to the 'Duty Holder'

4.11.2 The material assessment identifies the 'high risk' materials, i.e. those materials which will most readily release airborne fibres if disturbed. Priority must be determined by carry out a risk assessment (i.e. priority assessment) which will take into account factors such as:

- the location of the material;
- the extent of the material;
- the use to which the location is put;
- the occupation of the area;
- the activities carried out in the area; and
- the likelihood/frequency with which maintenance activities are likely to take place

The priority assessment will only be completed by PCS when completing a management plan in consultation the 'Duty holder', the assessment can only be undertaken with detailed knowledge of the property and it's use. Therefore if the undertaken by PCS, it must be carried out with assistance from the 'Dutyholder.' It is the 'Dutyholder', under CAR 2012, who is required to make the risk using their detailed knowledge of the activities carried out in the premises.

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The standardised assessment tool that will be used by PCS for calculating the priority assessment is detailed below:-

Assessment factor	Score	Examples of score variables
Normal occupant activity		
Main type of activity in area	0	Rare disturbance activity (e.g. little used store room)
	1	Low disturbance activities (e.g. office type activity)
	2	Periodic disturbance (e.g. industrial or vehicle activity) which may contact ACM's)
	3	High levels of disturbance (e.g fire door with asbestos insulating board in constant use)
Secondary activities for area	As above	As above
Likelihood of disturbance		
Location	0	Outdoors
	1	Large rooms or well-ventilated areas
	2	Rooms up to 100m2
	3	Confined spaces
Accessibility	0	Usually inaccessible or unlikely to be disturbed
	1	Occasionally likely to be disturbed
	2	Easily disturbed
	3	Routinely disturbed
Extent/amount	0	Small amounts or items (e.g. strings, gaskets)
	1	≤10m2 or ≤10m pipe run
	2	>10m2 to ≤50 m2 or >10m to ≤50m pipe run
	3	>50m2 or > 50 m pipe run
Human exposure potential		
Number of occupants	0	None
	1	1 to 3
	2	4 to 10
	3	>10
Frequency of use of area	0	Infrequent
	1	Monthly
	2	Weekly
	3	Daily
Average time area is in use	0	<1 hour
	1	>1 to <3 hours
	2	>3 to <6 hours
	3	>6 hours
Maintenance activity		
Type of maintenance activity	0	Minor disturbance (e.g possibility of contact when gaining access)
	1	Low disturbance (e.g. changing light bulbs in asbestos insulating board ceiling)
	2	Medium disturbance (e.g. lifting one or two asbestos insulating board ceiling tiles to access a valve)
	3	High levels of disturbance (e.g. removing a number of asbestos insulating board ceiling tiles to replace a valve or for re-cabling)
		ACM unlikely to be disturbed for maintenance
		≤ 1 per year
	0	>1 per year
	1	> 1 per month
	2	
	3	

The combined material and priority assessment results will be used to establish the priority for those ACM's requiring remedial action and the type of action that will be taken in consultation with the duty holder.

4.12 Survey Report:-

The survey report will be used as a record of the information collected at a particular time on the presence and condition of ACM's.

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The PCS survey report will be issued as an electronic document. The information in the survey report will be easy for the client to extract and to use to prepare an asbestos register. The PCS survey report contains the following sections:-

- Introduction and Executive Summary
- Site and Survey Information
- Survey Results
- Asbestos Management Plan
- Survey Diagrams produced with a drawing package (see Appendix 4)
- Bulk Sample Analysis Certificate

5.0 Refurbishment and Demolition Surveys

5.1 General

The purpose of a Refurbishment and /or Demolition Surveys is to identify all ACM's within a particular building area or within the whole premises. In many instances, access will be required into the fabric of the building and various items such as brickwork, timber, board and panels etc will have to be removed or broken into. In some situations, where concrete is to be sampled or brickwork removed, advice may have to be sought from a competent person, such as a structural engineer.

For refurbishment surveys, an authorised person will check the project instruction against the refurbishment specification and survey planning questionnaire provided by the client before the surveyor goes to site

5.2 Additional Information Recorded

The refurbishment and/or demolition survey will be undertaken utilising the same inspection methodology as detailed in section 4.0 above, however will record/inspect the following additional information:-

- Textured Coatings

The survey should identify the nature of the substrate and whether textured coating removal will be required.

- Areas to be examined

The areas of the property will be accessed in accordance with the project brief provided. In addition the ' No access' areas from previous survey and all no access areas from the previous surveys (if available) must be accessed with suitable access equipment and risk assessment.

- Suspended Ceilings

Suspended ceilings not previously accessed must be entered (if the ceiling tiles are AIB the access will be by the means of an enclosure and airlock system and will be therefore notifiable to the relevant enforcing authority.

The ceiling void may contain asbestos debris and other ACMs, therefore representative samples will be required of each suspect asbestos containing material

- Partition Walls

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Walls may not be uniform and may have undergone partial replacement. All sections of a partition wall will need to be examined, visual inspection will not be enough on its own – therefore an appropriate proportion of the sections should be examined.

- Cavity Walls

Wall cavities should be inspected with an endoscope to check for the presence of any asbestos containing materials. The entry points should be agreed by a competent person.

The walls should also be examined where any insulated pipes pass through brick or breeze block walls to check for insulation or residues in the cavity.

Apertures, Cavity closers, window frames and door frames should be checked for the presence of asbestos containing materials.

- Floors

Carpets and tiles must lifted, and access made beneath floor boards to examine the floor below. Sufficient floor boards should be lifted to allow access to representative access to the void.

Concrete floors are known to include AIB or AC as expansion joints or shuttering. These may only be found by drilling core samples into the concrete which will require specialist advice on the structural considerations. AC sleeves around pipes will need to be sampled where cables or pipes run through a slab floor.

- Ducts

Service risers (including ventilation shafts, ducting or trunking), including fire stops between the floors, if not investigated on the previous survey will need to be inspected.

- Cladding

All columns and stanchions should be checked for AIB or Sprayed Coating as they could have been originally provided with fire protection. External cladding of tiles or slates should also be inspected.

- Debris in Boiler Rooms

All surfaces within the boiler room /plant room or other locations whether pipes have previously been lagged with asbestos insulation should be inspected for insulation debris or residues.

- Debris underneath non-asbestos re-insulation

If the desk top study or on site conditions indicate that asbestos insulation has been stripped and replaced, a proportion of the new insulation must be removed to examine the extent of any asbestos residues on pipes, bolt heads or flanges.

- Roof voids

Where rockwool or vermiculite loft insulation is present in a roof void, the areas underneath it should be inspected following a risk assessment and the use of specialist access equipment.

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- Previously demolished areas

The desk-top study should be used to investigate whether any previous structures remain or may have released asbestos debris into the soil.

The site regardless of whether the desk-top study reveals demolished areas should be inspected visually to identify any associated surface asbestos debris.

- Overspray debris from sprayed coatings

If a sprayed asbestos coating is present or known to have been present at some time in the past, the area must be carefully inspected for the presence of debris and to establish the extent and location of the any overspray.

- Damp-proof course (DPC)

Any DPC with asbestos should have been detected in a previous survey, but should be sampled if not previously recorded.

6.0 Asbestos Remedial Works

6.1 General

Asbestos remedial works will include the removal, encapsulation and/or repair of ACM's on clients sites. All remedial works will be undertaken by contractors who are issued with licence to work with asbestos containing materials by the Health and Safety Executive. All licensed contractors will be employed and instructed directly by the PCS client, it is the PCS policy not to employ licensed asbestos removal contractors.

6.2 Contractor Selection

The licensed contractor (s) selected to price the works will be from either the clients approved list or the contractor list held and maintained by the company. The number of contractors asked to price the works will be dependant upon the clients procurement policy.

6.3 Process

Where the company is instructed to proceed with asbestos remedial works on behalf of the client, the following process will be followed:-

- Order placed by the client to the Licensed Asbestos Removal Contractor
- Project Organisation fee charged to the PCS client to cover the adminstration time involved with the adminstration of the project
- Attendance by PCS at a pre-start meeting to co-ordinate the stakeholders involved with the asbestos remedial works. Note, pre-start meetings will be not be required for all projects.
- Organisation and instruction of a UKAS analyst by PCS from the 'Approved Supplier list 'to undertake air monitoring during the project and issue the Certificate of Re-occupation/4 Stahe Clearance Certificate (if applicable dependant on the type of ACM to be removed)
- Update of the asbestos register by PCS upon completion of the works and issue of a 'Project Consultancy' report type with the updated register to include documentation provided by the UKAS analyst and licensed asbestos removal contractor.

7.0 Quality Assurance and Quality Control

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7.1 General

The three essential components of the PCS Asbestos Consultants Quality System are detailed below with regards to undertaking asbestos surveys in accordance with HSG 264, Second Edition.

A proportion (typically 5%) of surveys should be re-inspected. The sites selected will ensure that the sites selected:-

- Are representative of the surveys undertaken by the company
- Are representative of the different types of premises surveyed
- Cover all the surveyors employed by the company

The re-inspection will involve checking all aspects of the site work using the recorded data, samples and photographs to ensure:

- No ACM's or suspect ACM's were omitted from the recorded data
- All recorded ACM's and suspect ACM's were valid
- Where suspect ACM's have been presumed or strongly presumed, that the presumption of asbestos type is valid
- All identifiers for records, sample numbers and photographs correspond and are unique
- All areas inspected were correctly and unambiguously identified
- All material types for ACM's and suspect ACM's were correctly listed
- All recorded ACM's and suspect ACM's were correctly and uniquely located
- All quantities of materials and suspect ACM's were correctly assessed

The correct assessments have been made and recorded for:-

- Asbestos product type
- Surface treatment
- Damage
- Accessibility
- Adequate numbers and sizes of samples were collected, correctly labelled and individually double bagged
- Adequate cleaning has occurred after sampling and
- Sampling locations have been made good in the agreed manner and accordance with the plan of work

7.2 Audit of completed surveys:-

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An annual audit will be undertaken of the management system and procedures in place. This would normally be undertaken as desk top audit, however a full site re-survey may be required if anomalies are discovered. The audit will review the following:-

- Report format, structure and content
- raw data transposition into the report
- authorisation or approval of report checker, surveyor – their authorisations, training records and qualifications
- contract review – documented records of the clients instructions
- records and storage of raw data, site logs, as well as compiled reports

7.3 Survey reports:-

Each survey will be checked by an authorised person before issue to the client, to check the following:-

- The clients instructions for the survey and report have been followed
- All site notes agree with the final report
- No observed ACM's have been omitted
- All appendices (e.g. Certificates of analysis) are included as required
- All titles, reference numbers and descriptions are correct
- The assessment and recommendations for any remedial work are appropriate
- That the report summary is included and is a fair statement

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Appendix 1 - Risk Assessment

SITE RISK ASSESSMENT							
Site					Date	Project No	
	Hazard Checklist	Likelihood (see below for scoring)	Severity (see below for scoring)	Risk Rating = likelihood x severity	Control Measures (existing or put in place)	Reduced severity	Resultant Risk Rating = likelihood x reduced severity
1	Access / egress restricted or blocked						
2	Animals / insects						
3	Asbestos						
4	Compressed gas / air / LPG / bottled gas						
5	Confined spaces						
6	Derelict buildings / dangerous structures						
7	Falling objects						
8	Fire prevention						
9	Flammable materials / Explosives						
10	Hazardous substances - chemicals / fumes / battery acid etc						
11	Heat / cold						
12	Lifting equipment eg forklift						
13	Live electrical equipment / machinery proximity						
14	Lone working						
15	Noise						
16	Radiation sources / equipment						
17	Scaffolds / platforms / working at height						
18	Special needs children / elderly / disabled						
19	Vehicles / motorcycles / speed						
20	Ventilation						
21	Water / proximity to water						
22	Other (detail)						

WORKED EXAMPLE

3	Asbestos	1	4	1 x 4 = 4	RPE/PPE	2	1 x 2 = 2

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Appendix 1 - Risk Assessment (Continued)

Likelihood of an accident: 1=most unlikely, 2=unlikley, 3=likely, 4=most likely. **Severity of accident**: 1=trivial, 2=slight, 3=serious, 4=major injury		
Rating action bands:	1&2=minimal risk (No control measures required). 3&4=low risk (Review control measures). 6&8=medium risk (Improve control measures -SSW). 9,12 & 16=high risk (Improve control measures -Permit to Work)	
Site Induction	**Name of person providing induction**	
Emergency evacuation procedure (detail)		
Confirmation from other PCS staff that they have received a site induction and they are aware of any hazards identified in this risk assessment		
Signed **Print name**		**Signed** **Print name**
PCS Surveyor signature		**Date**

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Appendix 2 - Inspection Worksheet

Loc ID	Floor Level	Location / Room Ref	Accessed	Product Type	Extent of Damage	Surface Treatment	Access-ibility	Sample No	Sample Type	Extent	Surveyors Comments	Photo No	Survey Type	Analysis Result	Database Record ID
			Y		G	C	E		S				M		
			N		L	ESLAC	M		CR				R		
			P		M	UAELS	D		P				D		
					H	ULS									
			Y		G	C	E		S				M		
			N		L	ESLAC	M		CR				R		
			P		M	UAELS	D		P				D		
					H	ULS									
			Y		G	C	E		S				M		
			N		L	ESLAC	M		CR				R		
			P		M	UAELS	D		P				D		
					H	ULS									
			Y		G	C	E		S				M		
			N		L	ESLAC	M		CR				R		
			P		M	UAELS	D		P				D		
					H	ULS									
Loc (Location) ID is site unique number for each inspection	**B** = Basement, **G** =Ground, **1** =First, **M** = Mezzanine, **R** - Roof, **E** - External etc	Describe the use of the location/ room	**Y** =Yes, **N** =No, **P** =Part Accessed (include reasons for No or Part access)	**RF** - Roofing Felt, **VFT** - Vinyl Floor Tiles, **M** - Mastics, **SRP** - Semi-rigid paint, **AC** -Asbestos Cement, **IB** - Insulating Board, **GA** - Gasket, **R** - Rope, **WT** - Woven Textiles, **AP** - Asbestos Paper, **F** - Felt, **TI** - Thermal	**G** - Good Condition, **L** - Low Damage, **M** - Medium Damage **H** - High Damage	**C** - Composite Materials, **ESLAC** - Enclosed sprays &Lagging, AIB (painted or encap) asbestos cement sheets etc, **UAELS** - Unsealed AIB or encapsulated lagging and sprays **ULS** - Unsealed lagging and sprays	**E** =Easy, **M** - Medium **D** =Difficult	Record sampler ref:- Project No/ Sample No	**S** =Sampled, **CR** =Cross Referenced **P** =Presumed	Quantity and unit of measurement	Describe the suspect ACM or NSMS. Record the general construction of floors, walls, ceiling and any other comments with regard to access. Survey Type:- - M- Management, R- Refurbishment & D- Demolition	A photo number should be recorded for each location ID	**M** = Management, **R**= Refurbishment, **D**= Demolition	**Am** = Amosite, **Chr** = Chrysotile, **Croc** = Crocidolite, **Trem** - Tremolite, **Ant** - Anthophyllite & **Act** - Actinolite	For office use only

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Appendix 3 – Site Sketch Form

Asbestos Survey Site Sketch	PCS Asbestos Consultants	
Project No:	Diagram No : /	Date:
Building Name:	Floor Level:	

Scale – approximate for identification purpose only do not scale	North Point	Site Sketch_v5 06 07 12 Page 1 of 1
(3 Grid Squares)		

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Appendix 4 – Drawing format for Issued Report



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